Impact Area Groundwater Study Program

Final
J-3 Range Remedial Investigation/Feasibility Study

Camp Edwards
Joint Base Cape Cod
Cape Cod, Massachusetts

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TABLE OF CONTENTS

EXECUTIVE SUMMARY ES-1

1.0 INTRODUCTION 1-1
1.1 Purpose of Report 1-1
1.2 Report Organization 1-1

2.0 SITE BACKGROUND 2-1
2.1 Site Description 2-1
2.2 Site History 2-1
2.2.1 H Range (1935 to 1950s) 2-1
2.2.2 Hillside and Barrage Rocket Areas (1966 – 1970s) 2-2
2.2.3 DoD Contractor Test Range (1968 to 1997) 2-2
2.2.4 J-3 Range Features 2-2
2.2.4.1 Area 1 - Melt/Pour Area 2-3
2.2.4.2 Area 2 - Workshop Building, 20mm/30mm Firing Ranges and Burn Kettle/Conex Area 2-3
2.2.4.3 Area 3 - Artillery and Warhead Firing Range, Demolition Area and Explosive Storage Bunker Area 2-4
2.2.4.4 Area 4 - Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area 2-6
2.2.4.5 Area 5 - Hillside Study Area 2-7
2.2.4.6 Area 6 - Barrage Rocket Study Area 2-7
2.2.5 Decommissioning Activities 2-8
2.3 Environmental Setting 2-8
2.3.1 Geographic Setting 2-8
2.3.2 Cultural Setting 2-9
2.3.3 Ecological Setting 2-9
2.3.4 Climate 2-10
2.3.5 Geology 2-10
2.3.6 Hydrogeology 2-11

3.0 GROUNDWATER CHARACTERIZATION ACTIVITIES AND NATURE AND EXTENT OF CONTAMINATION 3-1
3.1 Groundwater Characterization Activities 3-1
3.1.1 Monitoring Well Installation and Sampling 3-1
3.2 Nature and Extent of Groundwater Contamination 3-1
3.2.1 RDX and Perchlorate 3-3
3.2.2 Other Compounds 3-6
3.2.3 Water Quality Parameters 3-7
3.2.4 Snake Pond Investigations 3-7

4.0 J-3 RANGE SOURCE CHARACTERIZATION 4-1
4.1 Source Characterization Activities 4-1
4.1.1 Soil Sampling 4-1
4.1.2 Geophysical Surveys and Investigations 4-3
4.2 Source Characterization Findings 4-5

TABLE OF CONTENTS – cont'd

4.2.1 Area 1 Melt/Pour Area 4-6
4.2.1.1 Area 1 Findings 4-7
4.2.1.2 Area 1 Source Characterization Conclusions 4-8
4.2.2 Area 2 - 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area 4-8
4.2.2.1 Area 2 Findings 4-9
4.2.2.2 Area 2 Geophysical Investigations/Findings 4-10
4.2.2.3 Area 2 BIP-Related Sampling 4-10
4.2.2.4 Area 2 Source Characterization Conclusions 4-11
4.2.3 Area 3 – Artillery Range, Demolition Area, Explosive Storage Bunker Area 4-11
4.2.3.1 Area 3 Findings 4-12
4.2.3.2 Area 3 Geophysical Investigation/Findings 4-17
4.2.3.3 Area 3 BIP-Related Sampling 4-19
4.2.3.4 Area 3 Source Characterization Conclusions 4-20
4.2.4 Area 4 – Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area 4-20
4.2.4.1 Area 4 Findings 4-21
4.2.4.2 Area 4 BIP-Related Sampling 4-22
4.2.5 Area 5 – Hillside Study Area 4-23
4.2.5.1 Area 5 Findings 4-23
4.2.5.2 Area 5 BIP-Related Sampling 4-24
4.2.5.3 Area 5 Source Characterization Conclusions 4-24
4.2.6 Area 6 – Barrage Rocket Study Area 4-25
4.2.6.1 Area 6 Findings 4-25
4.2.6.2 Area 6 Geophysical Investigations/Findings 4-26
4.2.6.3 Area 6 BIP Samples 4-27
4.2.6.4 Area 6 Characterization Conclusions 4-28

5.0 RESPONSE ACTIONS 5-1
5.1 Source Removal 5-1
5.2 J-3 Groundwater RRA System 5-2

6.0 CONCEPTUAL SITE MODEL 6-1
6.1 Source 6-1
6.2 Pathway 6-1
6.3 Receptors 6-2

7.0 RISK SCREENING 7-1
7.1 Introduction 7-1
7.2 Groundwater Evaluation 7-1
7.2.1 Explosives and Perchlorate 7-1
7.2.2 Metals and Inorganics 7-2
7.2.3 Pesticides and Herbicides 7-3
7.2.4 Polycyclic Aromatic Hydrocarbons (PAHs) 7-3
7.2.5 VOCs/SVOCs 7-4
7.2.6 Polychlorinated Biphenyls 7-4
7.2.7 Radionuclides 7-5

TABLE OF CONTENTS – cont'd

7.2.8 Summary of Site-Wide Groundwater Screening 7-5
7.3 Soil Screening....7-6
7.3.1 Area 1 - Melt/Pour Building....7-7
7.3.1.1 Explosives and Perchlorate....7-7
7.3.1.2 Metals and Inorganics....7-7
7.3.1.3 PAHs....7-8
7.3.1.4 Pesticides and Herbicides....7-8
7.3.1.5 VOCs and SVOCs....7-8
7.3.1.6 Radionuclides....7-8
7.3.2 Area 2 – 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area....7-9
7.3.2.1 Explosives and Perchlorate....7-9
7.3.2.2 Metals and Inorganics....7-10
7.3.2.3 PAHs....7-11
7.3.2.4 Pesticides and Herbicides....7-11
7.3.2.5 VOCs and SVOCs....7-12
7.3.2.6 Polychlorinated Biphenyls....7-13
7.3.3 Area 3 - Artillery Range, Demolition Area and Explosive Storage Bunker....7-13
7.3.3.1 Explosives and Perchlorate....7-13
7.3.3.2 Metals and Inorganics....7-14
7.3.3.3 PAHs....7-16
7.3.3.4 Pesticides and Herbicides....7-16
7.3.3.5 VOCs and SVOCs....7-17
7.3.3.6 Polychlorinated Biphenyls....7-18
7.3.3.7 Aliphatic and Aromatic Hydrocarbons....7-18
7.3.4 Area 4 - Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area....7-18
7.3.4.1 Explosives and Perchlorate....7-18
7.3.4.2 Metals and Inorganics....7-18
7.3.4.3 PAHs....7-19
7.3.4.4 Pesticides and Herbicides....7-19
7.3.4.5 VOCs and SVOCs....7-20
7.3.5 Area 5 - Hillside Study Area....7-20
7.3.5.1 Explosive Compounds and Perchlorate....7-20
7.3.5.2 Metals and Inorganics....7-21
7.3.5.3 PAHs....7-21
7.3.5.4 VOCs and SVOCs....7-22
7.3.6 Area 6 - Barrage Rocket Study Area....7-22
7.3.6.1 Explosives and Perchlorate....7-22
7.3.6.2 Metals and Inorganics....7-24
7.3.6.3 PAHs....7-24
7.3.6.4 Pesticides and Herbicides....7-25
7.3.6.5 VOCs and SVOCs....7-25
7.3.7 Soil Evaluation Summary....7-26

TABLE OF CONTENTS – cont'd

8.0 INVESTIGATION FINDINGS....8-1
8.1 Groundwater Contamination....8-1
8.2 Source Characterization....8-2

9.0 J-3 RANGE FEASIBILITY STUDY....9-1

10.0 DEVELOPMENT OF ALTERNATIVES....10-1
10.1 Response Action Objectives....10-1
10.2 Regulatory Considerations....10-1
10.3 Remedial Alternatives....10-1

11.0 DETAILED ANALYSIS OF ALTERNATIVES....11-1
11.1 Introduction....11-1
11.2 Criteria for Detailed Evaluation....11-1
11.3 Feasibility Study Groundwater Modeling....11-2
11.4 Detailed Analysis of Alternatives....11-3
11.4.1 Alternative 1 – No Further Action....11-4
11.4.2 Alternative 2 – Monitored Natural Attenuation and Land Use Controls....11-5
11.4.3 Alternative 3 – Focused Extraction with 3 wells Monitored Natural Attenuation and Land-Use Controls (Continued Operation of Current System)....11-7
11.4.4 Alternative 4 – Focused Extraction with 3 wells, Monitored Natural Attenuation and Land-Use Controls (Optimization of Current System)....11-10
11.4.5 Alternative 4A – Focused Extraction with Four Wells, Monitored Natural Attenuation and Land Use Controls....11-12
11.4.6 Alternative 5 – Focused Extraction with Six wells, Monitored Natural Attenuation and Land-Use Controls....11-13

12.0 COMPARISON OF ALTERNATIVES....12-1
12.1 Overall Protection of Human Health and the Environment....12-1
12.2 Compliance with Regulators....12-2
12.3 Long-Term Effectiveness and Permanence....12-2
12.4 Reduction of Toxicity, Mobility or Volume Through Treatment....12-2
12.5 Short-Term Effectiveness....12-2
12.6 Implementability....12-3
12.7 Cost....12-3
12.8 State Acceptance....12-3
12.9 Community Acceptance....12-3

13.0 REFERENCES....13-1

TABLE OF CONTENTS – cont'd

FIGURES

Figure 2-1 MMR J-3 Range Location Map
Figure 2-2 J-3 Range Soil Study Areas
Figure 2-3 J-3 Range Groundwater Study Area
Figure 2-4 J-3 Range Aerial Photograph 1955
Figure 2-5 J-3 Range Aerial Photograph 1966
Figure 2-6 J-3 Range Aerial Photograph 1977
Figure 2-7 J-3 Range Aerial Photograph 1986
Figure 2-8 J-3 Range Aerial Photograph 2002
Figure 2-9 J-3 Range Area 1 Melt/Pour Area
Figure 2-10 J-3 Range Melt/Pour Building
Figure 2-11 J-3 Range Area 2 20mm/30mm Ranges and Workshop Building, Burn/Kettle Conex Area
Figure 2-12 J-3 Range Area 3 Artillery Range, Demolition Area and Explosive Storage Bunker
Figure 2-13 J-3 Range Area 4 Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area
Figure 2-14 J-3 Range Area 5 Hillside Study Area
Figure 2-15 J-3 Range Area 6 Barrage Rocket Study Area
Figure 2-16 J-3 Groundwater Potentiometric Map for July 16, 2013
Figure 3-1 J-3 Range Environmental Monitoring Perchlorate and RDX Networks
Figure 3-2 J-3 Range Environmental Monitoring RDX Network
Figure 3-3 J-3 Site Plume Cross Section A-A' Illustrating Perchlorate Distributions and Geology Jan 2014
Figure 3-4 J-3 Site Plume Cross Section B-B' Illustrating Perchlorate Distributions and Geology Jan 2014
Figure 3-5 J-3 Range Environmental Monitoring Perchlorate Network
Figure 3-6 J-3 Site Plume Cross Section A-A' Illustrating Perchlorate Distributions and Geology Jan 2014
Figure 3-7 J-3 Site Plume Cross Section B-B' Illustrating Perchlorate Distributions and Geology Jan 2014
Figure 3-8 Diffusion and Drive Point Sampling Locations
Figure 3-9 Snake Pond Surface Water Sample Locations
Figure 4-1 J-3 Range Soil/Geophysical RI Study Areas
Figure 4-2 J-3 Range Area 1 Melt/Pour Area Characterization Summary
Figure 4-3 J-3 Range Area 1 Melt/Pour Area Excavated Areas
Figure 4-4 J-3 Range Area 1 Melt/Pour Area Existing Conditions Summary

TABLE OF CONTENTS – cont'd

Figure 4-5 J-3 Range Area 2 20mm/30mm Ranges and Workshop Building, Burn Kettle/Conex Area Characterization Summary
Figure 4-6 J-3 Range Area 2 20mm/30mm Ranges and Workshop Building, Burn Kettle/Conex Area Existing Conditions Summary
Figure 4-7 J-3 Range Area 3 Artillery Range, Demolition Area and Explosive Storage Bunker Characterization Summary
Figure 4-8 J-3 Range Area 3 Artillery Range, Demolition Area and Explosive Storage Bunker Existing Conditions Summary
Figure 4-9 J-3 Range Area 4 Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed 550 Berm Area Characterization Summary
Figure 4-10 J-3 Range Area 4 Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed 550 Berm Area Existing Conditions Summary
Figure 4-11 J-3 Range Area 5 Hillside Study Area Characterization Summary
Figure 4-12 J-3 Range Area 5 Hillside Study Area, Existing Conditions Summary
Figure 4-13 J-3 Range Area 6 Barrage Rocket Study Area Characterization Summary
Figure 4-14 J-3 Range Area 6 Barrage Rocket Study Area Existing Conditions Summary
Figure 5-1 Southeast Range Area RDX Data as of 2/14/2003
Figure 5-2 Southeast Range Area Perchlorate Database Close 2/14/03
Figure 6-1 J-3 Range Groundwater Conceptual Model
Figure 10-1 Alternative 3 Groundwater Extraction Scenario
Figure 10-2 Alternative 4 Groundwater Extraction Scenario
Figure 10-3 Alternative 4A Groundwater Extraction Scenario
Figure 10-4 Alternative 5 Groundwater Extraction Scenario
Figure 11-1 Alternative 3 Capture of Source Area Contamination
Figure 11-2 Alternative 3 Predicted Extracted Perchlorate Concentrations and Mass
Figure 11-3 Alternative 3 Predicted Perchlorate Plume Volume to 2 ppb Contour
Figure 11-4 Alternative 3 Predicted Extracted RDX Concentrations and Mass
Figure 11-5 Alternative 3 Predicted RDX Plume Volume to 0.6 ppb Contour
Figure 11-6 Alternative 4 Capture of Source Area Contamination
Figure 11-7 Alternative 4 Predicted Extracted Perchlorate Concentrations and Mass
Figure 11-8 Alternative 4 Predicted Perchlorate Plume Volume to 2 ppb Contour
Figure 11-9 Alternative 4 Predicted Extracted RDX Concentrations and Mass
Figure 11-10 Alternative 4 Predicted RDX Plume Volume to 0.6 ppb Contour
Figure 11-11 Alternative 4A Capture of Source Area Contamination
Figure 11-12 Alternative 4A Predicted Extracted Perchlorate Concentrations and Mass
Figure 11-13 Alternative 4A Predicted Perchlorate Plume Volume to 2 ppb Contour

TABLE OF CONTENTS – cont'd

Figure 11-14 Alternative 4A Predicted Extracted RDX Concentrations and Mass
Figure 11-15 Alternative 4A Predicted RDX Plume Volume to 0.6 ppb Contour
Figure 11-16 Alternative 5 Capture of Source Area Contamination
Figure 11-17 Alternative 5 Predicted Extracted Perchlorate Concentrations and Mass
Figure 11-18 Alternative 5 Predicted Perchlorate Plume Volume to 2 ppb Contour
Figure 11-19 Alternative 5 Predicted Extracted RDX Concentrations and Mass
Figure 11-20 Alternative 5 Predicted RDX Plume Volume to 0.6 ppb Contour

TABLES

Table 3-1 J-3 Range Groundwater Location List
Table 3-2 J-3 Range Groundwater Perchlorate Detections Greater than 2 µg/L
Table 3-3 J-3 Range Groundwater RDX Detections Greater than 0.6 µg/L
Table 3-4 J-3 Range Snake Pond Surface Water Samples Explosives and Perchlorate Results Summary
Table 4-1 Summary of Soil/Intrusive Investigations and Removal Actions
Table 4-2 J-3 Range Area 1 Melt/Pour, Sample Identification and Analysis
Table 4-3 J-3 Range Area 1 Melt/Pour, Excavated Soil – Detected Sample Summary
Table 4-4 J-3 Range Area 1 Melt/Pour, Current Conditions – Detected Sample Summary
Table 4-5 J-3 Range Area 2 20mm/30mm Firing Range and Workshop Building, Burn Kettle/Conex Area, Sample Identification and Analysis
Table 4-6A J-3 Range Area 2 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions – Detected Sample Summary
Table 4-6B J-3 Range Area 2 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Excavated Soil – Detected Sample Summary
Table 4-7 J-3 Range Area 3 Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis
Table 4-8 J-3 Range Area 3 Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil – Detected Sample Summary
Table 4-9 J-3 Range Area 3 Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions – Detected Sample Summary
Table 4-10 J-3 Range Area 4 Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Sample Identification and Analysis
Table 4-11 J-3 Range Area 4 Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Excavated Soil – Detected Sample Summary

TABLE OF CONTENTS – cont'd

Table 4-12 J-3 Range Area 4 Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions – Detected Sample Summary

Table 4-13 J-3 Range Area 5 Hillside Impact Area, Sample Identification and Analysis

Table 4-14 J-3 Range Area 5 Hillside Impact Area, Excavated Soil – Detected Sample Summary

Table 4-15 J-3 Range Area 5 Hillside Study Area, Current Conditions – Detected Sample Summary

Table 4-16 J-3 Range Area 6 Barrage Rocket Study Area, Sample Identification and Analysis

Table 4-17A J-3 Range Area 6 Barrage Rocket Study Area, Current Conditions – Detected Sample Summary

Table 4-17B J-3 Range Area 6 Barrage Rocket Study Area, Excavated Soil – Detected Sample Summary

Table 7-1 Comparison of Site-Wide Maximum Detected Concentrations in Groundwater to Screening Levels, J-3 Range

Table 7-2 Comparison of Maximum Concentrations in Soil to Screening Levels, J-3 Range Area 1 – Melt/Pour Area

Table 7-3 Comparison of Maximum Concentrations in Soil to Screening Levels, J-3 Range Area 2 – 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area

Table 7-4 Comparison of Maximum Concentrations in Soil to Screening Levels, J-3 Range Area 3 – Artillery Range, Demolition Area and Explosive Storage Bunker

Table 7-5 Comparison of Maximum Concentrations in Soil to Screening Levels, J-3 Range Area 4 – Ordnance Assembly/X-Ray Building, Environmental Test Building, Gauntlet Area, Presumed M550 Berm Area

Table 7-6 Comparison of Maximum Concentrations in Soil to Screening Levels, J-3 Range Area 5 – Hillside Study Area

Table 7-7 Comparison of Maximum Concentrations in Soil to Screening Levels, J-3 Range Area 6 – Barrage Rocket Study Area

Table 10-1 J-3 Range Remedial Investigation/Feasibility Study Summary of Regulatory Considerations

Table 11-1 Summary of Proposed J-3 Range Perchlorate / RDX Wellfield Alternatives

TABLE OF CONTENTS – cont'd

ANIMATIONS (included on CD only)

APPENDICES (included on CD unless noted otherwise)

Appendix A Groundwater Sample Summary
Appendix B Monitoring Well Sample Analytical Data
Appendix C Water Quality Parameters
Appendix D Soil Analytical Data
Appendix E Munitions Source Assessment (hardcopy)
Appendix F Feasibility Study Cost Basis (hardcopy)
Appendix G Information for MassDEP (hardcopy)
Appendix H Plume Shell Development

ACRONYMS AND ABBREVIATIONS

2A-4,6-DNT	2-amino-4,6-dinitrotoluene
4A-2,6-DNT	4-amino-2,6-dinitrotoluene
AFCEE	Air Force Center for Engineering and the Environment
AIRMAG	airborne magnetometer
ARAR	Applicable or Relevant and Appropriate Requirement
ASTM	American Society for Testing and Materials
BEHP	bis(2-ethylhexyl)phthalate
bgs	below ground surface
BIP	blow-in-place
CDC	Contained Detonation Chamber
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CIA	Central Impact Area
cm	centimeter
COC(s)	contaminant(s) of concern
CRREL	Cold Regions Research and Engineering Laboratory
CSM	Conceptual Site Model
2,4-DNT	2,4-dinitrotoluene
2,6-DNT	2,6-dinitrotoluene
DO	dissolved oxygen
DWELs	drinking water equivalent levels
EPA	U.S. Environmental Protection Agency
ETR	Extraction Treatment Reinjection
FS-12	Fuel Spill Number 12 (with an extraction, treatment and reinjection system in place and operating)
g	grams
GAC	granular activated carbon
gpm	gallons per minute
HA	health advisory
HASP	Health and Safety Plan
HE	high explosive
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IAGWSP	Impact Area Groundwater Study Program
IX	ion-exchange resin
Kg	kilogram
µg/Kg	microgram per kilogram
µg/L	microgram per liter
MAARNG	Massachusetts Army National Guard
MassDEP	Massachusetts Department of Environmental Protection
MCL	maximum contaminant level
MCP	Massachusetts Contingency Plan
MEC	munitions and explosives of concern

mg	milligram
mg/Kg	milligrams per kilogram
mg/L	milligrams per liter
mm	milliliter
MMCL	Massachusetts maximum contaminant level
MMR	Massachusetts Military Reservation
msl	mean sea level
MSP	Munitions Source Program
MTU	mobile treatment unit
MW	monitoring well
3-NT	3-nitrotoluene
PCB	polychlorinated biphenyl
pCi/L	picocuries per liter
PCN	polychlorinated naphthalene
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RRA	Rapid Response Action
SSL	Soil Screening Level
SVOC	semivolatile organic compounds
TNT	2,4,6-trinitrotoluene
TSC	Textron Systems Corp.
USACE	U.S. Army Corps of Engineers
UXO	unexploded ordnance
VOC	volatile organic compounds

EXECUTIVE SUMMARY

This *J-3 Range Remedial Investigation/Feasibility Study (RI/FS)* presents the results of soil and groundwater characterization, geophysical/unexploded ordnance (UXO) investigations, and an evaluation of remedial alternatives for contaminated groundwater associated with the J-3 Range, located at the Joint Base Cape Cod (JBCC) on Cape Cod, Massachusetts.

The J-3 Range is located in the southeast portion of the JBCC and is bounded to the north by the L Range and J-1 Range. From 1935 through the late 1990s, the J-3 Range was used for training and testing purposes. Military training activities conducted in the area from 1935 to the mid-1960s primarily involved small arms, mortar and rocket training. The J-3 Range was developed specifically as a testing range by Textron, Inc., beginning in 1968, to conduct testing work required under various military contracts. Textron constructed and operated facilities at the J-3 Range until the late 1990s, conducting activities that included ordnance development, assembly, testing and disposal. Activities associated with historical range uses, primarily munitions testing and disposal, have resulted in releases of energetic compounds to the soil which are the likely source of groundwater contamination beneath the site.

The groundwater underlying and downgradient of the J-3 Range is primarily contaminated by hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) and perchlorate. For the presentation of the source area characterization, the range was subdivided into six subareas, based on investigations and land use history.

Characterization

The J-3 Range groundwater plume consists of both perchlorate and RDX. The main lobe of the perchlorate plume, as defined by perchlorate above the Massachusetts Maximum Contaminant Level (MMCL) (2 micrograms per liter [µg/L]), is approximately 3,500-feet long and approximately 450-feet wide at the widest point. Concentrations above 200 µg/L are no longer found in the monitoring well network and the conceptualized >200 µg/L concentration contour is downgradient of MW-198 and upgradient of J3EWIP1. However, concentrations as high as 350 µg/L were detected in drive point profile samples collected in 2012 upgradient of J3EWIP1. Through mass removal via the J-3 Range rapid response action (RRA) Extraction Treatment Reinjection (ETR) system and natural attenuation, perchlorate concentrations have decreased throughout most of the plume. The vertical extent of the plume, based on the 2 µg/L contour is comparable to previous depictions; however, the major difference is the thinning of the higher concentration contours in the plume.

The plume, as defined by RDX concentrations above the health advisory (HA) (2 µg/L), is approximately 2,500-feet long and 200-feet wide. The extent of the J-3 Range RDX plume, as defined by concentrations of RDX above 0.6 µg/L (3,400-feet long and 500-feet wide), does not extend as far downgradient and is not as wide as depicted prior to the startup of the groundwater RRA ETR system (4,800-feet long and 900-feet wide). The change in RDX extent is due to mass removal from the J-3 Range ETR system and natural attenuation. The current maximum RDX concentration is lower (7.5 µg/L, MW-198M4) than the pre- RRA maximum of 35 µg/L (MW-343M2, 2005). However, historic concentrations (37.6J µg/L) in this well indicate that the core of the RDX plume has migrated from MW-343 south and is currently downgradient of

MW-227. This is also reflected in the increase in RDX concentrations in the two downgradient extraction wells (J3EW0032 and 90EW0001).

The Conceptual Site Model, based on known range use activities and the presence of soil contaminants, suggests disposal and testing activities in the Demolition/Artillery Area and testing activities at the Melt Pour Area, as the major source of the J-3 Range plume.

A risk screening was conducted for the J-3 Range groundwater. The objective of the risk screening was to identify any contaminant detected in the J-3 Range groundwater that requires further evaluation. The maximum detected concentration of each analyte was compared against its MCL, HA, RSL or GW-1 standard. The screening identified a widespread presence of RDX and perchlorate at concentrations exceeding the screening criteria. Therefore, RDX and perchlorate will be further evaluated in the Feasibility Study. Other compounds were identified at concentrations exceeding some risk screening criteria, but these compounds were detected infrequently, are associated with naturally occurring background conditions, or are laboratory-related contaminants and, therefore, were not carried forward to the feasibility study.

During the period from 1997 through March 2013, 1,700 soil samples were collected from 505 locations within the J-3 Range investigation area. In addition, numerous intrusive investigations of geophysical anomalies were conducted in the J-3 Range study area. Results of historical releases and soil investigations in the Demolition and Artillery Areas as well as the Melt Pour Area show soil contamination that is consistent with explosives found in downgradient groundwater. These areas are located in Areas 1 and 3 and the extent of the groundwater plume is consistent with sources in these locations. Explosive and perchlorate soil contamination associated with these source areas has been removed as discussed in Section 5.0.

For the soil risk screen, J-3 Range soil data was divided into six discrete subareas, based on investigations and land use history. The risk screen identified concentrations of explosives compounds (2,4-dinitrotoluene [2,4-DNT], 2,6-dinitrotoluene [2,6-DNT], 2-amino-4,6-dinitrotoluene [2A-4,6-DNT], 4-amino-2,6-dinitrotoluene [4A-2,6-DNT], 2-NT, tertyl, nitroglycerin, nitrobenzene, HMX, RDX, TNT and perchlorate) exceeding the screening criteria. However, the subarea averages did not exceed the S-1/GW-1 standards. In addition, many of these locations are associated with blow-in-place (BIP) activities and were allowed to remain in place under BIP protocols. Other contaminants were occasionally detected above screening levels but only at low frequencies. Based on the above findings, there is no further action warranted for soils at the J-3 Range.

Munitions

The most widespread occurrence of high explosive (HE) projectiles found during intrusive investigations are likely associated with training activities that pre-date the establishment of the J-3 Range. The testing activities that were conducted mainly used inert projectiles with possible live fuzes. Several burial pits were found in the northern portion of the Demolition Area. These pits were likely associated with the testing of projectiles and subsequent burning/burial.

Any HE items that remain on the J-3 Range are likely associated with training activities. High explosives items that could remain on the range include the MK3 4.5-inch Barrage Rockets, M3 4.2-inch mortars, M56 and M43 81mm mortars, and the M49 60mm mortars. It is possible that additional M9 HEAT Rifle Grenades could be found in the southern portion of the J-3 Range. The M6 2.36-inch HEAT rockets that were associated with the testing maybe found in the vicinity of the J-3 Range Demolition Area. The M433 40mm HEDP grenades could be found around the presumed M550 berm area and contain live fuzes. However, extensive clearance work has been conducted in these areas and the likelihood of finding additional HE items is low.

Feasibility Study

A Feasibility Study was prepared to describe the development and evaluation of remedial action alternatives for the J-3 Range groundwater study area, based on the review of various data and groundwater modeling results. The Feasibility Study alternatives were developed to achieve the following response action objectives: to restore the useable groundwater to its beneficial use wherever practicable, within a timeframe that is reasonable given the particular circumstances of the site; to provide a level of protection in the aquifer that takes into account that the Cape Cod aquifer, including the Sagamore Lens, is a sole source aquifer that is susceptible to contamination; and to prevent ingestion and inhalation of groundwater containing contaminants of concern (COCs) in excess of federal maximum contaminant levels, Health Advisories, drinking water equivalent levels (DWELs), applicable State standards or an unacceptable excess lifetime cancer risk or non-cancer Hazard Index. Estimated cleanup times frames and costs for each alternative are summarized in Table 11-1. The following alternatives were evaluated:

Alternative 1 – No Further Action.

Monitoring wells and the existing treatment system would be abandoned and site closeout documentation would be completed. The source area soils have been removed. Perchlorate concentrations are predicted to decrease through natural attenuation process, to below 2 µg/L by 2079. RDX concentrations are predicted to decrease through natural attenuation processes to below 2 µg/L by approximately 2018 and to below 0.6 µg/L by 2043. The response action would be complete when the existing groundwater-monitoring-well network is abandoned. The present value cost of this alternative is $228,000.

Alternative 2 – Monitored Natural Attenuation and Land-Use Controls

Alternative 2 includes long-term groundwater monitoring and land-use controls, although the existing treatment system would be removed. The source area soils have been removed. Perchlorate concentrations are predicted to decrease through natural attenuation processes to below 2 µg/L by 2079. RDX concentrations are predicted to decrease through natural attenuation processes to below 2 µg/L by approximately 2018 and to below 0.6 µg/L by 2043. The Army may propose that the response action is complete, and request regulatory concurrence, when two years of monitoring in conjunction with groundwater modeling indicate that that the goals have been achieved. The present value cost of this alternative is $1,792,000.

Alternative 3 – Focused Extraction with Three Wells, Monitored Natural Attenuation and Land-Use Controls (Existing System)

Alternative 3 would provide for the continued long-term operation of the current J-3 Range groundwater plume extraction system. The J-3 Range groundwater plume ETR system consists of three axial extraction wells pumping at a combined rate of 195 gallons per minute (gpm) and reinjection wells located southeast of the J-3 plume. Active treatment of the plume removes perchlorate and RDX from the extracted groundwater and returns the treated water to the aquifer. The source area soils have been removed. Perchlorate concentrations are predicted to decrease below 2 µg/L by approximately 2052 and RDX concentrations would decrease below 2 µg/L by approximately 2016 and to below 0.6 µg/L by approximately 2032. The present value cost for this alternative is $7,876,000.

Alternative 4 – Focused Extraction with Three Wells, Monitored Natural Attenuation and Land-Use Controls (Existing System Optimized)

Alternative 4 involves increased pumping within the existing J-3 Range groundwater ETR system. This alternative includes the option of modifying the system to optimize system performance. The conceptual design includes the three existing extraction wells in the current J-3 RRA ETR system pumping at a combined rate of 265 gpm. The source area soils have been removed. Perchlorate concentrations are predicted to decrease below 2 µg/L by approximately 2039. RDX concentrations are expected to decrease below the 2 µg/L by approximately 2016 and below 0.6 µg/L by 2031. The present value cost for this alternative is $7,785,000.

Alternative 4A – Focused Extraction with Four Wells, Monitored Natural Attenuation and Land-Use Controls (Existing System Optimized)

Alternative 4A involves the optimization of the pumping rates within the existing J-3 Range groundwater ETR system and the addition of one new extraction well (on-base) operating at a total combined pumping rate of 265 gpm. The source area soils have been removed. Perchlorate concentrations are predicted to decrease below 2 µg/L by approximately 2022. RDX concentrations are predicted to decrease below 2 µg/L by approximately 2015 and below 0.6 µg/L by 2021. The present value cost for this alternative is $4,884,000.

Alternative 5 – Focused Extraction with Six Wells, Monitored Natural Attenuation and Land-Use Controls

Alternative 5 involves the optimization of pumping rates within the existing J-3 Range groundwater ETR system and the addition of three new extraction wells (two off-base, one on-base) operating at a total combined pumping rate of 315 gpm. This alternative would require expansion of the existing treatment capacity. The source area soils have been removed. Perchlorate concentrations are predicted to decrease below 2 µg/L by approximately 2024. RDX concentrations are expected to decrease below the 2 µg/L by approximately 2015 and below 0.6 µg/L by 2024. The present value cost for this alternative is $8,331,000.

1.0 INTRODUCTION

This J-3 Range Remedial Investigation/Feasibility Study provides a summary of activities conducted and data gathered for characterization of soil, unexploded ordnance (UXO) and groundwater contamination at the J-3 Range. The J-3 Range is among several training areas, ranges, and other sites evaluated by the Impact Area Groundwater Study Program (IAGWSP) for potential groundwater impacts. The J-3 Range investigation and cleanup were conducted under the authority of United States Environmental Protection Agency Safe Drinking Water Act Administrative Orders SDWA 1-97-1019, and SDWA 1-2000-0014 and in consideration of the substantive cleanup standards of the Massachusetts Contingency Plan (MCP).

1.1 Purpose of Report

The purpose of this report is to document the site characterization activities conducted for the J-3 Range, the results of the J-3 Range investigations, remedial actions completed to date, the nature and extent of UXO on the range, the nature and extent of soil and groundwater contamination, and potential impacts to groundwater quality and the risks associated with the contamination. This report also includes a Feasibility Study, which evaluates remedial actions for groundwater contaminants.

1.2 Report Organization

Section 2.0 of this report provides a site description of the J-3 Range, presents the history of past military and testing activities conducted at the range and describes the physical characteristics of the site. A summary of groundwater characterization activities and findings for groundwater data is presented in Section 3.0. Section 4.0 presents a summary of geophysical and soil investigations and findings. Interim removal/remedial actions are summarized in Section 5.0. The conceptual site model is presented in Section 6.0. The soil and groundwater risk screening is presented in Section 7.0. Section 8.0 presents the remedial investigation findings/conclusions. Section 9.0 introduces the groundwater feasibility study. Section 10.0 discusses the development of alternatives. Detailed analysis of the alternatives is presented in Section 11.0, while Section 12.0 provides the comparative analysis of alternatives.

2.0 SITE BACKGROUND

Joint Base Cape Cod (JBCC, formerly the Massachusetts Military Reservation) includes Camp Edwards, Otis Air National Guard Base, United States Coast Guard Air Station Cape Cod, Cape Cod Air Force Station, and the Veteran's Affairs Cemetery. It is located on the western side of Cape Cod, Massachusetts (Figure 2-1). The J-3 Range Investigation Area is located southeast of the Impact Area.

2.1 Site Description

The J-3 Range is located adjacent to the Impact Area and is the southernmost of four former military training, and defense contractor, test ranges that operated from the 1930s until the 1990s.

The J-3 Range is approximately 1,280 meters long and between 240 and 490-meters wide. The range is oriented southeast to northwest, with the southeastern "uprange" end near Greenway Road, bordered to the northeast by the L Range and the northwestern "downrange" end extending to Chadwick Road. The central area of the J-3 Range consisted of contractor facilities and an artillery range. Old training areas surround the central area on the northwest and west along topographic rises. The layout of the J-3 Range is depicted in Figure 2-2. The J-3 Range groundwater study area is depicted in Figure 2-3.

2.2 Site History

Military development in the J-3 Range area began between 1935 and 1941 along the west side of Greenway Road under the designation of the H Range. The H Range was used into the 1950s as a mortar and rocket range. In 1968, the area was developed by AVCO/Textron Services Corporation (Textron) as a Department of Defense contractor test range, under the designation J-3 Range, and used into the late 1990s. The primary mission of Textron was to develop and test tactical weapon systems under contract to the U.S. Army and U.S. Air Force. Textron used the following facilities at the range: headquarters trailer; workshop building; explosive loading building (melt/pour facility); ordnance assembly/X-ray building; instrumentation trailer; environmental test/assembly building; two test towers; four explosives storage bunkers; and several test range areas. Available aerial photographs are presented in Figures 2-4 through 2-8.

A general summary of the historical uses of the area with more detailed descriptions follows:

2.2.1 H Range (1935 to 1950s)

The H Range was originally developed between 1935 and 1941 along the west side of Greenway Road. The H Range was used into the 1950s as a mortar and rocket range.

From the 1950s until the early 1960s, small arms ammunition reportedly was used at a squad combat firing range that was also known as the H Range.

2.2.2 Hillside and Barrage Rocket Areas (1966 – 1970s)

Aerial photographs indicate disturbance by military activities in the hills adjacent to the J-3 Range since at least 1966. The Hillside Area is located immediately adjacent to the western side of the J-3 Range along a northwest-southeast trending ridge. A low earthen berm running along the top of the ridge on the hillside southwest of the J-3 Range Road was discovered during site investigation activities at the nearby Barrage Rocket Area. Preliminary investigation of the hillside near the berm revealed the presence of 3.5-in rockets, 81mm mortars, and a Stokes mortar.

Investigation activities at the Hillside Area were initiated under the Munitions Survey Program (MSP) in 2002-2003. A hand-held magnetometer survey of approximately 24.9 acres in this study area was performed. Based on the results of the magnetometer survey, ten 30-meter by 30-meter grids were selected and a ground-based geophysical survey was conducted and select anomalies were intrusively investigated.

The Barrage Rocket Area is located adjacent to the extreme northern portion of the J-3 Range and, like the Hillside Area, is located on a topographic rise. Investigation activities at this study area were initiated under the MSP to evaluate a clearing visible in a 1966 aerial photograph. Two 30-meter by 30-meter grids were established to investigate this clearing. As the site was cleared for ordnance, several 4.5-in barrage rockets were discovered. As a result, the investigation area was expanded around the initial 30-meter by 30-meter survey grids to cover a total of 0.9 hectare in 10 grid cells straddling the J-3 Range Road.

The firing points associated with these areas are not known for certain. The location of the areas and the types and ages of the munitions discovered suggest that these areas likely pre-date the use of the J-3 Range as a munitions testing range.

2.2.3 DoD Contractor Test Range (1968 to 1997)

The majority of the activity that occurred at the J-3 Range proper included shaping and loading ordnance, ordnance assembly, and ordnance testing. Other activities included evaluation of warhead deployment techniques, such as parachute drop, launcher deployment, and on-board sensor evaluation. These system tests typically required some mechanical assembly, and were generally conducted with inert warhead simulators. Ordnance ammunition testing, such as 20mm and other miscellaneous munitions testing (including warhead testing; vibration, drop and burn tests; explosive disposal; hazard classification; and explosive train tests) were also performed at the site. Additional information on contractor activities can also be found in the History of Site Operations, Phase I Environmental Site Assessment (104E Request-Revised) J-1 and J-3 Ranges, Camp Edwards, Massachussetts (Harding Lawson Associates 2000a) and the Supplemental 104E Report, History of Site Operations, Camp Edwards, Massachusetts (Harding Lawson Associates 2000b).

2.2.4 J-3 Range Features

Physical features of the J-3 Range fall into four general categories: contractor facilities, contractor test firing ranges, contractor disposal areas and military training areas lying adjacent to the J-3 Range proper, as depicted in Figures 2-4 through 2-8. Most investigative activities

were focused on these features. Based, in part, on land use history, the range has been divided into six subareas. Investigations and results for each subarea are discussed in Section 4.0. A description of principal range features within each subarea follows:

2.2.4.1 Area 1 - Melt/Pour Area

The Melt/Pour facility consisted of a one story concrete building constructed by Textron Systems Corp. (TSC) in 1978 (Figure 2-9). The building was divided into several bays, as shown in Figure 2-10, and was used for the melting and pouring of raw explosives during the preparation/assembly of various munitions components. Different operations were conducted in each of the bays. The operations included the melt-pour explosive loading, hydraulic press consolidation, explosive loading, explosive machining, and mechanical inspection.

Site features in and around the Melt/Pour building included: a wastewater holding tank, a septic system, an above ground storage tank (AST), an underground storage tank (UST), and an old latrine. The wastewater holding tank was a subsurface tank that was used from 1979 to 1990 for storing contact cooling and cleaning water derived from Melt/Pour operations. In 1990, the tank was decommissioned and replaced with a recirculation system. A leaching tank for water from the wash sink was located to the northwest of the building. A 550-gallon AST for heating oil was located within the building. A 1,000-gallon steel UST was located on the north side of the building and was removed in 1991 (AMEC 2001a). The latrine was located south of the building.

2.2.4.2 Area 2 - Workshop Building, 20mm/30mm Firing Ranges and Burn Kettle/Conex Area

The Workshop Building was a one story, wood frame building with a wood floor located in the southeast portion of the J-3 Range, north of the Melt/Pour Area (Figure 2-11). The building was provided by the Army in 1968 as a headquarters and instrumentation building for the testing range. Until 1980, it served as the site headquarters. From 1980 to 1983, the building was used for photography dark room processing. No ordnance related activities occurred at the Workshop Building.

Features in and around the Workshop Building include a former storage shed, an AST, a former septic tank, two drywells, and a water well. The former storage shed was located northwest of the building. The AST was located within the building. A 1,000-gallon septic tank for the building's restroom was located south of the building. Drywell 1 is located south of the septic tank. A suspected second drywell, Drywell 2, is located behind the northwest corner of the building. It is covered with a round concrete cap and sunk partially into the ground.

<u>20mm/30mm Firing Ranges</u>

The former 20mm/30mm firing range is approximately 100 feet northeast of the Workshop Building (Figure 2-11). Features in this area included a flammable storage building (converted from the former 20mm/30mm firing point building), storage sheds, a 100-foot firing range and an 800-foot firing range. In 2001, the storage sheds were removed during Textron's site decommissioning activities. Approximately 12,000 HE 20mm rounds were fired at the 100 and 800-foot ranges, with the majority of the tests conducted at the 100-foot range. Approximately 1,000 inert 30mm rounds were fired at the 100-foot range.

Burn Kettle/Conex Area

The southwestern portion of the J-3 Range contained a flammable storage shed, a burn kettle and four 6 by 8 by 6-foot conex containers (Figure 2-11). The flammable storage shed was a metal shed that was used to store limited quantities of gasoline, diesel fuel, and motor oil. The burn kettle was a partially buried USCG steel buoy that was converted into a burn chamber or "kettle" that was used to safely burn off excess propellant and small caliber munitions items. It is believed that the burn kettle was used primarily in the 1970s. Prior to 1977, munitions were stored in the conex containers prior to use/testing on other areas of the J-3 Range.

2.2.4.3 Area 3 - Artillery and Warhead Firing Range, Demolition Area and Explosive Storage Bunker Area

The Artillery Range, located in the central part of the J-3 Range, was used as such from 1968 to 1983 (Figure 2-12). This area consists of the following features: firing points, two concrete target walls, a gas gun, an M-550 launch house, instrumentation trailer, storage trailers, and a drop tower. The gas gun structure consisted of an elevated concrete pad used to mount a 16-inch, pressurized air-operated gun barrel (gas gun) and a wooden building with a concrete floor that housed the air compressor for the gas gun. The artillery range was used reportedly for testing 8-inch rounds until 1983. The gas gun was used in part to propel 81mm and 105mm projectiles, and rocket motors toward targets situated in front of the concrete walls.

Warhead Firing Range

A warhead test firing range was located in the central portion of the J-3 Artillery Range. This area consisted of the following features: a flight line, firing point, and X-ray buildings. X-ray stations and a high-speed Cordin camera were located along the flight line. The firing point was a small concrete block building located at the southeastern end of the flight line. An X-ray building was located on the southern side of the flight line. This range is believed to have been used for the testing and development of the sensor fuzed weapon. Warheads traveled along a 175-foot flightline into steel targets. Armor targets were placed along the flight line and up to 500 feet downrange. Testing was conducted from the early 1980s until 1997.

Demolition Area and Explosive Storage Bunker

The Demolition Area overlaps the Artillery Range (Figure 2-12). This area consisted of the following features: a detonation pit, a burn area and burn box. The detonation pit and burn area was an elongated depression located along the north side of target wall #1. A former burn box on a concrete pad was located approximately 30 feet north of the gap between Target wall 1 and Target wall 2 of the former artillery range. The burn box was removed by TSC in 1999.

Activities conducted in Area 3 included the following:

- Minuteman Missile Shroud Testing;
- Projectile Testing into a Ricochet Trough;
- Drum Disposal Area;
- Giant Patriot Testing Area;
- Former Flightline Firing Position Testing
- explosives burning;

- cook-off testing;
- anti-tank mine testing;
- explosive train tests; and
- Advanced Medium Range Air-to-Air Missile (AMRAAM) fragmentation tests.

A Minuteman Missile Shroud Testing area was located in the northern portion of the J-3 Range, south of the X-Ray Building. This area included three concrete pads. No buildings were present in this area. An old M-60 tank was parked on the westernmost pad, and used generators were also stored in this area. The concrete pads were the location of a one-time Minuteman 1 Missile shroud test. The test was performed to demonstrate whether the shroud could be removed from the Minuteman 1 Missile while in mid-air. The test involved a rocket motor encased in a shroud, propellant, and linear-shaped charges. When the charges were detonated, the shroud came off.

A Ricochet Trough, consisting of a water-filled half cylinder, was reported to have been used in the 1970s as a target for frangible projectiles. The target was removed in 2000.

A Drum Disposal Area was located in the eastern central portion of the J-3 Artillery Range (Figure 2-12). In the late 1960s, process water from milling and cleaning activities was collected in 55-gallon drums. Although the drums were emptied of their contents elsewhere, the crushed drums were returned to the J-3 Range and covered with soil, creating an earthen mound approximately 15-feet by 15-feet by 6 to 8-feet high. The crushed drums were removed by TSC in March 2002.

The Giant Patriot Testing Area consisted of an approximate 20-foot by 20-foot area located in a 10-foot deep depression along the eastern side of the Artillery Range. The Minuteman 1 Missile self-destruct system was tested in this area for a few months in the early 1970s. Approximately 50 to 60 such tests were conducted in this area.

The Flightline Firing Position was used as a warhead test firing range from the early 1980s until 1997. Projectiles were fired at armored targets located up to 500 feet downrange. X-Ray stations and high-speed cameras were used to evaluate the projectiles in flight.

Various excess munitions, and/or off-specification propellants, munitions, detonators, fuzes and initiators were either burned or detonated in the detonation pit, burn area or in the burn box. The burn box was also used to conduct “cook-off” testing to determine the temperature conditions under which munitions would detonate. Antitank testing was conducted immediately north of the concrete targets. Explosive materials from Textron’s Wilmington, Massachusetts facility were destroyed in this area twice a year. These materials included propellants, detonators, rocket motors, smokeless powder and 20mm powder.

The Explosive Storage Bunkers, identified as Buildings J3-5, J3-5A, J3-5B, and J3-5C (Figure 2-12), consisted of four concrete ammunition storage bunkers within a fenced compound along the west side of the demolition area. The explosive bunkers were used exclusively for storage. No production, assembly, or other processes were conducted there.

2.2.4.4 Area 4 - Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area

The Ordnance Assembly/X-Ray Building was constructed in 1983 and was located in the northern part of the J-3 Range (Figure 2-13). This area consisted of the following features: a one-story building, a UST, an AST, and a septic system. The one-story building was a wood frame and concrete structure on a concrete slab. Housed in this building were an office, a darkroom, an ordnance assembly area, and X-ray control equipment.

A 1,000-gallon, fiberglass, fuel oil UST was located at the southwestern corner of the building. The UST was closed in June 1991. A 275-gallon fuel oil AST was located in a containment shed attached to the building. All wastewater discharges from the building entered the septic system (tank and leach field) located off the south side of the building.

The Environmental Test/Assembly Building was located directly north of the Assembly/X-Ray Building. This area consisted of the following features: a building, a UST, an AST, water well, and a capture box. This building was a one-story wood frame structure on a concrete slab. The building contained shaker and temperature chambers. There was a firing room located on the western portion of the building with access provided by a garage door.

A former 500-gallon, steel fuel oil UST was located at the southwestern corner of the building. The UST was closed in June 1991. A fuel oil AST was located in the building. Water was supplied (via a pump and piping) to the adjacent Ordnance Assembly/X-Ray Building from a water well that was located on the east side of the building.

Activities conducted in the Environmental Test/Assembly Building Area included ballistic testing of 20mm, 30mm, and 40mm ammunition. Rounds were fired northwest toward the Gauntlet Area and captured in a sand-filled plywood box (capture box).

Gauntlet Area

The Gauntlet Area was located in the northern portion of the J-3 Range (Figure 2-13). This area consisted of the following features: a tower, a control building, a large level sand covered area, a projectile capture net, ground launch testing pads, and storm water ponds.

An 80-foot tower was used as a launch pad for the dispensed, scatterable, munition BLU-108 (skeet). A concrete control building at the base of the tower contained electrical control equipment.

A large level sand-covered area consisting of a geotextile fabric covered with sand was placed in this area to allow for staging of operational vehicles, target simulators, and false targets. The area was surrounded by ten telephone poles. Projectile capture nets were suspended vertically from the poles for capturing the skeet in-flight.

Projectile ground launch tests involved launching inert skeet from a crushed stone pad gun mount Wide Area Munition (WAM) launch pad located 300 feet southeast of the tower. A small gas generator was used to launch the skeet. The skeet were generally slow moving and contained sensors, electronic components, test instrumentation, or a small black powder

spotting charge. The skeet were captured in the projectile capture net, or allowed to land on the ground, and then recovered. Approximately 434 launch tests were conducted using spotting charges only. Skeet that contained instrumentation or spotting charges were launched from the tower into a net located across the sand-covered area. Approximately 300 tower launch tests were completed; 60 warheads were detonated over the sand-covered area.

Presumed M550 Berm Area

The Presumed M550 Berm area lies just north of the Demolition Area (Figure 2-13). According to historical information, this area was an impact area for 40mm grenades fired from the southern end of the Artillery Range. The grenades were reportedly practice grenades with live fuzes. This area encompasses Munitions Survey Project Phase III (MSP III) investigations identified as Polygons #6 through #10.

2.2.4.5 Area 5 - Hillside Study Area

The Hillside Study Area is located immediately adjacent to the western side of the J-3 Range along a northwest-southeast trending ridge (Figure 2-14). A low earthen berm running along the top of the ridge on the hillside southwest of the J-3 Range Road was discovered during site investigation activities at the nearby Barrage Rocket Study Area. Preliminary investigation of the hillside near the berm revealed the presence of 3.5-inch rockets, 81mm mortars, and a Stokes mortar. The firing points associated with this area are not known.

Investigation activities were initiated under the MSP to further evaluate the Hillside area. A hand-held magnetometer survey of approximately 24.9 acres in this study area was performed. Based on the results of the magnetometer survey, ten 30-meter by 30-meter grids were selected and a ground-based geophysical survey was conducted and select anomalies were intrusively investigated.

The location of the area and the types and ages of the munitions discovered suggest that use of the area likely pre-dates the development of the J-3 Range as a munitions testing range. These observations also suggest that the area may be related to training associated with the former H Range.

2.2.4.6 Area 6 - Barrage Rocket Study Area

The Barrage Rocket Study Area is located adjacent to the extreme northern portion of the J-3 Range and, like the Hillside Study Area, is located on a topographic rise (Figure 2-15). Investigation activities at this study area were initiated to evaluate a clearing visible in a 1966 aerial photograph (Figure 2-5). Two 30-meter by 30 meter grids were established to investigate this clearing. As the site was cleared for ordnance, several 4.5-inch barrage rockets were discovered. As a result, the investigation area was expanded around the initial 30-meter by 30-meter survey grids to cover a total of 0.9 hectare in 10 grid cells stradding the J-3 Range Road. Ensuing investigations at the site led to the discovery of thirty-eight 4.5-inch barrage rockets at or within 0.15 meter of the ground surface. Of the 38 barrage rockets discovered, 37 contained 2,4,6-trinitrotoluene (2,4,6-TNT) filler and one contained inert filler. Thirty-six of the barrage rockets were heavily corroded and two were lightly corroded. The Barrage Rocket Study Area is considered a training-related impact area. The firing points associated with this

area are not known. The location of the area and the types and age of the munitions discovered also suggest a possible association with training at the former H Range.

2.2.5 Decommissioning Activities

In 2004, Textron implemented a program to decommission the testing facilities at the J-3 Range. Beginning in May 2004, the removal and off-base recycling of concrete and steel was conducted from the following facilities:

- Concrete Target Wall Nos. 1 and 2
- Demolition Area concrete
- Former Burn Box concrete pad
- Drop Tower and associated concrete pads
- Former gun position concrete pads
- Concrete target blocks
- Water supply well heads and pumps

Further information on initial decommissioning activities can be found in the Final Summary Report Melt-Pour and Explosive Storage Bunker Building Decontamination, Drywell and Septic Tank Removal, Soil Delineation, and Building Demolition J-3 Range Camp Edwards, Massachusetts (MACTEC December 2004).

Additional decommissioning activities were conducted during 2007-2009 and included the following:

- Water supply well decommissioning
- Septic tank abandonment
- Storage tank removal
- Building demolition
- Explosive storage bunker demolition

Additional decommissioning activities including demolition, concrete and metal debris removal were conducted at certain other range locations. Details of these decommissioning activities are presented in the *Final Summary Report for Range Closure Activities* (MACTEC 2009).

2.3 Environmental Setting

2.3.1 Geographic Setting

The JBCC includes Camp Edwards, Otis Air National Guard Base, United States Coast Guard Air Station Cape Cod, Cape Cod Air Force Station, and the Veteran's Affairs Cemetery. It is located on the western side of Cape Cod, Massachusetts. The northern, non-cantonment area, is a wooded area on the Upper Cape that is largely undeveloped, but fringed with highways, homes, and other development (Cape Cod Commission 1998). The predominant land use surrounding the JBCC is residential or commercial development. The JBCC is situated adjacent to the towns of Bourne, Sandwich, Falmouth, and Mashpee. The J-3 Study Area is located in the southeastern portion of Camp Edwards between Greenway Road and the Impact Area.

A restricted area surrounded by fencing and guarded gates, the land is controlled by the U.S. Army under a lease with the Commonwealth of Massachusetts until at least 2051. Chapter 47 of the Acts of 2002 established the Upper Cape Water Supply to protect the water supply and wildlife habitat. Therefore, the potential for human exposure to on-site soil contaminants is limited to occasional trespassers, site workers, and military personnel. It is anticipated that the land use at the J-3 Range will not significantly change over time. An Upper Cape Regional Water Co-op operates three water supply wells.

2.3.2 Cultural Setting

Land use near JBCC is primarily residential and recreational, and secondarily agricultural and industrial. Portions of the JBCC are opened for deer and turkey hunting by permit from the Massachusetts Division of Fisheries and Wildlife. The major agricultural land use near the JBCC is the cultivation of cranberries. Commercial and industrial development in the area includes service industries, landscaping, sand and gravel pit operations, and municipal landfills (USACE 2002).

JBCC contains a cantonment area that includes a housing area for approximately 2,000 year-round residents. This area includes a chapel, a golf course, a base exchange, a medical dispensary, and two schools. Areas of the JBCC are used as airfields and other military support facilities. The JBCC resident population increases by as much as several thousand people during the summer training activities.

The northern area in which the J-3 Range is located is used for military training. As such, it is a restricted area surrounded by fencing and guarded gates. The land is controlled by the U.S. Army under a lease from the Commonwealth of Massachusetts running until at least 2051. Chapter 47 of the Acts of 2002 established the Upper Cape Water Supply Reserve to protect the water supply and wildlife habitat. Therefore, the potential for human exposure to on-site soil contaminants is limited to occasional trespassers, site workers, and military personnel. It is anticipated that the land use at the J-3 Range will not significantly change over time.

An archaeological survey covering 72 percent of Camp Edwards was conducted in 1987 to assess its archaeological sensitivity. One historic site and 26 prehistoric sites were identified within Camp Edwards. Findings from these surveys indicate that humans inhabited the Camp Edwards area up to 10,000 years ago.

2.3.3 Ecological Setting

The northern two-thirds of the JBCC are characterized as undeveloped open area, while the southern one-third is characterized as developed land. The dominant vegetation types vary accordingly. The northern portion of the JBCC consists of forested uplands dominated by stands of pitch pine and mixed oak species (*Quercus* spp.) with a diverse shrubby understory. Remnant vegetation in the southern portion of the JBCC consists of open grassland fields interspersed with scattered trees and shrubs. The present composition of these forests is a reflection of eighteenth-century logging practices, replanting strategies, and fire suppression activities. The other dominant cover type in this area consists of pitch pine and scrub oak barrens that are maintained by periodic fires (USACE 2002).

There are 39 state-listed species observed on the JBCC. About half of these are lepidoptera (i.e., moths), such as Gerhard's underwing moth (*Catocala herodias gerhardi*), the barrens daggermoth (*Acronicta albarufa*), and Melsheimer's sack bearer (*Cicinnus melsheimeri*). State-listed plant species documented on the JBCC include broad tinker's weed (*Triosteum perfoliatum*), ovate spikerush (*Eleocaris obtusa var. ovata*), Torrey's beak-sedge (*Rhynchospora torreyana*), and adder's tongue fern (*Ophioglossum pusillum*). Rare bird species on JBCC include the upland sandpiper (*Bartramia longicauda*), the grasshopper sparrow (*Ammodramus savannarum*), the vesper sparrow (*Pooecetes gramineus*), and the northern harrier (*Circus cyaneus*). These species are primarily associated with the grassland fields in the southern cantonment area. No threatened or endangered amphibians, reptiles, fish, or mammals are known to inhabit the JBCC; however, the JBCC does support a number of animals that are listed by the state as species of special concern. These include the eastern box turtle (*Terrapene carolina*), the Cooper's hawk (*Accipiter cooperii*), and the sharp-shinned hawk (*Accipiter striatus*) (USACE 2002).

2.3.4 Climate

The climate for Barnstable County, where the JBCC is located, is defined as humid continental. The neighboring Atlantic Ocean has a moderating influence on the temperature extremes of winter and summer. Winds of 30 miles per hour may be expected on an average of at least one day per month. Gale force winds can be common and more severe in winter. Average daily temperatures range from 29.6ºF in February to 70.4^{o}F in July.

Mean annual rainfall and snow melt water ranges from 45 to 48 inches. The average net recharge to groundwater of this annual rainfall is 27 inches per year. Occasional tropical storms that affect Barnstable County may produce 24-hour rainfall events of five to six inches (NGB 1990). Average snowfall is 24 inches (MAARNG 2001).

2.3.5 Geology

The J-3 Range is situated within the Mashpee Pitted Plain, a thick wedge-shaped deposit of unconsolidated Late Pleistocene outwash sands and gravels. The Mashpee Pitted Plain is bounded to the west and north by Buzzards Bay and Sandwich moraines, respectively. The Mashpee Pitted Plain is an outwash plain formed by streams that drained the Buzzards Bay and Cape Cod Bay lobes of retreating glaciers. Depositional environments of the Mashpee Pitted Plain range from glaciofluvial for the coarser deposits to glaciolacustrine for the finer deposits. In the Mashpee Pitted Plain, the glaciolacustrine deposits are discontinuous and commonly overlie basal till or bedrock.

Bedrock is commonly encountered between -122 and -145 feet mean sea level (msl) and consists of dark gray and black crystalline diorite/granite. The lowest stratigraphic unit is a thin discontinuous basal till which consists of a gray fine to coarse-grained sandy gravel that does not exceed 20 feet in thickness. In the vicinity of the J-3 plume glaciolacustrine deposits are finer grained sediments that overlie glacial till or bedrock. In general, the more continuous units in the vicinity of the plume occur below -50 feet msl and are described as silty sands, silts, and clays that are often interbedded with sands. These deposits represent low velocity flow deposition and are more prevalent with depth. Above approximately -50 feet msl, the

glaciolacustrine deposits are more discontinuous and are interbedded with glaciofluvial outwash sands. The glaciofluvial deposits are prevalent in the J-3 Range area and often are encountered from the ground surface to bedrock. These deposits consist of fine sands with little fines and little gravels or cobbles. Overlying this unit can be a thin (rarely more than 4 feet) layer of eolian loess, which consists of olive-brown silt or silty sand and is discontinuous across the ground surface.

2.3.6 Hydrogeology

The aquifer is situated in the permeable glacial outwash deposits overlying the relatively impermeable bedrock. The three hydrostratigraphic layers are the unsaturated zone, the saturated zone, and underlying impermeable bedrock. Groundwater flow in the saturated zone is controlled locally by the hydraulic properties of sands, silts, and clays that comprise the aquifer. The underlying crystalline basement is relatively impermeable and represents the bottom of the active aquifer. Groundwater enters the aquifer through recharge, predominantly from precipitation with minor contributions from water treatment plants, septic systems, irrigation, and other anthropogenic sources. Groundwater levels measured on 16 July 2013 indicate that flow is from north to south and depressions in the water table illustrate the effect of groundwater extraction on the local water table (Figure 2-16). Precipitation is variable and ranges from 45 to 48 inches annually. Less than half of the precipitation is lost to evaporative processes (evaporation and transpiration).

As presented in the *Final J-3 Range Groundwater Rapid Response Action (RRA) Plan* (ECC 2005d), saturated hydraulic conductivities (K) in the vicinity of the J-3 Range for the Mashpee Pitted Plain sediments range from 70 to 280 feet/day with horizontal/vertical anisotropy ratios ranging from 3:1 to 25:1. Hydraulic conductivities for glacial moraine sediments range from 22 to 150 feet/day with anisotropies similar to those for the Mashpee Pitted Plain sediments. Low-conductivity silts and silty sands are present in numerous boreholes in the area. K data for these silts and silty sands do not exist for the J-3 Range, however have been estimated based on the extensive K database and 3-D model of WCC hydrostratigraphy. In general, these fine-grain units have hydraulic conductivities less than 10 feet/day with anisotropies up to 100:1. Site-specific porosity (n) data have not been collected from the study area. However, other studies on upper Cape Cod have indicated that the effective porosity (n_e) of the coarse sand and gravel likely ranges from 0.35 to 0.42 (Masterson et al. 1997). For groundwater modeling and plume shell based estimates of mass, an effective porosity of 0.30 is assumed for the whole study area.

For the evaluation of groundwater velocities, horizontal gradients of 0.0001 and 0.0006 ft/ft (the range of gradients within the study area) were considered. Using an effective porosity of 0.3, the average linear velocities are 0.05 and 0.10 feet/day for the lowest gradient (0.0001 ft/ft). For the steepest gradient (0.0006 ft/ft), the average linear velocities increase to 0.3 and 0.6 feet/day for conductivity values of 150 and 300 feet/day, respectively.

Groundwater seepage into nearby Snake Pond in Sandwich is relevant to the J-3 Range study area because the plume is moving towards Snake Pond. The fate of the J-3 plume may be controlled by the hydraulic characteristics of the pond bottom sediments. A seepage meter

study was conducted in Snake Pond in 1997 as part of an ecological studies program performed by the Air Force Center for Engineering and the Environment (AFCEE 1998). Results indicate the highest recharge and discharge rates occur close to shorelines. Seepage rates in the northern half of the pond are positive (i.e., into the pond), with a maximum as high as 0.95 foot/day. Seepage rates decrease by an order of magnitude within 250 feet of the shoreline. The southern half of the pond has negative seepage rates indicating flow of water from the pond into the aquifer, where maximum observed rates are -0.02 foot/day.

Vertical hydraulic conductivities of pond bottom sediments ranged from 143 feet/day on the northwestern shore to 0.2 foot/day in the pond's northern neck. Mean vertical hydraulic conductivities were 23 feet/day (AFCEE 1998). Higher conductivities were found in locations near Snake Pond and the northwest shore of the pond. The higher conductivities appear to be associated with moderately permeable pond bottom materials. Muck and fine grained materials are present in the deep portion of Snake Pond and in the northern neck area. The remainder of the pond is characterized by fine to coarse sands with small areas of gravel. Conceptualization of pond bottom sediments and their impact on aquifer-pond interactions have been evaluated by the USGS (USGS 2002), by AFCEE as part of the FS-12 system design efforts (AFCEE 1998), and by IAGWSP as part of the J-3 RRA wellfield design (ECC 2005c).

3.0 GROUNDWATER CHARACTERIZATION ACTIVITIES AND NATURE AND EXTENT OF CONTAMINATION

3.1 Groundwater Characterization Activities

Intensive investigation of J-3 Range groundwater quality commenced in 2000. Investigation activities included aquifer profiling, monitoring well installation, groundwater sample collection from monitoring wells, drive points and diffusion samplers, sample analysis, water level surveys, and groundwater model development. A total of 112 new and existing well screens were sampled in 56 locations and over 1,500 samples have been analyzed. Table 3-1 lists monitoring wells installed/sampled during the J-3 Range groundwater investigation. Groundwater sample IDs and analyses are listed in Appendix A. Monitoring well chemical data results are presented in Appendix B. Water quality parameters measured during groundwater sampling are presented in Appendix C.

All monitoring well locations were surveyed with horizontal positioning referenced to the North American Datum 1983, Universal Transverse Mercator (UTM) Zone 19 North in meters and vertical datum referenced with an accuracy of 0.005 feet of vertical/horizontal control to the North American Datum of 1927 in feet. Well locations were obtained by static Global Positioning System (GPS) occupations. Elevations were calculated using post-processing software and are referenced to the top of the PVC pipe at the designated mark.

3.1.1 Monitoring Well Installation and Sampling

During the course of the J-3 Range groundwater investigations drilling at monitoring well locations was conducted with borewater (aquifer profile) samples collected at 10-foot intervals and analyzed for explosives by EPA method SW846/8330 and perchlorate by EPA method E314.0 later replaced by SW846/6850. Well screens were subsequently installed at each location based on the profile data, aided by groundwater modeling. Complete analytical results for samples collected from monitoring wells in the J-3 Range study area are presented in Appendix B and the water quality parameters measured during groundwater sampling are presented in Appendix C. Both borewater and groundwater sample results were used in the development of the groundwater model and the mapping of contaminant distribution in the J-3 groundwater contaminant plume.

On 1-2 May 2012, extraction well J3EWIP1 was profiled using inflatable packers. Perchlorate concentrations measured at well J3EWIP1 were highest near the bottom of the well screen, increasing from a concentration of 0.20 µg/L, at the top of the well screen (about +6 feet msl), to approximately 8 µg/L at the bottom of the well screen, from elevations of -16 to -31 feet msl, which is at the top of a low permeability layer (Table 8-1).

3.2 Nature and Extent of Groundwater Contamination

A large-scale plume of comingled RDX and perchlorate contaminated groundwater has been found to be migrating from sources at the J-3 Range. A significant component of the J-3 RI/FS numerical modeling involved the development of perchlorate and RDX plume shells using the existing groundwater flow model and historical measurements of contamination and not just recent measurements. (Appendix H). This approach did not include calibrating the plume shell

using measured concentrations at the extraction wells but did use all the historical data available to develop the 3D representation of the recent plume and any inconsistencies in plume mass exist because of the irregular spatial and temporal distribution of the contamination but the extent of contamination is believed to be more reliably understood. Furthermore, groundwater with a concentration greater than a low level threshold is going to occupy a much smaller volume in the model than groundwater with a concentration greater than zero. As such, an extraction well with a capture zone extending beyond the low level threshold concentration is going to remove mass that was not accounted for in the original calculation. Therefore, the potential exists for more mass to be removed by an extraction well than was estimated as being above the low-level threshold concentration.

The longitudinally elongated J-3 groundwater plume is thought to be derived from two primary source areas, the Artillery Range and Demolition Area and Melt/Pour Building Area.

Historical depictions of the plume are presented in prior year interim annual environmental monitoring reports. The interim annual environmental monitoring reports provide analyses of plume dynamics and hydraulics including assessment of model-predictions against observed behavior; monitoring program effectiveness and operational aspects of the Rapid Response Action (RRA) Extraction Treatment Reinjection (ETR) system; and the in-plant effectiveness of treating extracted groundwater. The ETR system became operational at the J-3 plume in August 2006. The configuration and migration of the plume has been significantly influenced by the J-3 groundwater RRA ETR system. Perchlorate and RDX concentrations in groundwater are presented in Tables 3-2 and 3-3. All of the chemical data results are presented in Appendices B and C, and the distribution of the primary site-related contaminants are shown on maps and cross sections.

A brief description of the J-3 range plume is provided below. Updated depictions of the J-3 RDX and perchlorate plumes are shown on Figures 3-2 through 3-7.

Samples were collected in accordance with the following work plans:

- *Final J-3 Range Supplemental Groundwater Work Plan* (1/28/2005)
- *Final J-3 Range Groundwater Rapid Response Action Plan* (3/15/2005)
- *Final J-3 Rapid Response Action System Performance and Ecological Impact Monitoring Plan* (6/21/2006)

Historical Plume Characteristics

The J-3 groundwater plume has historically been defined by the RDX and perchlorate concentrations, although HMX was shown to be present in central portion of the plume. In 2006, prior to the startup of the RRA ETR, the horizontal and vertical extent of the plume was defined as concentrations in the groundwater below the limit of detection. The September 2006 downgradient extent of perchlorate contamination was approximately 3,700 feet from the source areas. The RDX portion of the plume extended approximately 4,500 feet downgradient and then beneath Snake Pond. Based on both the perchlorate and RDX concentrations, the plume had a maximum east-west width of approximately 1,200 feet and a maximum thickness of approximately 90 feet (ECC 2006). The maximum concentrations observed in 2006 (prior to

startup of the RRA extraction wells) for RDX, HMX and perchlorate were 32 µg/L, 88 µg/L and 494 µg/L, respectively.

3.2.1 RDX and Perchlorate

RDX

Like the perchlorate plume, the RDX release likely originated at the J-3 Demolition area and/or the Melt/Pour Building area of the site. Once in groundwater, RDX migrated south with groundwater flow, toward the base boundary, ultimately turning southeast toward Snake Pond. The extent of the J-3 Range RDX plume, as defined by the recently developed RDX plume shell (Appendix H) and concentrations of RDX above 0.6 µg/L (3,400-feet long and 500-feet wide) (Figures 3-2, 3-3 and 3-4), does not extend as far downgradient and is not as wide as depicted prior to the startup of the GW RRA ETR system (4,800-feet long and 900-feet wide). The plume, as defined by RDX concentrations above the health advisory (HA) (2 µg/L), is approximately 2,500-feet long and 200-feet wide. The change in RDX extent is due to mass removal from the J-3 Range ETR system and natural attenuation. The most recent detected maximum RDX concentration is lower (7.5 µg/L, MW-198M4; 06 August 2013) than the maximum reported prior to the startup of the GW RRA ETR system (35 µg/L, MW-343M2, 2005). However, historic concentrations (37.6J µg/L) in this well indicate that the core of the RDX plume has migrated from MW-343 south to MW-227 and is currently downgradient of MW-227. This is also reflected in the increase in RDX concentrations in the two downgradient extraction wells (J3EW0032 and 90EW0001) (Table 3-1). The two small RDX plumelets downgradient of monitoring wells MW-239 and MW-157 represent migrated historical RDX concentrations and their existence has not been confirmed. While the narrow plumelet east of the downgradient RDX plume is predicted to be within the capture zone of extraction well 90EW0001 the somewhat larger plumelet located east of the J3EWIP1 extraction well is predicted to be outside of the existing ETR capture zones. Concentrations of RDX represented by this plumelet were derived by migrating profile data measured in 2002 at MW-239. The RDX contamination at this location is predicted to have entered and become relatively immobile in a low conductivity zone and the concentration of RDX is predicted to diminish to less than 0.6 µg/L by 2033.

For discussion purposes, the plume is divided into the following three segments: (1) RDX Upgradient Plume; (2) RDX Downgradient Plume; and (3) lateral RDX plumelets.

RDX Upgradient Plume

Residual RDX concentrations in the source area well MW-163S, in the Demolition Area, have decreased from a high of 33.0 µg/L in 2005 to 1.1 µg/L in July 2013. This declining trend indicates that the mass flux from the source area to the groundwater is declining.

The trailing edge RDX lobe is bounded by results from MW-232 and MW-243 to the west, and MW-193, MW-197 and MW-142 to the east. Historically, the highest RDX concentrations have been measured in the core of the plume at MW-198M3 at a level of 20 µg/L in 2003; however, RDX concentrations at all MW-198 well screens have declined considerably as the core of the plume has migrated toward the J3EWIP1 extraction well. This is demonstrated by the increasing RDX concentrations measured at the J3EWIP1 extraction well.

The relatively poor comparison between measured and predicted RDX concentrations at monitoring wells and extraction wells necessitated the collection of additional groundwater quality data through a drive point program. In 2012, drive points DP-574 through DP-580 were drilled to help determine the thickness of the RDX plume in the area up gradient and in the vicinity of J3EW1P1. The profile data confirmed the existence of additional RDX mass up gradient of J3EW1P1, at depths ranging from 110 to 145 feet in the plume core, and at concentrations up to 17.7 µg/L. Drive point DP-9 was subsequently drilled in 2013 approximately 200 feet down gradient of extraction well J3EW1P1 to help determine whether plume capture is being achieved under both average and high water table conditions. RDX was detected at a concentration of 4.2 µg/L from one 5-foot interval.

RDX Downgradient Plume

The downgradient RDX plume is separated from the upgradient because of the effect of groundwater extraction by the in-plume J3EWIP1 extraction well. Monitoring well MW-227 is near the upgradient extent of this downgradient plume and both MW-227M1 and MW-227M2 have shown a considerable decline in RDX concentrations in recent years. The core of the RDX downgradient plume is considered to be immediately upgradient of MW-247 and currently migrating toward the J3EW0032 and 90EW0001 downgradient extraction wells. The downgradient extent of the plume is contained by the extraction wells and is not believed to be entering Snake Pond.

Lateral RDX Plumelets

Two small plumelets are believed to exist east of the main lobes. While RDX contamination has never been measured at these locations the plumelets are predicted to exist based on the forward migration of historical concentration data. While the narrow plumelet east of the downgradient RDX plume is predicted to be within the capture zone of extraction well 90EW0001 the somewhat larger plumelet located east of the J3EWIP1 extraction well is predicted to be outside of the existing ETR capture zones. Concentrations of RDX represented by this plumelet were derived by migrating profile data measured in 2002 at MW-239. The RDX contamination at this location is predicted to have entered and become relatively immobile in a low conductivity zone and the concentration of RDX is predicted to diminish to less than 0.6 µg/L by 2033.

Perchlorate

The extent of the J-3 Range perchlorate plume, as defined by concentrations of perchlorate above the Massachusetts maximum contaminant level (MMCL) of 2 µg/L (3,500-feet long and 450-feet wide) (Figures 3-5, 3-6 and 3-7), has become slightly shorter and more narrow since prior to the startup of the groundwater RRA ETR (3,700-feet long and 900-feet wide). The western boundary in the downgradient portion of the plume has moved to the east of extraction well J3EW0032 where concentrations are well below the 15 µg/L previously reported due to J3EW0032 mass removal. The area where concentrations exceed 15 µg/L is also narrower, likely due to mass removal by extraction well J3EWIP1. Concentrations above 200 µg/L are no longer observed in the monitoring well network, however concentrations as high as 350 µg/L were detected in drive point profile samples collected in 2012 downgradient of MW-198 and upgradient of J3EWIP1. The vertical extent of the plume, based on the 2 µg/L contour is

comparable to the previous depictions; however, the major difference is the thinning of the higher concentration contours in the plume.

Through mass removal via the ETR system and natural attenuation, perchlorate concentrations have decreased throughout most of the plume (Figure 3-4). The location of the historic maximum plume concentration of 770 µg/L (MW-198M3, June 2005) has decreased most recently to a concentration of 2.7 µg/L (MW-198M3, 06 August 2013). Significant decreases have been observed in areas in proximity to extraction wells, specifically at locations MW-343, MW-142, and MW-247 (Figure 3-4). However, significantly higher perchlorate concentrations are currently observed in the influent to extraction well J3EWIP1 (i.e., 17.3 µg/L, July 2013), indicating the presence of much higher perchlorate concentrations within the J-3 plume than what is presently being detected by the chemical monitoring network. Perchlorate concentrations in source area well MW-163S have declined from a maximum of 120 µg/L (June 2005) to 4.5 µg/L in the latest sampling event (30 July 2013).

The overall centerline length of the perchlorate plume, as defined by perchlorate above the MMCL (2 µg/L), is approximately 3,460 feet, extending from the source area down gradient to approximately 100 feet down gradient of extraction wells J3EW0032 and 90EW0001 and the plume is approximately 440 feet wide at its widest point. This represents a significant narrowing of the plume since active treatment began in 2006, when the plume was observed to be approximately 1,200 feet wide at its widest point.

Perchlorate Upgradient Plume

Residual perchlorate concentrations in shallow well MW-163S, in the Demolition Area, show a significant and continued decrease in concentration over time, with the most recent results (July 2013) being 4.5 µg/L, which is significantly less than the highest concentration of 120 µg/L measured in March 2005. This declining trend indicates that the mass flux from the source area to the groundwater is declining.

The plume core, up gradient of the base boundary, contains the highest concentrations of residual perchlorate detected within the J-3 Range plume. The cross-section shown in Figure 3-5 is drawn parallel to groundwater flow along the axis of the plume and through wells exhibiting the highest historical perchlorate concentrations.

Relatively high concentrations of perchlorate have been detected in groundwater samples collected from the MW-198 well cluster since its installation in 2002. Perchlorate concentrations above 100 µg/L have been detected in samples from MW-198M3 from 2002 to 2008, peaking at 770 µg/L in 2005. Perchlorate concentrations above 100 µg/L have been detected in MW-198M2 from 2004 to 2008 and in MW-198M4 from 2002 to 2005, indicating that a significant mass of perchlorate is migrating through this area of the aquifer. Current concentrations have declined to single digit values. This is because the elevated perchlorate concentrations in the plume core have migrated down gradient beyond the MW-198 well cluster.

The relatively poor comparison between measured and predicted perchlorate concentrations at monitoring wells and extraction wells necessitated the collection of additional groundwater quality data through a drive point program. In 2012 drive points DP-574 through DP-580 were

drilled to help determine the thickness of the perchlorate plume in the area up gradient and in the vicinity of J3EW1P1. The profile data confirmed the existence of significant perchlorate mass up gradient of J3EW1P1, at depths ranging from 100 to 165 feet in the plume core, and at concentrations up to 350 µg/L. Drive point DP-9 was subsequently drilled in 2013 approximately 200 feet down gradient of extraction well J3EW1P1 to help determine whether plume capture is being achieved under both average and high water table conditions. Perchlorate was detected at concentrations up to 8.8 µg/L. These results do not suggest segmentation of the perchlorate plume down gradient of the stagnation point of the in-plume extraction well. Wells flanking the plume, east and west of the MW-198 cluster, including MW-197M2, MW-197M3, MW-295M1, MW-295M2, MW-359M2, and MW-144M2 all show continued perchlorate concentrations below the 2.0 µg/L MMCL.

Perchlorate Downgradient Plume

Perchlorate concentrations, downgradient of the installation boundary, are generally lower than those reported in the northern portions of the plume. In 2012, none of the wells of the MW-247 well cluster had a detection of perchlorate exceeding the 2.0 µg/L Massachusetts MMCL standard (Table 5-2) while the highest perchlorate in the MW-250 well cluster, increased from 0.31 µg/L in 2011 to 3.0 µg/L in 2012.

Though perchlorate concentrations in extraction wells J3EW0032 and 90EW0001 were below the 2.0 µg/L standard, it is assumed that some of the groundwater captured by these wells enters at a higher concentration due to the long screen lengths. Wells within the MW-247 and MW-329 clusters continue to define the western limit of the plume in the vicinity of these extraction wells with concentrations below 2.0 µg/L and the MW-157 cluster continues to define the eastern limit of the plume with similarly low concentrations

3.2.2 Other Compounds

Detects for all other compounds are summarized in Appendix B for the J-3 Range monitoring well samples evaluated in the groundwater risk screening (Section 7.2). In addition to perchlorate and RDX, the only other explosives detected in the J-3 plume monitoring wells defining the plume emanating from the Demolition Area/Melt Pour building were HMX and 1,3,5 trinitrobenzene. HMX is primarily found in monitoring wells on the east side of plume where it has migrated from the Melt/Pour Building source area. Recently detected concentrations of HMX in the downgradient extraction wells (J3EW0032 and 90EW0001) indicate this mass is migrating as predicted prior to the startup of the GW RRA ETR system (Table 3-1). The detections were low-level, typically one to two orders of magnitude below the HA (400 µg/L). 1,3,5 trinitrobenzene was detected once at a concentration of 0.373J µg/L in one well (MW-195S) in April 2009 (Appendix B).

Other explosives compounds have been detected in the J-3 Range groundwater samples including 1,3-dinitrobenzene, TNT, 2,4-DNT, 2-amino-4,6-dinitrotoluene, 4-amino-2,6-dinitrotoluene, 2,4-diamino-6-nitrotoluene, 2-nitrotoluene, 4-nitrotoluene, 1,3,5-trinitrobenzene and picric acid. These compounds were low-level results detected in samples collected prior to 2005 and are no longer detected in groundwater monitoring wells included in the Long Term Monitoring program.

Other detected compounds have included VOCs, SVOCs, pesticides, select metals, inorganic and radiological parameters. The detections of non-MEC related analytes are limited to samples collected during the early phases of the J-3 Range site investigations and are not considered contaminants of concern. All detected compounds are included in the risk screening discussed in Section 7.2.

3.2.3 Water Quality Parameters

Water quality parameters were measured at existing and newly installed monitoring wells located within the J-3 Range groundwater study area during sampling events from May 2006 to August 2013 (Appendix C). The ranges and averages were similar to previous results. The range of groundwater water quality parameters are as follows: temperature ranged from 5 to 27 degrees Celsius (°C) with a mean of 11.0°C; dissolved oxygen (DO) ranged from -0.08 to 16.7 milligrams per liter (mg/L) with a mean of 8.67 mg/L; oxidation-reduction potential (ORP) ranged from –460.1 to 354.3 millivolts (mV) with a mean of 153.7 mV; specific conductance ranged from 29 to 281 microsiemens per centimeter (µS/cm) with a mean of 78.6 µS/cm; and pH [scale for measuring aqueous hydrogen ion (H+) concentration] ranged from 4.37 to 10.38 standard units with a mean of 5.78.

3.2.4 Snake Pond Investigations

In May 2001, RDX was detected at 4.1 µg/L in a sample collected from MW-171M2, located on a spit of land that protrudes into the north end of Snake Pond during periods of low water table. To evaluate potential discharge of the J-3 RDX plume into the surface water in Snake Pond the USGS placed an array of 108 diffusion samplers approximately 0.5 foot into the pond bottom sediments along 12 north-south oriented transects in and south of the pond's northern cove (Figure 3-8). Trace concentrations of explosives, but no RDX or HMX, were detected at five locations. Perchlorate was not analyzed in samples collected from the diffusion samplers. Subsequently the USGS collected shallow groundwater samples from temporary drive points conducted at 14 locations, including the five locations where traces of explosives were detected in diffusion samplers. The drive point samples were collected 2-4 feet below the pond bottom. The drive point samples were analyzed for explosives and perchlorate. No explosives were detected in any of the drive point samples. Perchlorate was detected at sub-ppb levels in two drive point samples collected near the spit (USGS 2003). The results from the diffusion and drive point sampling did not indicate an area of groundwater discharge with concentrations of ordnance-related compounds that are sufficiently elevated to be detected by these methods (USGS 2003).

In 2010, aquifer profile groundwater samples were collected at three drive points located along the southern shore of Snake Pond to determine if the J-3 plume was under-flowing the pond. No perchlorate or explosives were detected in any of the profile samples.

Snake Pond Sampling

The IAGWSP has been sampling surface water at three locations in Snake Pond (Figure 3-9) since May 2001. The purpose of this sampling was to assess any impacts to surface water quality related to the potential discharge into the pond of the J-3 plume. Historically, the

IAGWSP has collected 12 surface water samples from three locations (36 samples total) per year. Sampling occurred monthly in April and May; then every two weeks in June, July and August; and again on a monthly basis in September, October and November. The sample locations were at the public beach off Snake Pond Road (LKSNK0005); a private property at the northwestern shore of the pond (LKSNK0006); and at the beach at Camp Good News (LKSNK007). Explosives have never been detected in the surface water samples collected from Snake Pond. Perchlorate was detected three times between May 2001 and October 2008 at a maximum concentration of 0.72 µg/L. In November 2008, the perchlorate analytical method changed from E314.0 to SW6850, which has a much lower detection limit (0.040 µg/L, vs 0.35 for method E314.0). Since method SW6850 was implemented traces of perchlorate have been detected in 43 out of 93 surface water samples with a maximum detection of 0.11 µg/L (the Massachusetts drinking water standard is 2 µg/L). The detections occurred mainly during the months of July and August with mostly non-detect results from the spring and fall sampling events. This pattern of detections suggests there may be other potential sources of perchlorate in surface water that coincide with increased activity around the pond in the summer. Complete Snake Pond surface water sampling results are provided in Table 3-4.

Conclusions

The highest concentration area of the J-3 Range perchlorate plume is narrower and the maximum concentration has decreased significantly since the startup of the GW RRA ETR system. The J-3 Range RDX plume is also narrower since treatment began, has lower concentrations, and is less continuous. The main center of mass of the RDX plume, located between J3EWIP1 and J3EW0032 has migrated downgradient as expected. The changes in J-3 Range plume characterizations do not affect the conceptual site model for how the plumes developed or how the plumes will migrate and attenuate in the future.

These groundwater plume characterizations will be further considered in the FS (Sections 8.0 through 11.0). A long-term groundwater monitoring program at existing and new monitoring wells will be conducted to verify the effectiveness of the soil and UXO response; to ensure that ground water modeling predictions regarding the reduction and migration of contamination are correct; and to ensure that any remaining contamination remains below risk-based levels.

4.0 J-3 RANGE SOURCE CHARACTERIZATION

The source areas at the J-3 Range include both soil contamination and UXO (or munitions and explosives of concern [MEC]) that may be in or on the soil. Initial investigations of the J-3 Range focused on those features identified during a historical aerial photograph analysis of Camp Edwards. Additional range features were included in the investigation as more range records/information became available. Information regarding range activities has also been obtained through interviews of current and former base employees and range workers and observations noted during site reconnaissance, as previously discussed in Section 2.2. However, available records generally lacked sufficient detail to allow focused soil characterization activities.

4.1 Source Characterization Activities

Since 1997 a variety of field investigation methods have been employed to help locate and characterize site features that have caused, or have the potential to cause, groundwater contamination. As discussed below, multiple lines of evidence have been developed, including geophysical and soil sampling data, to characterize J-3 Range chemistry. The Range has been subdivided into six study areas for data presentation, based on geographical area and range use. The following sections describe geophysical and soil sampling activities that have been conducted at the J-3 Range.

4.1.1 Soil Sampling

Soil characterization investigations in the J-3 Range commenced in 1997. During the period from February 1997 to March 2013, 1,700 soil samples were collected at various depths from 505 locations within the J-3 Range Study Area.

Samples were collected in accordance with the following work plans and project notes:

- *Final J-1, J-3 and L Range Workplan [J13LWP] (Ogden 2000) August*
- *Final J-1, J-3 and L Ranges Additional Delineation Workplan No. 1 [ADWP1] (AMEC 2001b) September*
- *Final J-1, J-3 and L Ranges Additional Delineation Workplan No. 2 [ADWP2] (AMEC 2002a) September*
- *Final J-3 Range Supplemental Soil Work Plan (AMEC 2004a) November*
- *Munitions Survey Program Phase 3, J-3 Range Site Work Plans (Tetra Tech 2002b) September*
- *Draft Work Plan Melt-Pour and Explosive Storage Bunker Building Decontamination, Drywell and Septic Tank Removal, and Soil Delineation (MACTEC 2003a)*
- *Final Work Plan, Supplemental Soil Delineation, J-3 Range, (MACTEC 2003b)*
- *Revised Draft J-3 Range Barrage Rocket Additional Characterization Investigation Project Note (ECC 2009a)*
- *Final J-3 Range Barrage Rocket Area Soil Sampling Project Note (IAGWSP 2012)*
- *Final Plan for Follow-up Actions at Existing BIP Locations Project Note (IAGWSP 2012)*

- *Final Work Plan, Concrete Target Wall and Block Removal, Building Demolition, and Miscellaneous Housekeeping Activities (MACTEC 2004)*
- *Work Plan for Investigation of Depleted Uranium at J-Ranges (Tetra Tech EM January 10, 2001)*

Results from many of these investigations are summarized in the following reports:

- *Final J-1, J-3 and L Ranges Interim Results Report, TM 01-9 [J13L Interim Report No. 1]. This report includes analytical data collected from the beginning of the J-3 Range investigation in August 2000, through March 02, 2001. (AMEC 2001c March 29)*
- *Draft J-1, J-3 and L Ranges Interim Results Report No. 2, TM 01-16 [J13L Interim Report No. 2]. This report includes analytical data collected from the beginning of the J-3 Range Investigation in August 2000 through July 27, 2001 (AMEC 2001a September)*
- *Draft J-1, J-3 and L Ranges Additional Delineation Report No. 1 [ADR1]. This report present analytical results from the beginning of the J-3 Range investigation in August 2000 through April 14, 2002 (AMEC 2002b May 23)*
- *Final Summary Report, Removal of Crushed Drums and Precondition Sampling Activities, J-3 Range (Harding ESE 2003)*
- *Draft J-3 Hillside Impact Area and Barrage Rocket Site Data Summary Report (ECC 2004)*
- *Final J-3 Range Rapid Response Action(RRA) Completion Report (ECC 2005b)*
- *Final Summary Report Melt-Pour and Explosive Storage Bunker Building Decontamination, Drywell and Septic Tank Removal, Soil Delineation, and Building Demolition J-3 Range Camp Edwards, Massachusetts. (MACTEC December 2004)*
- *Final Summary Report Supplemental Soil Delineation, Melt-Pour Building J-3 Range, Camp Edwards Massachusetts Military Reservation. (MACTEC December 2004)*
- *Final Summary Report Range for Closure Activities J-3 Range Camp Edwards, Massachusetts. (MACTEC 2009 January).*
- *Depleted Uranium Investigation at the J-1, J-3, and U Ranges of the Massachusetts Military Reservation. (Tetra Tech EM, Inc. November 28, 2001)*

Types of soil samples collected include soil boring samples, discrete soil grab samples, 5-point composite soil samples, and multiple increment soil (MIS) samples. Soil samples associated with BIP activities have also been collected. The majority of the samples at J-3 Range were composite samples collected from 5-point sample grids designed to represent a 22 feet by 22 feet area. Sampling points within the grid were placed equidistant from each other; one point in the center and four points offset from each of the grid corners to form an “X” pattern. Sampling depths were typically 0 to 0.25 feet, 0.25 to 0.5 feet, and 0.5 to 1 feet below ground surface (bgs). Deeper samples or different grid dimensions may have been used depending on site features. Variations in grid dimensions, depths and/or number of composite points were defined in respective work plans. Soil samples were collected at magnetic anomalies, proposed excavation areas, from the base of excavations, at specific features noted in site records, aerial

photographs and site reconnaissance, and in support of BIP activities. Samples were also collected using systematic random sampling (using MIS) to characterize large geographic areas within the range. Typically, multiple increment soil samples were collected from a predetermined area called a decision unit following an approach outlined in Cold Regions Research and Engineering Laboratory (CRREL) TR-07-10. These decision units corresponded with the grids established for the geophysical survey of the range (see Section 4.1.2). Grab samples were typically collected at locations with visible explosives, propellant and/or burn residue and submitted for explosives and perchlorate analyses only. The circumstances and rationale for the collection of grab samples was designated in respective work plans.

Pre-BIP samples were collected from 0 to 0.25-foot depth around the UXO item combined as one sample and submitted for analysis. Post-BIP samples were collected following detonation from the bottom and sides of the BIP crater, combined and submitted for analysis.

In accordance with the *Final Revised BIP Field Sampling and Excavation Plan* (AMEC 2004), the need for further action at BIP locations was determined based on a review of post-BIP sample results. If explosives compounds were detected above the Method SW846/8330 reporting limits of 120 µg/Kg and/or if SVOC, metals and/or perchlorate results were reported at concentrations above the respective MassDEP RCS-1 values, a 5-foot by 5-foot by 1-foot area around the BIP crater was excavated.

Soil boring samples, obtained using a drill rig, were collected using stainless steel, split spoon samplers. The split spoon samplers were driven in accordance with the Standard Penetration Test (ASTM Method D1586-99) to designated sampling intervals. If required, a portion of the sample was collected for VOC analysis prior to homogenization of the soil. Sampling depths and analyses were specified at each sampling location and samples were typically collected every five to ten feet from the ground surface to the top of the water table. In general, soil borings were used to characterize the vertical extent of contamination in those areas where surface soils were contaminated or where disposal activities were believed to have occurred.

4.1.2 Geophysical Surveys and Investigations

UXO discoveries have primarily been made in conjunction with ordnance clearance conducted in support of intrusive drilling, surface and subsurface soil sampling, and ground-based geophysical surveys. An initial ground-based geophysical survey was conducted at the J-3 Range in 2001. The J-3 Range geophysical investigation area was developed by review of existing information, analysis of aerial photos, and site visits. Nine separate areas were identified for investigation in the J-3 Range totaling approximately 10 acres.

The goal of the geophysical investigation was to produce a digital geophysical record of the ground surface that might help locate potential munitions disposal pits and UXO items representing potential sources of contamination to the aquifer.

Site preparation included clearing the area of vegetation, conducting a UXO sweep, and establishing a reference grid throughout the investigation area. All UXO, UXO related materials, and debris encountered during the surface sweep were flagged and recorded on incident report

forms. Following the surface sweep of the study area, EM-61 geophysical systems were used to survey portions of the J-3 Range.

The geophysical investigations proceeded in a sequential manner. Each investigation used information collected during previous investigations to guide the next step of the process. The investigations typically focused on the anomalies with the highest potential to contain burial or disposal pits based on geophysical signals, field observations, witness interviews and accumulated site knowledge. Generally, the largest and/or most densely distributed anomalies were investigated during each phase, which resulted in smaller anomalies being investigated as the phases of investigation progressed.

Geophysical surveys and investigations were conducted at the J-3 Range as indicated in the table below.

Investigation Phase	Scope	Work Plan/Report
Air Magnetometer (AIRMAG) Surveys	Helicopter-mounted magnetometers of four large areas of JBCC, including the J-3 Range	*Draft AirMag Technology Evaluation Report* (Tetra Tech 2002a)
Munitions Survey Program (MSP) Phase I	Ground-based geophysical survey (EM-61) of AIRMAG findings	MSP1 Final Report (Tetra Tech 2003b)
MSP Phase III	Intrusive investigations of "polygons" identified in MSP Phase I as having the potential to contain burial pits or UXO items	*Munitions Survey Project Phase 3 (MSP3)* *Final J-3 Range Polygon Investigation Report* (Tetra Tech 2003a)
J-3 Range Barrage/Hillside Schonstedt Reconnaissance (MSP III) Investigation	Detailed reconnaissance and intrusive investigation of anomalies.	*Final Geophysical Survey Report J-3 Hillside Impact Area* (Tetra Tech 2003c) *Final Geophysical Survey Report J-3 Range Barrage Rocket Site* (Tetra Tech 2003d)
J-3 Range Barrage/Hillside Geophysical Investigation	Intrusive investigation of potential pit targets	*Draft J-3 Range Hillside Impact Area and Barrage Rocket Site Data Summary* (ECC 2004)
J-3 Range Access Road Clearance	Road clearance to gain access to J-3 Range	
J-3 Range Rapid Response Action	Remove contaminated soil from delineated areas of J-3 Range.	*Draft J-3 Range Demolition Area Rapid Response Action (RRA) Plan* (AMEC 2003)

Investigation Phase	Scope	Work Plan/Report
Data Gap Assessment, North of Demolition Area	Conduct a geophysical survey North of the Demolition Area and intrusively investigate 13 selected anomalies.	*Final J-3 Range North of Demolition Area Geophysical Investigation Map and Location of Intrusive Investigation Project Note* (ECC 2006a) *Standard Operating Procedure for Detector-Aided Reconnaissance and Spatial Data Collection* (ECC 2006b) *Final J-3 Range North of Demolition Area Geophysical Anomaly Investigation Technical Memorandum* (ECC 2006c)
J-3 Range Barrage Rocket Investigation	Intrusive investigation of geophysical anomalies with a 34mV or higher EM-61 signal value within the transects and two grids in the southern portion of the site. Intrusive investigations of Type C or greater anomalies in four transect extensions.	*Revised Draft J-3 Range Barrage Rocket Field Activities Project Note* (ECC 2009b) *Standard Operating Procedure for Detector-Aided Reconnaissance and Spatial Data Collection* (ECC 2006b)
J-3 Range Barrage Rocket Transect Characterization Investigation	Intrusive investigation of Type C or greater sized anomalies in Transects 4 through 21. Extended investigation between Wheelock and Chadwick Roads with six additional transects.	*Revised Draft J-3 Range Barrage Rocket Additional Characterization Investigation Project Note* (ECC 2009a)
J-3 Barrage Rocket Additional Intrusive Investigations	Intrusive investigation of all 6-inch and larger anomalies in areas between Transects 3 and 8 on north side of range road.	*Draft J-3 Range Barrage Rocket Follow-up Intrusive Investigation Project Note* (IAGWSP 2011)
Multiple Increment Soil Sampling	Multiple increment soil sampling in ten highest density munitions grids	*Final J-3 Range Barrage Rocket Area Sampling Project Note* (IAGWSP 2012)

Geophysical data and areas intrusively investigated are depicted graphically in characterization figures for each subarea and summarized by phase in Table 4-1.

4.2 Source Characterization Findings

This section describes the various geophysical and soil characterization activities and results, lists the various removal actions that were conducted at the Range and presents a summary of the nature and extent of contamination/UXO at the Range. To simplify the discussion, the Range has been divided into six subareas based largely on range features and the grid layout shown in Figure 4-1. These subareas will be discussed as follows:

- Area 1 – Melt/Pour Area
- Area 2 – 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area

- Area 3 – Artillery Range, Demolition Area and Explosives Storage Bunker
- Area 4 – Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area
- Area 5 – Hillside Area
- Area 6 – Barrage Area

These subareas were chosen based on historical range use, range features and the conceptual site model of the range.

Munitions items were categorized based on their explosive characteristics. The categories developed include high explosive (HE), possible HE, Propellant/Energetic, Small Quantity Energetic, and Inert. Munitions items that were classified as HE were positively identified as HE (e.g., lot number or post-BIP results indicative of High Explosives). Items that were classified as "possible HE" were munitions items that were presumed to contain HE on initial discovery and were either disposed in the Contained Detonation Chamber (CDC) or BIP, where the actual presence of the HE was not conclusively established or was not recorded. Items classified as Propellant/Energetic include raw propellant, chunk explosives or bulk explosives. Items classified as Small Quantity Energetic were MEC items that contained small amounts of energetic materials in one or more components (fuzes, detonators, and spotting charges). Items classified as inert were munitions items that were presumed to be HE on initial discovery but post-BIP or CDC results indicated that the item was inert.

4.2.1 Area 1 Melt/Pour Area

The Melt Pour Area is located in the southernmost portion of the J-3 Range (Figure 4-1). The Melt/Pour building and associated features including an above-ground storage tank, a wastewater holding tank, a septic tank, and a stand-alone latrine were decontaminated, demolished, and disposed of by Textron in 2003. A suspected wastewater discharge area was also investigated and sampled (Figure 4-2).

Soil sampling was generally focused on the Melt/Pour building features discussed above (ECC 2006d). A description of each of these features was previously presented in Section 2.2. The J-3 Range Area 1 soil data set represents site investigations conducted since 1997. A total of 278 soil samples were collected from 116 locations within this portion of the range, including samples collected during the Textron decommissioning effort at the J-3 Range. In most cases, samples were collected from multiple depths at each location, resulting in a larger number of samples than actual sample locations. Additional details about soil samples collected around each feature within this subarea are discussed below and presented in Table 4-2. Table 4-3 summarizes analytical detections in soil that has already been excavated during various intrusive investigations, removal actions, or in conjunction with BIP activities. Table 4-4 summarizes analytical detections for all soil samples, which represent current in-situ site conditions. The complete database for all soil analytical results is included in Appendix D. Soil sample locations as well as locations and descriptions of MEC items identified in the field are depicted on Figure 4-2. Figure 4-3 presents excavated areas and Figure 4-4 depicts current site conditions, and includes chemical results boxes for samples with remaining explosives compounds or perchlorate detections.

4.2.1.1 Area 1 Findings

Melt/Pour Facility Area

The Melt/Pour Facility was reportedly used for the preparation of various munitions items that were tested at the J-3 Range. A listing of sample locations, depths, and analyses associated with the Melt/ Pour Study Area is presented in Table 4-1.

A total of 278 composite and discrete samples were collected from 116 sample locations within the Melt/Pour Area from August 2000 through May 2004. This includes the Textron sampling conducted in 2003 as part of the Melt Pour decommissioning effort. Composite samples were collected from three depths (0 to 0.25 feet, 0.25 to 0.5 feet, and 0.5 to 1 feet bgs) at most locations. Samples collected for VOC analysis were discrete samples. Explosives were detected at 35 locations, with elevated detections associated with the former Melt/Pour structure, the septic tank, the wastewater holding tank and the wastewater discharge area (Figure 4-2). HMX was the primary explosive detected in these areas, with the highest detection of HMX of 1,400,000 µg/Kg at sample location SS102VD. Other explosives detected along with their maximum concentration included RDX (2,000 µg/Kg at SSJ3MP017), TNT (57,000 µg/Kg at sample location SSJ3MP017), 2A-DNT (300 µg/Kg at SS102VD) and 4A-DNT (1,400 µg/Kg at sample location SS102VA).

The Melt/Pour Area has been identified as one of two sources of the J-3 Range groundwater plume, and was targeted for excavation during the soil RRA conducted from 2004 through 2006. The RRA activities focused on areas within the Melt/Pour Area with the highest levels of explosives in soil (Figure 4-3). A total of approximately 1,146 cubic yards of soil was excavated from the Melt/Pour Area and treated in an on-site thermal treatment unit. Confirmatory samples indicated no detectable concentrations of explosives compounds remained within the RRA excavation footprint (Figure 4-4).

Soils associated with location SS102VF (2,4-DNT at 830 µg/Kg and 2,6-DNT at 52J µg/Kg) and location SS102YM (2-nitrotoluene at 160 µg/Kg) were outside of the excavation area and remain in place. It is noted that sample collected from SS102VF was non-detect for both 2,4-DNT and 2,6-DNT under EPA Method 8330 for explosives. These detections have been evaluated as part of the risk screening (Section 7.0).

J-3 Range Soil Removal

Prior to excavation, a UXO clearance was conducted within the general limits of the Melt/Pour facility to allow the use of mechanical equipment. In September 2007, a photo aerial assessment was conducted in the area of the Melt/Pour Facility. Four locations (J-3 Mound, J-3 Type ‘C’, J-3 Type ‘E’, and J-3 Mound Access Rd) were identified in Area 1 from site reconnaissance and historical aerial photo reviews. One MEC item was discovered at the Type ‘E’ location and consisted of an M9 Rifle Grenade HEAT that was BIP. The same munition type was discovered along the Access Road to the J-3 Mound and was also BIP. Both items were determined to contain high explosives. Several MD items, including empty projectiles and mortars, were found in the J-3 Mound and J-3 Type ‘E’ locations and are listed in Table 1 of the Munitions Source Assessment. In 2012, five 2.36-inch rockets were discovered outside of the

boundaries of Area 1. All five items were BIP and determined to contain high explosives (Appendix E).

Area 1 BIP Samples

A total of 26 samples were collected from 5 locations (SSJ3MTP001, SSJ3MTP002, SSJ3S001, SSJ3S002, and SSJ3S003) associated with BIP activities in Area 1 (Figure 4-2). BIP sample locations, sample identification, collection date, sample depths, and laboratory analyses associated with this area of the range are listed in Table 4-2. A pre- and post-BIP sample collected at location SSJ3S002 had a detection of perchlorate at 0.34 µg/Kg and 0.27 µg/Kg respectively. The post-BIP sample at location SSJ3S003 had a detection of 2,4-DNT at 180 µg/Kg. These detections were below the BIP excavation criteria and, therefore, remain in place. The soils associated with these locations are evaluated in the risk screening (Section 7.0).

4.2.1.2 Area 1 Source Characterization Conclusions

Approximately 1,146 cubic yards of explosives-contaminated soils were excavated from the area during the 2004 RRA and thermally treated on site. Subareas excavated were located at the following: septic tank; suspected wastewater discharge, area west of wastewater holding tank; melt/pour building; area east of melt/pour building; and area east of septic tank.

The conceptual site model of munitions use in J-3 Range, Area 1 was developed from range characteristics, range records, review of aerial photographs, and intrusive investigation finds. The development of the conceptual site model is presented in Appendix E. The available information supports that Area 1 was primarily used by Textron for the warhead loading and pressing with explosives mixtures. Due to the activities conducted in this building explosives were deposited in the septic system and underground holding tank, and immediately around and in the vicinity of the building due to deposition from the roof exhaust vent and downspout, and direct wastewater discharge. The primary explosive mixture used was Octol, a mixture of TNT and HMX. The small arms ammunition, barrage rockets, and 2.36-inch rockets discovered in the southern portion of Area 1 are presumed to be related to the military training that took place prior to development of the J-3 Range as a contractor operated range. Additional single items containing HE or small quantity energetics could remain.

4.2.2 Area 2 - 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area

The 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area is located in the southeastern portion of the J-3 Range (Figure 4-1).

The following site features are, or were, formerly located within this subarea:

- 20mm/30mm Firing Range and Building
- Workshop Building including drywells, water wells, and septic tank
- Burn Kettle/Conex Area including former flammable storage shed

Textron has conducted the majority of the investigations in Area 2 including soil removal and building demolition activities as part of their decommissioning effort associated with the J-3 Range. In addition, an MSP III investigation was conducted in the Burn Kettle/Conex Area as

well as the 20mm/30mm Firing Range. This investigation included a UXO surface clearance, vegetation clearance, ground-based geophysical survey, and intrusive investigations at select geophysical anomaly locations.

Soil sampling was generally focused on the features listed above. A description of each of these features was previously presented in Section 2.2. The J-3 Range Area 2 soil data set represents site investigations conducted from November 2000 through November 2012. A total of 141 soil samples were collected from 28 locations within this portion of the range. In most cases, samples were collected from multiple depths at each location resulting in a larger number of samples than actual sample locations. Additional details about soil samples collected around each feature within this subarea are discussed below and presented in Table 4-5. Table 4-6A-B summarizes analytical detections for all soil samples, which represent current site conditions. Soil sample locations, as well as locations and descriptions of MEC items identified in the field, are depicted in Figure 4-5. Figure 4-6 depicts current site conditions and includes chemical results boxes for samples with explosives or perchlorate detections. The complete analytical data set for all soil results is included in Appendix D.

4.2.2.1 Area 2 Findings

Composite soil samples were collected from 17 locations. Locations SS102DA through SS102DC; SS102EB, SS102ED, SS102EE and SS15014-A were collected from the 20mm/30mm Firing Range and locations SS102VK SS102VL SS15015-A through SS15021-A; and SS15115-A were collected from the Burn Kettle/Conex Area (Figure 4-5). Elevated concentrations of explosives were detected in one composite soil sample (SS102DA) collected from the 20mm/30mm Firing Range (100 foot). Explosives detections at location SS102DA included 2,4-DNT at 620 µg/Kg (via Method SW8330) and 470 µg/Kg (via Method SW8270); and nitroglycerin at 11,000J µg/Kg.

Discrete soil samples were collected from 13 locations. Locations SS102C1 through SS102C3; SS102DA; SS102EA through SS102EC were collected from the 20mm/30mm Firing Range and locations SS102VK; SS102VL; SS102W1; SS102W2; SS15020-A; and SS15021-A were collected from the Burn Kettle/Conex Area. Elevated concentrations of explosives were detected in two discrete samples. HMX was detected in location SS102C1 at 1,300 µg/Kg and 2,4-DNT and nitroglycerin were detected in location SS102EB at 150J µg/Kg and 2,700J µg/Kg, respectively.

Soil samples were collected at location BH-40 in the 20mm/30mm Firing Range area where a borehole was advanced and samples collected from 4 to 5 feet bgs and 9 to 10 feet bgs. The samples were representative of the soils below Drywell 2 (NW). Explosives were not detected in either sample. Low levels of SVOCs and metals were detected in both samples.

All detected analytes in Area 2 remain in place and are evaluated in the risk screening (Section 7.0).

4.2.2.2 Area 2 Geophysical Investigations/Findings

Geophysical investigations within Area 2 consisted of MSP III Polygons as well as soil removal and building/structure removal by Textron as part of their decommissioning effort in the J-3 Range.

Three polygons (Polygons J3-P1 through J3-P3) were investigated at the Burn Kettle/Conex Area (Figure 4-5). The burn kettle was a partially buried steel buoy used to burn excess propellant and munitions items. The area also included a shed where gasoline was stored and steel CONEXs were used to store munitions prior to 1977. No MEC items were encountered at any of these three polygons. Intrusive investigations identified scrap items and a burial pit containing 97 expended 20mm cartridge cases. One polygon (Polygon J3-P46, also identified as Polygon 13) located at the backstop for the 20mm/30mm Firing Range was also identified, but not investigated in the 2002 polygon investigation. A small shed to the south of the area housed a 20mm gun that fired projectiles into the earthen backstop berm. Several subsurface anomalies were identified as concrete pads and there was a steel plate on the surface.

Textron activities associated with their decommissioning effort at the J-3 Range are described in the *Summary Report Melt-Pour and Explosive Storage Bunker Building Decontamination, Drywell, and Septic Tank Removal, Soil Delineation, and Building Demolition J-3 Range* (MACTEC 2004). No MEC items were encountered during the UXO clearance and support activities associated with the two drywells and the septic tank. During the Textron building demolition phase in 2008, three MEC items were discovered during access clearance in Area 2 (Figure 4-5). Two items, one 60mm mortar with suspect live fuze (SSJ302) and one suspect 3.5-inch Rocket (SSJ303) were BIP along the access road flanking the northern limits of Area 2. The mortar had a live fuze (small quantity energetics) and the rocket contained high explosives based on post-demolition results. The third MEC item was a 2.36-inch rocket with suspect fuze (SSJ301) found behind Drywell #1. Post-demolition results indicate that the fuze was live (small quantity energetics). Within the Conex area, three large anomalies were investigated and found to contain (from north to south) a concrete block, wood debris from a rotted picnic table and base, and a truck frame (MACTEC 2009). These anomalies are labeled “range-related debris” in Figure 4-5.

4.2.2.3 Area 2 BIP-Related Sampling

A total of 14 samples were collected from three locations (SSJ301, SSJ302, and SSJ303) associated with BIP activities in this portion of the J-3 Range. All three items were discovered in support of Textron’s decommissioning activities. Elevated concentrations of explosives compounds were detected at location SSJ303 only. 2,4-DNT, 2-amino-4,6-DNT, and 4-amino-2,6-DNT were detected in the pre-BIP sample at 48 µg/Kg, 44 µg/Kg, and 39 µg/Kg, respectively. Post-BIP results at SSJ303 had elevated concentrations of 2,4-DNT at 32J µg/Kg (via Method SW8270C) and 41 µg/Kg (via Method SW8330); 2-amino-4,6-DNT at 110 µg/Kg; and 4-amino-2,6-DNT at 81 µg/Kg. These detections were below the BIP excavation criteria and, therefore, remain in place.

4.2.2.4 Area 2 Source Characterization Conclusions

A total of three cubic yards of soils was excavated from the two drywells associated with Textron's decommissioning activities. Detections that were not excavated are evaluated in the risk screening.

The conceptual site model of munitions use in J-3 Range Area 2 was developed from range characteristics, range records, review of aerial photographs, and intrusive investigation finds. The development of the conceptual site models is presented in Appendix E. The available information suggests that Area 2 is comprised of former administration and storage buildings and a short range firing point for 20mm and 30mm projectiles (though no projectiles were recovered during investigations). The three MEC items encountered could have been the result of errant shots or most likely discarded military munitions. Based on the results of the investigations and known past usage of this portion of the range, it is not likely that significant numbers of additional MEC items would be found in Area 2.

4.2.3 Area 3 – Artillery Range, Demolition Area, Explosive Storage Bunker Area

The Artillery Range, Demolition Area, and Explosive Storage Bunker Area are located in the southern central portion of the J-3 Range (Figure 4-1). The following specific site features are or were formerly located within Area 3:

- Minuteman Missile Shroud Test Pad
- Ricochet Trough Area
- Giant Patriot Test Area
- Drum Disposal Area
- Former Flightline Firing Position and X-Ray Building
- Concrete Firing Points Pad and Drop Tower
- Former M550 Launch House and Target Walls
- Explosive Storage Bunker Area

In addition, the following geophysical investigations were conducted:

- MSP Polygons – The overall objective of the MSP Polygon investigation was to identify sites where munitions and other materials were disposed of, through burial and other means.
- North of the Demolition Area – An EM-61 survey and additional intrusive investigations were conducted on anomalies that exhibited geophysical characteristics similar to a burial pit. Quality control geophysical surveys were also conducted to confirm anomaly removals.

Soil sampling was generally focused on the features listed above. A description of each of these features was previously presented in Section 2.2. The J-3 Range Area 3 soil data set represents site investigations conducted from September 2000 through November 2012. A total of 654 soil samples were collected from 173 locations within this portion of the range. In most cases, samples were collected from multiple depths at each location, resulting in a larger number of samples than actual sample locations. Additional details about soil samples collected around each feature within this subarea are discussed below and presented in Table 4-7. Table 4-8

summarizes analytical detections in soil that has already been excavated during various intrusive investigations, removal actions, or in conjunction with BIP activities. Table 4-9 summarizes analytical detections for all soil samples that represent current in-situ site conditions. Soil sample locations as well as locations and descriptions of MEC items identified in the field are depicted on Figure 4-7 along with areas excavated during RRA activities. Figure 4-8 depicts current site conditions, and includes chemical results boxes for samples with explosives compounds or perchlorate detections. The complete analytical data set for all soil results is included in Appendix D.

4.2.3.1 Area 3 Findings

Minuteman Missile Test Shroud

The Minuteman Missile Shroud Test Pad is located on the northern limits of Area 3 (Figure 4-7). This pad was identified in the field based on the interviews of former range personnel. The large pad was constructed with concrete and was removed by Textron in 2008 as part of their decommissioning activities at J-3 Range.

No MEC items were found around the elevated pad. A total of 14 composite samples were collected from six sample locations (SS15038-A through SS15043-A) (Figure 4-7). No explosives or perchlorate were detected in samples collected from these six locations. Low levels of metals were detected in the soil samples and are evaluated in the risk screening (Section 7.0).

In June and July 2008, the concrete slabs in the shroud test area were removed for off-base recycling. The concrete was broken up into 2-foot pieces using an excavator with a ram-hoe and the reinforcing steel removed using cutting torches. The concrete and steel were loaded into separate debris containers for off-base recycling. Following the removal action, Frank Corp. regraded the area to match surrounding topography (MACTEC 2009).

Ricochet Trough Area

The Ricochet Trough Area is located at the northeastern portion of Area 3 in the J-3 Range (Figure 4-7). The Ricochet Trough Area was reported to have been used as a water-filled target for frangible projectiles and was located at the top of a plateau. The trough was removed in 2000 by Textron. No MEC items were discovered at this location. Discrete soil samples (SS102GA and SS102G2) were collected in 2000 and 2001 from the ricochet area after the trough removal, based on the assumption that the contents of the trough may have spilled during transport. Concentrations of 2,4-DNT and 2,6-DNT (400 µg/Kg and 32 µg/Kg respectively) were detected at SS102G2. A concentration of 2,4-DNT was detected in sample SS102G2 at 81J µg/Kg. Multiple increment soil samples were also collected in 2008 at locations SSJ3RCTDU1 and SSJ3RCTDU2 from 0 to 0.25 feet bgs and 0.75 to 1 feet bgs and analyzed for perchlorate only. Both locations and both intervals have low concentrations of perchlorate ranging from 0.29J µg/Kg to 0.56 µg/Kg via Method SW6850.

These low-level explosives and perchlorate remain in place and are evaluated in the risk screening (Section 7.0).

Giant Patriot Test Area

The Giant Patriot Test Area is located in the eastern portion of Area 3 and presumably was used for testing the Minuteman 1 Missile warhead self-destruction system (Figure 4-7). A total of 18 samples were collected from four sample locations between October 2000 and September 2008. Composite samples were collected from three depths at SS102MA. Discrete samples were also collected at SS102MA (for VOC analysis only), SS150023-A, and SS1024-A. Multiple increment samples were collected at SSJ3GPTA01 at two intervals (0 to 0.25 feet and 0.75 to 1 feet bgs). No explosives were detected in any of the soil samples. Perchlorate was detected at SSJ3GPTA01 ranging from 0.15J to 0.2J µg/Kg via Method SW6850. These low levels of perchlorate remain in place and are evaluated in the risk screen (Section 7.0). No MEC items were discovered in or around the Giant Patriot Test Area.

Drum Disposal Area

The Drum Disposal Area is located adjacent to and southeast of the Giant Patriot Test Area (Figure 4-7). The area was initially investigated by Textron in March 2002 based on a witness account. Eighteen empty, crushed drums were excavated by Textron. Soil and wipe samples of the excavation and drums respectively were collected as documented in the *Final Summary Report Removal of Crushed Drums and Precondition Sampling Activities J-3 Range* (Harding ESE 2003). The area that was investigated by Textron ultimately corresponded with MSP III Polygon #4. No MEC items were encountered during Textron's investigation.

A total of nine samples were collected from five sample locations within the Drum Disposal Area between March 2002 and September 2008. Discrete samples were collected from SS102U and SS15025-A and SS15026-A. Explosives were not detected at any of these sample locations.

In 2008, Textron conducted a soil removal and screening operation on the central portion of the Drum Disposal Area as part of their decommissioning effort at the J-3 Range. During clearance activities to support the soil removal operation, one MEC item, a 2.36-inch rocket with suspect fuze, was discovered and BIP. The item was determined to contain only a small quantity of energetic material based on the demolition results. Multiple increment post-excavation samples were collected at locations SSJ3DA01 (0 to 0.25 feet bgs and 0.75 to 1 feet bgs) and SSJ3DA02 (0 to 0.25 feet bgs) following soil removal. Explosives compounds were non-detect and perchlorate was detected at estimated levels ranging from 0.091J µg/Kg to 0.5J µg/Kg. Approximately 150 cubic yards of excavated soil was sifted using a mechanical screener. The screened soil was then stockpiled in an open area. Two waste characterization samples were collected for disposal parameters. Elevated concentrations of HMX were detected in both samples with the maximum detection at 4,800 µg/Kg. Perchlorate was not detected in either sample. The soil was transported off-site and disposed of at an approved facility.

Pre- and post-BIP soil samples (SSJ3E002) were collected from the 2.36-inch rocket location. No explosives or perchlorate were detected. The soils associated with this item remain in-place and are evaluated in the risk screening (Section 7.0).

Former Flightline Firing Position and X-Ray Building

The flightline firing position was used as a warhead test firing range from the early 1980s until 1997. Projectiles were fired at armored targets located up to 500 feet downrange. X-Ray stations and high-speed cameras were used to evaluate the projectiles in flight. No MEC items were encountered in this subarea.

Composite soil samples were collected at locations SS102LA, SS102LB, and SS102LD in September 2000. SS102LC was collected in May 2001. Explosives were not detected at any of the four initial "L" sample locations except at SS102LC where HMX was detected at 1,800 µg/Kg. The soils associated with SS102LC were excavated during the 2004 soil removal action.

Composite soil samples were collected at three intervals (0 to 0.5 feet, 0.5 to 1 feet, and 1 to 2 feet bgs) at locations SS102LCA, SS102LCB, SS102LCC, SS102IAA, and SS102IAB. Explosives were not detected at any of the locations except at SS102IAB where 2,4-DNT was detected at 20J µg/Kg. The soils associated with this location remain in place and are evaluated in the risk screening (Section 7.0).

In November 2003, one borehole, BH-51A, was advanced near the flightline. A soil sample was collected at 2, 4, and 6 feet bgs. No explosives or perchlorate were detected at any sampled interval. In June 2004, five composite soil samples (SS102YD through SS102YH) were collected near the end of the flightline. No explosives or perchlorate were detected at any of the sample locations and the residual analytes are evaluated in the risk screening (Section 7.0).

Two composite soil samples were collected to the south of the Flightline. SS15022-A was collected from 1.5 to 2 feet bgs and SS15027-A was collected from 0 to 0.5 feet and 1.5 to 2 feet bgs. No explosives or perchlorate were detected at either location.

In addition, soil sample SSJ3DM013, located to the South of the Detonation Area, was collected as a post-excavation sample during the soil removal operation in 2004. The sample was analyzed for perchlorate and explosives. Neither of the analytes was detected. An empty, crushed drum was also discovered outside the footprint of the South of the Detonation Area excavation. A discrete soil sample was collected below the drum as well as a composite sample of the soil stockpile. No explosives were detected and the stockpile soil samples are evaluated in the risk screening (Section 7.0).

Concrete Firing Point Pads and Drop Tower

The Concrete Firing Point Pads and Drop Tower are located in the southwest portion of Area 3. The concrete pads had guns mounted and aimed north towards the Target Walls. The Drop Tower was used to test whether munitions' packaging could withstand drops without detonating. Composite soil samples were collected at locations SS102IA through SS102IO. Sample locations SS102IO, SS102IL, SS102II are located directly behind the Firing Point Pads. Sample locations SS102IN, SS102IK, and SS102IH are located adjacent to the pads and sample locations 102IM, 102IJ, and 102IG are located between the Firing Point Pads and the Target Wall. Explosives were not detected in any of these "I" locations. A discrete soil sample was also collected at sample location SS102G1 and analyzed for explosives, metals, and SVOCs. No

explosives were detected at this discrete sample location. In October 2003, a composite soil sample was collected at SS15028-A which was the location of the presumed Launch Pad (Figure 4-7). No explosives or perchlorate were detected at either interval.

Three MEC items were found in the immediate vicinity of the Firing Point Pads and Drop Tower between 2003 and 2006. MEC items consisted of one 60mm mortar and one 2.36-inch rocket, which were BIP and both were determined to contain high explosives. One 81mm mortar was disposed in the CDC and determined to contain a small quantity of energetic material.

Former M550 Launch House and Target Walls

The Former M550 Launch House and Target Walls are located within the limits of the Demolition Area in the central portion of Area 3 (Figure 4-7). The concrete target walls were used as targets for munitions fired from concrete pad firing points located to the south. The Former M550 Launch House was located atop the east end of Target Wall #1. A former detonation pit and burn area was located on the northern side of Target Wall #1. A former burn box was located on a concrete pad north of the gap between Target Walls #1 and #2 and was removed by Textron in 1999.

In October 2000, discrete soil samples were collected at location SS102NA and SS102NB. No explosives were detected in the samples. In May 2002, these locations were re-sampled for perchlorate. Perchlorate was detected at location SS102NA at 2.9J µg/Kg. The soil associated with this sample location was excavated and thermally treated during the 2004 soil removal action. Concentrations of 2,4-DNT and perchlorate (81J µg/Kg and 9.68 µg/Kg, respectively) were detected at location SS102NB. The soils associated with this sample location remain in-place and are evaluated in the risk screening (Section 7.0).

In November 2000, two boreholes (BH-19 and BH-20) were advanced just north of Target Wall #1. No explosives were detected in any of the intervals at either location. In August 2002, a third borehole (BH-39) was advanced adjacent to BH-19 and BH-20 and analyzed for perchlorate and dyes. Neither analyte was detected in any of the intervals at BH-39.

A total of 36 composite soil samples were collected at locations SS102UA through SS102UI in October 2001 to support the Target Wall characterization. Elevated levels of RDX were detected at sample locations SS102UC and SS102UG (420 µg/Kg and 4,500 µg/Kg respectively). The soils associated with these two sample locations were excavated and thermally treated during the soil RRA in 2004. In addition, a concentration of tetryl (140 µg/Kg) was detected at location SS102UH. The soils associated with this location remain in place and are evaluated in the risk screening (Section 7.0).

In addition, discrete soil samples at locations SS102N1 and SS102N2 were collected in October 2001 to support characterization between the Detonation Pit and the Target Wall #1. No explosives were detected at these two locations.

A total of nine composite soil samples were also collected in October 2001 from locations SS102PC, SS102PD, and SS102PE to support the burn box characterization. 2,4-DNT (74J µg/Kg) was detected location SS102PE. The soils associated with this sample remain

in-place and are evaluated in the risk screening (Section 7.0). HMX (140 µg/Kg) was detected at location SS102PC. The soils associated with this sample location were removed as part of the 2004 soil RRA.

In May 2002, 12 composite soil samples were collected from locations SS102NAA, SS102NAB, and SS102NBA. No explosives were detected in any of the samples. Concentrations of perchlorate were detected at locations SS102NAB (ranging from 16.3 µg/Kg to 234 µg/Kg) and at SS102NBA (9.49 µg/Kg). Soil at these locations was removed during the soil RRA conducted in 2004.

Between October and November 2003, a total of 57 composite soil samples were collected from locations SS15029-A to -C, SS15030-A to -E, SS15031-A to –E and at SS15032-A, SS15033-A, SS15034-A, SS15035-A, and SS15036-A. A concentration of perchlorate (1.7J µg/Kg) was detected at sample location SS15029-C and concentrations of explosives were detected at locations SS15032-A (HMX at 580 µg/Kg), SS15033-A (RDX at 1300 µg/Kg; HMX at 26,000 µg/Kg) and SS15034-A (HMX at 5,300 µg/Kg). Soils associated with these three sample locations were excavated during the 2004 soil RRA at the J-3 Range. A concentration of HMX (25,000 µg/Kg) was also detected at location SS15030-E. This soil remains in-place and is evaluated in the risk screening (Section 7.0). Discrete soil samples were also collected at locations SS15029-D and -E. No explosives or perchlorate were detected at these two sample locations.

A total of 18 composite soil samples were also collected from locations SS15044-A through SS15052-A in October 2003. No explosives or perchlorate were detected at these locations with the exception of location SS15050-A, where 2,4-DNT was detected at 86J µg/Kg, and remains in place.

In June 2004, discrete soil samples were collected at locations SS102Y, SS102YA, SS102YB, SS102YC, SS102Z, SS102ZA, SS102ZB, and SS102ZC as part of the Minuteman 1 Target Area characterization. No explosives or perchlorate were detected at these eight locations.

During the 2004 soil RRA, excavations were conducted in five separate subareas within the confines of the M550 Launch House and Target Walls area. Post-excavation composite soil samples were collected at locations SSJ3DM001 through SSJ3DM012. No explosives or perchlorate were detected in the final post-excavation soil samples. The soil removal action and the sample results are further discussed in Section 5.0. In addition, a burn pit was discovered in grid C6. A soil sample (ECCBPJ301) was collected for explosives, perchlorate, metals, SVOCs, and dioxins. Based on the analytical results, soil was removed to 8 feet bgs. A final post-excavation soil sample was collected for explosives from 8 to 8.25 feet bgs. RDX was detected at 340 µg/Kg. This soil remains in place and is evaluated in the risk screening (Section 7.0).

Explosive Storage Bunker Area

The Explosive Storage Bunker Area is located on the western edge of Area 3 (Figure 4-7). Four ammunition storage bunkers identified as Buildings J3-5, J3-5A, J3-5B, and J3-5C were sampled, decontaminated, and removed by Textron as part of their decommissioning effort at the J-3 Range. The activities associated with the Explosive Storage Bunkers are described in

the *Summary Report Melt-Pour and Explosives Storage Bunker Decontamination, Drywell and Septic Tank Removal, Soil Delineation, and Building Demolition J-3 Range* (MACTEC 2004). No other soil samples were collected in this general area and no MEC items were discovered within the fenced bunker area.

4.2.3.2 Area 3 Geophysical Investigation/Findings

Geophysical investigations within Area 3 consisted of MSP III Polygons, Ground Penetrating Radar (GPR), a EM-61 survey to the North of the Demolition Area, and two phases of building/structure removal by Textron as part of their decommissioning effort in the J-3 Range. A soil removal action was also conducted in the Demolition Area based on analytical results from extensive soil sampling and is further described in Section 5.0.

A geophysical survey of the J-3 Range was conducted in 2000 under the MSP III. One polygon (Polygon J3-P4) was selected for investigation in Area 3 based on the geophysical signature response and spatial extent (Figure 4-7). Upon investigation, it was determined that the polygon had been excavated by Textron in 2002 as part of their crushed drum removal in support their decommissioning activities at the J-3 Range. The polygon was checked with magnetometers and no additional investigation was required.

In 2004, Textron removed the concrete Target Walls in the Demolition Area in order to facilitate a soil removal operation by the IAGWSP. UXO technicians used magnetometers to sweep the work area footprint prior to demolition of the walls.

In 2004, an intrusive investigation of three GPR anomalies was conducted in the Demolition Area near the Target Walls. The anomalies were elected based on an earlier GPR survey that was conducted as part of a technology demonstration. A small munitions debris burial pit was discovered consisting of remnants of 40mm projectiles and fuzes adjacent to a blast mat. A composite soil sample (SSJ340MMPIT) was collected from the base of excavation (2 to 2.5 feet bgs) as well as from the excavated soil stockpile and analyzed for explosives, metals, perchlorate, and SVOCs. No explosives or perchlorate were detected in either sample and the soil was backfilled in the original excavation. No other anomalies were discovered in the remaining two GPR locations.

In 2006, an area between the Minuteman Missile Shroud Test Pad and the Demolition Area was cleared of vegetation to support an EM-61 geophysical investigation. This North of the Demolition Area was surface cleared of metallic items before conducting a geophysical survey (Figure 4-7). One suspect 40mm grenade was discovered on the surface in Grid D5 and BIP (SSJ3D5001). Concentrations of perchlorate (14.9 µg/Kg), TNT (38 µg/Kg), 2,4-DNT (22 µg/Kg), and RDX (93 µg/Kg) were detected in the pre-BIP soil sample. Concentrations of perchlorate (3.3 µg/Kg) and RDX (40 µg/Kg) were detected in the post-BIP sample. The soil remains in place and is evaluated in the risk screening (Section 7.0). In addition, an empty crushed drum was discovered in Grid D5. A discrete soil sample was collected under the drum and analyzed for explosives and perchlorate. Neither of these analytes was detected in the sample.

Prior to intrusive investigation at the North of Demolition Area, six locations (SSJ3NDA01 through SSJ3NDA06) were sampled, representing dig locations 3, 7, 2, 6, 5, and 10, respectively.

No explosives or perchlorate was detected at any of the sample locations with the exception of SSJ3NDA02 at the 0.5 to 1 feet interval where TNT was detected at 670 µg/Kg. A fourth interval was collected from 1 to 1.5 feet bgs at this location for explosives. No explosives were detected and the soil associated with this location was excavated and disposed off-site at an approved facility.

Thirteen geophysical anomalies (Locations 1 through 13) at the North of Demolition Area were selected to be investigated based on geophysical signature response and spatial extent. One MEC burial pit (J3-D6-BLP-001) was discovered at Location 5 in Grid D6. One hundred eighty-five fuzes, 183 initiators, 78 0.50 caliber Ball cartridges, four blasting caps, 17 cartridges, and 79 fuze components were discovered in the burial pit, disposed in the CDC, and determined to contain small quantities of energetics. Five suspect M95 20mm projectiles and four M56A3/M56A4 20mm projectiles were encountered in the burial pit, disposed in the CDC, and were considered to contain high explosives. Lastly, one propellant cartridge for a 20mm projectile and five grains of rocket propellant were discovered as well, disposed in the CDC, and considered to contain propellant/energetics. A discrete soil sample (SSJ3D6004) was collected under the propellant and analyzed for explosives and perchlorate. Elevated concentrations of RDX (920 µg/Kg), HMX (350 µg/Kg), nitroglycerin (3200 µg/Kg) and perchlorate (0.64J µg/Kg) were detected. The soil associated with SSJ3D6004 was combined with the burial pit soils. A confirmatory composite soil sample (J3D6-BLP-001 (PE)) was collected from the base of the burial pit. No explosives or perchlorate were detected. A composite soil sample was collected from the stockpile (J3D6-BLP-001 (stp)) for disposal parameters. Concentrations of perchlorate (0.45J µg/Kg) and HMX (270 µg/Kg) were detected. Soil associated with the burial pit was transported off-site and disposed at an approved facility. One MEC item, a suspect M71 90mm projectile, was discovered at Location 9 and BIP (SSJ3D5002). The item contained high explosives based on demolition results. In addition, one suspect 81mm mortar, M43, was discovered in an access path cleared to gain access to the central portion of the investigation area. The mortar was BIP (SSJ3E6001) and determined to contain high explosives based on demolition results.

A detailed description of the items discovered during these geophysical investigations is in Appendix E.

In 2008, Textron removed the elevated concrete slab at the Minuteman Missile Shroud Test Pad as well as the Flightline, Instrument Trailer, Gas Gun, Explosive Storage Bunkers, and other concrete structures and utility corridors. UXO technicians used magnetometers to gain access to the structures during demolition activities. No MEC items were encountered during these field activities.

Area 3 Other MEC Items Discovered

In support of the various field investigations conducted in the J-3 Range, the range road was UXO cleared in 2003. Four MEC items, consisting of a 60mm mortar, a 20mm projectile, a 3-inch Stokes mortar, and a 2.36-inch rocket were discovered during the clearance. All of the items were transported to the CDC. The first two were determined to contain high explosives and the other two were inert. Additionally, two 81mm mortars, one 40mm practice grenade, and one 40mm HE grenade were discovered and BIP. All but the practice grenade were found to

contain high explosives. Munitions debris and range related debris were discovered during the clearance and re-grading of the range road within the limits of Area 3.

Several MEC items were discovered during UXO clearance of the sixteen 100-foot by 100-foot grids established in support of the soil removal operation conducted in 2004. The following items were found and are further discussed in Appendix E:

- In grid A5, one M49 60mm mortar was BIP and determined to contain high explosives;
- In grid B5, one 81mm mortar was BIP and determined to contain a small quantity of energetics;
- In grid B6, one M49 60mm mortar, HE was BIP and determined to contain high explosives;
- In grid B7, one M6 2.36-inch rocket, HEAT, was disposed in the CDC and determined to contain a small quantity of energetics, one 40mm rifle grenade, HE, was BIP and determined to contain high explosives, one M78 fuze was disposed in the CDC and determined to contain a small quantity energetics, and three M6 2.36-inch rockets, HEAT were BIP and determined to contain high explosives;
- In grid C5, one MK1 3-inch Stokes mortar was disposed in the CDC and determined to contain a small quantity of energetics;
- In grid C6, four M301 81mm mortars were disposed in the CDC and determined to contain small quantities of energetics;
- In grid C7, one M49 60mm mortar was disposed in the CDC and determined to contain high explosives and one M6 2.36-inch rocket warhead was disposed in the CDC and determined to contain a small quantity of energetics;
- In grid D6, a burial pit was discovered. 1,132 M56A3/M56A4 20mm projectiles were disposed in the CDC and determined to contain high explosives.

4.2.3.3 Area 3 BIP-Related Sampling

A total of 158 samples were collected from 29 BIP locations associated with field investigations and soil removal actions between 2003 and 2007 in this portion of the J-3 Range. BIP sample locations, sample identification, collection date, sample depths and laboratory analyses associated with this subarea are identified in Table 4-7. There were no elevated concentrations of explosives or perchlorate at sample locations SS15096-A, SS15201-A, SS15204-A, SS15205-A, SS15214-A, and SS15215-A. Elevated concentrations of explosives and/or perchlorate were detected at BIP locations SS15094-A, SS15095-A, SS15206-A, SS338-A, and SSJ3C7003. The soils associated with these BIP locations were excavated under the BIP management program.

Concentrations of explosives below the BIP excavation criteria were detected at 10 BIP locations. TNT was detected in the pre- and post-BIP samples (39 µg/Kg and 180 µg/Kg, respectively) at location SS15098-A. 2-amino-4,6-DNT was detected in the pre- and post-BIP samples (15 µg/Kg and 15 µg/Kg, respectively) at location SS15202-A. At location SS15203-A, 2,4-DNT (31 µg/Kg) was detected in the pre-BIP sample while RDX (13 µg/Kg); 4-amino-2,6-

DNT (36 µg/Kg); 2-amino-4,6-DNT (40 µg/Kg); and TNT (32 µg/Kg) were detected in the post-BIP sample. TNT (14 µg/Kg) was detected in the post-BIP sample at location SS15207-A. Perchlorate (33 µg/Kg and 5.3 µg/Kg) was detected in the pre-BIP sample only at locations SS15213-A and SSJ3C7004 respectively. A concentration of tetryl (45 µg/Kg) was detected in the post-BIP sample at location SS15216-A. Concentrations of TNT (41 µg/Kg); 2,4-DNT (21 µg/Kg); 2-amino-4,6-DNT (37 µg/Kg); and 4-amino-2,6-DNT (34 µg/Kg) were detected in the post-BIP sample at location SSJ3E6001. Low concentrations of explosives were also detected in the supplemental BIP samples collected at locations SS15206-A and SSJ3E6001. The soils associated with these BIP samples were below the BIP excavation criteria and therefore remain in place (Figure 4-8). Table 4-9 summarizes the detections of explosives/perchlorate in soil that remain in place. Remaining detections are evaluated in the risk screening (Section 7.0).

4.2.3.4 Area 3 Source Characterization Conclusions

A total of 1,085 cubic yards of soils was excavated from the Demolition Area during the 2004 soil RRA and thermally treated on-site. In addition, approximately 150 cubic yards of soil were removed during Textron's 2008 investigation activities at the Drum Disposal Area. There are low concentrations of explosives remaining on-site. These detections are further evaluated in the risk screening (Section 7.0).

The conceptual site model of munitions use in J-3 Range, Area 3 was developed from range characteristics, range records, review of aerial photographs, and intrusive investigation finds. The development of the conceptual site models is presented in Appendix E. The available information suggests that Area 3 is comprised of numerous testing areas for various munitions in support of defense contractor's activities. A significant reduction in overall MEC has been achieved through various intrusive investigation and soil removal actions. Some of the MEC items encountered could be attributable to training associated with Former H Range (located to the southeast of J-3 Range), which preceded contractor activities at the J-3 Range. The highest percentage of MEC items were located in burial pits, discovered during numerous investigations. Single MEC items were also discovered on the range between investigation areas. It is possible that fragmentation, metallic debris, or individual intact munitions, both inert and HE, remain as isolated occurrences in Area 3. Residual, single MEC items are likely to be 20mm projectiles, 40mm projectiles, 60mm mortars, 81mm mortars, 3-inch Stokes mortars, and/or 2.36-inch rockets.

4.2.4 Area 4 – Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area

The Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area, and Presumed M550 Berm Area are located in the central portion of the J-3 Range (Figure 4-9). The following specific site features are or were formerly located within Area 4:

- Ordnance Assembly/X-Ray Building
- Environmental Test/Assembly Building
- Gauntlet Area
- Presumed M550 Berm Area

In addition, eight MSP polygons were investigated in Area 4. The overall objective of the MSP Polygon investigation was to identify sites where munitions and other materials were disposed of through burial and other means.

Soil sampling was generally focused on the features listed above. A description of each of these features was previously presented in Section 2.2. The J-3 Range Area 4 soil data set represents site investigations conducted from June 2000 through September 2006. A total of 97 soil samples were collected from 32 locations within this portion of the range. In most cases, samples were collected from multiple depths at each location, resulting in a larger number of samples than actual sample locations. Additional details about soil samples collected around each feature within this subarea are discussed below and presented in Table 4-10. Table 4-11 summarizes analytical detections in soil that has already been excavated during various intrusive investigations, removal actions, or in conjunction with BIP activities. Table 4-12 summarizes analytical detections for all soil samples that represent current in-situ site conditions. Soil sample locations as well as locations and descriptions of MEC items identified in the field are depicted on Figure 4-9. Figure 4-10 depicts current site conditions, and includes chemical results boxes for samples with explosives or perchlorate detections. The complete analytical data set for all soil results is included in Appendix D.

4.2.4.1 Area 4 Findings

Ordnance Assembly/X-Ray Building

The Ordnance Assembly/X-Ray Building is located in the southern portion of Area 4 (Figure 4-9). This building was constructed in 1983 and was used for assembling munitions and ordnance systems, x-ray inspection of ordnance components and systems, mass property measurements, and developing of x-rays (USACE 1999). The building had an above ground and underground storage tank that were removed in 1991. Wastewater from the building was discharged into a septic tank and leaching field. The building was demolished by Textron in 2008 as part of their decommissioning activities at the J-3 Range. No MEC items were found around the building footprint.

Two boreholes (BH-21 and BH-22) and one monitoring well (MW-125) were advanced downgradient (south) of the building. No explosives were detected in any of the intervals at any of the three locations. The remaining detections of the other analytes are evaluated in the risk screening (Section 7.0).

Environmental Test/Assembly Building

The Environmental Test/Assembly Building is located adjacent and northeast of the Ordnance Assembly/X-Ray Building in Area 4 (Figure 4-9). The building was used to conduct environmental testing of ammunition and ordnance devices, ballistic testing of 20mm, 30mm, and 40mm projectiles, temperature conditioning of ammunition, auxiliary ordnance assembly, and range support (USACE 1999). No MEC items were discovered within the footprint of the building.

In October 2000, three composite soil samples were collected at location SS102RA. In May 2001, a discrete sample (SS102S1) was collected at a small sand pile in the location of a former

ammunition capture box and analyzed for explosives, metals, SVOCs, VOCs, and herbicides/pesticides. In 2003, a composite soil sample was collected at SS1506-A and analyzed for perchlorate only. A discrete soil sample was also collected at SS15058-A at the same time and analyzed for perchlorate only. No explosives or perchlorate were detected in these samples. Remaining detections of the other analytes are evaluated in the risk screening (Section 7.0).

Gauntlet Area

The Gauntlet Area is located in the northern portion of Area 4 (Figure 4-9). The area was used for rocket and projectile ground launch tests, skeet launches from an 80-foot tower, captive flight tests, and altimeter tests (ASR, USACE 1999). No MEC items were discovered in this area.

In September 2000, 24 composite soil samples were collected at eight locations (SS102TA through SS102TH). A discrete soil sample was collected at each location and interval for VOC analysis. No explosives were detected at any of the locations and intervals. In January 2002, six composite soil samples were collected at two locations (SS102TI and SS102TJ) which corresponded with MSP III Polygons J3-P11 and J3-P12, respectively. No explosives were detected. In October 2003, composite soil samples were collected at five locations (SS15059-A through SS15062-A and SS15013-A). No explosives or perchlorate were detected at either location. Remaining detections of all other analytes from each location are evaluated in the risk screening (Section 7.0).

Three MSP III polygons (J3-P5, J3-P11, and J3-P12) were intrusively investigated in June 2002. No MEC items were discovered at these three locations. A description of the finds is detailed in Appendix E.

Presumed M550 Berm Area

The Presumed M550 Berm Area was reported to have been used as an impact area for 40mm projectiles. A total of nine M433 40mm projectiles with suspect fuzes were discovered in Polygons J3-P6 through J3-P10. The items were BIP and determined to contain a small quantity of energetics based on the demolition results. Discrete soil samples (SS102XA and SS102XB) were collected in May 2000. No explosives were detected at either location. Composite soil samples were collected at four locations (SS15053-A through SS15056-A). No explosives were detected at any location.

4.2.4.2 Area 4 BIP-Related Sampling

A total of 17 samples were collected from three locations (SS15097-A, SS15127-A, SS15128-A) associated with BIP activities from field investigations between 2003 and 2006 in Area 4. BIP sample locations, sample identification, collection date, sample depths, and laboratory analyses associated with this subarea are identified in Table 4-10. Concentrations of explosives were detected at sample location SS15097-A where 2-amino-4,6-DNT and 4-amino-2,6-DNT were detected at 16 µg/Kg and 14 µg/Kg, respectively. These detections were below the BIP excavation criteria and remain in place. They are evaluated in the risk screening (Section 7.0). TNT was detected (200 µg/Kg) at BIP location SS15127-A. The soils associated with this BIP location were excavated under the BIP management program.

Area 4 Source Characterization Conclusions

The conceptual site model of munitions use in J-3 Range, Area 4 was developed from range characteristics, range records, review of aerial photographs, and intrusive investigation finds. The development of the conceptual site model is presented in Appendix E. The available information suggests that Area 4 is comprised of numerous testing areas for various munitions in support of defense contractor's activities. The buildings once used for testing and analyzing munitions' response were demolished by Textron in 2008 as part of their decommissioning activities at the J-3 Range. The few MEC items encountered may be related to contractor testing activities or to training associated with the Former H Range (located to the southeast of J-3 Range) which predates contractor activities in J-3 Range. The M550 fuses were tested by Textron. Based on the results of the investigations and known past usage of this portion of the range, it is unlikely that significant additional MEC items would be found in Area 4.

4.2.5 Area 5 – Hillside Study Area

The Hillside Study Area is located in the southwestern portion of the J-3 Range (Figure 4-1). The area was reportedly used as part of a training range impact area and has been investigated since 2002.

The J-3 Range Area 5 soil data set represents site investigations conducted from September 2002 through August 2006. A total of 75 soil samples were collected from 21 locations within this portion of the range. In most cases, samples were collected from multiple depths at each location, resulting in a larger number of samples than actual sample locations. Additional details about soil samples collected around each feature within this subarea are discussed below and presented in Table 4-13. Table 4-14 summarizes analytical detections in soil that has already been excavated during various intrusive investigations, removal actions, or in conjunction with BIP activities. Table 4-15 summarizes analytical detections for all soil samples that represent current in-situ site conditions. Soil sample locations as well as locations and descriptions of MEC items identified in the field are depicted on Figure 4-11. Figure 4-12 depicts current site conditions, and includes chemical results boxes for samples with explosives or perchlorate detections. The complete analytical data set for all soil results collected through 2004 is included in Appendix D.

4.2.5.1 Area 5 Findings

Under the MSP III investigation, a magnetometer-assisted survey was conducted by UXO technicians in March and April 2003. Three MEC items (two suspect M21 hand grenades and one unfuzed MK1 3-inch Stokes mortar) were transported to the CDC and determined to contain a small quantity of energetics. Based on the results of the magnetometer survey, eleven 100-foot by 100-foot grids were selected for further investigation in August 2003. The grids were cleared of vegetation and a ground-based geophysical survey was conducted. Numerous suspect 3-inch Stokes mortars were discovered during the investigation and transported to the CDC. These items were determined to be inert based on the demolition results. Other MEC items included a suspect 40mm projectile (SSA08290202) and a 60mm mortar (SS339-A) discovered on access roads to the Hillside Study Area. These items were BIP and determined to contain high explosives. An M21 hand grenade and a 60mm mortar were found adjacent to

sample location SS198DG. Both items were disposed in the CDC and determined to contain a small quantity of energetics. Lastly, a monitoring well (MW-356) was installed in 2004 at the top of the Hillside Study Area within an existing jeep trail discovered during the magnetometer survey. No MEC items were discovered during UXO clearance in support of this well installation.

Composite soil samples (and discrete VOC samples) were collected in June 2003 at 19 locations (SS198DG, SS198EG, SS198EK, SS198FG, SS198FK, SS198GE, SS198GG, SS198GK, SS198GP, SS198HG, SS198HH, SS198HL, SS198HO, SS198IH, SS198II, SS198IJ, SS198JJ, SS198JK, and SS198JO). A discrete soil sample was also collected from SS198FF. Explosives were detected at three of the 20 locations. At location SS198GP, 1,3,5-trinitrobenzene was detected at 33 µg/Kg; at location SS198HG, 1,3,5- trinitrobenzene was detected in the first two intervals at 35 µg/Kg and 22J µg/Kg respectively; and at location SS198JO, 2,4-DNT was detected at 22J µg/Kg. The soils associated with these locations remain in place and are evaluated in the risk screening (Section 7.0).

One monitoring well (MW-365) was installed in November 2004 with soil boring samples collected in three intervals from 0 to 6 inches, 1.5 to 2 feet, and 10 to 12 feet bgs and analyzed for explosives, metals, perchlorate, and SVOCs. No explosives or perchlorate were detected in any of the boring samples. Detections of the other analytes are evaluated in the risk screening (Section 7.0).

4.2.5.2 Area 5 BIP-Related Sampling

A total of 32 samples were collected from five BIP locations (SS335-A, SS339-A, SS71-A, SSA08290202, and SSA10230301) associated with field investigations in Area 5 between 2003 and 2006. BIP sample locations, sample identification, collection date, sample depths, and laboratory analyses associated with this subarea are identified in Table 4-13. Explosives were detected at sample location SS335-A where tetryl and 2-nitrotoluene were detected at 37 µg/Kg and 49J µg/Kg, respectively. Explosives were also detected in supplemental BIP samples at location SSA08290202, where 2,4-DNT and 2,6-DNT were detected at 27J µg/Kg and 14J µg/Kg respectively. These concentrations are below the BIP excavation criteria and remain in place. These detections are evaluated in the risk screening (Section 7.0). Various explosives were detected at BIP locations SS339-A and SSA08290202. Soils associated with these BIP locations were excavated under the BIP management program.

4.2.5.3 Area 5 Source Characterization Conclusions

The conceptual site model of munitions use in J-3 Range, Area 5 was developed from range characteristics, range records, review of aerial photographs, and intrusive investigation finds. The development of the conceptual site models is presented in Appendix E. The available information suggests that Area 5 is comprised of a training range impact area. The principal MEC items discovered in Area 5 included 3-inch Stokes mortars as well as a few 60mm/81mm mortars. The location of the area and the types and ages of the munitions discovered suggest that use of the area likely pre-dates the development of the J-3 Range as a munitions testing range. The few MEC items encountered are likely attributable to training associated with Former H Range (located to the southeast of J-3 Range). Based on the results of the investigations and

known past usage of this portion of the range, it is unlikely that significant additional MEC items would be found in Area 5.

4.2.6 Area 6 – Barrage Rocket Study Area

The J-3 Range Barrage Rocket Study Area is located in the northern portion of the J-3 Range, south of Wheelock Road. The Barrage Rocket Study Area is an impact area for the 4.5-inch Barrage Rocket (northern portion) and the 81mm Mortar (southern portion). Extensive field investigation activities have been performed in the Barrage Rocket Study Area. These investigations included a comprehensive detector-aided reconnaissance, vegetation clearance of support areas, UXO surface clearance, ground-based geophysical surveys, 5-point composite sampling of surface soils, multiple increment grid sampling of surface soils, and intrusive investigations at select geophysical anomaly locations.

Soil sampling was primarily related to geophysical investigation finds, general site characterization activities and BIP activities conducted in the Barrage Rocket study area between 2002 and 2012. References for these investigations were previously presented in Section 4.1.2. The J-3 Range Area 6 soil data set represents site investigations conducted from February 1997 through March 2013. A total of 455 soil samples were collected from 135 locations within this portion of the range. In most cases, samples were collected from multiple depths at each location, resulting in a larger number of samples than actual sample locations. In addition, in 2012 multiple increment soil samples were collected from ten 100-foot by 100-foot grids located in areas exhibiting the greatest density of munitions during preceding geophysical investigations. Additional details about soil samples collected within this area are discussed below and presented in Table 4-16. Table 4-17A summarizes analytical detections in soil that has already been excavated during various intrusive investigations, removal actions, or in conjunction with BIP activities (Figure 4-13). Table 4-17B summarizes analytical detections for all soil samples that represent current in-situ site conditions. The complete database for all soil analytical results is included in Appendix D. Soil sample locations as well as locations and descriptions of MEC items identified in the field are depicted on Figure 4-13. Figure 4-14 depicts current site conditions including chemical results boxes for samples with remaining explosives or perchlorate detections.

4.2.6.1 Area 6 Findings

Composite soil samples were initially collected from 28 locations (SS346-A through SS373-A) in the J-3 Range Barrage Rocket Study Area. Fifteen of these samples were non-detect for explosives and perchlorate. Perchlorate was detected at locations SS357-A (3.1J µg/Kg), SS361-A (4.0J µg/Kg and 510 µg/Kg), and SS371-A (3.6J µg/Kg). Barrage rockets did not contain RDX. TNT was identified at location SS362-A (290 µg/Kg by Method SW8330). 2-Amino-4,6-DNT was detected at SS358-A (190J µg/Kg) and SS362-A (180J µg/Kg). 2,4-DNT was detected at locations SS362-A (460 µg/Kg by Method SW8270C and 300 µg/Kg by Method SW8330), and SS368-A (190J µg/Kg). Concentrations of nitroglycerin ranged from 2,600 µg/Kg to 33,000 µg/Kg with the highest concentration found at location SS348-A. Ten multiple increment soil samples were collected in 2012 from grids in areas of the greatest munitions density (LOCIDs SSJ3BRSG01 through SSJ3BRSG10).The sample collected from soil grid SG-8 (SSJ3BRSG08), which encompassed the southern end of transect 9, detected tetryl (1190

µg/Kg), 2,4-DNT (1330 µg/Kg) and 2,6-DNT (100 µg/Kg). Perchlorate was also detected at trace levels in nine of the ten multiple increment samples but was detected at 7.79 µg/Kg in the sample from SG-8. Soils associated with these samples remain in place and are evaluated in the risk screening (Section 7.0).

4.2.6.2 Area 6 Geophysical Investigations/Findings

Geophysical investigations within Area 6 included MSP I, MSP III, detailed reconnaissance, and geophysical surveys of transects and additional grids.

MSP Phase I Investigation

Ten 100-foot by 100-foot grids were selected for investigation to evaluate a clearing visible in a 1966 aerial photograph. These grids were brush cut and UXO technicians performed a surface sweep of the area prior to conducting a geophysical survey. MEC items consisting of suspect 4.5-inch barrage rockets and 81mm mortars were discovered. Fourteen barrage rockets were BIP, of which ten were determined to contain high explosives. Two 81mm mortars were also discovered and BIP. Both of the mortars was determined to be inert based on demolition results.

MSP Phase III Reconnaissance Investigation

Twenty-one transects were investigated in the Barrage Rocket Study Area using hand-held magnetometers. Numerous subsurface anomalies were identified and marked by UXO technicians during a detailed reconnaissance. The results of the initial survey are documented in the *MSP3 Final Geophysical Survey Report for the J3 Range Barrage Rocket Site* (TetraTech 2003d).

Additional Site Investigations

As a result of the MSP III reconnaissance, an EM-61 geophysical survey was performed in July 2003 within each transect in the J-3 Range Barrage Rocket Study Area. A total of eleven anomalies were selected for intrusive investigation. Four 4.5-inch Barrage Rockets, a 4.2-inch mortar, and an 81mm mortar were discovered and BIP. All items were determined to be inert. No MEC items were discovered and no evidence of disposal or burial activities was encountered.

In November 2003, additional detailed reconnaissance was conducted in four transect extension areas in an effort to identify any decrease in density of munitions finds. Anomalies were categorized by the size of the response as Type A through Type F. Type C and larger anomalies were intrusively investigated in the transect extension areas and a new “northwest transect,” located between transect #1 and Wheelock Road, in 2009. Sixteen 4.5-inch barrage rockets (nine inert, four HE) were found in transect extension 3. One inert 4.5-inch barrage rocket was found in the northwest transect. Only fragmentation was found in the other three transect extensions (Figure 4-13).

Also in 2009, 119 anomalies exhibiting an EM-61 signal threshold of 34mV or greater were intrusively investigated in the existing 21 transects, the ten MSP 1 grids (“Zone 3”) and an area adjacent to the southern edge of the Barrage Rocket transects (“Zone 2”). Munitions items found in the transects using this method included three inert 4.5-inch barrage rockets, three

81mm mortars (two HE, one white phosphorus) and one 4.2-inch mortar (white phosphorus). Only fragmentation was recovered in Zone 3 (MSP 1 grids). In Zone 2, 18 inert 81mm mortars and one 3.5-inch practice rocket were found.

In addition, an EM-61 geophysical survey was conducted in two 30 meter by 30 meter grids in the southern portion of the Barrage Rocket Study Area with anomalies exhibiting a 34mV or greater signal threshold selected for intrusive investigation.

The investigation in the two southern grids yielded numerous anomalies with a response greater than 34mV, however, no MEC items were encountered. UXO technicians subsequently investigated 12 Type C or greater size anomalies located in or near transects #1 through #3. Three MEC items, consisting of 4.5-inch Barrage Rockets, MK3, high explosives, were encountered. Munitions debris was also discovered during this investigation.

In May 2010, investigation of Type C or greater anomalies in transects #4 through #21 was conducted in accordance with the *Revised Draft J-3 Barrage Rocket Additional Characterization Investigation Project Note* (ECC 2009a). In conjunction with this effort similar investigations were also conducted in six new transects: one to the north of and parallel to Wheelock Road, and five perpendicular transects terminating at the northwest transect and Chadwick Road. In addition, a detailed reconnaissance was conducted in a newly cut firebreak that crosses the northern side of the Barrage Rocket area. MEC items consisting of 11 HE and six inert 4.5-inch Barrage Rockets, MK3; two M56 81mm HE mortars; and two 75mm Projectile, M310, HEAT were discovered. Munitions debris consisting of inert barrage rockets and fragmentation were also encountered. No Type C or greater anomalies were encountered within the firebreak. A summary of the items encountered in each phase of the site investigations is located in Appendix E.

No soil samples were collected during the geophysical site investigation phases of work except for pre- and post-BIP sampling as described below in Section 4.2.5.6.

Ten multiple increment samples were collected in 2012 in accordance with the *Final J-3 Range Barrage Rocket Area Sampling* project note (IAGWSP 2012). Ten 100-foot by 100-foot grids were selected for sampling in areas where the highest concentrations of HE munitions were discovered during previous geophysical investigations. Samples were collected and submitted for explosives and perchlorate analyses.

4.2.6.3 Area 6 BIP Samples

Some suspect items discovered during intrusive field investigations and road and well pad clearance activities were BIP. A total of 101 samples were collected from 41 locations associated with BIP activities in the J-3 Range Area 6. BIP sample locations, sample identification, collection date, sample depths, and laboratory analyses associated with this subarea are identified in Table 4-16. The pre-BIP sample collected at SS15133-A had detections of TNT, 2-nitrotoluene, 3-nitrotoluene and nitrotoluene at 120 µg/Kg, 71 µg/Kg, 58 µg/Kg and 120 µg/Kg, respectively.

The post-BIP samples from SSJ3X03, SSJ3X04, SSJ3X05, SSJ3X17, SSJ3X20 all had detected concentrations of explosives (Figure 4-14). These soils were excavated.

Samples from BIP sample locations SSJ3X07, SSJ3X08, SSJ3X10, SSJ3X15, SSJ3X19, and SSJ3X26 all had detections of explosives that were below the BIP excavation criteria and therefore remain in place (Figure 4-14). As a note, the pre-BIP sample at SSJ3X06 had elevated levels of TNT and tetryl at 2,800 µg/Kg and 44 µg/Kg, respectively while the post-BIP sample only had a detection of TNT at 140 µg/Kg. Soils associated with these locations were evaluated as part of the risk screening section.

4.2.6.4 Area 6 Characterization Conclusions

Soil at locations with elevated explosives or perchlorate concentrations, identified on Figure 4-13, remain in place and are evaluated in the risk screening (Section 7.0).

The conceptual site model of munitions used in J-3 Range Area 6 was developed from range characteristics, range records, review of aerial photographs, and intrusive investigation finds. The development of the conceptual site model is presented in Appendix E. The available information suggests that the Barrage Rocket Study Area is indicative of an impact area for rockets and mortars.

Though all anomalies indicative of a barrage rocket and 81mm mortar (i.e., anomalies with an EM-61 response value greater than 34mV or Type C or greater) have been investigated within the transects and established grids, there is evidence to support that barrage rockets and mortars still remain in uninvestigated areas. In addition, isolated medium- to small-sized geophysical anomalies still remain on the range and it is likely that they represent fragmentation, metallic debris, or individual munitions that could be either inert or HE. Items that could remain on the range containing HE or small quantity of energetic include MK3 4.5-inch Barrage Rocket, M43/M56 81mm mortars, M3 4.2-inch mortars, and M310 75mm projectiles.

5.0 RESPONSE ACTIONS

5.1 Source Removal

Soil sampling and geophysical investigations, and associated soil excavations were conducted from 1997 through 2010. These activities included the intrusive investigations at more than 130 geophysical anomaly locations. These investigations resulted in the excavation and off-site disposal or on-site thermal treatment of approximately 2,386 cubic yards of contaminated soil (Table 4-1) from 15 locations. In addition to the soil removals, these investigations removed MEC from 43 locations (Appendix E).

As previously discussed in Section 4.2, soil sampling results identified soils with elevated concentrations of explosives in the following areas of the range:

- Former Burn Box
- Area North of Target 2
- Area South of Target 2
- Detonation Pit
- Drum Disposal Area
- Area West of Detonation Pit
- Area South of Detonation Pit
- Septic Tank
- Suspected Wastewater Discharge
- Area West of Wastewater Holding Tank
- Melt/Pour Building
- Area East of Melt/Pour Building
- Area East of Septic Tank

Textron removed the septic tanks and drywells noted above, as well as additional decommissioning activities as documented in the Final Summary Report Melt-Pour and Explosive Storage Bunker Building Decontamination, Drywell and Septic Tank Removal, Soil Delineation, and Building Demolition, December 2004, and Final Summary Report Range Closure Activities J-3 Range Camp Edwards, Massachusetts January 2009.

With the exception of the Drum Disposal Area, which was remediated by Textron, soils from these locations were removed during the soils Rapid Response Action (RRA) between February 2004 and December 2004 (Figures 4-2 and 4-8). The objective of the RRA was to reduce or eliminate probable sources of groundwater contamination. Soils with explosives detections were excavated to depths ranging from of 1.25 to 6 feet bgs and mechanically screened to remove any remaining munitions. These soils were thermally treated on-site. Textron excavated the soils associated with the Drum Disposal Area in 2008, which were disposed off-site.

Approximately 2,386 cubic yards of contaminated soil was excavated (Table 4-1). Post-excavation, 5-point composite soil samples were collected in each of the excavation areas units from 0 to 3 inches below the excavation floor. All samples were analyzed for explosives by method SW 846/8330B and perchlorate by method E.314. Results from post-excavation sampling indicated no detections of explosives or perchlorate exceeding the action levels. The

results of this RRA are documented in the *Final J-3 Range Rapid Response Action Completion of Work Report* (ECC 2005b).

5.2 J-3 Groundwater RRA System

In 2006, a groundwater rapid response action (RRA) was initiated to mitigate further migration of the J-3 perchlorate and RDX plumes until a final remedy could be determined. At that time, two groundwater plumes had been identified at the J-3 Range, including perchlorate and RDX contamination that was already shown to extend from the source areas downgradient to Snake Pond (Figures 5-1 and 5-2) (IAGWSP 2005). The design of the J-3 extraction, treatment and reinjection system consisted of three extraction wells, oriented along the plume axis, operating at a combined flow of 175 gallons per minute (gpm) and a treatment system consisting of ion-exchange resin (IX) and granular activated carbon (GAC) to remove RDX and perchlorate from the groundwater. The treatment system is housed within the nearby FS-12 treatment building where the treated groundwater is fed into the FS-12 effluent system of reinjection wells (Figure 3-1). The J-3 ETR system began operation in August 2006. In September 2009 the pumping rate was increased from 175 gpm to 195 gpm. The *Final J-3 Range Groundwater Rapid Response Action Plan* (ECC 2005d) presents the assessment activities, modeling and wellfield design for the J-3 groundwater RRA ETR system. As of December 31, 2013, the J-3 RRA system has treated over 675 million gallons of contaminated groundwater and has removed more than 25 pounds of perchlorate and 4 pounds of RDX from the aquifer.

2014-O-JV11-0008

6.0 CONCEPTUAL SITE MODEL

The conceptual site model is the depiction of site conditions that relate to contaminant source, environmental pathways for contaminants, and potential for contact with human receptors.

6.1 Source

The J-3 Range has primarily been used as a defense contractor test range to develop and test military munitions and other devices. Activities conducted included loading, assembly, and explosive testing of developmental tactical ordnance items. Military activities at the range included mortar and rocket firing. Secondary sources could include target and firing points throughout the range. Disposal activities are also known to have occurred in the Demolition Area. Residues from the firing activities have been found to be concentrated around firing positions and target areas. Residues from munitions testing and disposal practices have been found at various locations on the range. Groundwater contaminated with perchlorate and/or RDX has been found in areas downgradient from the J-3 Range and appears to be associated primarily with the Demolition/Artillery Areas and the Melt Pour Building.

The conceptual site model (Figure 6-1) based on known activities and the presence of soil contaminants, recognized two major source components in the J-3 Range area: (1) Soil sample results in the vicinity of the Demolition and Artillery Areas show contaminants that are consistent with explosives and perchlorate found in downgradient groundwater. This disposal and testing area shows elevated levels of RDX and perchlorate that are consistent with the development of the downgradient RDX and perchlorate plume. It is, therefore, likely that particles dispersed through disposal and testing activities have accumulated in sufficient quantities to result in groundwater contamination; and (2) Explosives contamination from the Melt/Pour Building was deposited on both the soil surface and subsurface as a result of operations, maintenance and housekeeping activities, and as a constituent of wastewater deposited in dry wells and septic systems. This particulate depositional process was also conducive to relatively rapid leaching of contaminants through the vadose zone to the groundwater table.

6.2 Pathway

Following deposition onto the soil, precipitation will dissolve a fraction of the contaminant mass and then migrate toward the water table. Dissolution is a function of the temperature, intensity, and duration of the precipitation, soil characteristics, drainage patterns, solubility, surface area, and kinetics. Although dissolution of the solid compounds is relatively slow, once dissolved, compounds such as RDX, HMX, and perchlorate move through the soil column with minimal sorption to the soil surfaces. Other contaminants such as metals, pesticides, and PAHs move more slowly based on their chemical properties. It is, therefore, reasonable to assume that contaminants that are more easily mobilized, such as RDX and perchlorate, pose a more immediate threat to groundwater than many other potential COCs from the J-3 Range. However, all detected analytes were evaluated for their potential to leach to groundwater in the risk screening (Section 7.0).

Releases of explosive-related contaminants in the environment have occurred, ultimately causing infiltration of these contaminants to groundwater. All indications are that the primary

contaminants, perchlorate and RDX, entered the groundwater with little retardation, and migrated in the direction of groundwater flow. Flow trajectories are influenced by the position of the top of the groundwater mound that is located northwest of the J-3 Range. Based on the amount of recharge during a particular period, the groundwater mound can move and increase hydrodynamic dispersion (flow field tends to splay/disperse contaminants). In general, the flow trajectories are southerly in the area of the J-3 Range plume.

6.3 Receptors

Analysis of the potential for contaminants reaching receptors is based on hypothetical exposures to groundwater if it were drawn from monitoring wells downgradient of the J-3 Range. No one is using the groundwater in these areas and the areas downgradient are closely managed. There is, however, a public water supply well located on the south side of Weeks Pond approximately one half-mile south of the J-3 Range. Residences in the vicinity of the J-3 plume are connected to the municipal water system and all future residents are required to use the municipal system as well.

The well series 90PZ0201 to 90PZ0212 are considered historical wells originally installed to support the FS-12 investigation. Wells 90PZ0201 through 90PZ0208 were installed in a cluster approximately 150 feet from the northwestern shore of Snake Pond. Wells 90PZ0211 and 90PZ2012 are located approximately 300 feet north of this cluster and well 90PZ0209 is located between them. The depths of these wells range between 4 and 107 feet. Screen lengths vary between the wells from 5 to 30 feet. Well 90PZ0211, which is screened from -5.48 to -35.48 msl, was chosen to monitor the movement of the J-3 plume because it has the screen in the right vertical location. Well 90PZ0211 monitors the leading edge of the RDX and perchlorate plumes. Well 90PZ020, located to the south within the above-mentioned cluster, is screened from -5.38 to -10.38 feet msl. This well has the right screen elevation to monitor groundwater at the western boundary of the RDX plume and leading edge of the perchlorate plume.

Although residential use is not a likely future land use within JBCC, hypothetical residents are identified as potential receptors to determine the need for institutional controls and to provide information for evaluating all future-use options in the Feasibility Study (FS). Therefore, hypothetical residents (on- and off-site) were identified as future receptors and the use of groundwater from the J-3 Range as a source of potable water was considered a potential exposure pathway.

Soil removal actions at the J-3 Range have removed all significant explosives-contaminated soil and thereby eliminated the potential for contact with contaminated soils that exceed standards.

Contaminated groundwater from J-3 plume flows in a southerly direction and crosses the base boundary downgradient of Greenway Road into a residential neighborhood. The soil removal actions conducted during the RRA will reduce contaminant mass in the source areas.

7.0 RISK SCREENING

7.1 Introduction

Risk screening evaluations were conducted for J-3 Range. The objective of the risk screening was to identify any contaminants of concern (COCs) that were detected in the J-3 Range groundwater or soil that warrant further evaluation. The risk screening for soil included an evaluation of the potential for analytes detected in the soil to leach from the soil and migrate through the subsurface to the groundwater.

7.2 Groundwater Evaluation

The selection of the monitoring wells where the groundwater quality was evaluated in this groundwater risk screening considered the wells included in the 2009 J-3 Groundwater RI/FS Report, the more recently installed monitoring wells at J-3 Range, groundwater flow directions at these well locations, and other well-specific installation parameters. Extraction well sample results, profile, and drive-point sample results were omitted from the groundwater risk screening data set due to concerns that they were not representative of general groundwater conditions. A total of 112 monitoring wells (including nested wells drawing from different depths at the same location) were determined to be representative and indicative of the J-3 Range groundwater impacts. These wells are listed in numerical order in a footnote to Table 7-1, and their associated sampling events and analytical results are included in Appendices A and B, respectively. The risk screening groundwater data set includes analytical results for the samples collected from October 1997 to August 2013.

Table 7-1 presents the results of the risk screening evaluation that was performed on the J-3 Range groundwater data set. The maximum concentration of each detected constituent was compared to its federal and Massachusetts (where available) Maximum Contaminant Level (MCL or MMCL), EPA Drinking Water Health Advisory (HA), EPA Regional Screening Level (RSL) for Tapwater, and MCP Method 1 GW-1 Standard. Other factors that were considered in the risk screening to determine whether to further evaluate the detected constituent included whether the analyte was an essential human nutrient, its frequency of detection, any specific characteristics of the analyte, and if the analyte had a documented history of false positive analytical results at JBCC. The subsections that follow summarize the results of these comparisons and considerations for the groundwater associated with the J-3 Range by chemical group.

7.2.1 Explosives and Perchlorate

Nineteen explosives were analyzed for by Method 8330 in groundwater samples from 112 J-3 Range monitoring wells. Three additional explosives were occasionally included in the analytical program for 21 of the wells (i.e., hexahydro-1-mononitroso-3,5-dinitro-1,3,5-triazine (MNX), hexahydro-1,3-dinitroso-5-mononitro-1,3,5-triazine (DNX), and hexahydro-1,3,5-trinitroso-1,3,5-triazine (TNX)). Thirteen explosives were detected in at least one groundwater sample. Six explosives were detected in one, two, or three samples (i.e., 1,3-dinitrobenzene, 2,4-diamino-6-nitrotoluene, 2,4-DNT, 2-nitrotoluene (2-NT), 4-nitrotoluene (4-NT) and picric acid). As these detections were not repeated in subsequent sampling events at the same

locations, these explosives were not considered further in the groundwater risk screening evaluation. Of the eight explosives that were detected on more than three occasions, the noted groundwater screening criteria were exceeded only for 2,4,6-trinitrotoluene (TNT) and RDX.

Since 1997, exceedances of the most stringent screening criterion for TNT (the HA of 2 µg/L), have been observed at least once in only one well, MW-196S. During the most recent sampling event at this location (March 2, 2006), TNT was not detected. TNT has been detected once or twice in three other wells (i.e., MW-181S, MW-190M1, and MW-30), but at concentrations well below the most stringent screening criterion. TNT has not been detected at any of the groundwater monitoring wells since 2005 (some 354 samples from 79 groundwater monitoring wells at J-3 Range). Consequently, TNT was not retained for further evaluation.

Since 1997, exceedances of the most stringent screening criterion for RDX (the Tapwater RSL of 0.70 µg/L) have been observed at least once in 29 of the monitoring wells associated with the J-3 plume. Since 2009, exceedances of the RSL have been observed in only six of these monitoring wells (i.e., MW-163S, MW-193S, MW-197M3, MW-198M4, MW-227M2, and MW-250M2), and the maximum observed RDX concentration since 2009 was 20.7 µg/L. Since this maximum detected concentration exceeds the screening criterion, RDX was retained for further evaluation in the Feasibility Study.

Perchlorate was detected in approximately 43% of all J-3 groundwater samples analyzed and at 72 of the 112 monitoring wells. Since 1997, exceedances of the most stringent screening criterion for perchlorate (the MMCL and MCP GW-1 Standard of 2 µg/L) have been observed at least once in 30 of the monitoring wells associated with the J-3 plume. Since 2009, exceedances of perchlorate have been observed in only 13 of these monitoring wells (i.e., MW-142M2, MW-143M2, MW-143M3, MW-163S, MW-198M2, MW-198M3, MW-198M4, MW-227M2, MW-232M2, MW-250M2, MW-250M3, MW-343M1, and MW-343M2), and the maximum observed perchlorate concentration since 2009 was 25.4 µg/L. Consequently, perchlorate was retained for further evaluation in the Feasibility Study.

7.2.2 Metals and Inorganics

Samples from 111 of 112 monitoring wells used to construct the groundwater data set were analyzed for 30 metals and inorganics. Each of the 30 metals was detected in at least one sample. However, only arsenic, chromium (total), manganese, thallium, and nitrogen (as nitrate-nitrite) exceeded any of their respective screening criteria.

Arsenic was detected in 10 of the 178 samples included in the groundwater data set. The maximum detected concentration of arsenic in groundwater was 10.9 µg/L (MW-152M1), which exceeded the HA and RSL, but was only marginally above the MCL and MCP GW-1 Standard of 10 µg/L. Furthermore, many studies have been conducted to characterize the elevated levels of arsenic in groundwater throughout New England. Naturally occurring arsenic is common in alluvial aquifers of the United States (Korte 1991). Chromium (total) was detected in 22 of 178 samples. The maximum detected concentration of chromium was 10.2 µg/L (MW-13D). Chromium has only been sporadically detected in 13 different wells, typically only once per well during the timeframe defined for this risk screening. The maximum detected concentration of

chromium exceeded the RSL for hexavalent chromium in Tapwater, but was less than its MCL and the MCP GW-1 Standard.

There were only four detections of thallium out of 180 groundwater samples, with a maximum reported concentration of 6.2 µg/L, which exceeded the MCL and MCP GW-1 Standard of 2 µg/L and the RSL of 0.16 µg/L, but was less than the HA of 7 µg/L. Thallium has not been detected in the subsequent rounds of sampling conducted at any of these monitoring wells. The maximum detected concentration of nitrogen measured as nitrate-nitrite (9,900 µg/L) exceeded the MCL for nitrite (1,000 µg/L) and the RSL for nitrite (1,600 µg/L), but not the MCL for nitrate (10,000 µg/L) nor the RSL for nitrate (25,000 µg/L). The maximum detected concentration also did not exceed the HA for nitrate plus nitrite. Therefore, arsenic, chromium, manganese, thallium, and nitrogen as nitrate-nitrite in groundwater were not further evaluated.

Four of the detected inorganics had no published screening criteria from the established sources, but are considered to be essential human nutrients (i.e., calcium, magnesium, potassium, and sodium). As such, they were not considered for further evaluation. In summary, therefore, no metals or inorganics detected in J-3 Range groundwater were determined to warrant further evaluation.

7.2.3 Pesticides and Herbicides

Groundwater samples collected from 49 of the 112 monitoring wells used to construct the groundwater data set were analyzed for 21 pesticides and 18 herbicides. Eight pesticides and three herbicides were occasionally reported as detected in these groundwater samples, but the frequency of detection was less than 3% for all of these detected pesticide and herbicide compounds, except for chloramben. Only the maximum detected concentrations of five of these compounds (i.e., MCPP, pentachlorophenol, aldrin, alpha-BHC, and heptachlor) exceeded any of their respective screening criteria. MCPP, pentachlorophenol, and heptachlor were detected twice, and aldrin and alpha-BHC were detected only once in the groundwater samples included in the risk screening data set. Furthermore, the MCPP detections have been determined to be false positives that were obtained using an old analytical method that is no longer used (AMEC 2002c). The analyses for herbicides performed prior to 2001 were shown to have been affected by interferences that resulted in tentative identifications and estimated quantifications of MCPA and MCPP. In 2001, modifications were made to the analytical method for herbicides to minimize these interferences. As such, the analytical data for this compound obtained prior to 2001 likely represent false positive results. There have been no detections of MCPP since 2000, and no detections of any pesticide or herbicide compound in groundwater samples analyzed after 2002. Therefore, no pesticides or herbicides in the groundwater were determined to warrant further evaluation.

7.2.4 Polycyclic Aromatic Hydrocarbons (PAHs)

Groundwater samples from 86 of the 112 monitoring wells used to construct the groundwater data set were analyzed for 17 PAHs. Of these 17, only one, naphthalene, was detected. Three of the four reported detections for naphthalene were associated with samples from MW-152M2 and the fourth was associated with a sample from MW-190M1. Naphthalene has not been detected in either of these wells during subsequent sampling events. Naphthalene has not been

detected in any sample since July 2002 (some 144 samples from 55 different monitoring wells). Therefore, PAHs were not considered further in the groundwater screening evaluation.

7.2.5 VOCs/SVOCs

Groundwater samples from 86 of the 112 monitoring wells used to construct the groundwater data set were analyzed for 63 SVOCs. Of these, four phthalate esters (i.e., bis(2-ethylhexyl)phthalate, diethyl phthalate, di-n-butyl phthalate, and di-n-octyl phthalate), 4-methylphenol, 5-nitro-o-toluidine, and phenol were detected. Of these seven SVOCs, all but bis(2-ethylhexyl)phthalate were detected at frequencies below 3% and only the maximum detected concentrations of bis(2-ethylhexyl)phthalate and naphthalene (discussed in Section 7.2.4) exceeded any screening criteria. Bis(2-ethylhexyl)phthalate is a probable laboratory contaminant, as evidenced by its sporadic detection and the relatively high variability in measured concentrations. For example, the maximum detected concentration of bis(2-ethylhexyl)phthalate was 47 µg/L in 90WT0005 on January 13, 1998 but subsequent sampling results for this location were non-detect on January 21, 1999 and 2 µg/L on October 1, 1999. Bis(2-ethylhexyl)phthalate is not considered a component of the J-3 Range groundwater plume. None of the other phthalates exceeded any of their screening criteria.

Groundwater samples collected from 70 of the 112 monitoring wells used to construct the groundwater data set were analyzed for 45 VOCs. Of these, 12 of the compounds were detected in the groundwater and only three of these 12 (i.e., bromodichloromethane, chloroform and dibromochloromethane) exceeded at least one of their groundwater screening criteria. All three of these compounds are trihalomethanes and the maximum detected concentrations were below the MCL for total trihalomethanes (80 µg/L). Chloroform was detected in 54 wells, and its degradation product (chloromethane) also was detected in 3 wells. In all cases, the reported concentrations of chloroform exceeded the lowest of its groundwater screening criteria (i.e., the EPA RSL for Tapwater of 0.22 µg/L), but were below its MCL, HA, and MCP GW-1 Standard. In addition, chloroform appears to be ubiquitous within the portion of the aquifer being studied. Chloroform, which has not been identified as a compound associated with historical J-3 Range activities, has been widely observed in groundwater across the Upper Cape, and has been determined to be naturally present in much of the groundwater on Cape Cod (Earth Tech 2000). Therefore, VOCs were not considered further in the groundwater screening evaluation.

7.2.6 Polychlorinated Biphenyls

Groundwater samples collected from 49 of the monitoring wells used to construct the groundwater data set were analyzed for PCBs. Only one of the seven Aroclors (i.e., Aroclor 1260) was detected in one groundwater sample. Subsequent groundwater samples collected at this location were non-detect for all PCBs. Although the maximum detected concentration of Aroclor 1260 exceeded its HA and the RSL, it was less than the MCL and the MCP GW-1 Standard. Therefore, PCBs were not considered further in the groundwater screening evaluation.

7.2.7 Radionuclides

Gross alpha and beta activity were measured in samples collected from 47 groundwater monitoring wells associated with the J-3 Range. Gross alpha activity was below the MCL (15 pCi/L). The MCL for gross beta is 4 millirems per year, which is a dose-based standard and cannot be directly compared to an activity based measurement. In addition uranium-234, -235 and -238 activities were measured in two of these samples (both from MW-181S). Uranium-235 was not detected. Activity based screening criteria for uranium-234 and uranium-238 were calculated using default residential values for tap water (USEPA 2014). The detected concentrations were below the calculated RSLs.

7.2.8 Summary of Site-Wide Groundwater Screening

Groundwater data from monitoring wells associated with the J-3 Range were available for explosives, perchlorate, metals and inorganics, pesticides and herbicides, SVOCs, VOCs, and PCBs and selected radiological parameters. Of the 227 analytes reported for groundwater, 22 were detected at maximum concentrations that exceeded one or more groundwater screening criteria: 1,3-dinitrobenzene, TNT, 2-nitrotoluene, 2,4-DNT, RDX, perchlorate, arsenic, chromium, manganese, nitrogen (as nitrate-nitrite), thallium, MCPP, pentachlorophenol, aldrin, alpha BHC, heptachlor, bis(2-ethylhexyl)phthalate, naphthalene, bromodichloromethane, chloroform, dibromochloromethane and Aroclor 1260. Of the detected explosives exceeding of at least one screening criterion, only RDX continues to be detected at elevated concentrations and with a frequency of detection (FOD) that indicates a potential risk relative to groundwater use. TNT and 2,4-DNT were each only detected occasionally in almost 1,600 samples, and were not detected in the most recent samples from the same monitoring wells where exceedances of the established criteria had been previously reported. Perchlorate also was seen to be present at a concentration that could pose a potential threat to groundwater. Of the metals and inorganics reporting exceedances of screening criteria, the presence of arsenic is not indicated to be related to operations at the J-3 Range. Chromium has only been sporadically detected, and the maximum detected concentration of chromium (total) was less than its MCL and the MCP Method 1 GW-1 Standard. Manganese was widely detected, and results from 10 well locations exceeded the HA (300 µg/L) and RSL (430 µg/L). Of these 10 wells, only two wells have consistently had exceedances (MW-125S and MW-152M1). The maximum detected concentration of nitrogen (measured as nitrate-nitrite) (9,900 µg/L) exceeded the MCL for nitrite (1,000 µg/L), but not the MCL for nitrate (10,000 µg/L). The maximum detected concentration also did not exceed the HA for nitrate plus nitrite. Thallium was infrequently detected and was not detected in the subsequent rounds of sampling at the same sampling point where the exceedances of the MCL (2 µg/L) were measured. MCPP, pentachlorophenol, aldrin, alpha-BHC, and heptachlor were detected only once or twice, and were not detected in later sampling events at the same monitoring wells. In addition, the MCPP detections that exceeded its criteria are likely to be false positives due to the past application of an analytical method that is no longer used. Bis(2-ethylhexyl)phthalate detections are believed to have been a laboratory artifact and are not considered part of the J-3 groundwater plume. Three of the four reported detections for naphthalene were for samples from MW-152M2 and the fourth was from MW-190M1. Naphthalene was not detected in either of these two wells during subsequent sampling events. Chloroform is indicated to be present in groundwater due to natural sources,

and not related to activities at the J-3 Range. Although Aroclor 1260 was detected once, subsequent samples from the same location were non-detect for all analyzed PCBs. Although the maximum detected concentration of Aroclor 1260 exceeded its HA and RSL, it was less than the MCL and the MCP GW-1 Standard.

Based on the screening analysis performed for the J-3 Range groundwater, perchlorate and RDX were identified as the only COCs in the J-3 groundwater plume warranting further evaluation in the Feasibility Study.

7.3 Soil Screening

For purposes of the soil screening evaluation, the J-3 Range was divided into the following six discrete subareas:

- Area 1 - Melt/Pour Area
- Area 2 - 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area
- Area 3 - Artillery Range, Demolition Area and Explosive Storage Bunker
- Area 4 - Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area
- Area 5 - Hillside Study Area
- Area 6 - Barrage Rocket Study Area

As noted in Sections 4.0 and 5.0, soils contaminated with explosives and perchlorate have been treated on-site or taken off-site in a series of removal response actions. The analytical detections evaluated in the risk screen represent current site conditions. Accordingly, the risk screening data sets do not contain the sample results for soil that was subsequently removed. The data sets consisted of all validated soil sampling results from May 1999 to March 2013 from all depth intervals consistent with the “Current Conditions” tables provided in Section 4.0.

Tables 7-2 through 7-7 present comparisons of the maximum detection concentrations in remaining soil to a series of screening values for the J-3 Range soil subareas. The screening values for each analyte were (when available) its MCP Method 1 S-1/GW-1 Standard, its MassDEP strictly leaching soil concentration, its MMR SSL, its EPA risk-based SSL, and its MMR-specific outwash background soil concentration. It is noted that the MCP S-1/GW-1 Method 1 Standards were used as a screening criterion only for those compounds for which a value has been published in 310 CFR 40.0975(6)(a). An MCP Method 2 comparison value for nitroglycerin (4.4 mg/Kg) was developed and calculated using the provisional oral reference dose (1E-4 mg/Kg-day) and the default exposure parameters of the S-1 direct contact standards. Additional evaluation of exceedances of MCP S-1/GW-1 standards for soils is presented in Appendix G.

Other factors that were considered in determining whether to evaluate a compound further included whether the compound was an essential human nutrient, its frequency of detection within the sampled Area, whether the compound was detected in both soil and groundwater, any specific circumstances regarding the presence of the compound, and whether there were documented prior false positive analytical results associated with the analyte. The frequency of detection was not used as the sole criteria for the elimination of a compound from further

consideration. The subsections that follow summarize the results of these comparisons for each Area.

7.3.1 Area 1 - Melt/Pour Building

Table 7-2 presents the comparisons of the detected concentrations to the screening criteria for the Melt/Pour Area.

7.3.1.1 Explosives and Perchlorate

Four explosives (i.e., 1,3-diethyl-1,3-diphenyl urea, 2,4-DNT, 2,6-DNT and 2-NT) were detected in Area 1 soils (Table 7-2). Of these only 2,4-DNT, 2,6-DNT and 2-NT were detected in groundwater. The following explosives related compounds and perchlorate exceeded at least one of their respective screening values:

- 2,4-DNT – the only detection (0.83 mg/Kg) in the 121 soil samples analyzed by Method 8330 (FOD = 1.2%) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, the EPA risk-based SSL, and the MassDEP leaching concentration. This sample (SS102VF 0-0.25 feet bgs) was a post-BIP confirmatory sample. The only detection (0.83 mg/Kg) in the 83 soil samples analyzed by Method 8270 (FOD = 1.2%) exceeded the MMR SSL, the EPA risk-based SSL, and the MassDEP leaching concentration. 2,4-DNT was detected in 2 of 1576 groundwater samples analyzed by Method 8330. 2,4-DNT was not detected in any of the 83 groundwater samples analyzed by Method 8270.
- 2,6-DNT – the only detection (0.17 mg/Kg) in the 83 soil samples analyzed by Method 8270 (FOD = 1.2%) exceeded the MMR SSL and the EPA risk-based SSL. 2,6-DNT was not detected in any of the 121 samples analyzed by Method 8330. 2-6-DNT was not detected in groundwater.
- 2-NT – the only detection (0.16 mg/Kg) in the 121 soil samples analyzed (FOD ≤ 1%) exceeded the MMR SSL and the EPA risk-based SSL. 2-NT was detected in 1 of 1,576 groundwater samples (FOD = 0.06%). It has not been detected in groundwater since 1997.

1,3-Diethyl-1,3-diphenyl urea was detected in the soil but had no screening values and it was not detected in the groundwater. Based on these findings, none of the explosives or perchlorate will be evaluated for Area 1 soils in the Feasibility Study.

7.3.1.2 Metals and Inorganics

As presented on Table 7-2, a number of metals and inorganics were detected in the soil. The maximum detected concentrations of a number of metals exceeded at least one of their respective screening levels. However, the site concentrations for the majority of the metals were very similar to their outwash background levels. The exceptions to this were copper and lead which are discussed in more detail below.

- Copper – the maximum soil concentration (227 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. There is no MCP S-1/GW-1 Standard for copper. The Area 1 average concentration (11 mg/Kg) was less than the SSLs. Only 5 of the 52 detected

concentrations exceeded the MMR SSL and the EPA risk-based SSL. This indicates that copper is not present at elevated levels across the area.

- Lead – the maximum soil concentration (106 mg/Kg) exceeded the MMR SSL and the EPA SSL but not the MCP S-1/GW-1 Standard. The Area 1 average concentration (12.6 mg/Kg) was consistent with the background level (19 mg/Kg).

Although most metals were detected in J-3 Range groundwater monitoring wells, only arsenic and thallium were detected in groundwater at concentrations greater than MCLs or MCP GW-1 Standards. Arsenic and thallium were detected in Area 1 soils at concentrations exceeding SSLs, but the concentrations were consistent with background levels and below MCP S-1/GW-1 Standards. Based on these findings, none of the metals and inorganics will be evaluated in the Feasibility Study.

7.3.1.3 PAHs

Several PAHs were detected in the soil. The PAHs were detected sporadically throughout the area. The FOD values ranged from 1.2% to 11%. The maximum detected concentrations of six PAHs exceeded at least one of their respective SSL screening values but were below their MCP S-1/GW-1 Standard. These six are benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, and naphthalene. The detected concentrations of PAHs are consistent with background levels for natural soil (MassDEP 1992). Based on these findings, PAHs will not be evaluated in the Feasibility Study.

7.3.1.4 Pesticides and Herbicides

Beta-BHC was the only pesticide/herbicide detected in the soil. The single detected concentration exceeded the MMR SSL and the EPA risk-based SSL. The distribution and concentration of pesticides and herbicides in Area 1 soils are presumed to be consistent with application in accordance with manufacturer's guidelines. Based on these findings, pesticides and herbicides will not be evaluated in the Feasibility Study.

7.3.1.5 VOCs and SVOCs

Several VOCs and SVOCs were detected in the soil (see Table 7-2). The analytes were detected sporadically throughout the site. N-nitrosodiphenylamine and TCE were the only analytes observed in the soil that exceeded at least one of their screening values. The single detection of n-nitrosodiphenylamine exceeded the MMR SSL and the EPA SSL. The single detection of TCE exceeded the MMR SSL and the EPA SSL. Neither compound was detected in J-3 groundwater monitoring wells. Based on these findings, VOCs and SVOCs will not be evaluated in the Feasibility Study.

7.3.1.6 Radionuclides

Uranium-234, -235, and -238 were detected in the soil. Activity-based screening criteria for uranium-234, -235, and -238 were calculated using the default values for soil to groundwater developed for the EPA risk-based SSLs. The maximum detected concentrations were above the calculated risk-based SSLs. There are no MCP Method 1 S-1/GW-1 Standards or MMR SSLs for radionuclides. Both uranium-234 and -238 were detected in groundwater, but the maximum

detected concentrations were below calculated screening criteria for tapwater. Based on this, they will not be evaluated in the Feasibility Study.

7.3.2 Area 2 – 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area

Table 7-3 presents the comparisons to the screening criteria for the 20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area.

7.3.2.1 Explosives and Perchlorate

Seven explosives (2,4-DNT, 2-amino-4,6-DNT, 4-amino-2,6-DNT, RDX, nitroglycerin, HMX and tetryl) were detected in Area 2 soils (Table 7-3). The maximum detected concentrations for the each of these compounds except tetryl exceeded at least one screening value. There is no MCP S-1/GW-1 Standard for tetryl. The following explosives related compounds and perchlorate that were observed in the soil exceeded at least one of the screening values:

- 2,4-DNT – the maximum detected soil concentration (0.62 mg/Kg by Method 8330 and 0.47 mg/Kg by Method 8270) exceeded the MMR SSL, and the EPA risk-based SSL and the MassDEP leaching concentration. 2,4-DNT was detected in 2 of 1576 groundwater samples analyzed by Method 8330. 2,4-DNT was not detected in any of the 83 groundwater samples analyzed by Method 8270.
- 2-Amino-4,6-DNT – the maximum detected soil concentration (0.11 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 2 of 108 samples (FOD = 2%). It was detected in the groundwater but not at concentrations above screening levels.
- 4-Amino-2,6-DNT – the maximum detected soil concentration (0.081 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 2 of 108 samples (FOD = 2%). It was detected in the groundwater, but not at concentrations that exceeded its groundwater screening criteria.
- RDX – the single detection (0.017 mg/Kg) exceeded the MMR SSL, the EPA risk-based SSL, and the MassDEP leaching concentration. It was detected in only 1 of 108 samples (FOD ≤ 1%). It was detected in the groundwater at concentrations that exceeded its groundwater screening criteria.
- Nitroglycerin – the maximum detected soil concentration (11 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 2 of 108 samples (FOD = 2%). The maximum detected concentration exceeded the calculated MCP Method 2 S-1 value (4.4 mg/Kg). Five other samples from this same location (SS102DA) were non-detect for nitroglycerin. It was not detected in the groundwater.
- HMX – the single detection (1.3 mg/Kg) exceeded the MMR SSL but was less than the EPA risk-based SSL and the MassDEP leaching concentration. It was detected in 1 of 108 samples (FOD ≤ 1%). It was detected in the groundwater but at concentrations below its groundwater screening criteria.

Many of the sample locations with exceedances of the soil screening criteria are associated with BIP activities (i.e., location SSJ303) and were evaluated under the BIP program. One exception is the HMX detection of 1.3 mg/Kg at location SS102C1. This sample appears to have been

associated with sediment material located within the Drywell at the former Workshop Building. Textron documentation indicates that this sediment material was subsequently removed (MACTEC 2004).

As none of the detected explosives exceeded the MCP S-1/GW-1 Standard, they will not be further evaluated for Area 2 soils in the Feasibility Study.

7.3.2.2 Metals and Inorganics

As presented in Table 7-3, a number of metals and inorganics were detected in Area 2 soil. The maximum detected concentrations of most of the metals exceeded at least one of their respective screening levels. However, the site concentrations for the majority of the metals were comparable to background levels. The exceptions to this were chromium, copper, iron, lead, manganese, molybdenum, nickel, silver and zinc (which are discussed in more detail below).

- Chromium – the maximum soil concentration (203 mg/Kg) exceeded the MCP S-1/GW-1 Standard and the MMR SSL, but was less than the EPA MCL-based SSL. The average concentration (15.9 mg/Kg) is consistent with background and below the MCP S-1/GW-1 Standard. Only the maximum detected concentration exceeded the MCP S-1/GW-1 Standard.
- Copper – the maximum soil concentration (775 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (19.3 mg/Kg) was less than the SSLs. Eleven of the 115 detected concentrations exceeded the SSLs. This indicates that copper is not present at elevated levels across the area. Copper was detected in groundwater, but at concentrations below screening levels.
- Iron – the maximum detected soil concentration (130,000 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration was 14,186 mg/Kg, which is consistent with background. Iron was detected in the groundwater, but at concentrations below its groundwater screening criteria.
- Lead – the maximum soil concentration (184 mg/Kg) exceeded the MMR SSL and the EPA MCL-based SSL. The average concentration was 22 mg/Kg. All of the detected concentrations exceeded the MMR SSL, but were below the S-1/GW-1 Standard. Lead was detected in the groundwater but at concentrations below its groundwater screening criteria.
- Manganese – the maximum soil concentration (1,570 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (151 mg/Kg) exceeded the SSLs and was slightly greater than the background level (134 mg/Kg). Only eight locations were inconsistent with background concentrations.
- Molybdenum – the maximum soil concentration (85.2 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. There is no MCP S-1/GW-1 Standard for molybdenum. The average concentration (1.9 mg/Kg) was slightly greater than the background level (1.2 mg/Kg) and was less than the EPA SSL.
- Nickel – the maximum soil concentration (964 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, and the EPA risk-based SSL. The average concentration (21 mg/Kg) was less than the SSLs and the MCP S-1/GW-1 Standard (600 mg/Kg). Only

the maximum detected concentration exceeded the MCP S-1/GW-1 Standard. This indicates that nickel is not present at elevated levels widely across the area.

- Silver – the maximum soil concentration (96.2 mg/Kg) exceeded the MMR SSL, the EPA risk-based SSL and was slightly below the MCP S-1/GW-1 Standard. Three of the four detections of silver were inconsistent with background (sample locations BH-40 4-5 feet bgs, BH-40 9-10 feet bgs, and SS102C1 0-0.5 feet bgs). Location SS102C1 was associated with sediment within the Drywell at the former Workshop Building. Textron documentation indicates that this material was removed (MACTEC 2004). Silver was detected in groundwater occasionally at concentrations below its groundwater screening criteria.
- Zinc – only the maximum soil concentration (493 mg/Kg) exceeded the EPA risk-based SSL but was below the MCP S-1/GW-1 Standard and the EPA risk-based SSL. This single exceedance was associated with BIP activities (SSJ303). Zinc was detected in groundwater at concentrations below its groundwater screening criteria.

Based on these findings, none of the metals and inorganics in Area 2 soils will be evaluated in the Feasibility Study.

7.3.2.3 PAHs

Five PAHs were detected in the soil. The PAHs were detected sporadically throughout the area. The FOD values ranged from 1.0% to 2.1%. The maximum detected concentrations of two PAHs (i.e., benzo(a)anthracene and naphthalene) exceeded at least one of their respective screening values, but were below MCP S-1/GW-1 Standards. The detected concentrations of PAHs are consistent with background levels for natural soil (MassDEP 1992). Based on these findings, PAHs will not be evaluated in the Feasibility Study.

7.3.2.4 Pesticides and Herbicides

Several pesticides and herbicides were detected in the soil. The FOD values ranged from 2% to 8%. The distribution and concentration of pesticides and herbicides in Area 2 soils are presumed to be consistent with application in accordance with manufacturer's guidelines. The maximum detected concentrations for the pesticides and herbicides listed below exceeded at least one of their respective screening values.

- Acifluorfen – exceeded the MMR SSL. It was detected in 2 of 52 soil samples. It was not detected in the groundwater.
- Alpha-Chlordane – exceeded the MMR SSL but not the EPA risk-based SSL. It was detected in one of 65 soil samples. It was not detected in the groundwater. The single detection was below the MCP S-1/GW-1 Standard.
- Dieldrin – exceeded the MMR SSL and the EPA risk-based SSL. It was detected in one of 65 soil samples. The single detection was below the MCP S-1/GW-1 Standard. It was detected in one groundwater sample, but at a concentration below its groundwater screening criteria.
- Gamma-Chlordane – exceeded the MMR SSL. It was detected in one of 65 soil samples. The single detection was below the MCP S-1/GW-1 Standard and the EPA

risk-based SSL. It was detected in one groundwater sample, but at a concentration below its groundwater screening criteria.

- p,p'-DDD – exceeded the EPA risk-based SSL but was less than the MMR SSL and the MCP S-1/GW-1 Standard. It was not detected in groundwater.

Based on these findings, pesticides and herbicides will not be evaluated in the Feasibility Study.

7.3.2.5 VOCs and SVOCs

Twenty-two VOCs and SVOCs were detected in the soil. The analytes were detected sporadically throughout the site. Of these 22, 10 (see Table 7-3) exceeded at least one of the screening values and are discussed below:

- Acetone – the maximum soil concentration exceeded the MMR SSL but was less than the MCP S-1/GW-1 Standard and the EPA risk-based SSL. Acetone was detected in 99% of samples, consistent with being a laboratory contaminant. It was detected in 5 of the 142 groundwater samples at concentrations below its screening levels.
- Benzene – the maximum soil concentration (0.003 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard. It was detected in 5 of 68 samples. It was not detected in groundwater.
- Bromomethane – the maximum soil concentration (an estimated 0.005 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard. It was detected in 4 of 69 samples. It was not detected in groundwater.
- Chloromethane – the maximum soil concentration (an estimated 0.011 mg/Kg) exceeded the MMR SSL but was less than the EPA risk-based SSL. It was detected in 2 of 69 samples. It was detected in groundwater at concentrations below its screening levels.
- Di-n-butyl phthalate – the maximum soil concentration (4.0 mg/Kg) exceeded the EPA risk-based SSL but was less than the MMR SSL. There is no MCP S-1/GW-1 Standard for di-n-butyl phthalate. It was detected in 4 of 95 samples. It was detected in groundwater at concentrations below its screening levels.
- Ethylbenzene – only the maximum soil concentration (an estimated 0.002 mg/Kg) slightly exceeded the EPA risk-based SSL. Other sample results for this location (SS102EB 0-0.25 feet bgs) were non-detect for ethylbenzene. Ethylbenzene was not detected in groundwater.
- N-Nitrosodiphenylamine – the maximum soil concentration (1.2 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 3 of 95 samples. It was not detected in the groundwater.
- Phenol – the maximum soil concentration (2.4 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, and the MassDEP leaching standard. It was detected in 4 of 95 samples. It was not detected in groundwater.
- Total-1,2-dichloroethene – the maximum soil concentration (an estimated 2.3 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the EPA risk-based SSL, and the MassDEP leaching concentration. The average concentration was less than the screening criteria. It was detected in 2 of 66 samples. It was not detected in the groundwater.

- Vinyl chloride – exceeded the EPA risk-based SSL but was less than the MCP S-1/ GW-1 Standard. It was detected in 1 of 68 samples. It was not detected in the groundwater.

Based on these findings, VOCs and SVOCs will not be evaluated in the Feasibility Study.

7.3.2.6 Polychlorinated Biphenyls

Only one of the seven Aroclors analyzed for (i.e., Aroclor 1260) was detected in one of 65 soil samples. This single detection exceeded the MMR SSL but was less than the MCP S-1/GW-1 Standard and the EPA risk-based SSL. Although the maximum detected concentration of Aroclor 1260 in groundwater exceeded its HA and the RSL, it was less than the MCL and the MCP GW-1 Standard. Therefore, PCBs will not be evaluated in the Feasibility Study.

7.3.3 Area 3 - Artillery Range, Demolition Area and Explosive Storage Bunker

Table 7-4 presents the comparisons to the screening criteria for the Artillery Range, Demolition Area, and Explosive Storage Bunker area.

7.3.3.1 Explosives and Perchlorate

Ten explosives were detected by Method 8330 in at least one soil sample from Area 3. One additional explosive (2,6-DNT) was detected only by Method 8270. The following explosives related compounds and perchlorate that were observed in the soil exceeded at least one of the screening values:

- 2,4-DNT – the maximum detected soil concentration (0.4 mg/Kg by Method 8270 and 0.031 mg/Kg by Method 8330) exceeded the MMR SSL, the EPA risk-based SSL, and the MassDEP leaching concentration but was less than the MCP S-1/GW-1 Standard. 2-4-DNT was detected in less than 2% of all soil samples analyzed by either method. 2,4-DNT was detected in 2 of 1576 groundwater samples analyzed by Method 8330. 2,4-DNT was not detected in any of the 83 groundwater samples analyzed by Method 8270.
- TNT – the maximum detected soil concentration (0.18 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. However, it was below the calculated MCP Method 2 S-1 value for TNT. TNT was detected in less than 2% of all soil samples. TNT has not been detected in groundwater since 2005.
- 2-Amino-4,6-DNT – the maximum detected soil concentration (0.39 mg/Kg) exceeded the MMR SSL, the EPA risk-based SSL and the MassDEP leaching concentration but was less than the MCP S-1/GW-1 Standard. It was detected in 5 of 379 samples (FOD = 1.3%). It was not detected in groundwater at concentrations above its groundwater screening criteria.
- 2,6-DNT – the single detected soil concentration (estimated 0.032 mg/Kg by Method 8270) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in one of 295 samples (FOD = 0.1%) by Method 8270 and was not detected in any of the 379 samples analyzed by Method 8330. It was not detected in the groundwater.

- 4-Amino-2,6-DNT – the maximum detected soil concentration (0.25 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 3 of 379 samples (FOD = 0.8%). It was not detected in the groundwater at concentrations above its screening criteria.
- RDX – the maximum detected soil concentration (0.34 mg/Kg) exceeded the MMR SSL, the EPA risk-based SSL, and the MassDEP leaching concentration but was less than the MCP S-1/GW-1 Standard. It was detected in 4 of 379 samples (FOD = 1.1%). Three of these four samples were associated with BIP activities. It was detected in the groundwater at concentrations above its groundwater screening criteria.
- Nitroglycerin – the single tentatively identified detection (0.047 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. However, it is below the calculated MCP Method 2 S-1 value. Nitroglycerin has not been detected in groundwater.
- Perchlorate – the maximum detected soil concentration (0.033 mg/Kg) exceeded the MMR SSL and MassDEP leaching concentration but was less than the MCP S-1/GW-1 Standard. The average concentration was less than the soil screening criteria. It was detected in 20 of 236 samples. Of the seven detected concentrations that exceeded the MassDEP leaching concentration, five were associated with BIP activities. Perchlorate has been detected in groundwater at concentrations above its groundwater screening criteria.
- HMX – the single detected soil concentration (25 mg/Kg at location SS15030-E 0-0.25 feet bgs) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, the EPA risk-based SSL, and the MassDEP leaching concentration. Two other samples from subsequent depth intervals were non-detect for HMX. The average concentration was less than the soil screening criteria. HMX was detected in 1 of 379 samples (FOD = 0.3%). It was detected in the groundwater, but at concentrations below its groundwater screening criteria.
- Tetryl – the maximum detected soil concentration (0.14 mg/Kg) exceeded the MMR SSL but was less than the EPA risk-based SSL. It was detected in 2 of 378 samples (FOD = 0.5%). It was not detected in the groundwater.

Based on these findings, none of the explosives and perchlorate in Area 3 soil will be evaluated in the Feasibility Study.

7.3.3.2 Metals and Inorganics

As presented on Table 7-4, a number of metals and inorganics were detected in the soil. The maximum detected concentrations of a number of metals exceeded at least one of their respective screening levels. However, the site concentrations for the majority of the metals were comparable to background levels. The exceptions to this were arsenic, boron, cadmium, chromium, cobalt, copper, iron, lead, molybdenum, nickel, and thallium which are discussed in more detail below. A total of 28 soil samples were collected from bore holes 19 and 20 and location SS102NB, and were analyzed for titanium. However, there are no screening values including background for titanium.

- Arsenic – the maximum soil concentration (47.5 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, and the EPA risk-based SSL. The average concentration (3.2 mg/Kg) was less than the MCP S-1/GW-1 Standard and was comparable to background.
- Boron – the maximum soil concentration (103 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (2.6 mg/Kg) was comparable to background. Boron has been detected in groundwater, but at concentrations below its screening criteria.
- Cadmium – the maximum soil concentration (117 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, and the EPA risk-based SSL. The average concentration (1.3 mg/Kg) was less than the MCP Standard and was consistent with background. Only 17 of the 316 samples exceeded the MCP S-1/GW-1 Standard, which is based on background. This indicates that cadmium is not present at elevated levels across Area 3.
- Chromium – the maximum soil concentration (157 mg/Kg) exceeded the MCP S-1/GW-1 Standard and the MMR SSL. The average concentration (15.2 mg/Kg) is consistent with background and below the MCP S-1/GW-1 Standard. Only 2 of the 316 samples exceeded the MCP S-1/GW-1 Standard. This indicates that chromium is not present at elevated levels across Area 3.
- Cobalt – the maximum soil concentration (32.6 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (3.7 mg/Kg) was comparable to background. Cobalt has been detected in groundwater, but at concentrations below its screening criteria.
- Copper – the maximum soil concentration (an estimated 2,080 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (46.8 mg/Kg) was slightly greater than the SSLs and the background concentration. Forty five of the 322 samples exceeded the lowest SSL, indicating that copper is not widely present at elevated levels across the area. Copper has been detected in groundwater, but at concentrations below its screening criteria.
- Iron – the maximum soil concentration (254,000 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (11,072 mg/Kg) was comparable to background. Iron was detected in the groundwater, but at concentrations below its screening criteria.
- Lead – the maximum soil concentration (204 mg/Kg) exceeded the MCP S-1/GW-1 Standard, MMR SSL and the EPA MCL-based SSL. The average concentration was 13.4 mg/Kg, which is consistent with background. Lead was detected in the groundwater, but at concentrations below its screening criteria.
- Molybdenum – the maximum soil concentration (24.9 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (0.72 mg/Kg) was comparable to background. It was detected in the groundwater, but at concentrations below its screening criteria.
- Nickel – the maximum soil concentration (226 mg/Kg) exceeded the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard. The average concentration

(11 mg/Kg) was less than the screening criteria and consistent with background. This indicates that nickel is not present at elevated levels across the area.

- Thallium – the maximum soil concentration (15.3 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, and the EPA risk-based SSL. The average concentration (0.5 mg/Kg) is consistent with background and below the MCP S-1/GW-1 Standard and the MMR SSL. Only the maximum detected concentration exceeded the MCP S-1/GW-1 Standard. This indicates that thallium is not present at elevated levels across Area 3.

Based on these findings, none of the metals and inorganics will be evaluated in the Feasibility Study.

7.3.3.3 PAHs

Several PAHs were detected in the soil. The PAHs were detected sporadically throughout the area. The FOD values ranged from 0.3% to 4%. The maximum detected concentrations of six PAHs exceeded at least one of their respective screening values but all were less than MCP S-1/GW-1 Standards. The detected concentrations of PAHs are consistent with background levels for natural soil (MassDEP 1992). Based on these findings, PAHs will not be evaluated in the Feasibility Study.

7.3.3.4 Pesticides and Herbicides

Several pesticides and herbicides were detected in the soil. The FOD values ranged from 0.7% to 11%. The distribution and concentration of pesticides and herbicides in Area 3 soils are presumed to be consistent with application in accordance with manufacturer's guidelines. The maximum detected concentrations for the pesticides and herbicides listed below exceeded at least one of their respective screening values.

- Beta BHC – the single detected soil concentration (0.001 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. Beta BHC was detected in groundwater at concentrations below its screening criteria.
- Dieldrin – the single detected soil concentration (estimated 0.0026 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard. It was not detected in the groundwater.
- Gamma-Chlordane – the single detected soil concentration (estimated 0.0013 mg/Kg) exceeded the MMR SSL but was less than the MCP S-1/GW-1 Standard and the EPA risk-based SSL. It was detected in groundwater at concentrations below its screening criteria.
- Heptachlor – the single detected soil concentration (estimated 0.0013 mg/Kg) exceeded the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard and the MMR SSL. Heptachlor was detected in 2 of 151 groundwater samples but was not detected in subsequent samples from the same monitoring wells.
- Heptachlor epoxide – the single detection (estimated 0.0012 mg/Kg) exceeded the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard and the MMR SSL. It was not detected in the groundwater.

- MCPP – the maximum detected soil concentration (an estimated 40 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in three of 140 samples (FOD = 2%). All three detections were observed in samples from locations SS102MA and were collected in October 2000. As discussed in Section 7.2.3, these results are likely to be false positives.

Based on these findings, pesticides and herbicides will not be evaluated in the Feasibility Study.

7.3.3.5 VOCs and SVOCs

Several VOCs and SVOCs were detected in the soil. The analytes were detected sporadically throughout the area. The following analytes that were observed in the Area 3 soil (see Table 7-4) exceeded at least one of their respective screening values:

- Acetone – the maximum soil concentration (an estimated 0.43 mg/Kg) exceeded the MMR SSL but was less than the MCP S-1/GW-1 Standard and the EPA risk-based SSL. Acetone was detected in 89% of samples, consistent with being a laboratory contaminant. It was detected in groundwater at concentrations below its screening criteria.
- Benzene – the maximum soil concentration (an estimated 0.002 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard. It was detected in 7 of 143 samples (FOD = 5%).
- Bis(2-ethylhexyl)phthalate – the maximum soil concentration (an estimated 8.6 mg/Kg) exceeded the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard and the MMR SSL. It was detected in 68 of 295 samples. Only three of the 68 detected concentrations exceeded the EPA risk-based SSL. The presence of BEHP appears to be an artifact of the investigation methods where it was introduced to the samples from plastic equipment used during collection and analysis.
- Bromomethane – the maximum soil concentration (0.02 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard. It was detected in 19 of 141 samples. It was detected in the groundwater at concentrations below its screening criteria.
- Chloromethane – the maximum soil concentration (an estimated 0.004 mg/Kg) exceeded the MMR SSL but was less than the EPA risk-based SSL. It was detected in 4 of 141 samples (FOD = 3%). It was detected in groundwater at concentrations below its screening criteria.
- Di-n-butyl phthalate – the maximum soil concentration (2.4 mg/Kg) exceeded the EPA risk-based SSL but was less than the MMR SSL. There is no MCP Method 1 S-1/GW-1 Standard for di-n-butyl phthalate. It was detected in 30 of 295 samples. It was detected in groundwater at concentrations below its screening criteria.
- Ethylbenzene – the single detection (estimated 0.0063 mg/Kg) exceeded the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard and the MMR SSL. It was detected in one of 143 samples (FOD = <1%). Ethylbenzene was not detected in groundwater.

- N-nitrosodiphenylamine – the maximum soil concentration (an estimated 0.25 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 8 of 295 samples (FOD = 3%). It was not detected in the groundwater.
- Pentachlorophenol – the maximum soil concentration (an estimated 0.092 mg/Kg) exceeded the MMR SSL, the EPA risk-based SSL, and the MassDEP leaching concentration but was less than the MCP S-1/GW-1 Standard. It was detected in 5 of 353 samples (FOD = 1%). It was not detected in the groundwater.

Based on these findings, VOCs and SVOCs will not be evaluated in the Feasibility Study.

7.3.3.6 Polychlorinated Biphenyls

Only two of the seven Aroclors analyzed for (i.e., Aroclors 1254 and 1260) were detected in the soil samples. Aroclor 1254 was detected in 1 of 148 samples, and Aroclor 1260 was detected in 2 of 148 soil samples. These detections exceeded their respective MMR SSLs and the EPA risk-based SSLs but were less than the MCP S-1/GW-1 Standard. Although the maximum detected concentration of Aroclor 1260 in groundwater exceeded its HA and the RSL, it was less than its MCL and the MCP GW-1 Standard. Aroclor 1254 was not detected in groundwater. Based on these findings, PCBs in Area 3 soils will not be evaluated in the Feasibility Study.

7.3.3.7 Aliphatic and Aromatic Hydrocarbons

Aliphatic and aromatic hydrocarbons were detected in two samples collected from the area (the fraction C19-C36 aliphatic hydrocarbons in only one sample). The observed concentrations were less than their respective MCP S-1/GW-1 Standards. Based on these findings, hydrocarbons will not be evaluated in the Feasibility Study.

7.3.4 Area 4 - Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area

Table 7-5 presents the comparisons of the detected concentrations to the screening criteria for the Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area.

7.3.4.1 Explosives and Perchlorate

2-Amino-4,6-DNT and 4-amino-2,6-DNT were the only explosives detected in the soil. They were detected in one of 163 samples (FOD = 0.6%). 2-Amino-4,6-DNT did not exceed any of its screening criteria. The concentration of 4-amino-2,6-DNT (0.014 mg/Kg) observed in this sample exceeded the MMR SSL, but it was not detected in the groundwater at concentrations that exceeded the groundwater screening criteria. Based on these findings, explosive compounds and perchlorate will not be evaluated in the Feasibility Study.

7.3.4.2 Metals and Inorganics

As presented on Table 7-5, a number of metals and inorganics were detected in the soil. The maximum detected concentrations of a number of metals exceeded at least one of their respective screening levels. However, the average (and generally the maximum detected) site

concentrations for the all of the metals were consistent with background levels. The exceptions are discussed below.

- Chromium – the maximum detected soil concentration (55.8 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL but was less than the MCP Method 1 S-1/GW-1 Standard. The average concentration (10.4 mg/Kg) was less than the background concentration. This indicates that chromium is not widely present at elevated levels across the area.
- Copper – the maximum detected soil concentration (132 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (6.1 mg/Kg) was less than the SSLs and the background concentration. Two of the 191 samples exceeded the lowest SSL, indicating that copper is not widely present at elevated levels across the area. Copper has been detected in groundwater, but at concentrations below its screening criteria.
- Lead – the maximum soil concentration (153 mg/Kg) exceeded the MMR SSL and the EPA MCL-based SSL but was less than the MCP Method 1 S-1/GW-1 Standard. The average concentration was 7.4 mg/Kg, which is consistent with background. It was detected in the groundwater, but at concentrations below its screening criteria.
- Cyanide – the maximum detected soil concentration exceeded the MMR SSL and the EPA risk-based SSL but was below the MCP S-1/GW-1 Standard. Cyanide was not detected in groundwater.

Based on these findings, none of the metals and inorganics will be evaluated in the Feasibility Study.

7.3.4.3 PAHs

Only one PAH (phenanthrene) was detected in the soil. It was detected in one sample. The observed concentration was less than its screening criteria. Based on these findings, PAHs will not be evaluated in the Feasibility Study.

7.3.4.4 Pesticides and Herbicides

Several pesticides and herbicides were detected in the soil. The FOD values ranged from 0.8% to 5%. The distribution and concentration of pesticides and herbicides in Area 4 soils are presumed to be consistent with application in accordance with manufacturer's guidelines. The maximum detected concentrations for the pesticides and herbicides listed below exceeded at least one of their respective screening values.

- Acifluorfen – the maximum detected soil concentration (estimated 0.011 mg/Kg) exceeded the MMR SSL. It was detected in 4 of 116 samples (FOD = 3%). It was not detected in the groundwater.
- Beta-BHC – the maximum detected soil concentration (estimated 0.0014 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in two of 123 samples (FOD = 2%). Beta BHC was detected in groundwater at concentrations below its screening criteria.

- MCPP – the single detected soil concentration exceeded the MMR SSL and the EPA risk-based SSL. As discussed in Section 7.2.3, this result is likely to be a false positive.

Based on these findings, pesticides and herbicides will not be evaluated in the Feasibility Study.

7.3.4.5 VOCs and SVOCs

Several VOCs and SVOCs were detected in the soil. The analytes were detected sporadically throughout Area 4. The following VOCs and SVOCs that were observed in the soil exceeded at least one of the screening values:

- Acetone – the maximum soil concentration (an estimated 0.63 mg/Kg) exceeded the MMR SSL but was less than the MCP S-1/GW-1 Standard and the EPA risk-based SSL. Acetone was detected in 89% of samples, consistent with being a laboratory contaminant. It was detected in groundwater at concentrations below its screening criteria.
- Bis(2-ethylhexyl)phthalate – the maximum soil concentration (an estimated 2.6 mg/Kg) exceeded the EPA risk-based SSL. It was detected in 23 of 146 samples. Only one of the detected concentrations exceeded the SSL. The presence of BEHP appears to be an artifact of the investigation methods where it was introduced to the samples from plastic equipment used during collection and analysis.
- Bromoform – the maximum soil concentration (an estimated 0.005 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. Only 7 of the 122 samples exceeded the SSLs.
- Bromomethane – the maximum soil concentration (an estimated 0.003 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 3 of 122 samples (FOD = 2%).
- N-nitrosodiphenylamine – the single detected soil concentration (an estimated 0.28 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was not detected in the groundwater.
- Pentachlorophenol – the maximum detected soil concentration (an estimated 3.7 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, the EPA risk-based SSL, and the MassDEP leaching concentration. The average concentration was less than the MCP Standard. It was detected in 6 of 186 samples (FOD = 3%). Pentachlorophenol was not detected in groundwater.

Based on these findings, VOCs and SVOCs will not be evaluated in the Feasibility Study.

7.3.5 Area 5 - Hillside Study Area

Table 7-6 presents the comparisons of the detection concentrations to the screening values at the Hillside Study Area (Area 5).

7.3.5.1 Explosive Compounds and Perchlorate

The following explosives related compounds that were observed in the soil exceeded at least one of their respective screening criteria:

- 2,4-DNT – the maximum detected soil concentration (an estimated 0.027 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL, but was below the MCP S-1/GW-1 Standard. It was detected in 2 of 110 samples (FOD = 1.8%) by Method 8330 and was not detected by in any of the 90 samples analyzed by Method 8270. 2,4-DNT was detected in 2 of 1576 groundwater samples analyzed by Method 8330. 2,4-DNT was not detected in any of the 83 groundwater samples analyzed by Method 8270.
- 2,6-DNT – the maximum detected soil concentration (an estimated 0.014 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 1 of 110 samples (FOD = 0.9%) by Method 8330 and was not detected in any of the 90 samples analyzed by Method 8270. 2,6-DNT was not detected in groundwater.
- 2-NT – the maximum detected soil concentration (0.049 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in only 1 of 110 samples (FOD = 0.9%). 2-NT was detected in 1 of 1,576 groundwater samples (FOD = 0.06%). It has not been detected in groundwater since 1997.

Based on these findings, explosives will not be evaluated in the Feasibility Study.

7.3.5.2 Metals and Inorganics

As presented on Table 7-6, a number of metals and inorganics were detected in the soil. The maximum detected concentrations of a number of metals exceeded at least one of their respective screening criteria. However, the site concentrations for the majority of the metals were similar to background levels. The exceptions to this were copper, iron, and lead, which are discussed in more detail below.

- Copper – the maximum soil concentration (3,210 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (50.3 mg/Kg) was above the background level and the SSLs. Only 14 of the 101 samples exceeded the lowest of the SSLs. Copper was not detected in groundwater at concentrations above its screening criteria. This indicates that copper is not present at elevated levels across the area.
- Iron – the maximum soil concentration (123,000 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (12,350 mg/Kg) was consistent with background. Iron was not detected in groundwater at concentrations above its screening criteria.
- Lead – the maximum soil concentration (852 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL and the EPA MCL-based SSL. The average concentration (35 mg/Kg) was less than the MCP S-1/GW-1 Standard and comparable to background. Only three detected concentrations exceeded its MCP Standard.

Based on these findings, none of the metals and inorganics will be evaluated in the Feasibility Study.

7.3.5.3 PAHs

Several PAHs were detected in the soil. The PAHs were detected sporadically throughout the area. The FOD values ranged from 1.1% to 20%. The maximum detected concentrations of four

PAHs exceeded the EPA risk-based SSLs but were less than the MCP S-1/GW-1 Standards. The FOD for these PAHs was 1.1% to 1.2% (each was detected in only one soil sample). The detected concentrations of PAHs are consistent with background levels for natural soil (MassDEP, 1992). Based on these findings, PAHs will not be evaluated in the Feasibility Study.

7.3.5.4 VOCs and SVOCs

Several VOCs and SVOCs were detected in the soil. The analytes were detected sporadically throughout the area. The following VOCs and SVOCs that were observed in the soil (see Table 7-6) exceeded at least one of the screening values:

- Acetone – the maximum soil concentration (an estimated 0.27 mg/Kg) exceeded the MMR SSL but was less than the MCP S-1/GW-1 Standard and the EPA risk-based SSL. Acetone was detected in 97% of samples, consistent with being a laboratory contaminant. It was detected in groundwater at concentrations below its screening criteria.
- Chloroform – the maximum soil concentration (an estimated 0.006 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. Chloroform was detected in groundwater at concentrations above screening levels, but as discussed in Section 7.2.5 it is ubiquitous in the groundwater as a result of natural conditions.
- N-nitrosodiphenylamine – the single detected soil concentration (an estimated 0.043 mg/Kg) exceeded the MMR SSL but was less than the EPA risk-based SSL. It was not detected in the groundwater.

Based on these findings, VOCs and SVOCs will not be evaluated in the Feasibility Study.

7.3.6 Area 6 - Barrage Rocket Study Area

Table 7-7 presents the comparisons of the detection concentrations to the screening values at the Barrage Rocket Study Area (Area 6).

7.3.6.1 Explosives and Perchlorate

The following explosives related compounds and perchlorate that were observed in the soil at a maximum concentration that exceeded at least one of their respective screening criteria:

- 2,4-DNT – the maximum detected soil concentration (0.46 mg/Kg by Method 8270 and estimated 1.33 mg/Kg by Method 8330 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, the EPA risk-based SSL, and the MassDEP leaching concentration. The average concentration of 2,4-DNT in the soil of this area was less than the MCP Standard. 2,4-DNT was detected in 3 of 200 samples (FOD = 1.7%) by Method 8270 and 5 of 263 samples (FOD = 1.9%) by Method 8330. 2,4-DNT was detected in 2 of 1576 groundwater samples analyzed by Method 8330. 2,4-DNT was not detected in any of the 83 groundwater samples analyzed by Method 8270.
- 2-Amino-4,6-DNT – the maximum detected soil concentration (2.42 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, the EPA risk-based SSL and the

MassDEP leaching soil concentration. It was detected in 11 of 264 samples (FOD = 4%). It was not detected in groundwater at concentrations above its screening criteria.

- TNT – the maximum detected soil concentration (117 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. TNT does not have an MCP S-1/GW-1 Standard. The calculated MCP Method 2 S-1 value is 32 mg/Kg. The two highest results exceed this value but the average concentration is below the calculated MCP Method 2 S-1 value. It was detected in 23 of 267 samples (FOD = 9%). TNT has not been detected at any of the groundwater monitoring wells since 2005 (some 354 samples from 79 groundwater monitoring wells).
- 2,6-DNT – the maximum detected soil concentration (an estimated 0.1 mg/Kg by Method 8330) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 3 of 263 samples (FOD = 0.6%) by Method 8330 and was not detected in any of the 200 samples analyzed by Method 8270. 2,6-DNT was not detected in the groundwater.
- 2-NT – the maximum detected soil concentration (0.071 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 2 of 263 samples (FOD = 0.8%). 2-NT was detected in 1 of 1,576 groundwater samples (FOD = 0.06%). It has not been detected in the groundwater since 1997.
- 3-NT – the maximum (and only) detected soil concentration (0.058 mg/Kg) exceeded the EPA risk-based SSL. It was detected in 1 of 263 samples (FOD = <1%). It was not detected in the groundwater.
- 4-Amino-2,6-DNT – the maximum detected soil concentration (3.22 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. It was detected in 9 of 263 samples (FOD = 3%). It was not detected in the groundwater at concentrations above its screening criteria.
- RDX – the maximum detected soil concentration (0.026 mg/Kg) exceeded the MMR SSL, the EPA risk-based SSL, and the MassDEP leaching concentration but was less than the MCP S-1/GW-1 Standard. It was detected in 2 of 263 samples (FOD = 0.8%). It was detected in the groundwater at concentrations exceeding its groundwater screening criteria.
- Nitrobenzene – the maximum detected soil concentration (0.12 mg/Kg) exceeded the EPA risk-based SSL. It was detected in two of 263 samples (FOD = 0.4%) by Method 8330 and was not detected in any of the 200 samples analyzed by Method 8270. It was not detected in the groundwater.
- Nitroglycerin – the maximum detected soil concentration (33 mg/Kg) exceeded the MMR SSL, the EPA risk-based SSL and the calculated MCP Method 2 S-1 value. Three other samples from this same location (SS348-A) were non-detect for nitroglycerin. It was detected in 14 of 261 samples (FOD = 5%) but was not detected in the groundwater.
- Tetryl – the maximum detected soil concentration (2.62 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. There is no MCP Method 1 S-1/GW-1 Standard for tetryl. It was detected in 2 of 263 samples (FOD = 0.8%). It was not detected in the groundwater.
- Perchlorate – the maximum detected soil concentration (0.51 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, and the MassDEP leaching concentration. However,

the average perchlorate concentration (0.004 mg/Kg) was less than the MCP Standard. It was detected in 17 of 156 samples (FOD = 11%). Only the maximum detected concentration exceeded the MCP S-1/GW-1 Standard.

Given the low concentrations, low FOD, biodegradability and/or lack of groundwater detections, none of these explosives will be evaluated in the Feasibility Study.

7.3.6.2 Metals and Inorganics

As presented on Table 7-7, a number of metals and inorganics were detected in the soil. The maximum detected concentrations of a number of metals exceeded at least one of their respective screening levels. However, the site concentrations for the majority of the metals were similar to background levels. The exceptions to this were cadmium, copper, lead, manganese, nickel, and cyanide which are discussed in more detail below.

- Cadmium – the maximum soil concentration (31.7 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard. The average concentration (1.0 mg/Kg) was consistent with background. Most of the elevated cadmium results were associated with BIP samples.
- Copper – the maximum soil concentration (1,840 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (34 mg/Kg) also exceeded the EPA risk-based SSL. Only 38 of the 220 samples exceeded the SSLs. Most of the elevated copper results were associated with BIP samples.
- Lead – the maximum soil concentration (462 mg/Kg) exceeded the MCP S-1/GW-1 Standard, the MMR SSL, and the EPA MCL-based SSL. Only the maximum concentration exceeded the MCP S-1/GW-1 Standard and the average concentration (19 mg/Kg) was less than the MCP S-1/GW-1 Standard and equal to the background concentration.
- Manganese – the maximum soil concentration (1,460 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL. The average concentration (72 mg/Kg) was consistent with background. Most of the elevated manganese results were associated with BIP samples.
- Nickel – the maximum soil concentration (121 mg/Kg) exceeded the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard and the MMR SSL. The average concentration (7 mg/Kg) was consistent with background.
- Cyanide – the maximum detected concentration (5.3 mg/Kg) of cyanide exceeded the MMR SSL and the EPA risk-based SSL, but was below its MCP S-1/GW-1 Standard. Cyanide was not detected in groundwater.

Most of the locations with elevated metals results are associated with BIP activities and were evaluated under the BIP program. Based on these findings, none of the metals and inorganics will be evaluated in the Feasibility Study.

7.3.6.3 PAHs

Several PAHs were detected in the soil. The PAHs were detected sporadically throughout the area. The FOD values ranged from 0.5% to 2%. The maximum detected concentrations of three PAHs exceeded at least one of their respective screening values (i.e., benzo(a)pyrene,

benzo(b)fluoranthene, and naphthalene). However, none of the maximum detected concentrations of these PAHs exceeded their respective MCP S-1/GW-1 Standards. Based on these findings, PAHs will not be evaluated in the Feasibility Study.

7.3.6.4 Pesticides and Herbicides

A limited number of pesticides and herbicides were detected in the soil. The distribution and concentration of pesticides and herbicides in Area 6 soils are presumed to be consistent with application in accordance with manufacturer's guidelines. The detected concentrations for the pesticides and herbicides listed below exceeded at least one of their respective soil screening criteria.

- Acifluorfen – the single detected soil concentration exceeded the MMR SSL. Acifluorfen was not detected in the area groundwater.
- Bentazon – the single detected soil concentration exceeded the MMR SSL and the EPA risk-based SSL. Bentazon also was not detected in the area groundwater.
- Beta-BHC – the single detected soil concentration exceeded the MMR SSL and the EPA risk-based SSL. Beta BHC was detected in the area groundwater but at concentrations below its groundwater screening criteria.

Based on these findings, pesticides and herbicides will not be evaluated in the Feasibility Study.

7.3.6.5 VOCs and SVOCs

Several VOCs and SVOCs were detected in the soil. The analytes were detected sporadically throughout the area. The following VOCs and SVOCs that were observed in the soil (see Table 7-7) exceeded at least one of their respective screening criteria:

- Acetone – the maximum soil concentration (an estimated 1.1 mg/Kg) exceeded the MMR SSL but was less than the MCP S-1/GW-1 Standard and the EPA risk-based SSL. Acetone was detected in 75% of samples, consistent with being a laboratory contaminant. It was detected in groundwater at concentrations below its screening criteria.
- Benzyl alcohol – the maximum soil concentration (0.69 mg/Kg) exceeded the EPA risk-based SSL. Benzyl alcohol was not detected in the J-3 Range groundwater.
- Chloroform – the maximum soil concentration (an estimated 0.0039 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard. Chloroform is ubiquitous in the groundwater as a result of natural conditions.
- Hexachlorobenzene – the single detected soil concentration (an estimated 0.07 mg/Kg) exceeded the MMR SSL and the EPA risk-based SSL but was less than the MCP S-1/GW-1 Standard. Hexachlorobenzene was not detected in the groundwater.
- Hexachloroethane – the single detected soil concentration (an estimated 0.068 mg/Kg) exceeded the EPA risk-based SSL. Hexachloroethane was not detected in the groundwater.
- N-nitrosodiphenylamine – the single detected soil concentration (an estimated 0.043 mg/Kg) exceeded the MMR SSL but was less than the EPA risk-based SSL. It was not detected in groundwater.

Based on these findings, VOCs and SVOCs in Area 6 soil will not be evaluated in the Feasibility Study.

7.3.7 Soil Evaluation Summary

There were single detections of 2,4-DNT, 2,6-DNT and 2-NT in Area 1. The only exceedance of an MCP S-1/GW-1 Standard was of 2,4-DNT by Method 8330, which was associated with sample SS102VF.

The maximum detected concentration of nitroglycerin in Area 2 exceeded the calculated MCP Method 2 S-1 value. Five other samples from the same location (SS102DA) were non-detect for nitroglycerin. Only the maximum detected concentration of phenol exceeded the MCP Method 1 S-1/GW-1 Standard. The two highest TNT results (117 mg/Kg at location SSJ3B06 and 61 mg/Kg at location SS362-A) exceed the calculated MCP Method 2 S-1 value, but the average concentration is below this value. The two detections of 1,2-DCE exceeded the MCP S-1/GW-1 Standard. The average concentrations of both phenol and 1,2-DCE were below screening criteria. Only the maximum detected concentrations of chromium and nickel exceeded the MCP Method 1 S-1/GW-1 Standard. The average concentrations of chromium and nickel were comparable to background levels.

The single detected concentration of HMX (25 mg/Kg in sample SS15030-E) in Area 3 exceeded the MCP S-1/GW-1 Standard. Two other samples from subsequent depth intervals were non-detect for HMX and the average concentration was less than the soil screening criteria. The maximum concentrations of several metals (arsenic, cadmium, chromium, lead, and thallium) exceeded the MCP S-1/GW-1 Standard. The average concentrations of these metals were consistent with background.

The only exceedance of an MCP S-1/GW-1 Standard in Area 4 was for pentalchlorophenol. The maximum detected soil concentration (an estimated 3.7 mg/Kg) exceeded the MCP S-1/GW-1 Standard but the average concentration was less than the MCP Standard (3 mg/Kg).

Detections of lead in Area 5 exceeding the MCP S-1/GW-1 Standard (200 mg/Kg) were observed in three samples. The average concentration of lead (35 mg/Kg) was less than the MCP S-1/GW-1 Standard and comparable to background.

Only the maximum detected concentration of 2,4-DNT in Area 6 (estimated 1.33 mg/Kg by Method 8330 and 0.46 mg/Kg by Method 8270 in sample location SSJ3BRSG08) exceeded the MCP S-1/GW-1 standard (0.7 mg/Kg). The five highest concentrations of nitroglycerin exceeded the calculated MCP Method 2 S-1 value. In each of these five locations, the highest concentration of nitroglycerin was observed in the uppermost sample interval (0 to 3 inches) and nitroglycerin was not detected in the deepest sample interval (6 to 12 inches). Only the maximum detected concentration of perchlorate (0.51 mg/Kg in sample location SS361-A) exceeded the MCP Method 1 S-1/GW-1 Standard (0.1 mg/Kg). Only the maximum detected concentration of lead (462 mg/Kg at sample location SS10704-A) exceeded the MCP S-1/GW-1 Standard (200 mg/Kg). The area-wide average concentration was less than the MCP S-1/GW-1 Standard and comparable to background.

8.0 INVESTIGATION FINDINGS

The following presents the summary and findings of the J-3 Range remedial investigation.

8.1 Groundwater Contamination

This section summarizes recent results concerning the RDX and perchlorate plumes.

RDX

The extent of the J-3 Range RDX plume, as defined by concentrations of RDX above 0.6 µg/L (3,400-feet long and 500-feet wide) (Figures 3-2, 3-3 and 3-4), does not extend as far downgradient and is not as wide as depicted prior to the startup of the GW RRA ETR system (4,800-feet long and 900-feet wide). The plume, as defined by RDX concentrations above the health advisory (HA) (2 µg/L), is approximately 2,500-feet long and 200-feet wide. The change in RDX extent is due to mass removal from the J-3 Range ETR system and natural attenuation. The most recent maximum RDX concentration is lower (7.5 µg/L, MW-198M4; 06 August 2013) than the maximum reported prior to the startup of the GW RRA ETR system (35 µg/L, MW-343M2, 2005). However, historic concentrations (37.6J µg/L) in this well indicate that the core of the RDX plume has migrated from MW-343 south to MW-227 and is currently downgradient of MW-227. This is also reflected in the increase in RDX concentrations in the two downgradient extraction wells (J3EW0032 and 90EW0001) (Table 3-1).

Perchlorate

The extent of the J-3 Range perchlorate plume, as defined by concentrations of perchlorate above the Massachusetts maximum contaminant level (MMCL) of 2 µg/L (3,500-feet long and 450-feet wide) (Figures 3-5, 3-6 and 3-7), has become slightly shorter and more narrow since prior to the startup of the groundwater RRA ETR (3,700-feet long and 900-feet wide). The western boundary in the downgradient portion of the plume has moved to the east of extraction well J3EW0032 where concentrations are well below the 15 µg/L previously reported due to J3EW0032 mass removal. The area where concentrations exceed 15 µg/L is also narrower, likely due to mass removal by extraction well J3EWIP1. Concentrations above 200 µg/L are no longer observed in the monitoring well network, however concentrations as high as 350 µg/L were detected in drive point profile samples collected in 2012 downgradient of MW-198 and upgradient of J3EWIP1. The vertical extent of the plume, based on the 2 µg/L contour is comparable to the previous depictions; however, the major difference is the thinning of the higher concentration contours in the plume.

Through mass removal via the ETR system and natural attenuation, perchlorate concentrations have decreased throughout most of the plume (Figure 3-4). The location of the historic maximum plume concentration of 770 µg/L (MW-198M3, June 2005) has decreased most recently to a concentration of 2.7 µg/L (MW-198M3, 06 August 2013). Significant decreases have been observed in areas in proximity to extraction wells, specifically at locations MW-343, MW-142, and MW-247 (Figure 3-4). However, significantly higher perchlorate concentrations are currently observed in the influent to extraction well J3EWIP1 (i.e., 17.3 µg/L, July 2013), indicating the presence of much higher perchlorate concentrations within the J-3 plume than what is presently being detected by the chemical monitoring network. Perchlorate

concentrations in source area well MW-163S have declined from a maximum of 120 µg/L (June 2005) to 4.5 µg/L in the latest sampling event (30 July 2013).

Conceptual Site Model and Risk Screening

The Conceptual Site Model, based on known range use activities and the presence of soil contaminants, suggest testing and disposal activities at and in the vicinity of the Demolition Area and Artillery Range, and the Melt/Pour building, as the primary source of the J-3 Range perchlorate and RDX plume.

A human health risk screening was conducted for the J-3 Range groundwater (1997 to 2013 data). The objective of the risk screening was to identify any contaminant detected in the J-3 Range groundwater that requires further evaluation. The maximum detected concentration of each analyte was compared against its MCL, HA, RSL or GW-1 standard. The screening identified a widespread presence of RDX and perchlorate at concentrations exceeding the screening criteria. Therefore, RDX and perchlorate will be further evaluated in the Feasibility Study. Other compounds were identified at concentrations exceeding some risk screening criteria, but these compounds were detected infrequently, are associated with naturally occurring background conditions, or are laboratory-related contaminants and therefore were not carried forward to the feasibility study.

8.2 Source Characterization

During the period from 1997 through 2013, 1,700 soil samples were collected from 505 locations within the J-3 Range investigation area. In addition, numerous intrusive investigations of geophysical anomalies were conducted in the J-3 Range study area. Results of historical releases and soil investigations in the Demolition and Artillery Areas as well as the Melt Pour Area, show soil contamination that is consistent with explosives found in downgradient groundwater. These areas are located in Areas 1 and 3 and the extent of the groundwater plume is consistent with sources in these locations. Explosive and perchlorate soil contamination associated with these source areas has been removed as discussed in Section 5.0.

For the soil risk screening, J-3 Range soil data were divided into six discrete subareas, based on the conceptual site model for the different portions of the range. The risk screening identified concentrations of explosives (2,4-DNT, 2,6-DNT, 2-amino-4,6-DNT, 4A 2,6-DNT, 2-NT, tertyl, nitroglycerin, nitrobenzene, HMX, RDX, TNT and perchlorate) exceeding the screening criteria. However, the subareas averages did not exceed the S-1/GW-1 standards. In addition, many of these locations are associated with BIP activities and were allowed to remain in place under BIP protocols. Other contaminants were occasionally detected above screening levels but only at low frequencies. Based on the above findings, there is no further action warranted for soils at the J-3 Range.

The most widespread occurrence of HE projectiles found during intrusive investigations were associated with training activities. HE projectiles from training activities were discovered in each subarea investigated. Discoveries of HE projectiles associated with testing activities were primarily limited to Area 3, in which burial pits and a burn pit were identified, and Area 4. The

potential for residual MEC items, likely consisting of inert projectiles with live fuzes or isolated individual HE items remains.

The largest potential of HE items that could remain on the range would be associated with training activities. High explosives items that could remain on the range include the MK3 4.5-inch Barrage Rocket, M3 4.2-inch mortar, M56 and M43 81mm mortars, and the M49 60mm mortar. It is possible that additional M9 Rifle HEAT Grenades could be found in the southern portion of the J-3 Range. The M6 2.36-inch HEAT rockets that were associated with the testing may be found in the vicinity of the J-3 Range Demolition Area. However, extensive clearance work has been conducted in this area and the likelihood is very low of finding additional rockets. The M433 40mm HEDP grenades could be found around the presumed M550 berm area and contain live fuzing.

9.0 J-3 RANGE FEASIBILITY STUDY

The feasibility study portion of this report presents the evaluation of alternatives to remediate the RDX and perchlorate groundwater plumes at the J-3 Range. The sources of contamination have been removed during the investigation phase resulting in the removal and treatment approximately of 2,400 cubic yards of soil from 15 investigation areas.

The remedies evaluated in the J-3 Range groundwater feasibility study were monitored natural attenuation and focused extraction. These remedies include technologies implemented as part of the J-2 and J-3 rapid response actions (ECC 2005a, c), and evaluated in the feasibility study for Demolition Area 1 (AMEC 2004b). The technology selected for the active remediation alternatives comparison is groundwater extraction, treatment with granular activated carbon (GAC) (for RDX contaminated groundwater) and/or ion-exchange resin (IX) (for perchlorate-contaminated groundwater) and return of treated water back into the aquifer. With GAC adsorption process, groundwater contaminated with explosives is passed through a carbon medium and explosives are adsorbed onto the surface of, or partition into the carbon particles. GAC has also been shown to be an effective treatment for low levels of perchlorate (below 6 µg/L) (AMEC 2004b). Once the capacity of the GAC has been exhausted, the GAC requires regeneration or disposal. IX is a physical-chemical process by which ions, such as perchlorate, are transferred from the liquid phase to the solid phase. Similar to GAC treatment, treatment with IX resin occurs via flow through a porous media. The IX resin removes perchlorate ions from the water and exchanges it for chloride ions bound to the resin. Perchlorate is an anion, which is attracted to the positively charged surface of the IX resins.

The return of treated water back to the aquifer can be accomplished by various methods (e.g., reinjection wells, infiltration trenches, surface water discharge). For the feasibility study, reinjection wells were used conceptually to return water to the aquifer. The specific method will be determined during the well field review and design effort if the selected remedy involves additional treatment.

The following steps were taken to identify alternatives to address the contamination in the J-3 plumes: (1) response action objectives were developed; (2) alternatives were developed to address the objectives; and (3) alternatives were subjected to a detailed assessment based on nine criteria (protection of human health and the environment; compliance with regulations; long-term effectiveness and permanence; reduction of toxicity, mobility or volume; short-term effectiveness; implementability; cost; state acceptance and community acceptance).

10.0 DEVELOPMENT OF ALTERNATIVES

10.1 Response Action Objectives

This section describes the response action objectives and potential response actions for J-3 Range groundwater. Based on preliminary information relating to types of contaminants, environmental media of concern, and potential exposure pathways, response action objectives were developed to aid in the development and screening of alternatives. The response action objectives for the selected response action for the J-3 Range groundwater plume are to restore the useable groundwater to its beneficial use wherever practicable, within a timeframe that is reasonable given the particular circumstances of the site; to provide a level of protection in the aquifer that takes into account that the Cape Cod Aquifer, including the Sagamore Lens, is a sole source aquifer that is susceptible to contamination; and to prevent ingestion and inhalation of groundwater containing COCs (perchlorate and RDX), in excess of federal maximum contaminant levels (MCLs), Health Advisories, drinking water equivalent levels (DWELs), applicable State standards or an unacceptable excess lifetime cancer risk or non-cancer Hazard Index.

RDX concentrations in groundwater between 6 and 0.6 µg/L, are currently equivalent to the 10^{-5} to 10^{-6} risk based level. The NCP uses a risk range of 10^{-6} to 10^{-4} as a "target range" to manage cancer risks as part of a CERCLA cleanup. The 10^{-6} risk level serves as the point of departure for determining remediation goals for alternatives when Applicable or Relevant and Appropriate Requirements (ARARs) are not available. The EPA lifetime Health Advisory for RDX is 2 µg/L. The MCP GW-1 Standard for RDX is 1 µg/L. The perchlorate MMCL is 2 µg/L and the EPA Interim Lifetime Health Advisory for perchlorate is 15 µg/L.

10.2 Regulatory Considerations

Table 10-1 summarizes the federal and state regulatory considerations for the proposed J-3 Range groundwater remedial actions.

10.3 Remedial Alternatives

Remedial alternatives were developed that included:

- A no action alternative to serve as a baseline for alternative comparisons.
- An alternative that, throughout the entire groundwater plume, reduces the contaminant concentrations to background conditions.
- An alternative that, throughout the entire groundwater plume, reduces the contaminant concentrations to levels that meet or exceed the MCLs, health advisories, DWELs, other relevant standards, results in a Hazard Index of 1 or less, and a cumulative 10^{-6} excess cancer risk and non-cancer Hazard Risk of one as rapidly as possible and in less than 10 years and shall require no long-term maintenance.

A range of alternatives from no further action to focused extraction of the J-3 Range plume are considered in this is feasibility study. Contaminated soil has been removed and remediated;

therefore, the range of alternatives does not include any further source area remediation or control. The source area remediation can be considered a part of each alternative.

This section presents the remedial alternatives developed to address contamination at the J-3 Range. The groundwater alternatives are:

- Alternative 1 – No Further Action;
- Alternative 2 – Monitored Natural Attenuation and Land Use Controls;
- Alternative 3 – Focused Extraction with Three Wells, Monitored Natural Attenuation and Land Use Controls (continued operation of current system);
- Alternative 4 – Focused Extraction with Three Wells, Monitored Natural Attenuation and Land Use Controls (optimization of current system);
- Alternative 4A – Focused Extraction with Four Wells, Monitored Natural Attenuation and Land Use Controls; and
- Alternative 5 – Focused Extraction with Six Wells, Monitored Natural Attenuation and Land Use Controls.

Alternative 1 only includes well abandonment and site closeout.

Monitoring and land-use controls are components of Alternatives 2 through 5. Land Use controls consist of measures that would prevent human exposure to plume contaminants or interference with monitoring and/or treatment systems. Land Use controls can be considered in three categories: (i) those that relate to the property that is under the control of the Army through the existing lease between the Commonwealth of Massachusetts and the US Army (i.e. on-post administrative controls), (ii) those that relate to property that is not under the control of the Army (i.e. off-post institutional controls), and (iii) those that relate to the Post after the lease with the Army has expired (i.e. post-lease institutional controls). On-post land-use controls would be established by the Army, Massachusetts National Guard, and any other entity in control of the on-post areas. The program would include monitoring the effectiveness of the institutional controls.

For off-post land-use controls, the Town of Sandwich has established regulations to protect human health. The Town of Sandwich Board of Health amended its private well regulations on 11 April 2005 to prohibit the construction of potable water supply wells for new buildings located in known and documented areas of groundwater contamination if the Sandwich Water District Service is available. For existing buildings, the Board of Health will not approve any new well to be used for human consumption until its water has been tested and the Board of Health has determined that the water is potable. Additional water testing and special standards may be required by the Board of Health if the well is located in an area of potential contamination.

In addition to the Town of Sandwich Board of Health well regulations, the Army will also assess all private wells relative to potential exposure to the J-3 Range groundwater plume. If a potential exposure is identified, the Army will take action to ensure protectiveness. The actions may include well decommissioning, health warnings, supplemental water supply, or treatment. Monitoring of these restrictions and controls will be conducted annually.

If cleanup levels are not attained by the end of the lease with the selected alternative, the Army would develop Land Use controls that would be implemented after the expiration of the Army's lease.

Monitoring would involve periodic analysis of groundwater for RDX and perchlorate to measure the attenuation of the contaminated groundwater, and to confirm that concentrations have decreased below risk-based concentrations. Prior to the termination of the proposed activities, a residual risk-assessment will be conducted pursuant to a work plan approved by EPA, in consultation with MassDEP, to determine if RDX and perchlorate concentrations remaining in the aquifer pose unacceptable human health risks.

The extraction alternatives (Figures 10-1 to 10-4) consist of extraction of groundwater through extraction well(s); (2) treatment of the groundwater through a treatment unit [the treatment unit uses IX to remove perchlorate from the groundwater and GAC to remove explosives from the groundwater]; and (3) infiltration of treated water to the aquifer via reinjection wells.

Each of the alternatives reduces contaminant concentrations to background conditions. In addition, Alternative 5 was designed to reduce the contaminant concentration to levels that meet regulatory and risk-based standards in less than 10 years after the start of treatment.

11.0 DETAILED ANALYSIS OF ALTERNATIVES

11.1 Introduction

The following subsections describe the conceptual design criteria for detailed analysis of each alternative. This section provides a description of the criteria for detailed analysis, groundwater modeling results, and the detailed analysis of the groundwater alternatives. Each alternative is evaluated against the same criteria established by the EPA and discussed below.

11.2 Criteria for Detailed Evaluation

Relative performance of each alternative is evaluated using the following nine criteria:

1. Overall protection of human health and the environment; this shall include prevention of the movement of contaminants into the aquifer and its preservation as a public drinking water supply.
2. Compliance with regulations, including:
    - Federal regulations; and
    - State regulations

3. Long-term effectiveness and permanence, considering:
    - The risks remaining after completion of the remedial action;
    - The adequacy and suitability of controls, if any, that are used to manage untreated contaminants remaining at the site.

4. Reduction of toxicity, mobility, and volume through treatment, including:
    - The expected reduction in toxicity, mobility or volume measured as a percentage or order of magnitude; and
    - The type and quantity of treatment residuals that will remain following treatment.

5. Short-term effectiveness, including:
    - Protection of the community during the remedial action;
    - Protection of workers during the remedial action;
    - Environmental impacts to natural resources; and
    - Time until remedial response objectives are achieved.

6. Implementability, considering:
    - Technical feasibility, including:
        - Construction and operation;
        - Reliability of technology;
        - Ease of undertaking additional remediation, if necessary; and
        - Monitoring considerations, addressing the ability to monitor adequately the effectiveness of the remedy and the risks should monitoring be insufficient to detect a system failure.
    - Administrative feasibility:
    - Availability of services and materials, including:
        - Availability of adequate off-site treatment, storage capacity, and disposal services;

- Availability of necessary equipment and specialists, and any other necessary resources;
- The potential for obtaining competitive bids (especially for innovative technologies); and
- Availability of prospective technologies.

7. Cost, considering:
   - Source removal costs
   - Capital costs, both direct and indirect;
   - Annual O&M costs; and
   - Present worth analysis (or net present value) of costs.

   The cost estimates for the alternatives include capital, annual and periodic costs associated with the anticipated scope of the alternative. These generally include construction costs, operations and maintenance (O&M) costs, system monitoring costs, and reporting costs. When possible, costs were based on actual costs for similar activities performed previously at the JBCC. The general assumptions made for the present value calculations are that costs based on current year (present day) information will escalate at a rate of 5% per year until year zero. After year zero, costs were discounted at a rate dependent on the length of the alternative (2013 Discount rates for OMB Circular No. A-94). A detailed presentation of the cost estimates and present value calculations are provided in Appendix F.

8. State Acceptance, considering the issues and concerns that the State may have regarding each alternative. This criterion will be evaluated throughout the development, screening and evaluation of alternatives based on comments and input received from MassDEP.
9. Community Acceptance which entails an evaluation of issues and concerns the public may have regarding each alternative. This criterion will be evaluated throughout the development, screening and evaluation of alternatives based on comments and input received from the JBCC Cleanup Team (JBCCCT) and public.

11.3 Feasibility Study Groundwater Modeling

Estimates of the J-3 Range groundwater performance of alternatives were developed based on a review of various data and groundwater modeling results. Treatment plant influent results from October 2006 through 2013 were used to calculate the amount of mass that has been removed by the treatment system and to provide a point of comparison to model-predicted mass removal.

The depiction of the perchlorate and RDX plumes at the J-3 Range were revised leading up to the development of this Feasibility Study, using historic groundwater profile and monitoring well data available through 2013 and according to the method outlined in Appendix H. In brief, the existing groundwater flow model for the J-3 Range was used to forward-migrate historic concentrations to their simulated current locations. The forward-migrated concentrations were then used to develop the spatial distribution of the plumes as they might exist at the end of 2013.

To account for the relative lack of historic perchlorate and RDX data within the plume core and around the plume edges, likely boundaries were drawn as lines of control points. These lines of

points were drawn using the simulated locations of contaminant concentrations, along with other factors, including the locations of groundwater sources and sinks and predicted extraction well reverse-particle paths, as a guide. The control points together with a conservatively selected subset of migrated points were then contoured in three dimensions to develop the initial conditions applied to all of the cleanup alternatives. Once the perchlorate and RDX plumes were satisfactorily developed they were mapped to the existing groundwater fate and transport model and used as starting conditions for each of the five cleanup alternatives.

The only modification to the mapped perchlorate and RDX plumes was that contamination mapped to low hydraulic conductivity zones (K ≤ 5 ft/day) was not considered realistic and was therefore removed from the fate and transport model prior to all simulations. The removal of this contamination was justified since the placement of low conductivity zones in the existing flow model was done during model calibration and in reality may not exist. Also, the mass reduction by taking this approach was minimal in that perchlorate from low conductivity zones only amounted to 0.36 lbs (3.2%) of the initially mapped perchlorate and 0.04 lbs (1.5%) of the initially mapped RDX from low conductivity zones.

While contamination was not mapped to the low conductivity layers, contaminated groundwater was still able to migrate into downgradient, low hydraulic conductivity zones. Therefore, throughout the simulation contamination was predicted to migrate toward and be captured by extraction wells but was also able to enter into, and be significantly slowed by, the low conductivity layers. Given that the cleanup alternatives are intended to demonstrate cleanup of the “productive” portion of the aquifers, the simulation results were reviewed to determine the point at which lingering contamination only remained in the low conductivity (K ≤ 5 ft/day) zones. The determination was confirmed by reviewing model predictions and corresponding hydraulic conductivity values in each model layer to insure that contamination was indeed remaining entirely in low conductivity zones, with the only exception being a very small front of contamination leaving the downgrading edges of the low conductivity zones.

The simulation of cleanup alternatives included a 10-month simulation using the current extraction rates, representing the period from 01 January 2014 through 31 September 2014, immediately followed by a 100-year simulation from 01 October 2014 through 31 September 2114, using the alternative revised extraction rates. It should be noted that inconsistencies in plume mass exist because of the irregular spatial and temporal distribution of the contamination, but the extent of contamination is believed to be more reliably understood. Groundwater with a concentration greater than a low-level threshold is going to occupy a much smaller volume in the model than groundwater with a concentration greater than zero. As such, an extraction well with a capture zone extending beyond the low-level threshold concentration is going to remove mass that was not accounted for in the original calculation. Therefore, the potential exists for more mass to be removed by an extraction well than was estimated as being above the low-level threshold concentration.

11.4 Detailed Analysis of Alternatives

This section provides the detailed description and analysis of the remedial alternatives. Each alternative description includes assumptions made for planning and cost-estimating purposes.

11.4.1 Alternative 1 – No Further Action

Under the no further action alternative, treatment and/or monitoring would not be conducted and the treatment system and monitoring wells associated with the J-3 Range plume would be abandoned. This alternative serves as a baseline for alternative comparisons.

Overall Protection of Human Health and the Environment

Alternative 1 would not prevent the migration of the plume or protect human health or the environment from the existing contamination. Although there is currently no exposure to the J-3 Range plume, Alternative 1 offers no monitoring or confirmation of existing land-use controls to ensure that future exposures do not occur. Perchlorate concentrations are predicted to decrease, through natural attenuation processes, below 15 µg/L by 2034, below 2 µg/L by approximately 2079 and background concentrations (0.35 µg/L) could be achieved after year 2114. RDX concentrations are predicted to decrease, through natural attenuation processes, below the 10^{-5} risk-based level of 6 µg/L by approximately 2014, below the HA of 2 µg/L by approximately 2018, below the 10^{-6} risk-based level of 0.6 µg/L by 2043, and background concentrations (0.25 µg/L) could be achieved after 2114 (Table 10-1). However, without monitoring or land-use controls, Alternative 1 would not ensure protectiveness or verify that cleanup levels were met.

Compliance with Applicable Regulations

Alternative 1 allows for continued migration of the plume. Because no action is taken, chemical-specific regulations would be met only if, and when, contaminant concentrations decreased below the cleanup standards by natural attenuation. Based on model predictions, Alternative 1 would be compliant with chemical-specific regulations across the entire plume by approximately 2114. Because the alternative takes no action, there are no location-specific or action-specific regulations to be met.

Long-term Effectiveness and Permanence

In this Alternative, perchlorate and RDX concentrations in the plume are expected to permanently decrease to below 2 µg/L and 0.6 µg/L through natural attenuation processes by 2079 and 2043, respectively. However, as noted above, any natural attenuation that occurred under Alternative 1 would not be monitored or verified, and thus the degree of certainty that the natural attenuation would attain cleanup goals would be low. Since Alternative 1 does not include land-use controls to prevent exposure, there is a potential threat to human health and the environment if the natural attenuation does not occur as predicted.

The source response actions already taken addressed the majority of source material, including unexploded ordnance that may be acting as a current source. However, because not all potential source material has been removed from the site, there may be a potential for further groundwater contamination. This alternative does not include long-term groundwater monitoring to verify that any possible remaining sources will not pose a threat to groundwater. Therefore, this alternative is not expected to be effective over the long-term.

Reduction of Toxicity, Mobility, or Volume through Treatment

No further treatment would occur; therefore, no reduction in toxicity, mobility, or volume would occur through treatment. However, the toxicity and volume of the contaminated groundwater would be reduced through natural processes.

Short-term Effectiveness

There would be little to no effect on the community or natural resources from implementing Alternative 1 because no construction work would be involved other than treatment system and well abandonment. There are risks to workers from unexploded ordnance. A site-specific Health and Safety Plan (HASP) would be followed during well abandonment.

Implementability

Alternative 1 would require no technical implementation other than well abandonment, which has been done successfully many times at JBCC. Administratively, this alternative is feasible.

Cost

The costs are estimated for Alternative 1 as follows:

- Capital Cost: $146,000
- O&M: $ 0
- Site closeout documentation: $ 82,000
- Total present worth: $228,000

Appendix F provides detailed calculations of the cost of Alternative 1.

State Acceptance

This criterion will be evaluated throughout the development, screening and analysis of alternatives based on comments and input received from MassDEP.

Community Acceptance

This criterion will be evaluated throughout the development, screening, and analysis of alternatives based on comments and input received from the JBCCCT and the public.

11.4.2 Alternative 2 – Monitored Natural Attenuation and Land Use Controls

No further extraction and treatment would occur with this alternative. This alternative would provide for long-term monitoring of the J-3 Range groundwater to ensure that natural attenuation was progressing towards cleanup levels and for land-use controls to prevent human exposure to contaminated groundwater.

On-base land-use controls would prevent exposure to contaminated groundwater or soil disturbance activities that might interfere with the remedy. The land-use controls would remain in place, and be monitored for compliance, until the concentration of COCs in the groundwater attains cleanup levels.

Monitored natural attenuation would involve periodic analysis of groundwater for perchlorate and explosives to measure the natural attenuation of the contaminated groundwater, determining when concentrations have decreased below risk-based concentrations. Additional groundwater monitoring wells may be necessary to adequately monitor the plume as it migrates down gradient of the current plume footprint into areas where there has been less monitoring well coverage. Groundwater monitoring would continue after cleanup objectives are met for two additional years to ensure that plume concentrations remain below those levels. The current active treatment system would be discontinued and infrastructure would be abandoned at the end of the project. A residual risk assessment would be performed, if necessary, and may include additional data collection and analysis

Overall Protection of Human Health and the Environment

Alternative 2 would not prevent the migration of the plume. Monitoring and land-use controls would be implemented to prevent exposure to contamination. Perchlorate concentrations are predicted to decrease, through natural attenuation processes, below 15 µg/L by 2034, 2 µg/L by approximately 2079 and background concentrations (0.35 µg/L) after year 2114. RDX concentrations are predicted to decrease, through natural attenuation processes, below the 10^{-5} risk-based level of 6 µg/L by approximately 2014, the HA of 2 µg/L by approximately 2018, the 10^{-6} risk-based level of 0.6 µg/L by 2043, and background concentrations (0.25 µg/L) after 2114 (Table 11-1).

Compliance with Applicable Regulations

Alternative 2 would comply with applicable regulations. Because the plume is expected to naturally attenuate below cleanup levels, Alternative 2 would eventually be expected to meet the response action objectives, including regulatory standards for COCs.

Long-term Effectiveness and Permanence

In this Alternative, perchlorate and RDX concentrations are expected to decrease to risk-based concentrations through natural processes (dilution, dispersion, and sorption). Monitoring of the plume would continue for several years after the plume attenuates to ensure that all areas remain below remedial goals. In the meantime, the land-use controls would ensure that no use of the contaminated water occurs.

The source response actions already taken addressed the majority of source material, including unexploded ordnance that may be acting as a current source. However, because not all potential source material has been removed from the site, there may be a potential for further groundwater contamination. This alternative includes land-use controls, which would minimize further exposure. It also includes long-term groundwater monitoring to verify that any possible remaining sources will not pose a threat to groundwater. Therefore, this alternative is expected to be effective over the long-term.

Reduction of Toxicity, Mobility, or Volume through Treatment

No further treatment would occur; therefore, no reduction in toxicity, mobility, or volume would occur through treatment. However, the toxicity and volume of the contaminated groundwater would be reduced through natural processes.

Short-term Effectiveness

There would be minor impacts to the community through off-base groundwater monitoring activities. There would be some effect on the workers during monitoring well construction, sampling and well abandonment. A HASP would be followed during construction and long-term groundwater monitoring. To date, health and safety precautions for unexploded ordnance clearance, groundwater sampling, and drilling have been adequate to protect workers.

To the extent feasible, previously disturbed areas would be utilized for the installation of wells to minimize impact on cultural and natural resources. However, some disturbance of natural resources may be necessary to complete this alternative.

Implementability

Groundwater monitoring associated with the J-3 Range plume would continue, subject to periodic optimization, using the same sampling and analytical protocols currently in use. Administratively, this alternative is feasible. There are no implementability concerns anticipated with obtaining access for additional monitoring well installation assuming the locations would be on-post. However, access agreements with the Town of Sandwich and private landowners may be necessary for future monitoring well installation and sampling if off-base monitoring wells are required. There is a potential administrative implementability concern for monitoring well sampling and installation after the military's lease expires, because it is unknown what the administrative requirements will be necessary to perform those tasks.

Cost

The present worth costs were estimated for Alternative 2 as follows:

- Capital Cost: $ 225,000
- O&M: $1,544,000
- Site closeout documentation: $ 23,000
- Total present worth: $1,792,000

Appendix F provides detailed calculations of the cost of Alternative 2.

State Acceptance

This criterion will be evaluated throughout the development, screening and analysis of alternatives based on comments and input received from MassDEP.

Community Acceptance

This criterion will be evaluated throughout the development, screening, and analysis of alternatives based on comments and input received from the JBCCCT and the public.

11.4.3 Alternative 3 – Focused Extraction with 3 wells Monitored Natural Attenuation and Land-Use Controls (Continued Operation of Current System)

Alternative 3 would provide for the continued long-term operation of the current J-3 Range groundwater plume ETR system (Figure 10-1); however, capture of source area contamination

would not be entirely achieved by the upgradient extraction well (Figure 11-1). The J-3 Range groundwater plume ETR system consists of three axial extraction wells pumping at a combined rate of 195 gpm and four reinjection wells located to the southeast of the J-3 plume. Figure 11-2 illustrates the predicted perchlorate concentrations and mass extracted at each Alternative 3 well and Figure 11-3 illustrates the Alternative 3 predicted perchlorate plume volume. Figure 11-4 illustrates the predicted RDX concentrations and mass extracted at each Alternative 3 well and Figure 11-5 illustrates the Alternative 3 predicted RDX plume volume. Active treatment of the plume removes perchlorate and RDX from the extracted groundwater and returns the treated water to the aquifer. This alternative includes the option of modifying the system to optimize the system performance.

This alternative would include for chemical and hydraulic monitoring of the plume and treatment system as long as active remediation continues, and chemical monitoring of the aquifer after the system is turned off, to ensure that perchlorate and RDX concentrations have decreased below risk-based concentrations. Land-use controls would minimize potential further exposure. Groundwater monitoring would continue for two years after risk-based concentrations were achieved to ensure that concentrations remain below risk-based levels. The monitoring wells and other infrastructure would be abandoned when no longer needed. A residual risk assessment would be performed, if necessary, and may include additional data collection and analysis.

Overall Protection of Human Health and the Environment

The groundwater model indicates that perchlorate concentrations are expected to decrease below 15 µg/L by 2025, 2 µg/L by approximately 2052 and background concentrations (0.35 µg/L) could be achieved after 2114. RDX concentrations are expected to decrease below the 10^{-5} risk-based level of 6 µg/L by approximately 2014 the HA of 2 µg/L by approximately 2016, below the 10^{-6} risk-based level of 0.6 µg/L by 2032, and background concentrations (0.25 µg/L) could be achieved after 2086 (Table 11-1).

Compliance with Applicable Regulations

Alternative 3 would comply with applicable regulations.

Long-term Effectiveness and Permanence

Both active treatment and natural attenuation components of the alternative would be permanent. Groundwater extraction and treatment would permanently remove some of the perchlorate and RDX from groundwater. The remaining contamination would continue to degrade due to natural attenuation processes, some of which would also be irreversible.

The source response actions already taken addressed the majority of source material, including unexploded ordnance that may be acting as a current source. However, because not all potential source material has been removed, there may be a potential for further groundwater contamination. This alternative includes long-term groundwater monitoring to verify that any possible remaining source will not pose a threat to groundwater. Therefore, this alternative is expected to be effective over the long-term.

Reduction of Toxicity, Mobility, or Volume through Treatment

Extraction and treatment of groundwater would reduce the toxicity, mobility and volume of perchlorate and RDX. At the start of the Alternative 3 simulation, the total perchlorate mass simulated within the model is 9.5 lbs (3.59 Kg) at a concentration greater than 0.35 µg/L and the total RDX mass simulated in the model is 1.7 lbs (0.77 Kg) at a concentration greater than 0.25 µg/L. Model-predicted mass capture for Alternative 3 is approximately 10.9 pounds of perchlorate and 1.5 pounds of RDX.

Short-term Effectiveness

There would be little effect on the community because most activity is on-post. There would be some effect on the workers during monitoring, well construction, sampling and decommissioning.

A site specific HASP would be followed during system operation and monitoring where engineering controls and Personal Protective Equipment would be used as necessary to limit potential exposure to COCs. To date, health and safety precautions for unexploded ordnance clearance, construction activities, groundwater sampling and drilling have been adequate to protect workers.

Implementability

Administratively, this alternative would be feasible. IX has been shown to be effective in treating perchlorate. GAC has been shown to be effective in treating RDX. The treatment system would require regular maintenance and monitoring. Experience at other sites suggests that the components would be reliable.

Cost

The present worth costs were estimated for Alternative 3 as follows:

- Capital Cost: $ 410,000
- O&M: $7,427,000
- Site closeout documentation: $ 39,000
- Total present worth: $7,876,000

Appendix F provides detailed calculations of the cost of Alternative 3.

State Acceptance

This criterion will be evaluated throughout the development, screening and analysis of alternatives based on comments and input received from MassDEP.

Community Acceptance

This criterion will be evaluated throughout the development, screening, and analysis of alternatives based on comments and input received from the JBCCCT and the public

11.4.4 Alternative 4 – Focused Extraction with 3 wells, Monitored Natural Attenuation and Land-Use Controls (Optimization of Current System)

Alternative 4 would provide for pumping and treatment of the J-3 Range groundwater plume, monitoring, and maintaining land-use controls. The conceptual design for Alternative 4 involves optimizing the pumping within the existing capacity of the J-3 Range groundwater ETR system. The conceptual design includes a flow rate at J3EWIP1 of 150 gpm, a flow rate at 90EW0001 of 50 gpm and a flow rate at J3EW0032 of 65 gpm for a total combined pumping rate of 265 gpm (Figure 10-2). The capture zone achieved by the Alternative 4 extraction rate scenario would completely contain source area contamination upgradient of the existing in-plume well (Figure 11-6). Figure 11-7 illustrates the predicted perchlorate concentrations and mass extracted at each Alternative 4 well and Figure 11-8 illustrates the Alternative 4 predicted perchlorate plume volume. Figure 11-9 illustrates the predicted RDX concentrations and mass extracted at each Alternative 4 well and Figure 11-10 illustrates the Alternative 4 predicted RDX plume volume. The effluent would be returned to the aquifer through the existing reinjection wells. The existing treatment system has adequate capacity for 265 gpm flow.

This alternative would include chemical and hydraulic monitoring of the plume and treatment system as long as active remediation continues, and chemical monitoring of the aquifer after the system is turned off, to ensure that perchlorate and RDX concentrations have decreased below risk-based concentrations. Land-use controls would minimize potential further exposure. Groundwater monitoring would continue for two years after risk-based concentrations were achieved to ensure that concentrations remain below risk-based levels. The monitoring wells and other infrastructure would be abandoned when no longer needed. A residual risk assessment would be performed, if necessary, and may include additional data collection and analysis.

Overall Protection of Human Health and the Environment

The groundwater model indicates that perchlorate concentrations are expected to decrease below 15 µg/L by 2025, 2 µg/L by approximately 2039 and background concentrations (0.35 µg/L) could be achieved by approximately 2114. RDX concentrations are expected to decrease below the 10^{-5} risk-based level of 6 µg/L by 2014, the HA of 2 µg/L by approximately 2016, below the 10^{-6} risk-based level of 0.6 µg/L by 2031, and background concentrations (0.25 µg/L) could be achieved after 2076 (Table 11-1).

Compliance with Applicable Regulations

Alternative 4 would comply with applicable regulations.

Long-term Effectiveness and Permanence

Both active treatment and natural attenuation components of the alternative would be permanent. Groundwater extraction and treatment would permanently remove some of the perchlorate and RDX from groundwater. The remaining contamination would continue to degrade due to natural attenuation processes, which would also be irreversible.

The source response actions already taken addressed the majority of source material, including unexploded ordnance that may be acting as a current source. However, because not all

potential source material has been removed, there may be a potential for further groundwater contamination. This alternative includes long-term groundwater monitoring to verify that any possible remaining source will not pose a threat to groundwater. Therefore, this alternative is expected to be effective over the long-term.

Reduction of Toxicity, Mobility, or Volume through Treatment

Extraction and treatment of groundwater would reduce the toxicity, mobility and volume of perchlorate and RDX. At the start of the Alternative 4 simulation, the total perchlorate mass simulated within the model is 9.5 lbs (3.59 Kg) at a concentration greater than 0.35 µg/L and the total RDX mass simulated in the model is 1.7 lbs (0.77 Kg) at a concentration greater than 0.25 µg/L. Model-predicted mass capture for Alternative 4 is approximately 12.5 pounds of perchlorate and 1.7 pounds of RDX.

Short-term Effectiveness

There would be little effect on the community because most activity is on-post. There would be some effect on the workers during monitoring, well construction, sampling and decommissioning.

A site specific HASP would be followed during system operation and monitoring where engineering controls and Personal Protective Equipment would be used as necessary. To date, health and safety precautions for unexploded ordnance clearance, groundwater sampling and drilling have been adequate to protect workers.

Implementability

Administratively, this alternative would be feasible. IX has been shown to be effective in treating perchlorate. GAC has been shown to be effective in treating RDX. The treatment system would require regular maintenance and monitoring. Experience at other sites suggests that the components would be reliable.

Cost

The present worth costs were estimated for Alternative 4 as follows:

- Capital Cost: $ 433,000
- O&M: $7,300,000
- Site closeout documentation: $ 52,000
- Total present worth: $7,785,000

Appendix F provides detailed calculations of the cost of Alternative 4.

State Acceptance

This criterion will be evaluated throughout the development, screening and analysis of alternatives based on comments and input received from MassDEP.

Community Acceptance

This criterion will be evaluated throughout the development, screening, and analysis of alternatives based on comments and input received from the JBCCCT and the public.

11.4.5 Alternative 4A – Focused Extraction with Four Wells, Monitored Natural Attenuation and Land Use Controls

Alternative 4A would provide for pumping and treatment of the J-3 Range groundwater plume, monitoring, and maintaining land-use controls. The conceptual design for Alternative 4A involves the optimization of the pumping rates within the existing capacity of the J-3 Range groundwater ETR system and installation of one new extraction well. The conceptual design involves a flow rate at J3EWIP1 of 90 gpm, a flow rate at 90EW0001 of 50 gpm, a flow rate at J3EW0032 of 65 gpm and installation of one new extraction well upgradient of J3EWIP1 at a flow rate of 60 gpm, for a total combined pumping rate of 265 gpm (Figure 10-3). The Alternative 4A extraction rate scenario would result in the complete capture of source area contamination by the upgradient extraction well (Figure 11-11). Figure 11-12 illustrates the predicted perchlorate concentrations and mass extracted at each Alternative 4A well and Figure 11-13 illustrates the Alternative 4A predicted perchlorate plume volume. Figure 11-14 illustrates the predicted RDX concentrations and mass extracted at each Alternative 4A well and Figure 11-15 illustrates the Alternative 4A predicted RDX plume volume. The effluent would be returned to the aquifer through the existing reinjection wells.

This alternative would include chemical and hydraulic monitoring of the plume and treatment system as long as active remediation continues, and chemical monitoring of the aquifer after the system is turned off, to ensure that perchlorate and RDX concentrations have decreased below risk-based concentrations. Land-use controls would minimize potential further exposure. Groundwater monitoring would continue for two years after risk-based concentrations were achieved to ensure that concentrations remain below risk-based levels. The monitoring wells and other infrastructure would be abandoned when no longer needed. A residual risk assessment would be performed, if necessary, and may include additional data collection and analysis.

Overall Protection of Human Health and the Environment

The groundwater model indicates that perchlorate concentrations are expected to decrease below 15 µg/L by 2017, 2 µg/L by approximately 2022 and background concentrations (0.35 µg/L) could be achieved sometime after approximately 2114. RDX concentrations are expected to decrease below the 10-5 risk-based level of 6 µg/L by 2014, the HA of 2 µg/L by approximately 2015, below the 10-6 risk-based level of 0.6 µg/L by 2021, and background concentrations (0.25 µg/L) could be achieved sometime after approximately 2071 (Table 11-1).

Reduction of Toxicity, Mobility, or Volume through Treatment

Extraction and treatment of groundwater would reduce the toxicity, mobility and volume of perchlorate and RDX. At the start of the Alternative 4A simulation, the total perchlorate mass simulated within the model is 9.5 lbs (3.59 Kg) at a concentration greater than 0.35 µg/L and the total RDX mass simulated in the model is 1.7 lbs (0.77 Kg) at a concentration greater than

0.25 µg/L. Model-predicted mass capture for Alternative 4A is approximately 13.1 pounds of perchlorate and 1.8 pounds of RDX.

Short-term Effectiveness

There would be little effect on the community because most activity is on-post. There would be some effect on the workers during monitoring, well construction, sampling and decommissioning.

A site specific HASP would be followed during system operation and monitoring where engineering controls and Personal Protective Equipment would be used as necessary. To date, health and safety precautions for unexploded ordnance clearance, groundwater sampling and drilling have been adequate to protect workers.

Implementability

Administratively, this alternative would be feasible. IX has been shown to be effective in treating perchlorate. GAC has been shown to be effective in treating RDX. The treatment system would require regular maintenance and monitoring. Experience at other sites suggests that the components would be reliable.

Cost

The present worth costs were estimated for Alternative 4A as follows:

- Capital Cost: $1,416,000
- O&M: $3,399,000
- Site closeout documentation: $ 69,000
- Total present worth: $4,884,000

Appendix F provides detailed calculations of the cost of Alternative 4A.

11.4.6 Alternative 5 – Focused Extraction with Six wells, Monitored Natural Attenuation and Land-Use Controls

Alternative 5 would provide for pumping and treatment of the J-3 Range groundwater plume, monitoring, and maintaining land-use controls. The conceptual design for Alternative 5 involves the optimization of the pumping rates within the existing J-3 Range groundwater ETR system and installation of three new extraction wells. The conceptual design involves a flow rate at J3EWIP1 of 140 gpm, a flow rate at 90EW0001 of 40 gpm, a flow rate at J3EW0032 of 40 gpm and installation of three new extraction wells (one upgradient of J3EWIP1 and two upgradient of 90EW0001) for a total combined pumping rate of 315 gpm (Figure 10-4). The Alternative 5 extraction rate scenario would result in the complete capture of source area contamination by the upgradient extraction well (Figure 11-16). Figure 11-17 illustrates the predicted perchlorate concentrations and mass extracted at each Alternative 5 well and Figure 11-18 illustrates the Alternative 5 predicted perchlorate plume volume. Figure 11-19 illustrates the predicted RDX concentrations and mass extracted at each Alternative 5 well and Figure 11-20 illustrates the Alternative 5 predicted RDX plume volume. The effluent would be returned to the aquifer through the existing reinjection wells. The existing ETR system will be expanded through

installation of an additional mobile treatment unit (MTU) to handle increased capacity from the proposed extraction wells.

This alternative would include chemical and hydraulic monitoring of the plume and treatment system as long as active remediation continues, and chemical monitoring of the aquifer after the system is turned off, to ensure that perchlorate and RDX concentrations have decreased below risk-based concentrations. Land-use controls would minimize potential further exposure. Groundwater monitoring would continue for two years after risk-based concentrations were achieved to ensure that concentrations remain below risk-based levels. The monitoring wells and other infrastructure would be abandoned when no longer needed. A residual risk assessment would be performed, if necessary, and may include additional data collection and analysis.

Overall Protection of Human Health and the Environment

The groundwater model indicates that perchlorate concentrations are expected to decrease below 15 µg/L by 2018, 2 µg/L by approximately 2024 and background concentrations (0.35 µg/L) could be achieved by approximately 2110. RDX concentrations are expected to decrease below the 10^{-5} risk-based level of 6 µg/L by 2014, the HA of 2 µg/L by approximately 2015, below the 10^{-6} risk-based level of 0.6 µg/L by 2024, and background concentrations (0.25 µg/L) could be achieved after 2065 (Table 11-1).

Compliance with Applicable Regulations

Alternative 5 would comply with applicable regulations.

Long-term Effectiveness and Permanence

Both active treatment and natural attenuation components of the alternative would be permanent. Groundwater extraction and treatment would permanently remove some of the perchlorate and RDX from groundwater. The remaining contamination would continue to degrade due to natural attenuation processes, which would also be irreversible.

The source response actions already taken addressed the majority of source material, including unexploded ordnance that may be acting as a current source. However, because not all potential source material has been removed, there may be a potential for further groundwater contamination. This alternative includes long-term groundwater monitoring to verify that any possible remaining source will not pose a threat to groundwater. Therefore, this alternative is expected to be effective over the long-term.

Reduction of Toxicity, Mobility, or Volume through Treatment

Extraction and treatment of groundwater would reduce the toxicity, mobility and volume of perchlorate and RDX. At the start of the Alternative 5 simulation, the total perchlorate mass simulated within the model is 9.5 lbs (3.59 Kg) at a concentration greater than 0.35 µg/L and the total RDX mass simulated in the model is 1.7 lbs (0.77 Kg) at a concentration greater than 0.25 µg/L. Model-predicted mass capture for Alternative 5 is approximately 14.8 pounds of perchlorate and 2.4 pounds of RDX.

Short-term Effectiveness

There would be some effect on the community and workers from implementing Alternative 5 since construction would occur within a residential neighborhood. There would be short-term impacts during installation of the extraction wells and piping. There will be long-term impacts from operation and maintenance of the system, and monitoring well sampling activities. Care will be taken to ensure safe operation particularly as it pertains to school bus routes and neighborhood children.

A site specific HASP would be followed during system operation and monitoring where engineering controls and Personal Protective Equipment would be used as necessary. To date, health and safety precautions for unexploded ordnance clearance, groundwater sampling and drilling have been adequate to protect workers.

Implementability

Administratively, this alternative would be feasible. IX has been shown to be effective in treating perchlorate. GAC has been shown to be effective in treating RDX. The treatment system would require regular maintenance and monitoring. Experience at other sites suggests that the components would be reliable. Due to the addition of three new extraction wells and the increased pumping rate, the treatment plant would need to be expanded. This expansion would probably involve the addition of an MTU.

Cost

The present worth costs were estimated for Alternative 5 as follows:

- Capital Cost: $3,723,000
- O&M: $4,535,000
- Site closeout documentation: $ 73,000
- Total present worth: $8,331,000

Appendix F provides detailed calculations of the cost of Alternative 5.

State Acceptance

This criterion will be evaluated throughout the development, screening and analysis of alternatives based on comments and input received from MassDEP.

Community Acceptance

This criterion will be evaluated throughout the development, screening, and analysis of alternatives based on comments and input received from the JBCCCT and the public.

12.0 COMPARISON OF ALTERNATIVES

A comparative analysis was conducted to evaluate the relative performance of each alternative in relation to each criterion. The presentation of the comparative analysis refers to each alternative by its number.

For reference, a brief description of each alternative follows:

Alternative 1 – No Further Action. Monitoring wells and the existing treatment system would be abandoned and site-closeout documentation would be completed.

Alternative 2 – Monitored Natural Attenuation with Land-Use Controls. Alternative 2 includes long-term groundwater monitoring until COC concentrations attain cleanup levels and land-use controls.

Alternative 3 – Focused Extraction with Three Wells, Monitored Natural Attenuation and Land-Use Controls (current system). Alternative 3 includes the continued operation of the current J-3 Range groundwater plume ETR system. The J-3 Range groundwater plume ETR system consists of three axial extraction wells pumping at a combined rate of 195 gpm and reinjection wells located to the southeast of the J-3 plume.

Alternative 4 – Focused Extraction with Three Wells, Monitored Natural Attenuation and Land-Use controls (optimized). Alternative 4 includes the continued operation of the current J-3 Range groundwater plume ETR system with optimization of the pumping rates within the existing capacity for a total combined pumping rate of 265 gpm.

Alternative 4A – Focused Extraction with Four Wells, Monitored Natural Attenuation and Land-Use controls (optimized). Alternative 4A includes the continued operation of the current J-3 Range groundwater plume ETR system with optimization of the pumping rates within the existing capacity and the installation of one new extraction well for a total combined pumping rate of 265 gpm. This extraction rate scenario would result in the complete capture of source area contamination by the upgradient extraction well.

Alternative 5 - Focused Extraction with Six Wells, Monitored Natural Attenuation and Land-Use Controls (10-year). Alternative 5 includes the continued operation of the current J-3 Range groundwater plume ETR system with three new extraction wells: one upgradient of J2EWIP001, one between J3EWIP001 and J3EWIP0032, and one downgradient of 90EW0001. The remaining existing ETR system wells would operate at optimized flow rates for a total combined pumping rate of 315 gpm. An MTU will be required to handle the expanded pumping rate.

The strengths and weaknesses of each alternative are presented in a narrative that addresses each criterion.

12.1 Overall Protection of Human Health and the Environment

Alternatives 2 through 5 would be protective of human health and the environment. Alternative 1, however, offers no monitoring or confirmation of existing land-use controls to ensure that future exposures do not occur. Alternative 2 adds provisions for plume monitoring

and land-use controls to help prevent future exposure to contaminated groundwater. Alternatives 3, 4, 4A and 5 add extraction and treatment components and achieve risk-based concentrations earlier than Alternatives 1 and 2.

Alternative	Estimated Year for RDX Cleanup Times (year)			Perchlorate Cleanup Times	
	6 µg/L	2 µg/L	0.6 µg/L	15 µg/L	2 µg/L
1	2014	2018	2043	2034	2079
2	2014	2018	2043	2034	2079
3	2014	2016	2032	2025	2052
4	2014	2016	2031	2025	2039
4A	2014	2015	2021	2017	2022
5	2014	2015	2024	2018	2024

12.2 Compliance with Regulators

All alternatives are expected to eventually result in compliance with applicable regulations. Alternatives 1 and 2 allow for continued migration of the plume. Because those alternatives involve no active remediation, chemical-specific regulations would be met only when contaminant concentrations decrease below cleanup standards by natural attenuation. Alternative 2 includes monitoring to confirm this occurs, Alternative 1 does not. Alternatives 3 through 5 include active treatment to ensure that applicable standards are met.

12.3 Long-Term Effectiveness and Permanence

The source area has been removed so residual soil contamination is unlikely to compromise the permanence of the remedial alternatives once completed. All of the alternatives would permanently achieve the cleanup goals; however, time to cleanup would vary. Moreover, Alternatives 3, 4, 4A and 5, which include active treatment of the plume, may result in fewer uncertainties over the long term regarding the fate and transport of the plume.

12.4 Reduction of Toxicity, Mobility or Volume Through Treatment

Alternatives 3, 4, 4A and 5 reduce the toxicity, mobility and volume of contaminated groundwater through treatment. Alternatives 3, 4, 4A and 5 would extract 10.9, 12.4, 13.1 and 14.8 pounds of perchlorate and 1.5, 1.7, 1.8 and 2.4 pounds of RDX, respectively.

12.5 Short-Term Effectiveness

Alternative 1 would have the least impact on workers because construction is minimal. Alternative 5 would have the greatest impact to the environment, community and workers because it includes the installation of three extraction wells. Alternatives 2, 3 and 4 have the least impact on workers, the community, and the environment since they do not require any new construction activities. In addition, all alternatives would eventually involve construction to decommission the wells and treatment facilities.

12.6 Implementability

None of the alternatives are limited by administrative feasibility. Alternative 1 is the most easily implemented alternative because it requires no further action other than abandoning system infrastructure, groundwater monitoring wells and preparing close out documentation. Alternatives 2, 3 and 4 are the next most easily implemented alternatives with groundwater monitoring, O&M of the existing ETR system (for Alternative 3 and 4) and land-use controls. Alternative 4A would require the installation of one new extraction well. Alternative 5 would require installation of three new extraction wells, two of which would be located off-base.

12.7 Cost

The total present worth costs of the alternatives generally increase as the amount of treatment increases.

Alternative 1 – total estimated cost of $ 228,000
Alternative 2 – total estimated cost of $1,792,000
Alternative 3 – total estimated cost of $7,876,000
Alternative 4 – total estimated cost of $7,785,000
Alternative 4A – total estimated cost of $4,884,000
Alternative 5 – total estimated cost of $8,331,000

12.8 State Acceptance

This criterion will be addressed in detail following comments received on the Remedy Selection Plan.

12.9 Community Acceptance

This criterion will be addressed in detail following comments on the Remedy Selection Plan.

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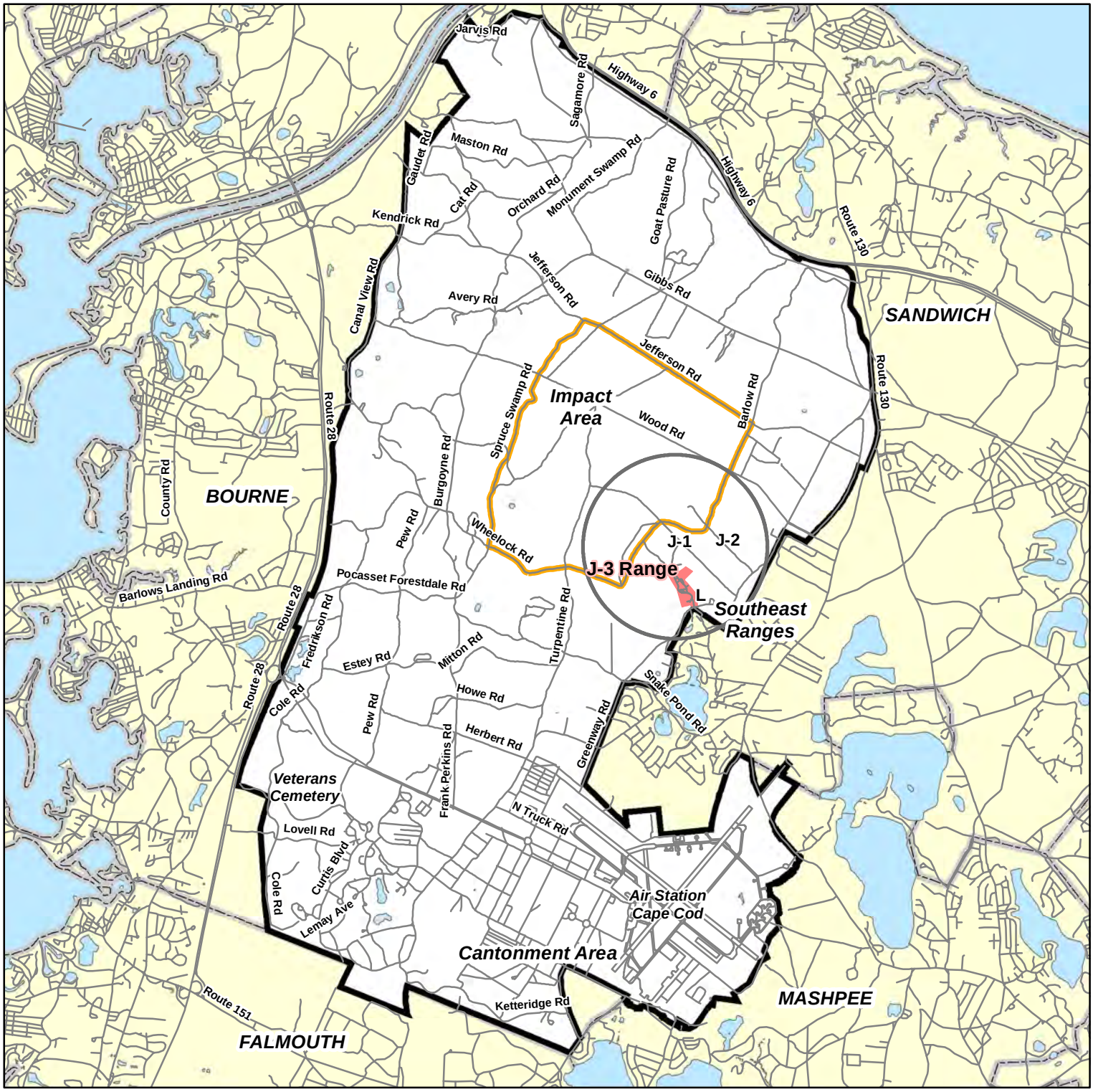
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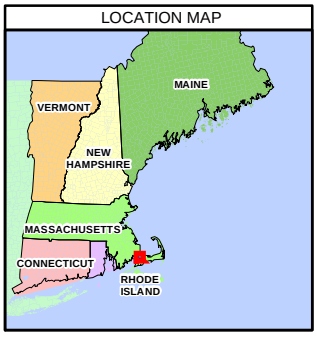
FIGURES



LEGEND

- Roads
- Impact Area
- J-3 Range
- Surface Waterbody
- JBCC Boundary
- Town Boundary

LOCATION MAP



N

0 2,000 4,000 6,000 8,000 Feet

NOTES & SOURCES
Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from ARNG and MassGIS

JBCC J-3 Range Location Map

FIGURE 2-1

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Impact Area Groundwater Study Program

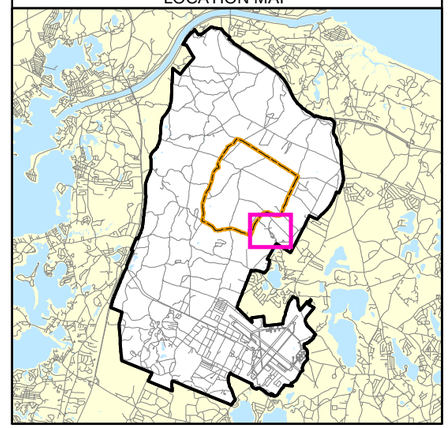


Impact Area
Groundwater Study Program

LEGEND

- J-3 Study Area Boundary
- Impact Area Boundary
- Southeast Ranges Boundaries
- JBCC Boundary

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range
Soil Study Areas

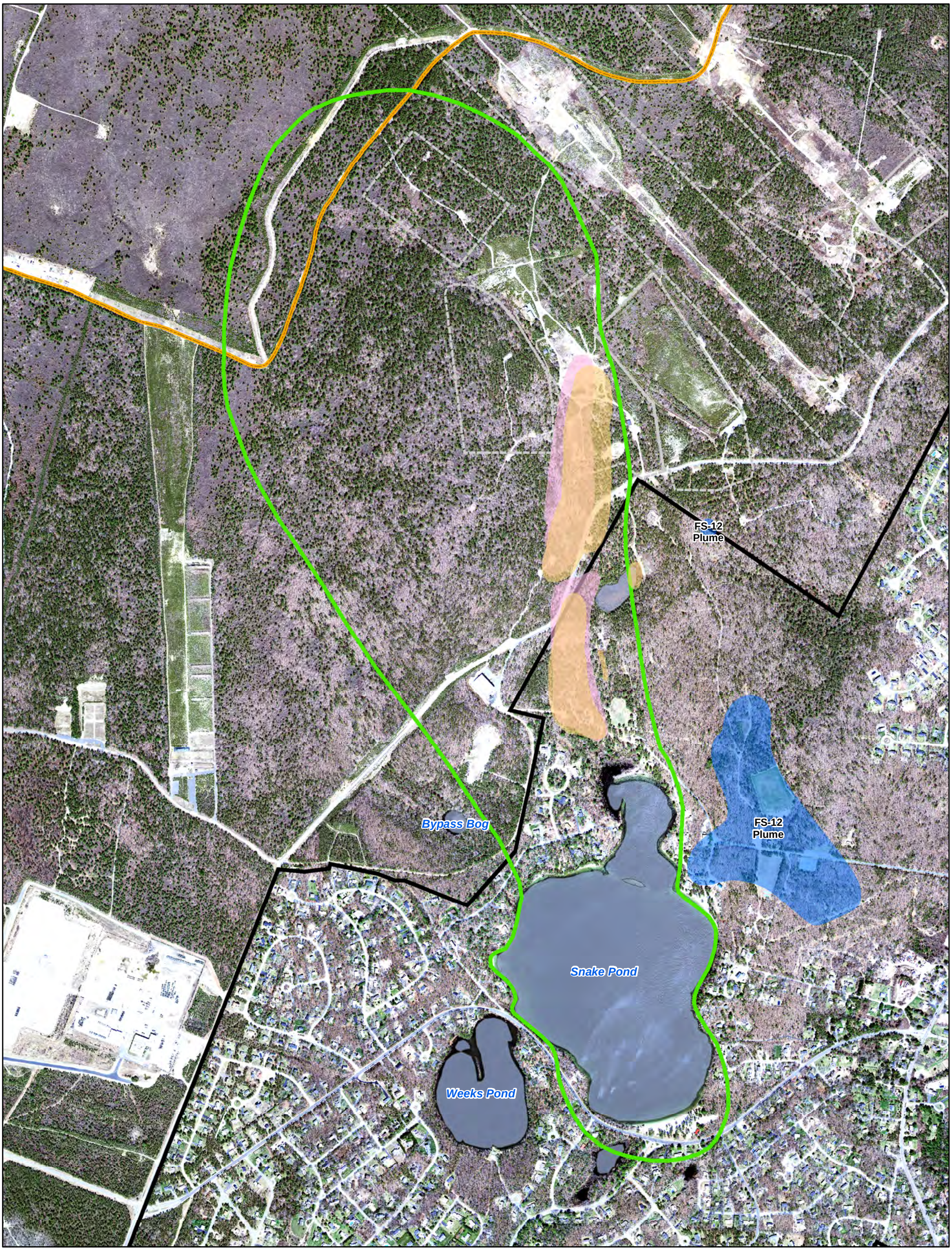
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FIGURE

2-2

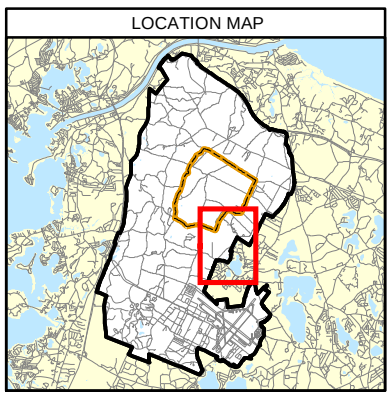
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LEGEND

- RDX in Groundwater
- Perchlorate in Groundwater
- J-3 Range Groundwater Study Area
- FS-12 Plume
- Impact Area Boundary
- Southeast Ranges Boundaries
- Roads
- JBCC Boundary

LOCATION MAP



0 500 1,000 1,500 2,000 Feet

N

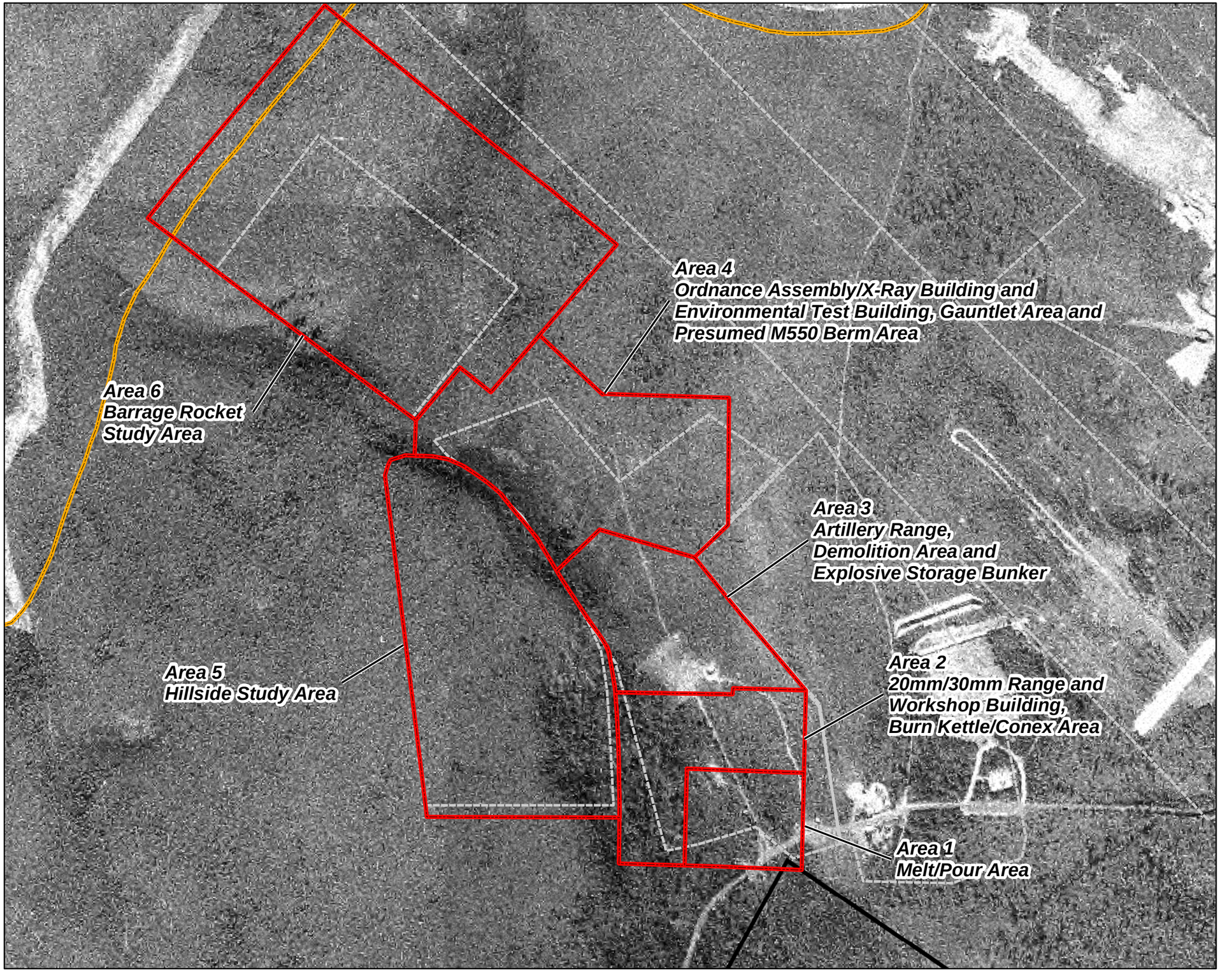
NOTES & SOURCES
Map Projection: NAD 83, UTM, Zone 19N, Meters
Basemap data from ARNG
FS-12 Plume provided by AFCEE JBCC Groundwater Remediation Program, April 2006

J-3 Range Groundwater Study Area

FIGURE
2-3

Impact Area Groundwater Study Program

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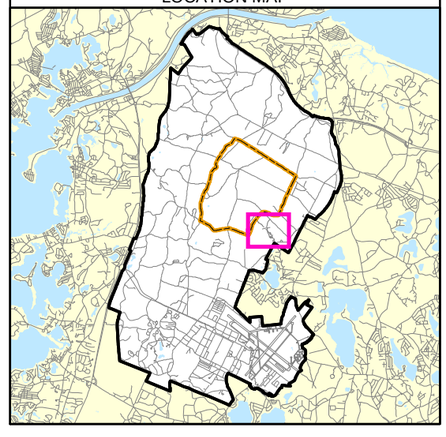


Impact Area
Groundwater Study Program

LEGEND

- J-3 Study Area Boundary
- Impact Area Boundary
- Southeast Ranges Boundaries
- JBCC Boundary

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range
Aerial Photograph
1955

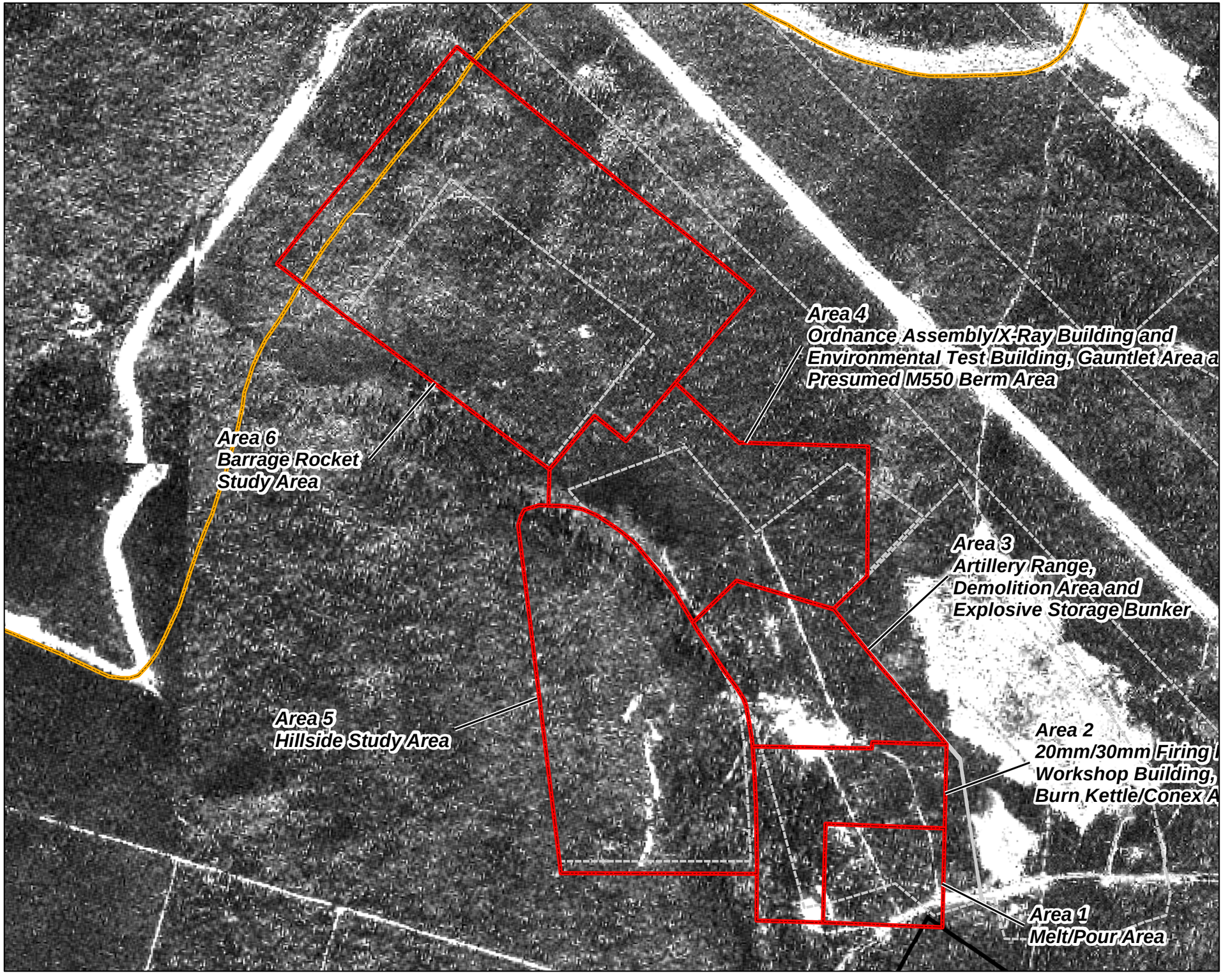
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FIGURE

2-4

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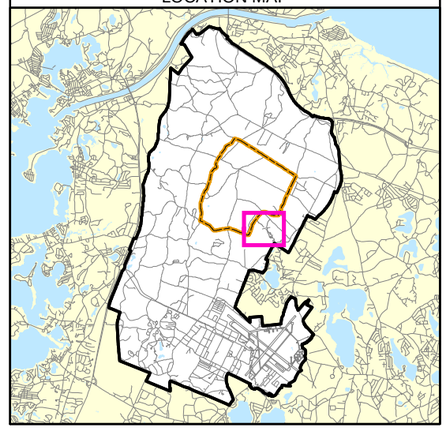


Impact Area
Groundwater Study Program

LEGEND

- J-3 Study Area Boundary
- Impact Area Boundary
- Southeast Ranges Boundaries
- JBCC Boundary

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range
Aerial Photograph
1966

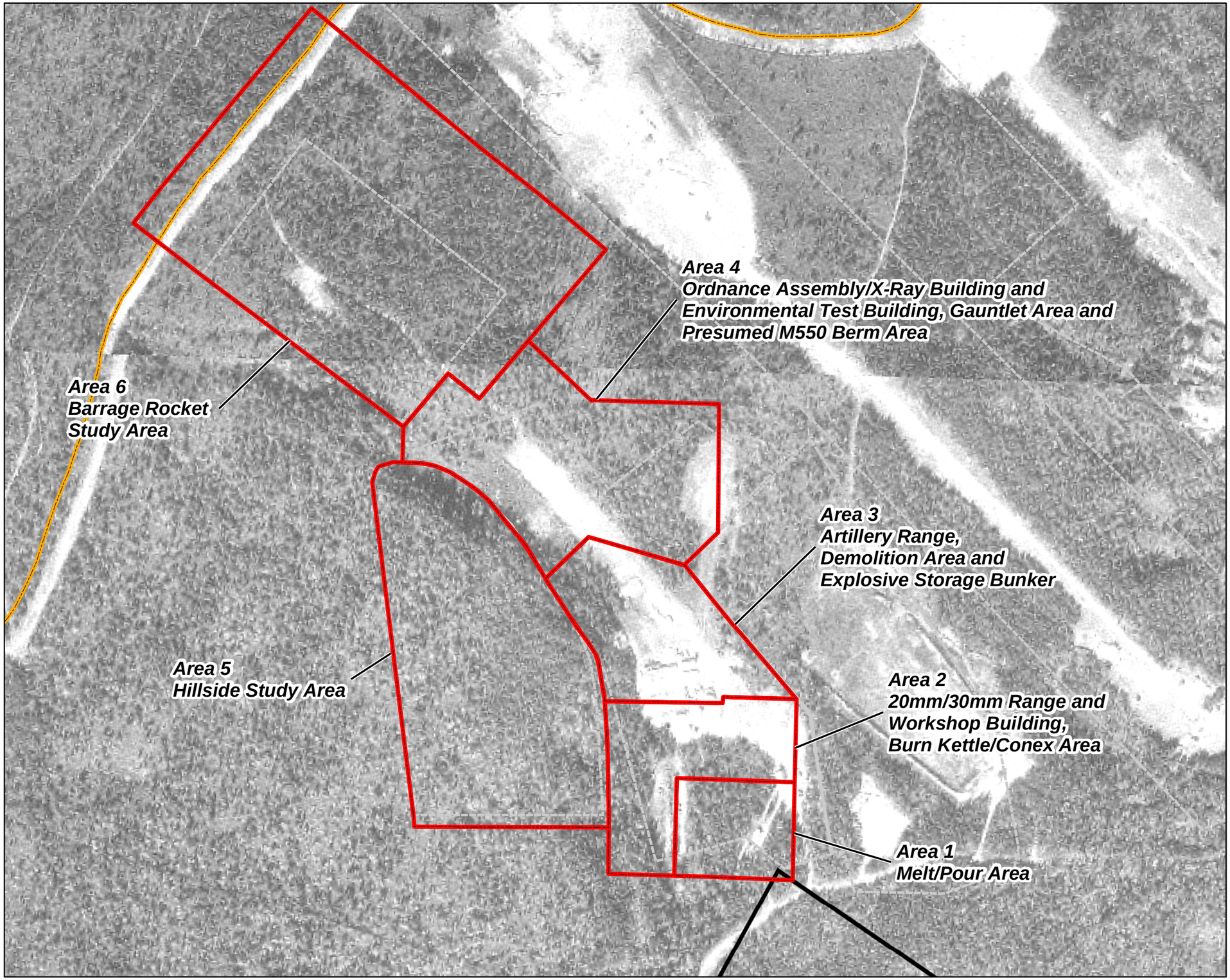
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FIGURE

2-5

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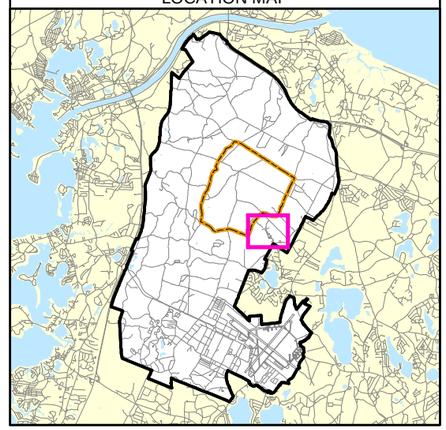


Impact Area
Groundwater Study Program

LEGEND

- J-3 Study Area Boundary
- Impact Area Boundary
- Southeast Ranges Boundaries
- JBCC Boundary

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range
Aerial Photograph
1977

0 200 400 600 800
Feet

N

FIGURE
2-6

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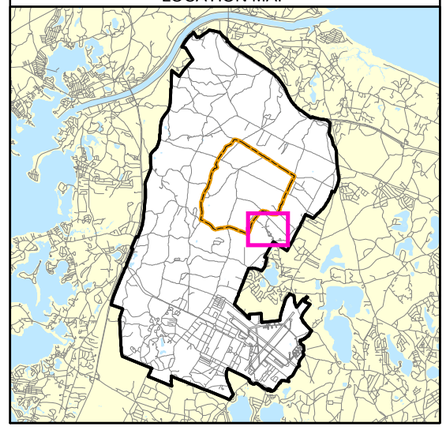


Impact Area
Groundwater Study Program

LEGEND

- J-3 Study Area Boundary
- Impact Area Boundary
- Southeast Ranges Boundaries
- JBCC Boundary

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range
Aerial Photograph
1986

0 200 400 600 800 Feet

N

FIGURE

2-7

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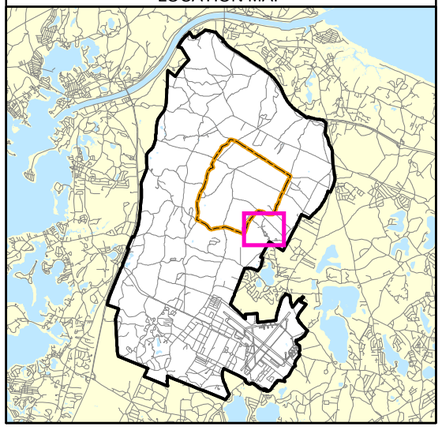


Impact Area
Groundwater Study Program

LEGEND

- J-3 Study Area Boundary
- Impact Area Boundary
- Southeast Ranges Boundaries
- JBCC Boundary

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range
Aerial Photograph
2002

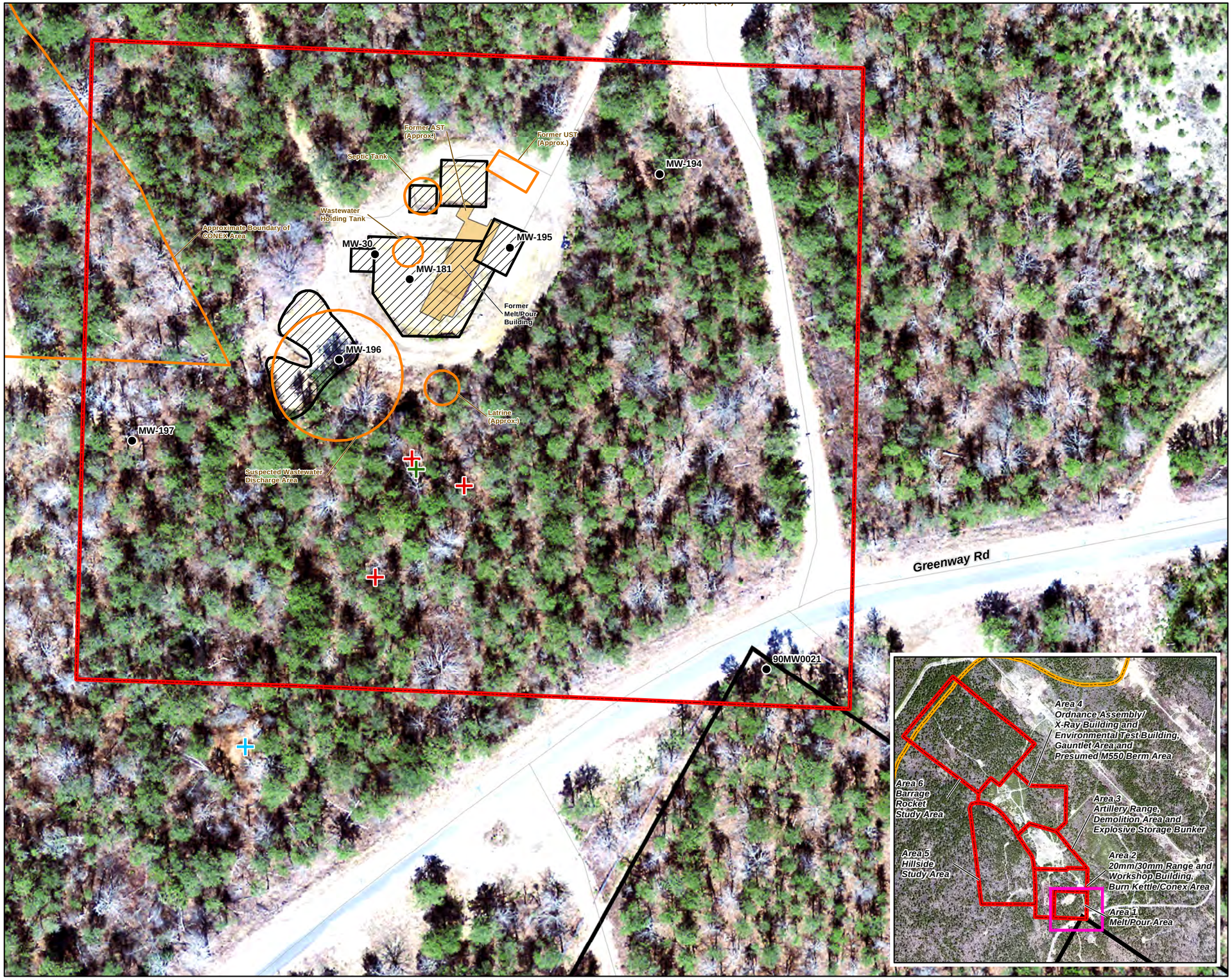
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FIGURE

2-8

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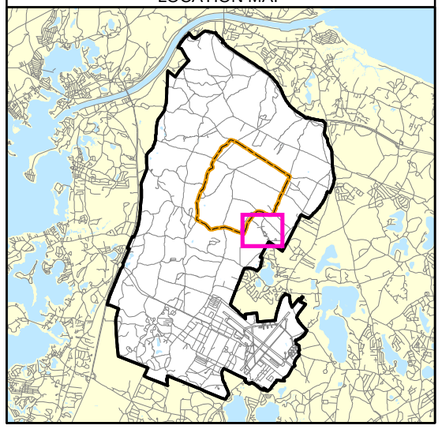


Impact Area Groundwater Study Program

LEGEND

Investigated Targets
- Mound
- Type C
- Type E
- Existing Monitoring Wells
- J-3 Range Area 1 Boundary
- Areas of Interest
- J-3 Excavation Boundary
- Former Melt/Pour Building
- Roads
- JBCC Boundary

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range Area 1 Melt/Pour Area

0 25 50 75 100 Feet

N

FIGURE

2-9

Document Path: P:\GIS\MMRU3\GIS\Spatial\MXD\20140113_RIFS\Fig2-09_J3Area1MeltPour.mxd

MW-30

B-25

WASTE LEACH TANK NO. 2

B-24

N

LEGEND

MONITORING WELL

BORINGS

FENCE

MW-181

HOLDING TANK NO. 1
(REMOVED)

100 GALLON
STORAGE TANK

ROOF DRAIN
SPOUT

GUTTER

FL. DRAIN (EXISTING)

ROOF PITCH

PIPE

STEAM
KETTLE
EXHAUST
DUCT

550 – GALLON
AST

ROOF
PITCH

FORMER FL. DRAIN
AND PIPING

300 TON
HYD.
PRESS

DRILL
PRESS

STEAM
KETTLE

HOOD

FL. DRAIN

COND.
PUMP
PIT

SINK

BOILER ROOF
VENT

FL. DRAIN

ROOF PITCH

BAY #3

BAY #2

BAY #1

ROOF PITCH

AIR
COMP.

HYD.
PUMP

FORMER
FUEL TANK
500 GALLON

ROOF DRAIN
SPOUT

ROOF DRAIN
SPOUT

SLOPE

HYD. RESERVOIR
TANK ROOM

GUTTER

MW-195

0 5 10 20 Feet

FIGURE 2-10

J-3 RANGE MELT/POUR BUILDING

Impact Area
Groundwater Study Program
JBCC

SCALE
AS SHOWN

Contract No. DACW33-02-D-0003

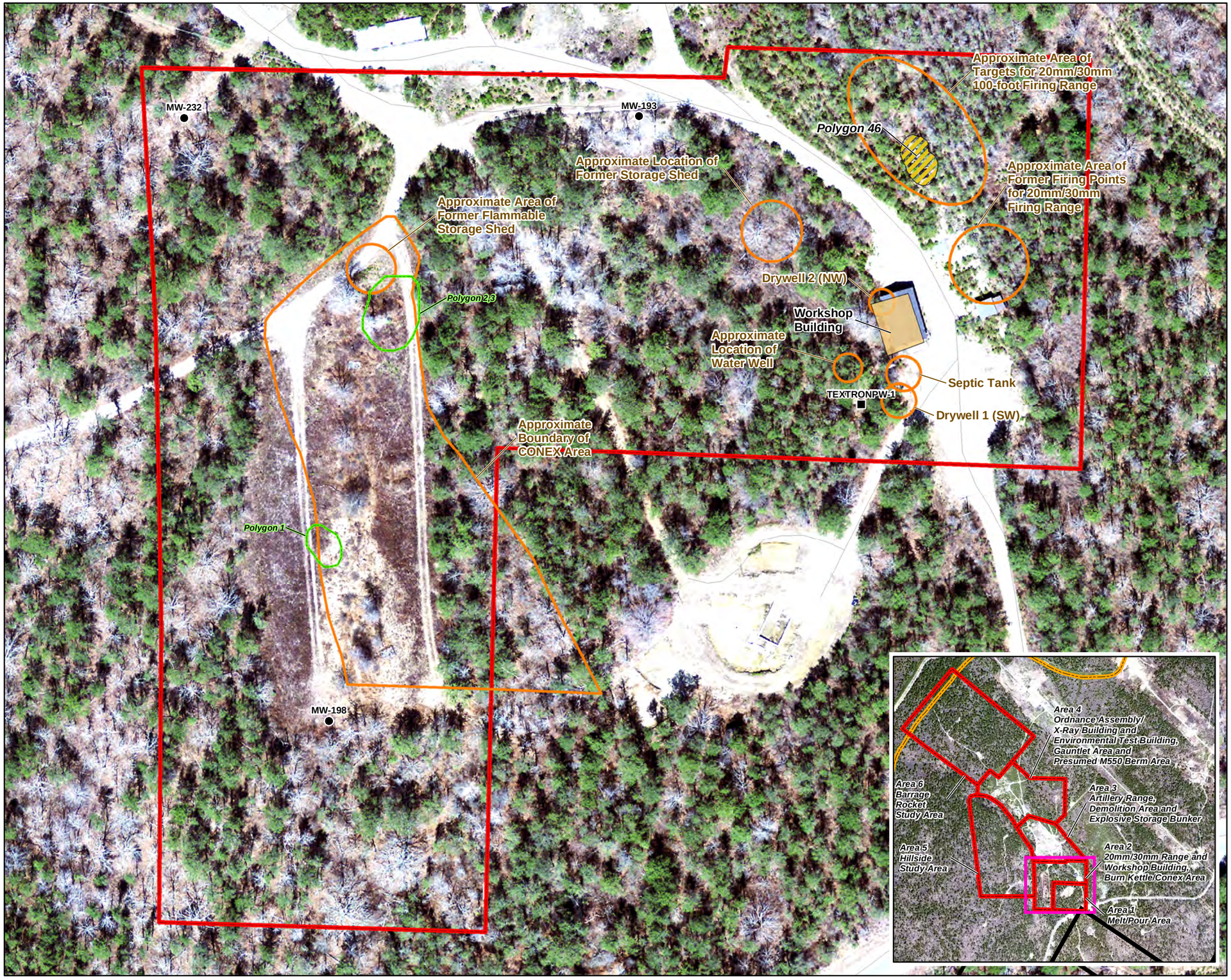
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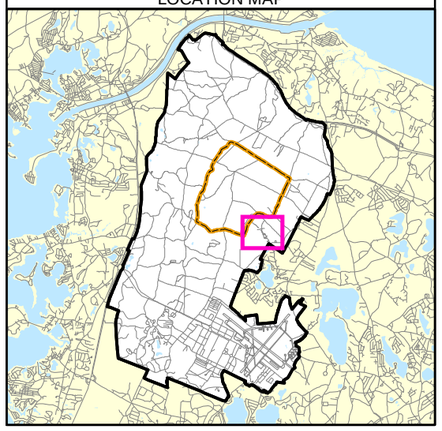


Impact Area Groundwater Study Program

LEGEND

- Existing Monitoring Wells
- Existing Water Supply Well
- Buildings
- Additional Polygons
- MSP Phase III Polygons
- Areas of Interest
- Roads
- J-3 Range Area 2 Boundary
- JBCC Boundary

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range Area 2 20mm/30mm Ranges and Workshop Building, Burn Kettle/Conex Area

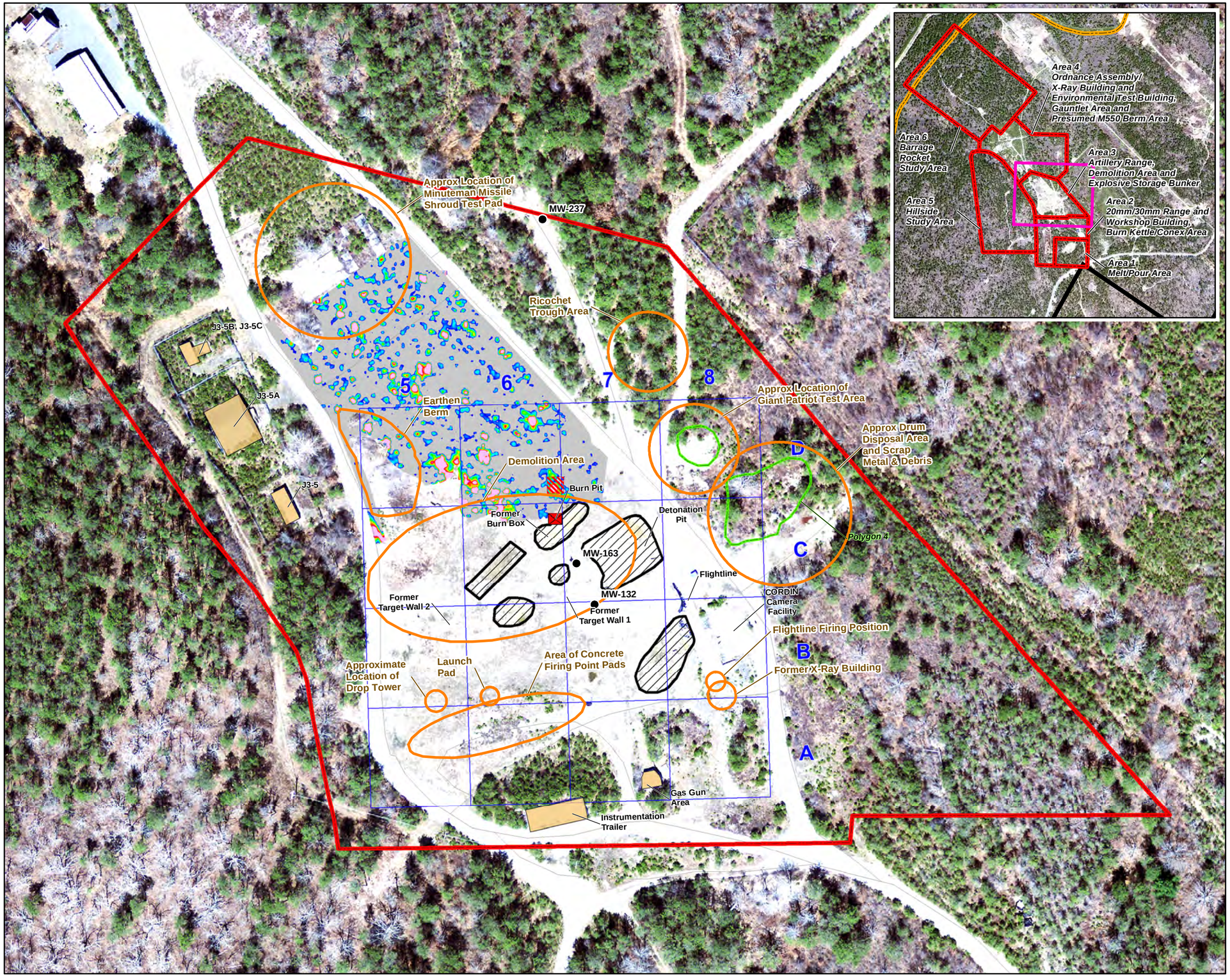
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FIGURE

2-11

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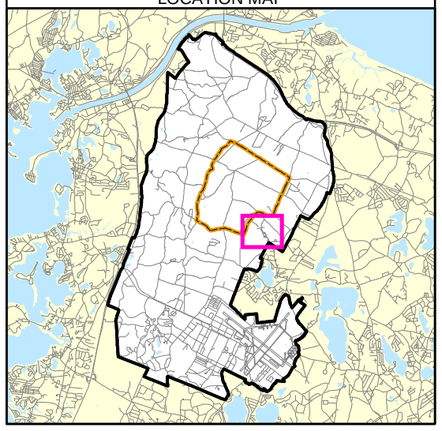


Impact Area Groundwater Study Program

LEGEND

- BurialPit
- Existing Monitoring Wells
- Areas of Interest
- Buildings
- Burn Pit
- J-3 Grids
- J-3 Excavation Boundary
- MSP Phase III Polygons
- J-3 Range Area 3 Boundary
- Roads
- EM-61 Signal Data

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

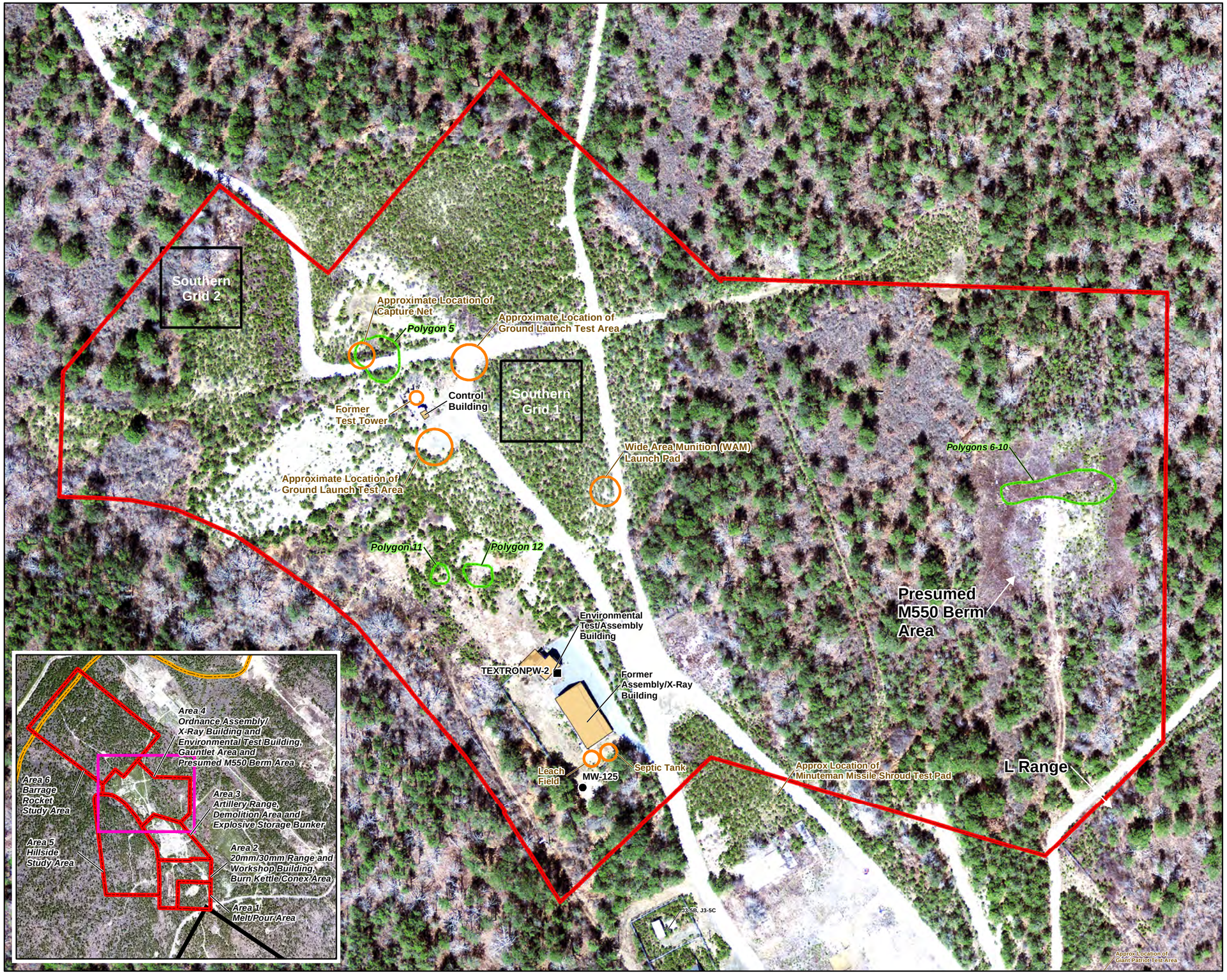
J-3 Range Area 3 Artillery Range, Demolition Area and Explosive Storage Bunker

0 25 50 75 100
Feet

N

FIGURE
2-12

Document Path: P:\GIS\MMRJ3\GIS\SpatialMXD\20140113_RIFS\Fig2-12_J3Area3Demolition.mxd

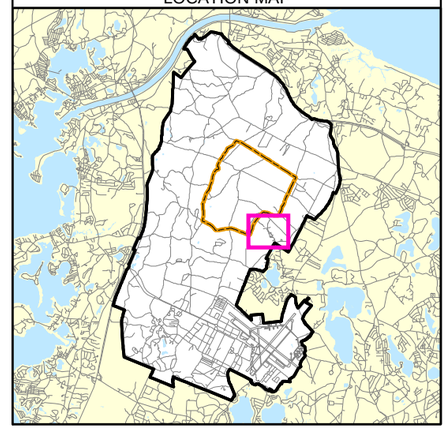


Impact Area Groundwater Study Program

LEGEND

- Existing Monitoring Wells
- Existing Water Supply Well
- Areas of Interest
- Buildings
- MSP Phase III Polygons
- J-3 Range Area 4 Boundary
- J-3 Range EM-61 Investigation Grids
- Roads

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

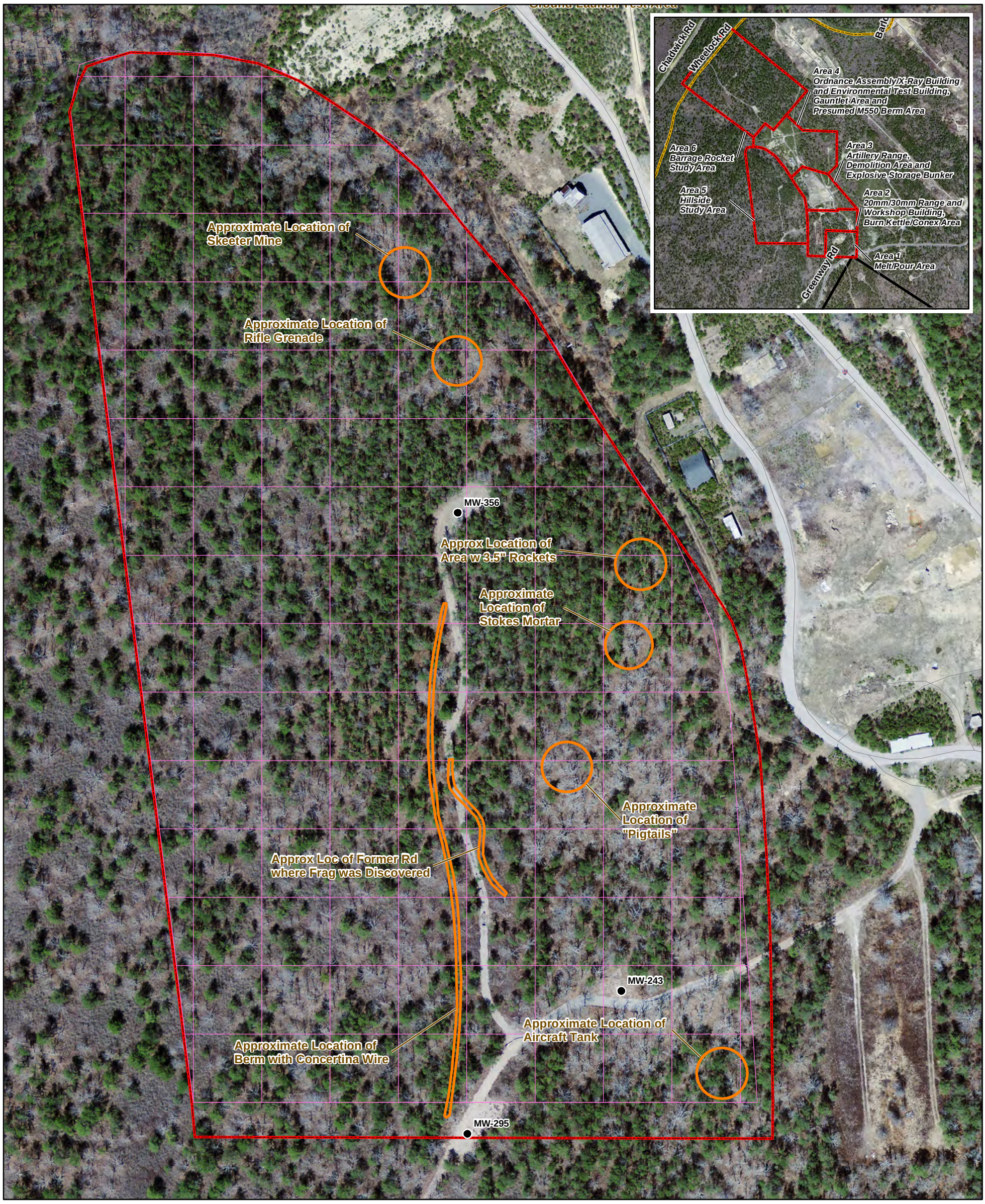
J-3 Range Area 4 Ordnance Assembly/ X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area

0 25 50 75 100
Feet

N

FIGURE
2-13

Document Path: P:\GIS\MMRU3\GIS\SpatialMXD\20140113_RIFS\Fig2-13_J3Area4Gauntlet.mxd



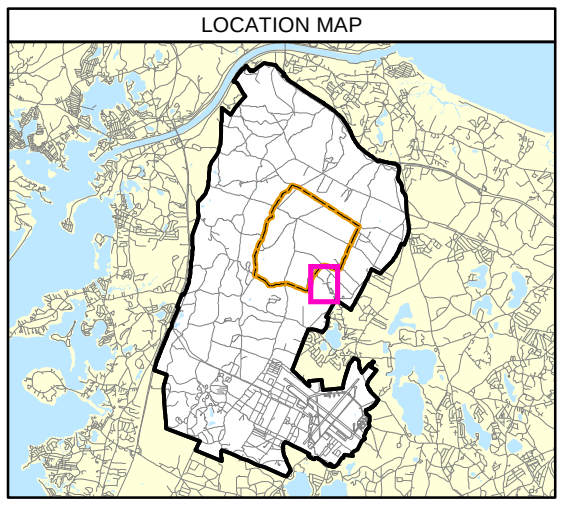
LEGEND

- Existing Monitoring Wells
- Areas of Interest
- J-3 Hillside Grid
- J-3 Range Area 5 Boundary
- Roads
- EM-61 Signal Data

0 50 100 150 200 Feet

N

LOCATION MAP



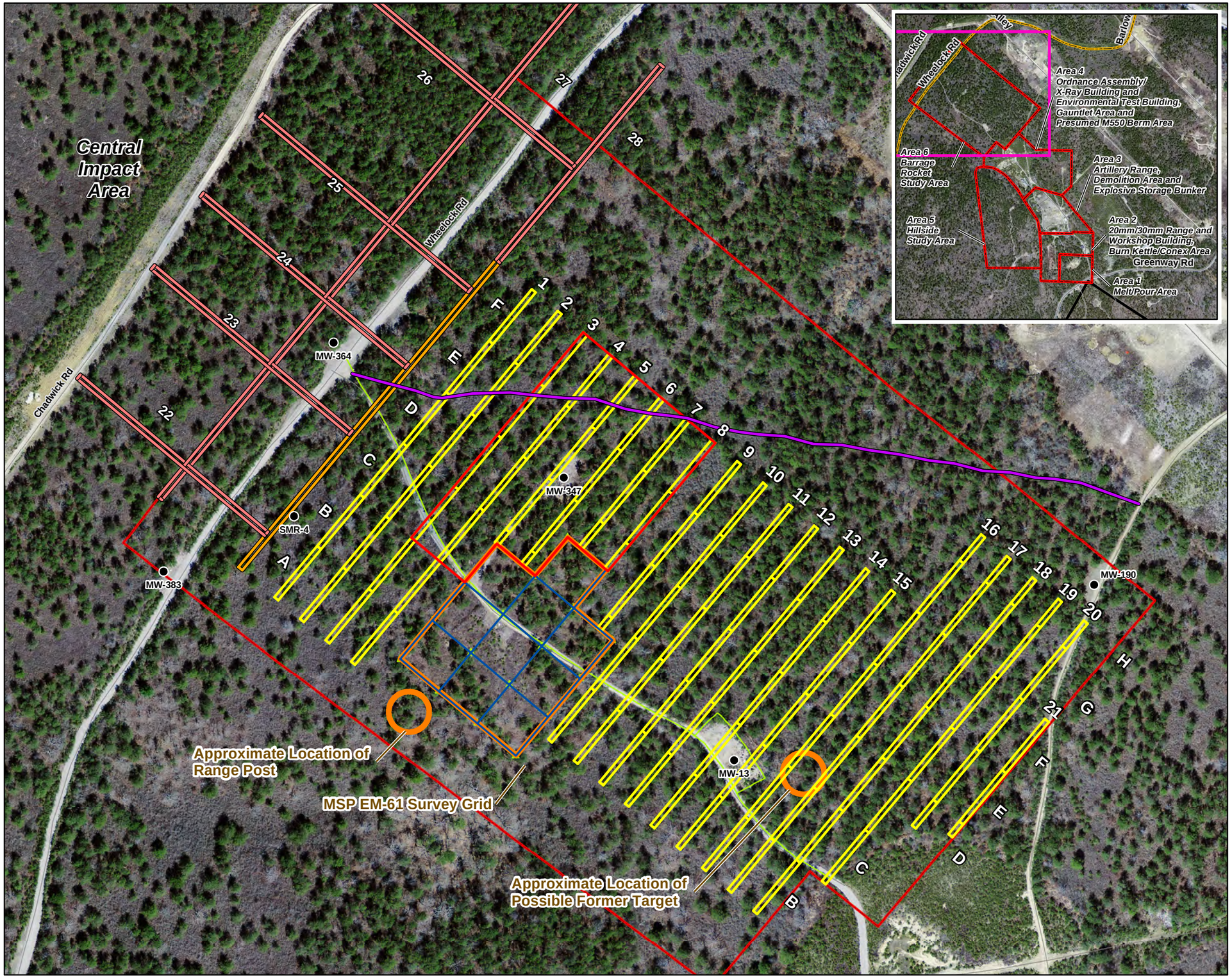
NOTES & SOURCES
Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

J-3 Range Area 5
Hillside Study Area

FIGURE
2-14

Document Path: P:\GIS\MMR\J3\GIS\Spatial\MXD\20140113_RIFS\Fig2-14_J3Area5Hillside.mxd

Impact Area
Groundwater Study Program

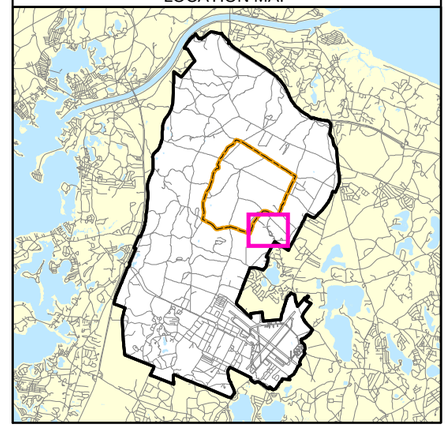


Impact Area
Groundwater Study Program

LEGEND

- Existing Monitoring Wells
- Firebreak for Detailed Reconnaissance
- Transect for Detailed Reconnaissance
- J-3 Barrage Northern Transect
- Intrusive Investigation Area
- MSP I Grids
- Transect Extension Boundaries
- Areas of Interest
- Buildings
- J-3 Barrage Rocket Transects
- J-3 Range Area 6 Boundary

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range Area 6 Barrage Rocket Study Area

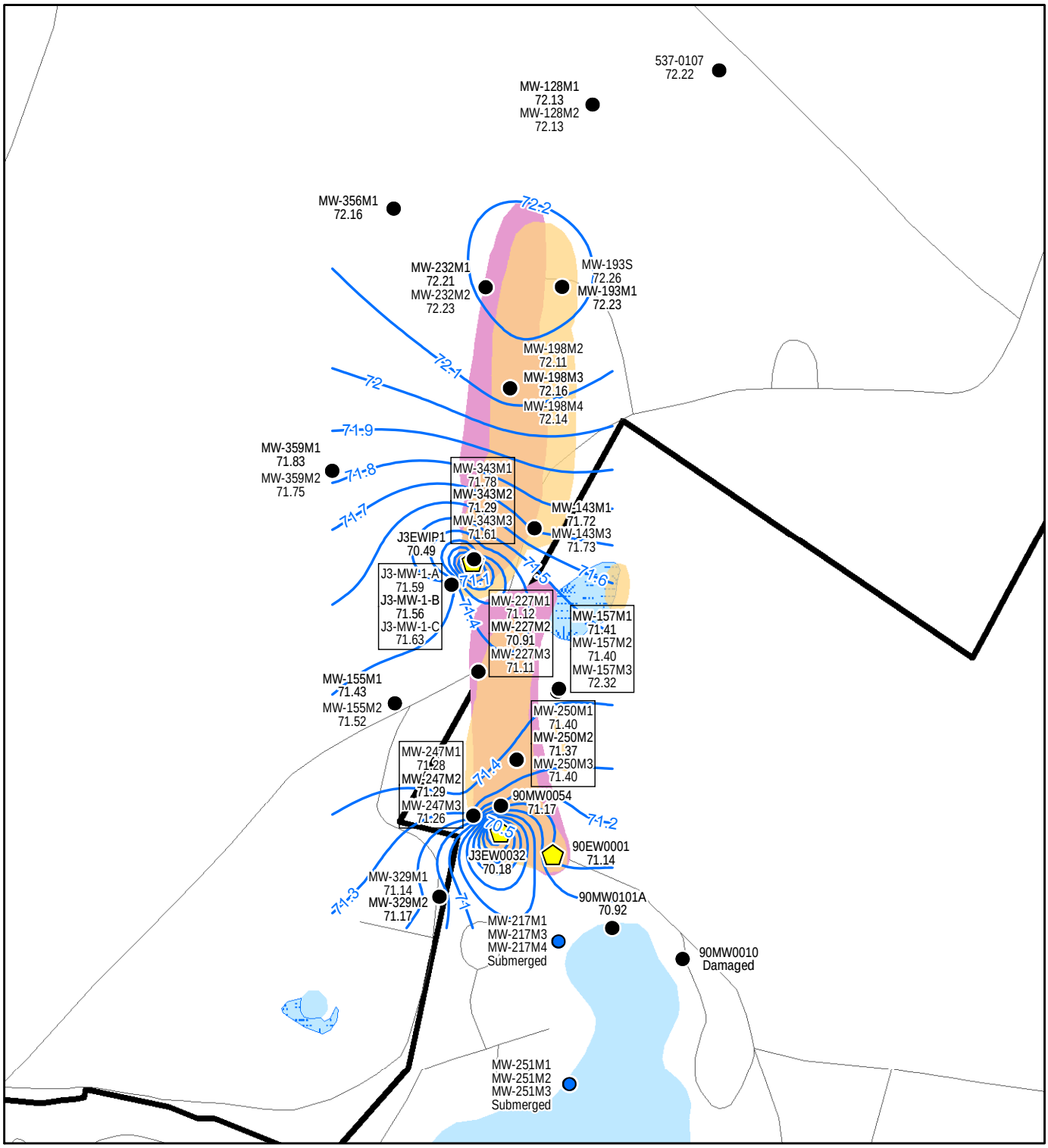
0 100 200 300 400 Feet

N

FIGURE

2-15

Document Path: P:\GIS\MMRU3\GIS\SpatialMXD\20140113_RIFS\Fig2-15_J3Area6Barrage.mxd



Legend

- Extraction Well
- Monitoring Well
  - MW-157M1 71.19 — Value used in contouring
  - MW-157M2 71.21 — Value not used in contouring
- Monitoring Well (Submerged)
- Perchlorate Plume (shown to 2 µg/L)
- RDX Plume (shown to 0.6 µg/L)

Plumes: January 2014

- JBCC Boundary
- 71.7 — Potentiometric Contours, 0.1 foot mean sea level intervals

Location Map

N

0 750 Feet

TITLE

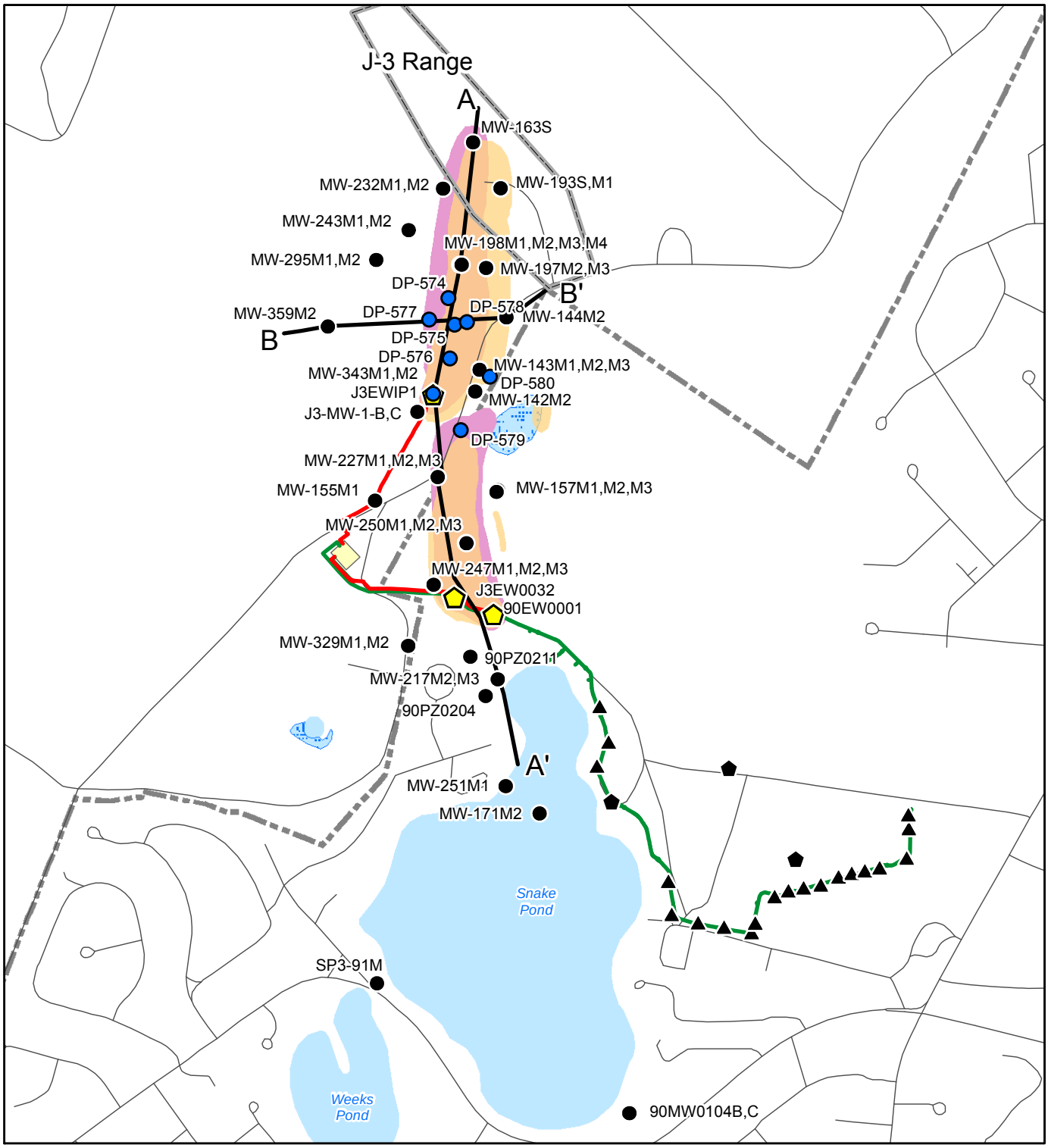
J-3 Groundwater Potentiometric Map for July 16, 2013

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE 2-16

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June 27, 2014 DWN: MTW CHKD: KJH



TITLE

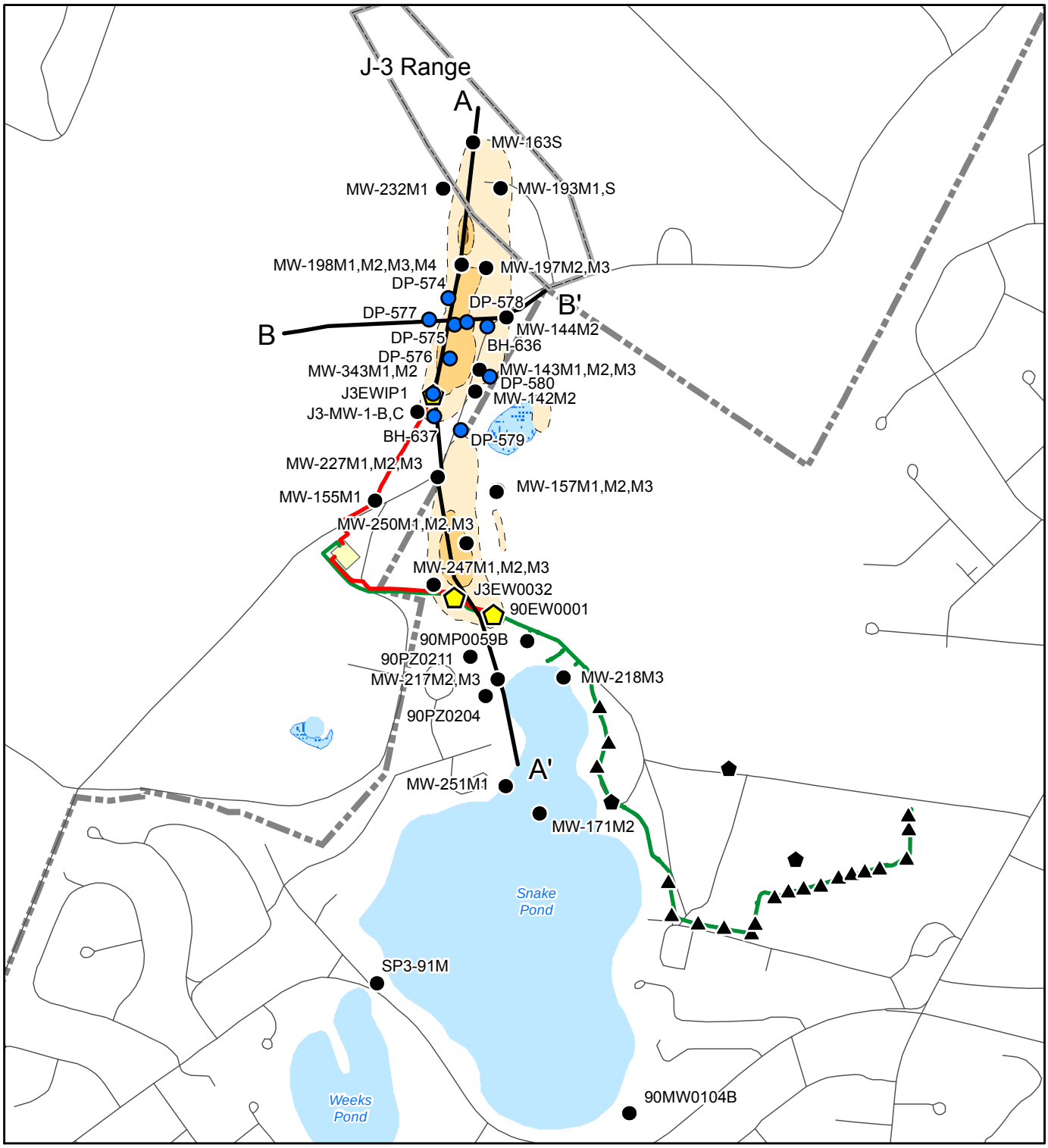
J-3 Range Environmental Monitoring
Perchlorate and RDX Networks

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE 3-1

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M:\MMR\2014\J3\AnnRpt\MXDs\Fig3-1_040814.mxd
April 15, 2014 DWN: MTW CHKD: KJH



Legend

- Monitoring Well
- J-3 Extraction Well (operational)
- FS-12 Extraction Well (operational)
- Reinjection Well (operational)
- Influent Piping
- Effluent Piping
- Recent Borehole

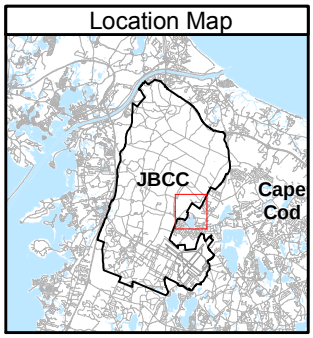
RDX Detections

- 0.6-2 µg/L
- 2-6 µg/L
- 6-20 µg/L

- Treatment System
- J-3 Range Boundary
- JBCC Boundary

Plume: January 2014

Location Map



N

0 1,000 Feet

TITLE

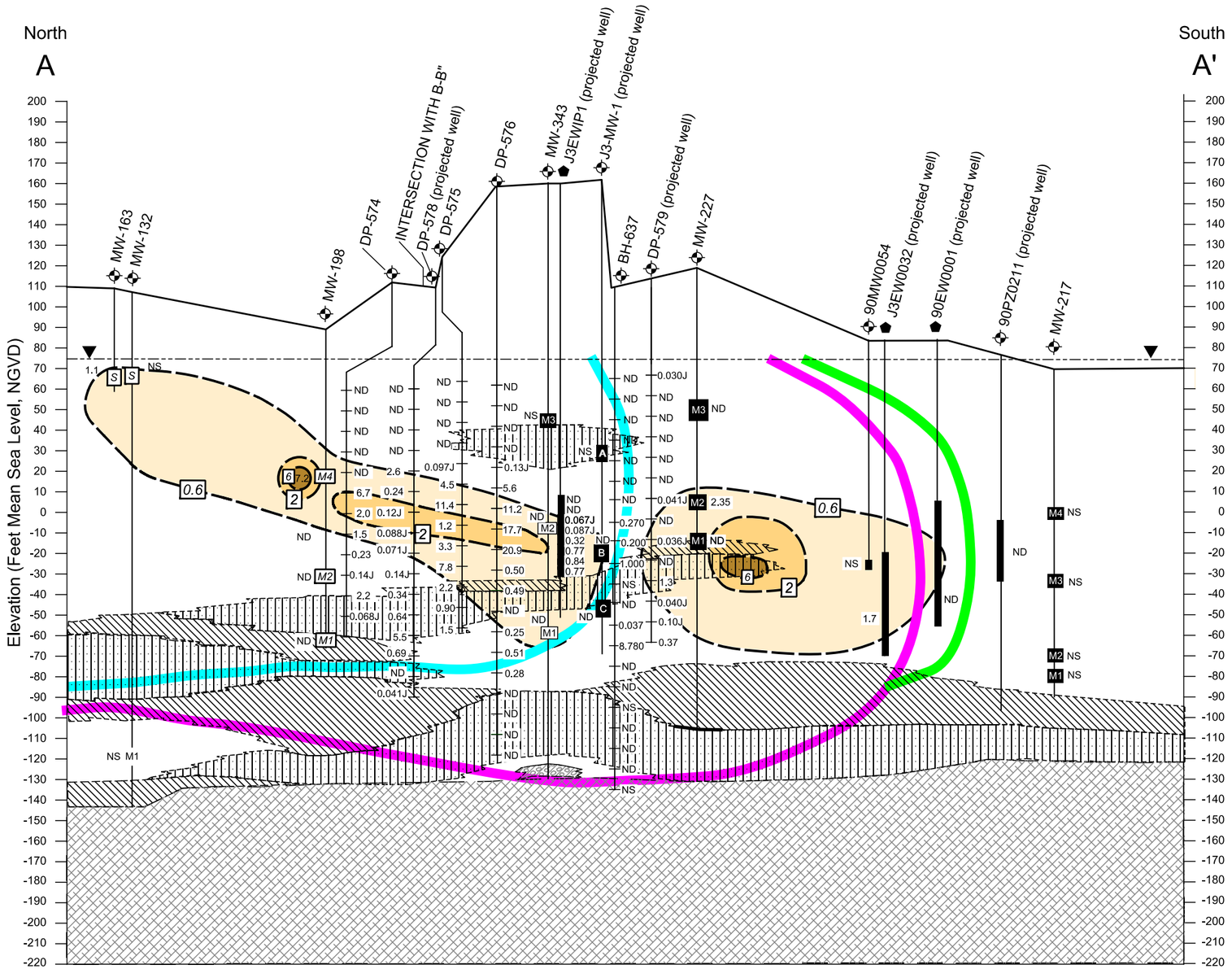
J-3 Range Environmental Monitoring RDX Network

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE 3-2

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M:\MMR\2014\J3\RIFS\MXDs\Fig3-2_062714.mxd
June 27, 2014 DWN: MTW CHKD: KJH



LEGEND

- EXTRACTION WELL
- MONITORING WELL
- WATER TABLE
- M1 WELL SCREEN ID

- SAND
- SILT/ CLAY
- SAND AND SILT/CLAY
- BASAL GRAVEL/SAND
- BEDROCK

NS	NOT SAMPLED
J	ESTIMATED CONCENTRATION
ND	NOT SAMPLED
µg/L	MICROGRAMS PER LITER
NGVD	NATIONAL GEODETIC VERTICAL DATUM

- .6-2 µg/L
- 2-6 µg/L
- 6-20 µg/L

- VERTICAL CAPTURE ZONE FOR J3EWIP1 2014 OPERATIONAL CONDITIONS
- VERTICAL CAPTURE ZONE FOR J3EW0032 2014 OPERATIONAL CONDITIONS
- VERTICAL CAPTURE ZONE FOR 90EW0001 2014 OPERATIONAL CONDITIONS

CROSS-SECTION SHOWS MODEL PREDICTED CONTAMINANT CONTOURS AND RECENTLY MEASURED CONCENTRATION DATA AT MONITORING WELL SCREENS AND WITHIN BOREHOLES.

NOTE: RDX CONCENTRATIONS WERE MEASURED DURING 2013

DATA SOURCE: IAGWSP EDMS DATABASE, WATER LEVEL FROM 2013 SYNOPTIC EVENT.

HORIZONTAL SCALE: 1"=500'
0' 250' 500'

0' 30' 60'
VERTICAL SCALE: 1"=60'

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CAPE COD. MASSACHUSETTS
IMPACT AREA GROUNDWATER STUDY PROGRAM
J-3 SITE
PLUME CROSS SECTION A-A'
ILLUSTRATING RDX DISTRIBUTIONS AND GEOLOGY JAN 2014

DATE: 9/26/2014
PLOT SCALE: 1"=60'- 0"
FILE NAME: J3_RDX-AA'-Fig_3-3_4-17-2014

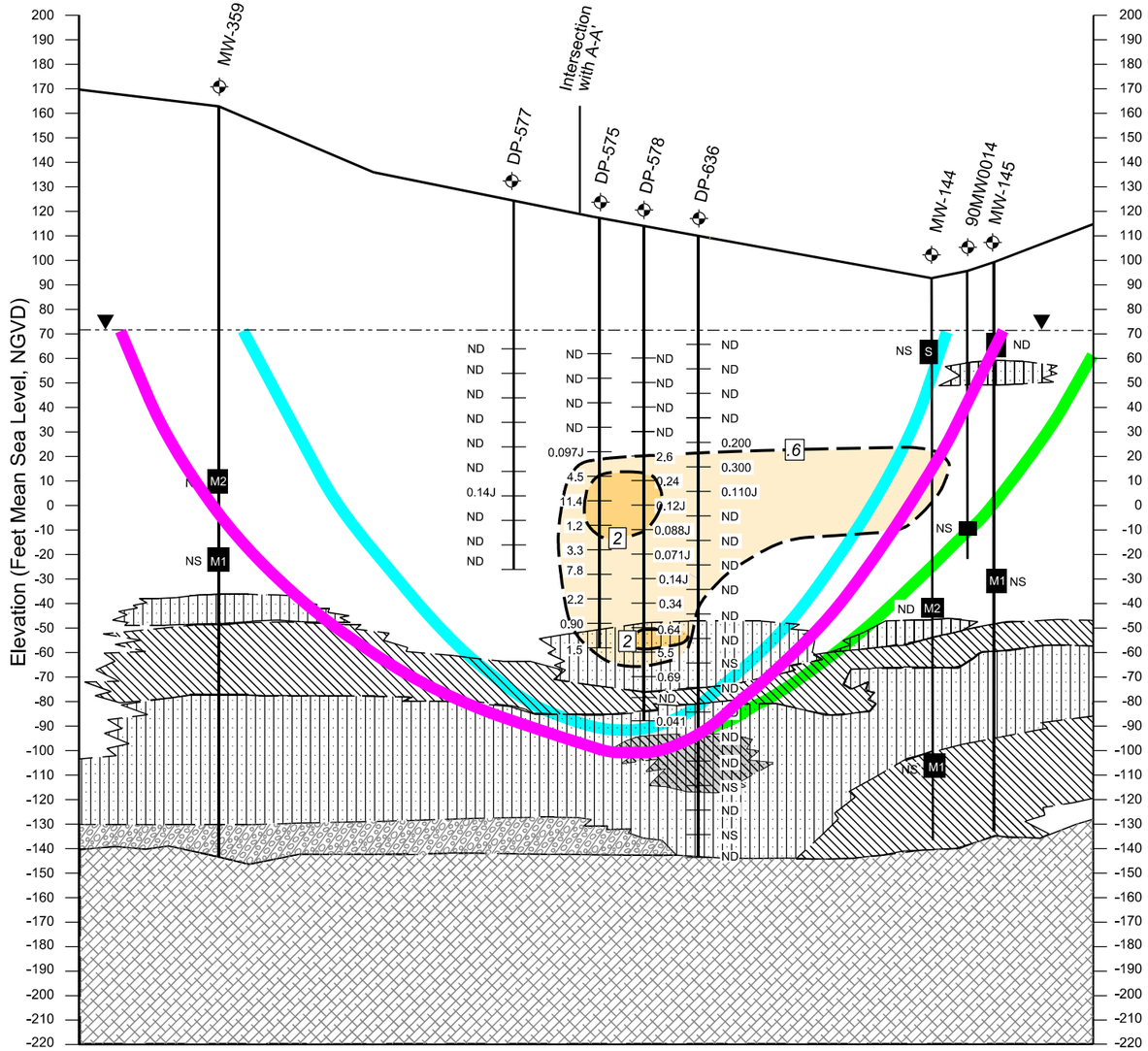
FIGURE 3-3

West

B

East

B'



Legend

- Extraction Well
- Monitoring Well
- Water table
- M1 Well screen ID
- Sand
- Silt/ Clay
- Sand and Silt/Clay
- Basal Gravel/Sand
- Bedrock

NS	Not Sampled
J	Estimated Concentration
ND	Nondetect
µg/L	Micrograms per liter
NGVD	National Geodetic Vertical Datum

- .6-2 µg/L
- 2-6 µg/L

- Vertical Capture Zone for J3EWIP1 - 150 GPM
- Vertical Capture Zone for J3EW0032 - 65 GPM
- Vertical Capture Zone for 90ew0001 - 50 GPM

Cross-section shows model predicted contaminant contours and recently measured concentration data at monitoring well screens and within boreholes.

Note: RDX concentrations were measured during September 2012 sampling event.
Data Source: IAGWSP EDMS Database, Water level from 2013 Synoptic Event.

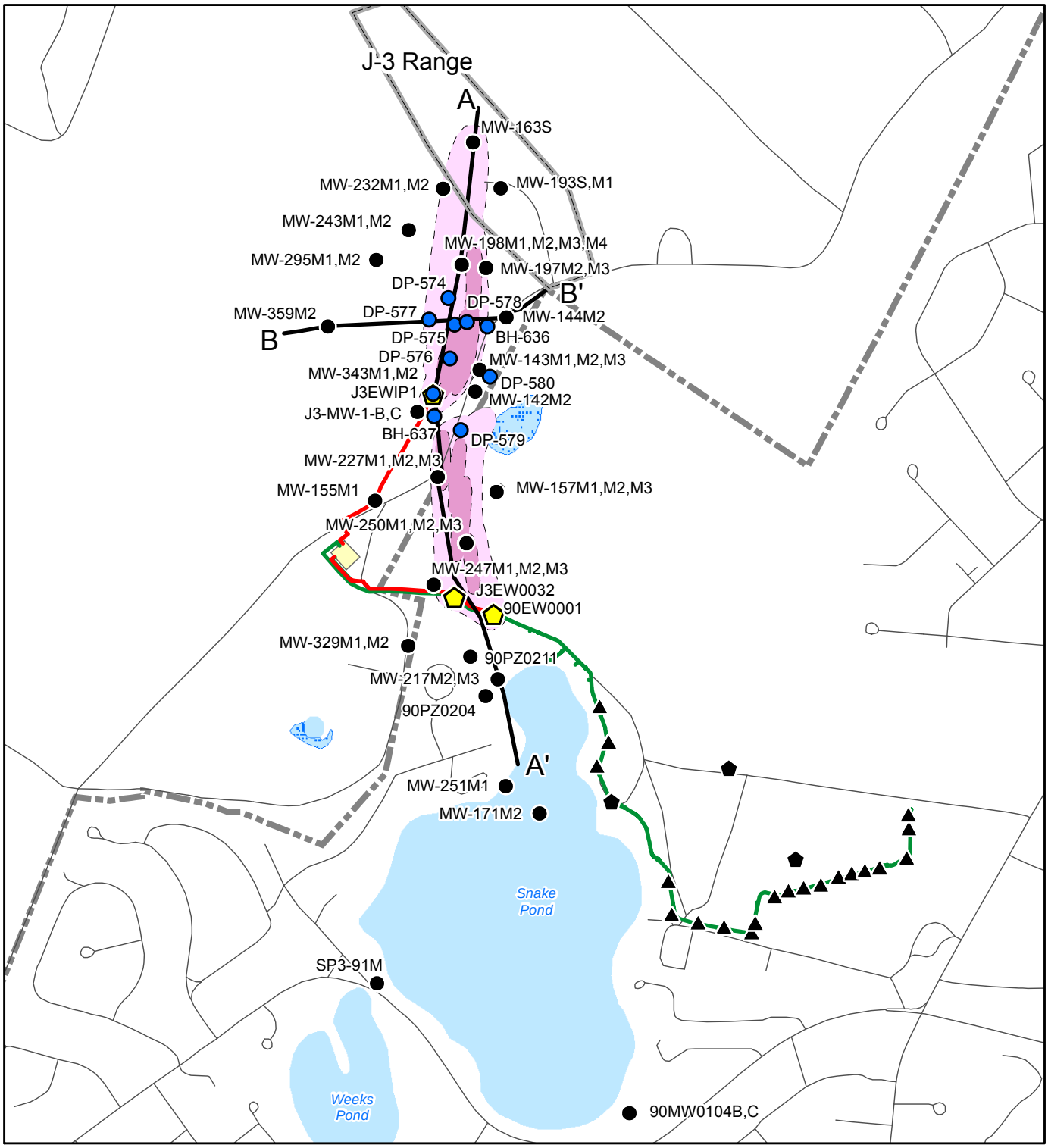
HORIZONTAL SCALE: 1"=500'
0' 250' 500'
0' 30' 60'
VERTICAL SCALE: 1"=60'

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IMPACT AREA GROUNDWATER
STUDY PROGRAM
J-3 SITE ALTERNATIVE 4
PLUME CROSS SECTION B-B'
ILLUSTRATING RDX DISTRIBUTIONS
AND GEOLOGY JAN 2014

DATE: 7/3/2014
PLOT SCALE: 1"=60'-0"
FILE NAME: J3_RDX-BB-Fig_3-4_7-2-2014.dgn

FIGURE 3-4



Legend

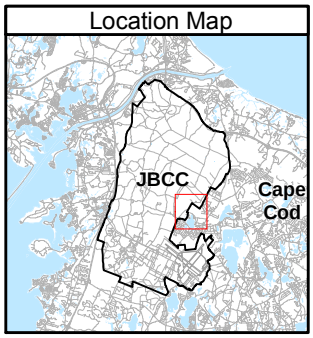
- Monitoring Well
- J-3 Extraction Well (operational)
- FS-12 Extraction Well (operational)
- Reinjection Well (operational)
- Influent Piping
- Effluent Piping
- Recent Borehole

Perchlorate Detections

- 2-15 µg/L
- 15-200 µg/L
- Treatment System
- J-3 Range Boundary
- JBCC Boundary

Plume: January 2014

Location Map



N

0 1,000 Feet

TITLE

J-3 Range Environmental Monitoring Perchlorate Network

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE 3-5

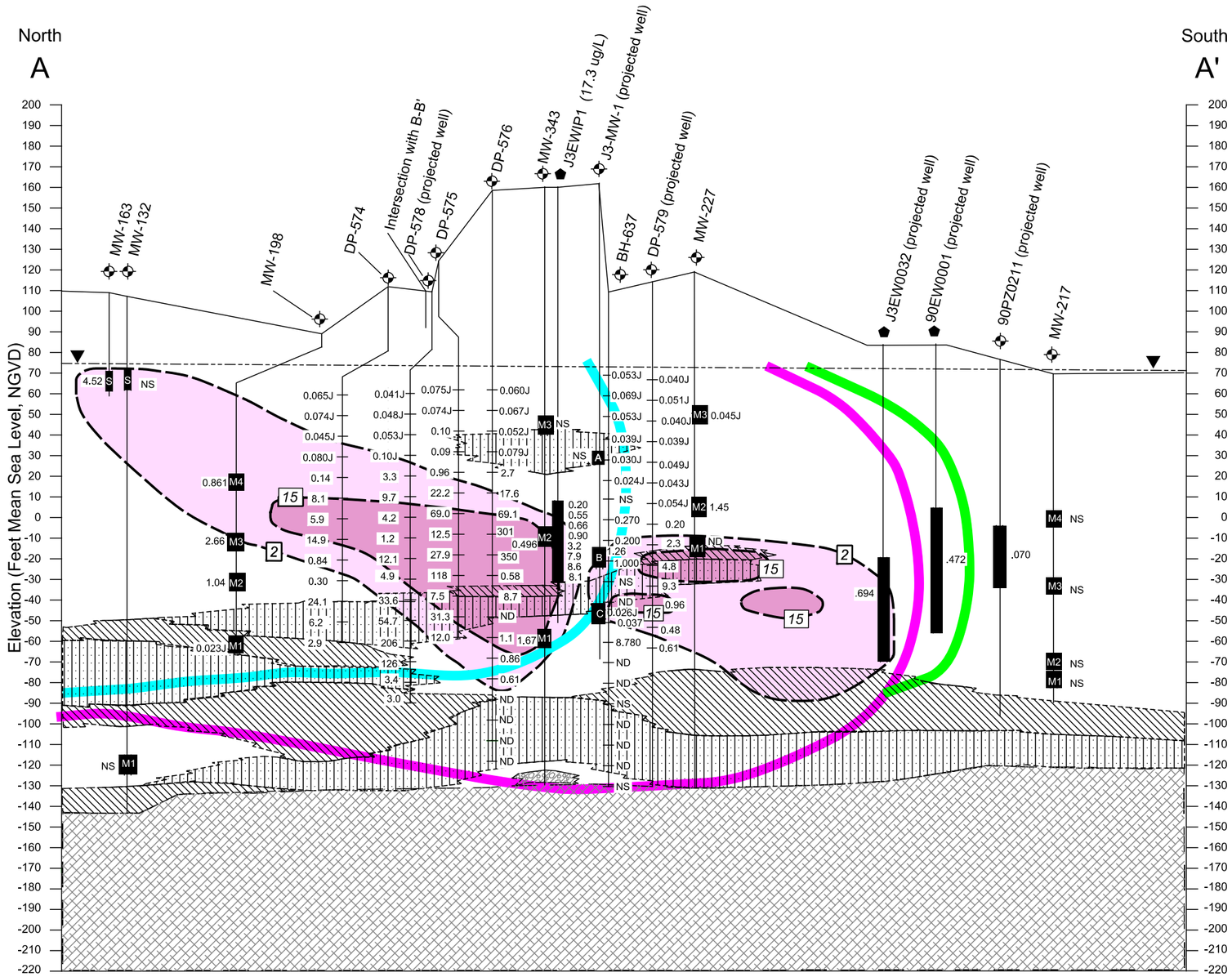
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M:\MMR\2014\J3\RIFS\MXDs\Fig3-5_062714.mxd
June 27, 2014 DWN: MTW CHKD: KJH

North

A

South

A'



LEGEND

- EXTRACTION WELL
- MONITORING WELL
- WATER TABLE
- M1 WELL SCREEN ID

- SAND
- SILT/ CLAY
- SAND AND SILT/CLAY
- BASAL GRAVEL/SAND
- BEDROCK

NS	NOT SAMPLED
NS	ESTIMATED CONCENTRATION
ND	NONDETECT
µg/L	MICROGRAMS PER LITER
NGVD	NATIONAL GEODETIC VERTICAL DATUM

- 2-15 µg/L
- 15-200 µg/L

- VERTICAL CAPTURE ZONE FOR J3EWIP1 2014 OPERATIONAL CONDITIONS
- VERTICAL CAPTURE ZONE FOR J3EW0032 2014 OPERATIONAL CONDITIONS
- VERTICAL CAPTURE ZONE FOR 90EW0001 2014 OPERATIONAL CONDITIONS

CROSS-SECTION SHOWS MODEL PREDICTED CONTAMINANT CONTOURS AND RECENTLY MEASURED CONCENTRATION DATA AT MONITORING WELL SCREENS AND WITHIN BOREHOLES.

NOTE: PERCHLORATE CONCENTRATIONS WERE MEASURED DURING 2013 DATA SOURCE: IAGWSP EDMS DATABASE, WATER LEVEL FROM 2013 SYNOPTIC EVENT.

HORIZONTAL SCALE: 1"=500'
0' 250' 500'

0' 30' 60'
VERTICAL SCALE: 1"=60'

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J-3 SITE
PLUME CROSS SECTION A-A'
ILLUSTRATING PERCHLORATE DISTRIBUTIONS AND GEOLOGY JAN 2014

DATE: 9/26/2014
PLOT SCALE: 1"=60'- 0"
FILE NAME: J3_PER-A-A'_Fig_3-6_5-5-2014

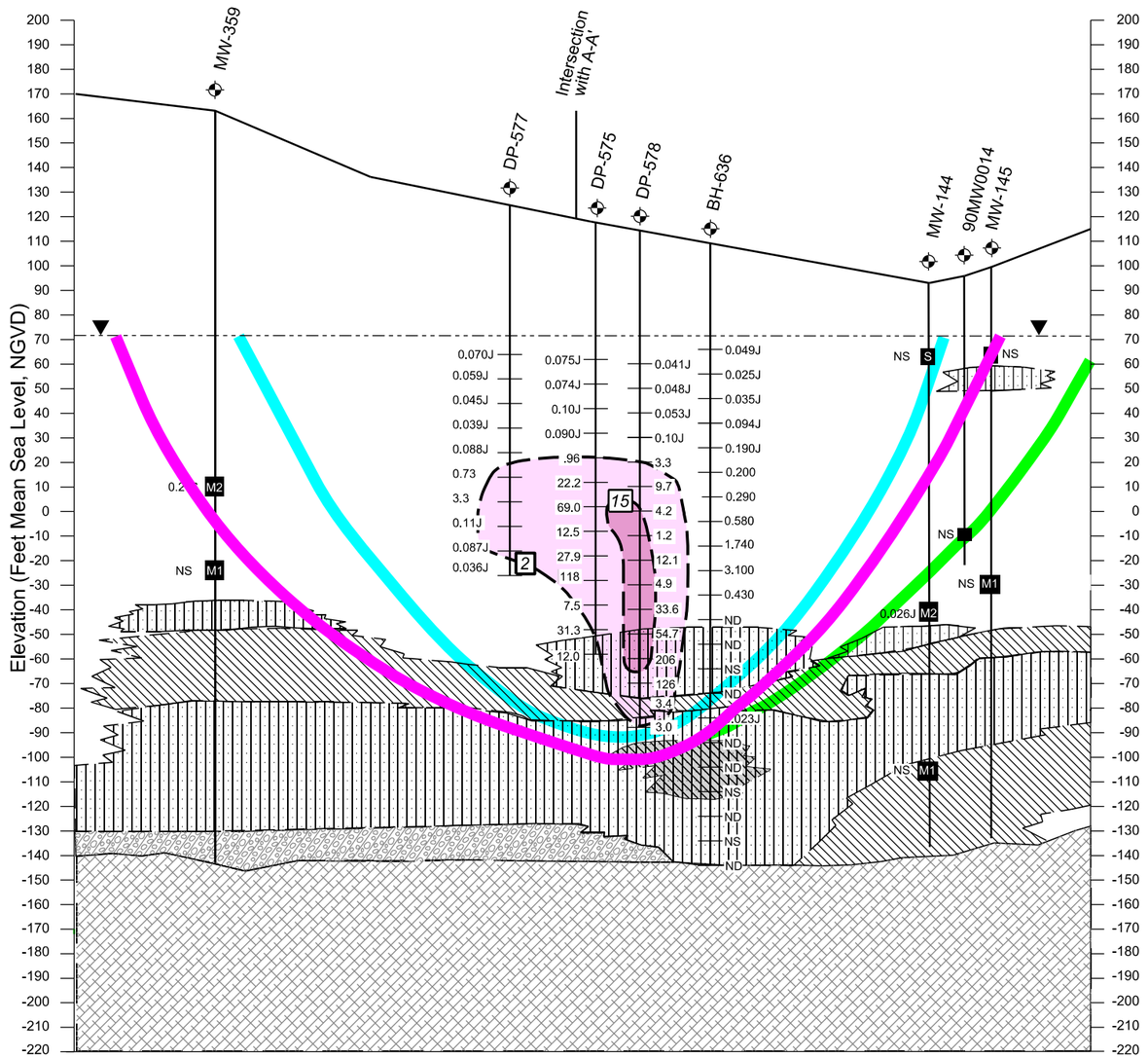
FIGURE 3-6

West

B

East

B'



Legend

- Extraction Well
- Monitoring Well
- Water table
- M1 Well screen ID
- Sand
- Silt/ Clay
- Sand and Silt/Clay
- Basal Gravel/Sand
- Bedrock

NS	Not Sampled
J	Estimated Concentration
ND	Nondetect
µg/L	Micrograms per liter
NGVD	National Geodetic Vertical Datum

- 2-15 µg/L
- 15-200 µg/L

- Vertical Capture Zone for J3EWIP1 - 150 GPM
- Vertical Capture Zone for J3EW0032 - 65 GPM
- Vertical Capture Zone for 90ew0001 - 50 GPM

Cross-section shows model predicted contaminant contours and recently measured concentration data at monitoring well screens and within boreholes.

Note: RDX concentrations were measured during September 2012 sampling event.
Data Source: IAGWSP EDMS Database, Water level from 2013 Synoptic Event.

HORIZONTAL SCALE: 1"=500'
0' 250' 500'

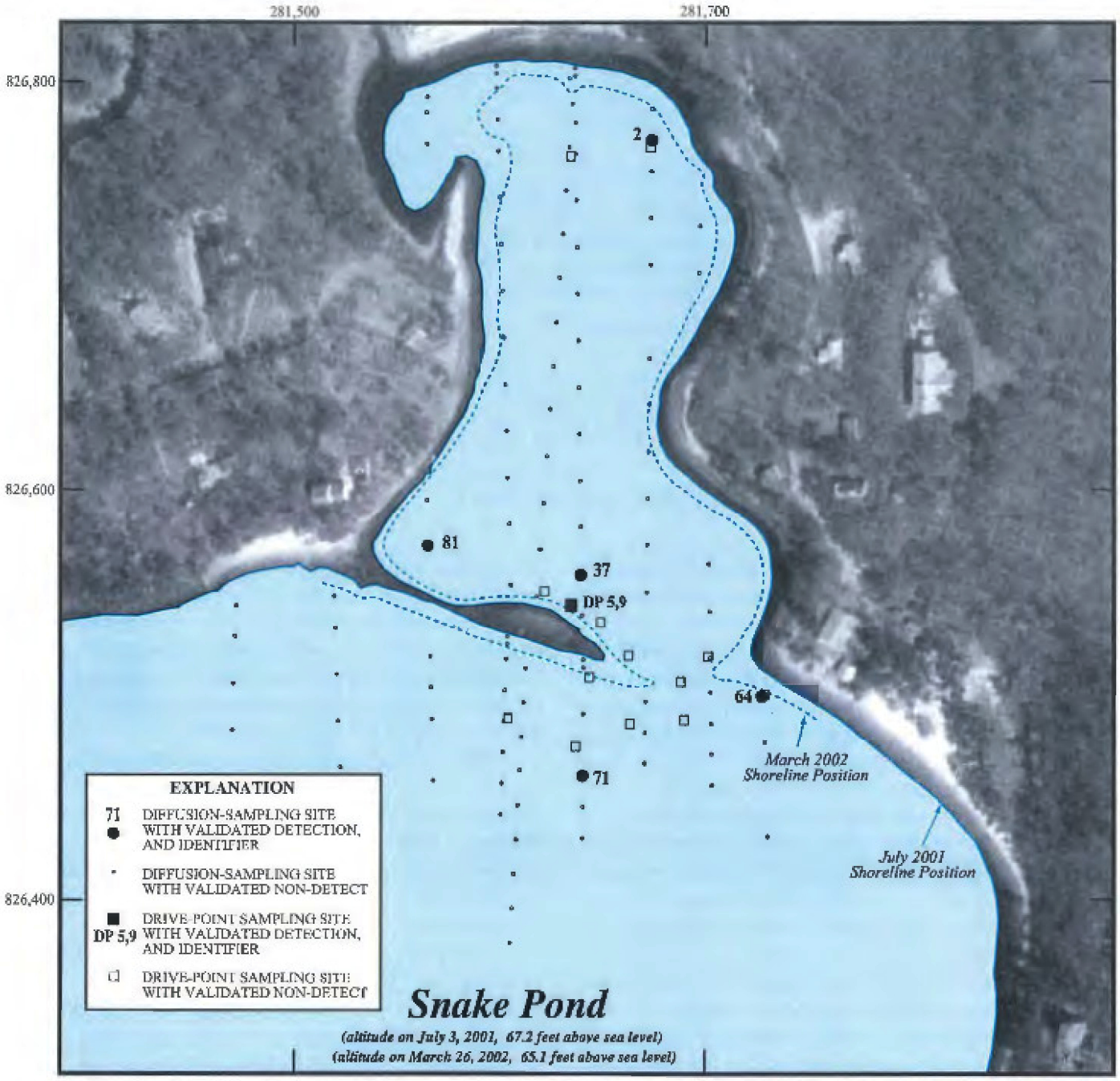
0' 30' 60'
VERTICAL SCALE: 1"=60'

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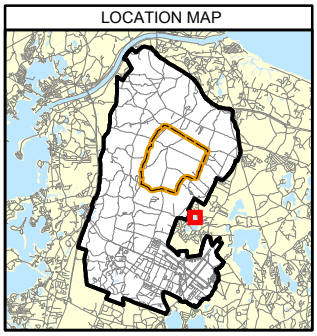
JOINT BASE CAPE COD
CAPE COD. MASSACHUSETTS
IMPACT AREA GROUNDWATER
STUDY PROGRAM
J-3 SITE ALTERNATIVE 4
PLUME CROSS SECTION B-B'
ILLUSTRATING PERCHLORATE DISTRIBUTIONS
AND GEOLOGY JAN 2014

DATE: 7/3/2014
PLOT SCALE: 1"=60'- 0"
FILE NAME: J3_PER-BB'-Fig_3-7_7-2-2014

FIGURE 3-7



LOCATION MAP



NOTES & SOURCES
Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from ARNG and MassGIS

Diffusion and Drive Point Sampling Locations

FIGURE
3-8

Document Path: P:\GIS\MMRU3\GIS\Spatial\MXD\20140113_RIFS\Fig3-08_Diffusion_DrivePoint_SamplingLocs.mxd

Impact Area
Groundwater Study Program



LEGEND

Snake Pond Surface Water Sample Locations

- To be Sampled
- Other Sample Locations

LOCATION MAP



0 400 Feet

N

NOTES & SOURCES
Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG

ECC MMR
Cape Cod, Massachusetts

Snake Pond Surface Water Sample Locations
Long Term Groundwater Monitoring Program

FIGURE
3-9

GIS Server
C:\TERC_GIS\CTO002\LTGM\LTGM_Apr07_ZI.mxd
April 2007 DWN BY: JYK CHKD BY: AEC

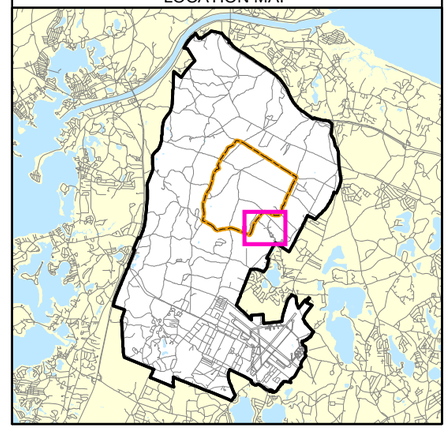
Impact Area
Groundwater Study Program

Impact Area
Groundwater Study Program

LEGEND

- Sample Location
- Groundwater Contours (2007)
- Firebreak for Detailed Reconnaissance
- Transect for Detailed Reconnaissance
- J-3 Barrage Northern Transect
- Intrusive Investigation Area
- MSP I Grids
- Transect Extension Boundaries
- J-3 Range EM-61 Investigation Grids
- J-3 Study Area Boundary
- J-3 Grids
- J-3 Barrage Rocket Transects
- J-3 Hillside Grid
- Impact Area Boundary
- Southeast Ranges Boundaries
- RDX Plume (2014)
- Perchlorate Plume (2014)

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range
Soil/Geophysical RI
Study Areas

0 150 300 450 600
Feet

N

FIGURE
4-1

Area 6
Barrage Rocket
Study Area

Area 4
Ordnance Assembly/X-Ray Building and
Environmental Test Building, Gauntlet Area and
Presumed M550 Berm Area

Area 3
Artillery Range,
Demolition Area and
Explosive Storage Bunker

Area 5
Hillside Study Area

Area 2
20mm/30mm Range a
Workshop Building,
Burn Kettle/Conex Are

Area 1
Melt/Pour Area

Southern Grid 2

Southern Grid 1

73.4'

73'

72'

Document Path: P:\GIS\MMR\J3\GIS\SpatialMXD\20140113_RIFS\Fig4-01_J3RangeStudyAreas.mxd

Impact Area
Groundwater Study Program

LEGEND

Munitions in J-3 Range
- HE
- Presumed HE
- Propellant/Energetic
- Small Quantity Energetic
- Inert

Soil Sample Locations
- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Aerial Photo Target Locations
- Existing Monitoring Wells
- Areas of Interest
- Former Melt/Pour Building
- J-3 Range Area 1 Boundary
- J-3 Excavation Boundary
- Geophysical Anomalies Removed Areas
- Roads

NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range Area 1 Melt/Pour Area Characterization Summary

0 20 40 60 80 Feet

N

FIGURE
4-2

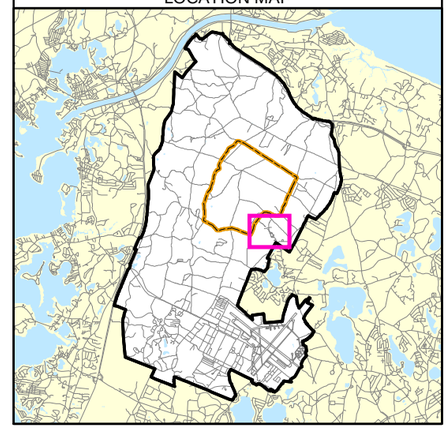
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Impact Area
Groundwater Study Program

LEGEND

Remaining Soil Sample Locations
- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Existing Monitoring Wells
- Areas of Interest
- Former Melt/Pour Building
- J-3 Range Area 1 Boundary
- J-3 Excavation Boundary
- Geophysical Anomalies Removed Areas
- Roads
- JBCC Boundary

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

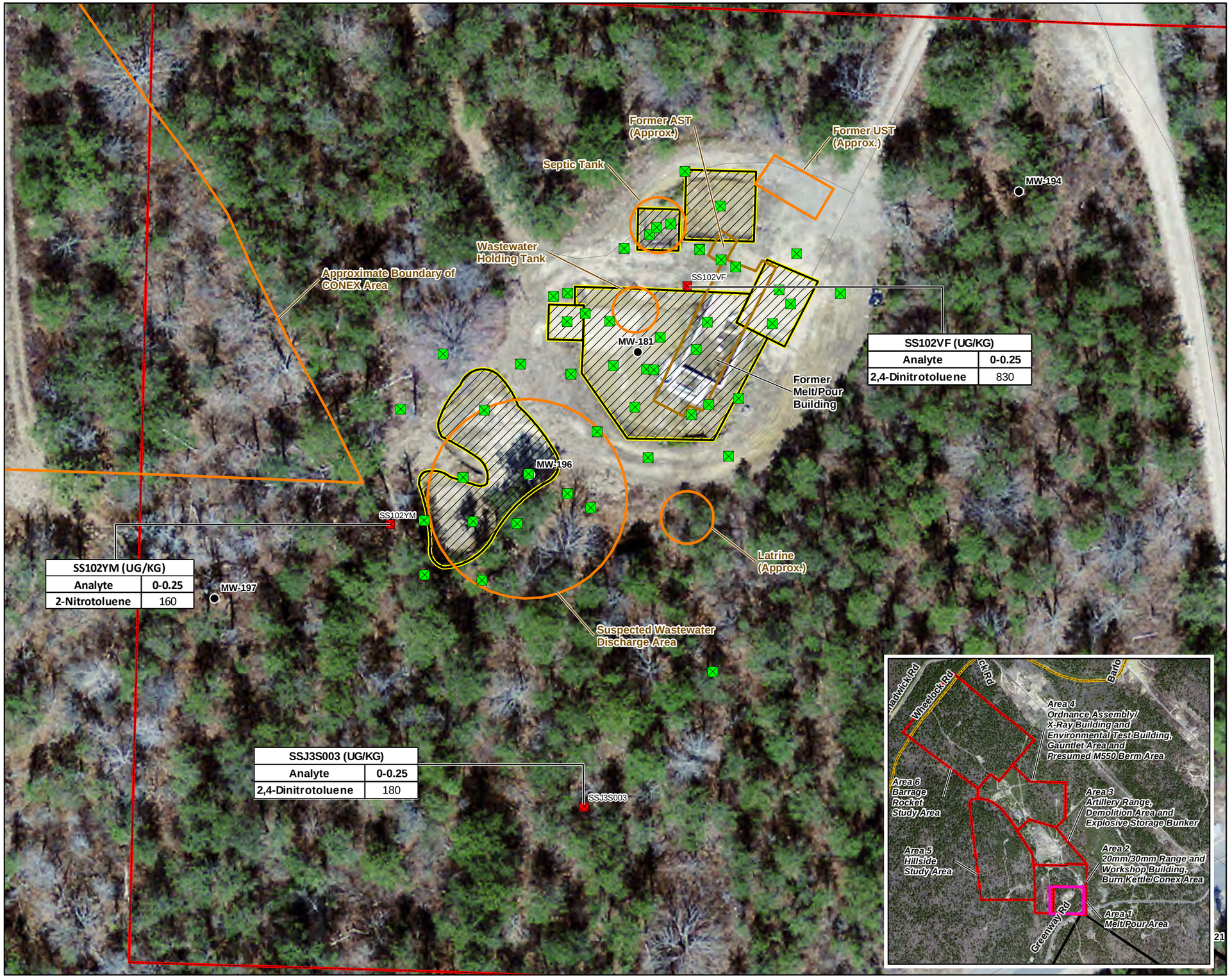
J-3 Range Area 1 Melt/Pour Area Excavated Areas

0 25 50 75 Feet

N

FIGURE
4-3

Document Path: P:\GIS\MMRJ3\GIS\SpatialMXD\20140113_RIFS\Fig4-03_J3Area1MeltPourExcSoil.mxd



Impact Area Groundwater Study Program

LEGEND

Remaining Soil Sample Locations

- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Existing Monitoring Wells
- Areas of Interest
- Former Melt/Pour Building
- J-3 Excavation Boundary
- Geophysical Anomalies Removed Areas
- J-3 Range Area 1 Boundary
- Roads
- JBCC Boundary

NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range Area 1 Melt/Pour Area Existing Conditions Summary

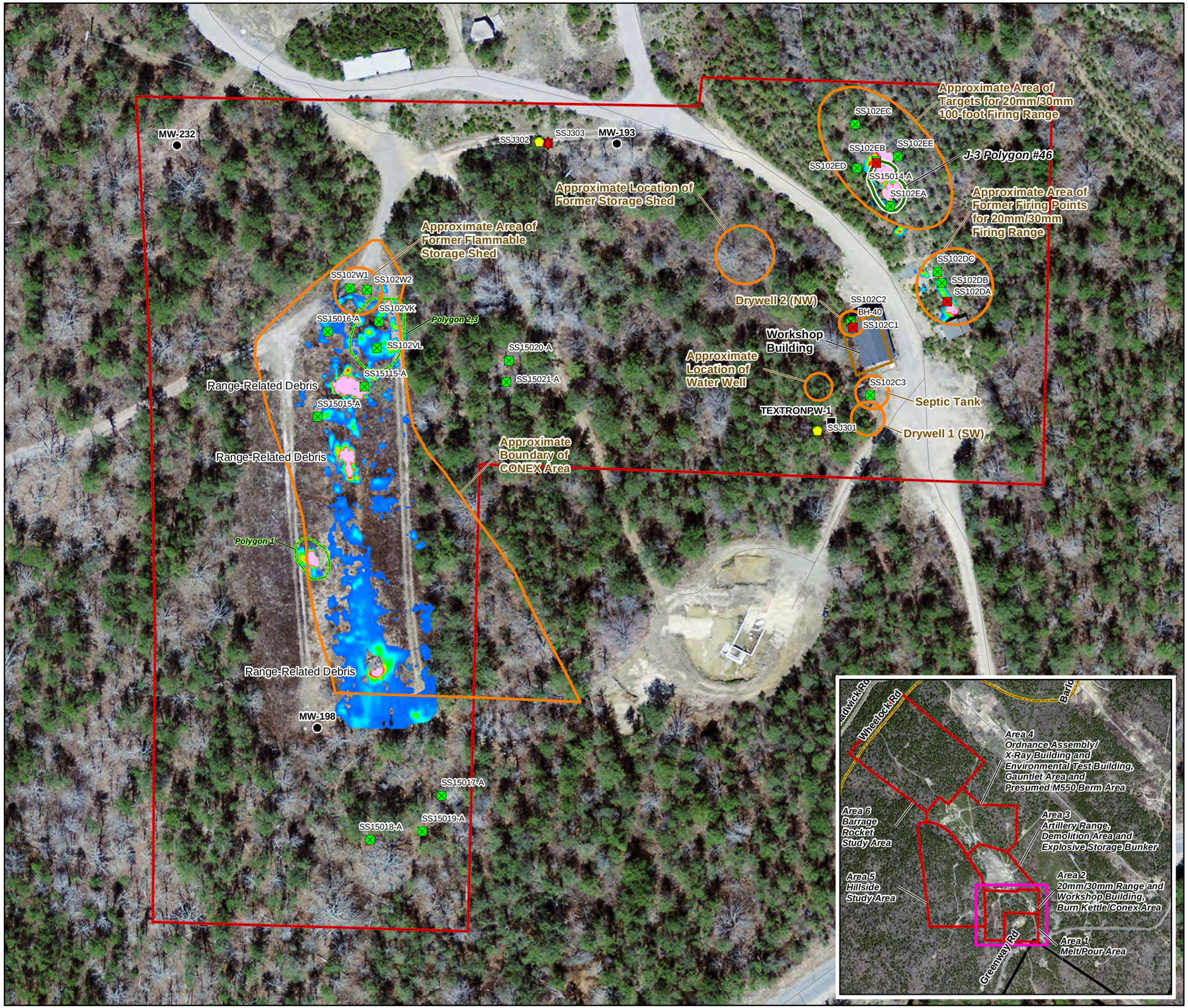
0 25 50 75 Feet

N

FIGURE

4-4

Document Path: P:\GIS\MMRJ3\GIS\Spatial\MXD\20140113_RIFS\Fig4-04_J3Area1MeltPourExstCond.mxd



50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

Response
mV

Impact Area
Groundwater Study Program

LEGEND

Soil Sample Locations
- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate

Munitions in J-3 Range
- HE
- Presumed HE
- Propellant/Energetic
- Small Quantity Energetic
- Inert
- Existing Monitoring Wells
- Existing Water Supply Well
- Areas of Interest
- Buildings
- J-3 Polygon #46
- MSP Phase III Polygons
- Roads
- J-3 Range Area 2 Boundary
- EM-61 Signal Data

NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

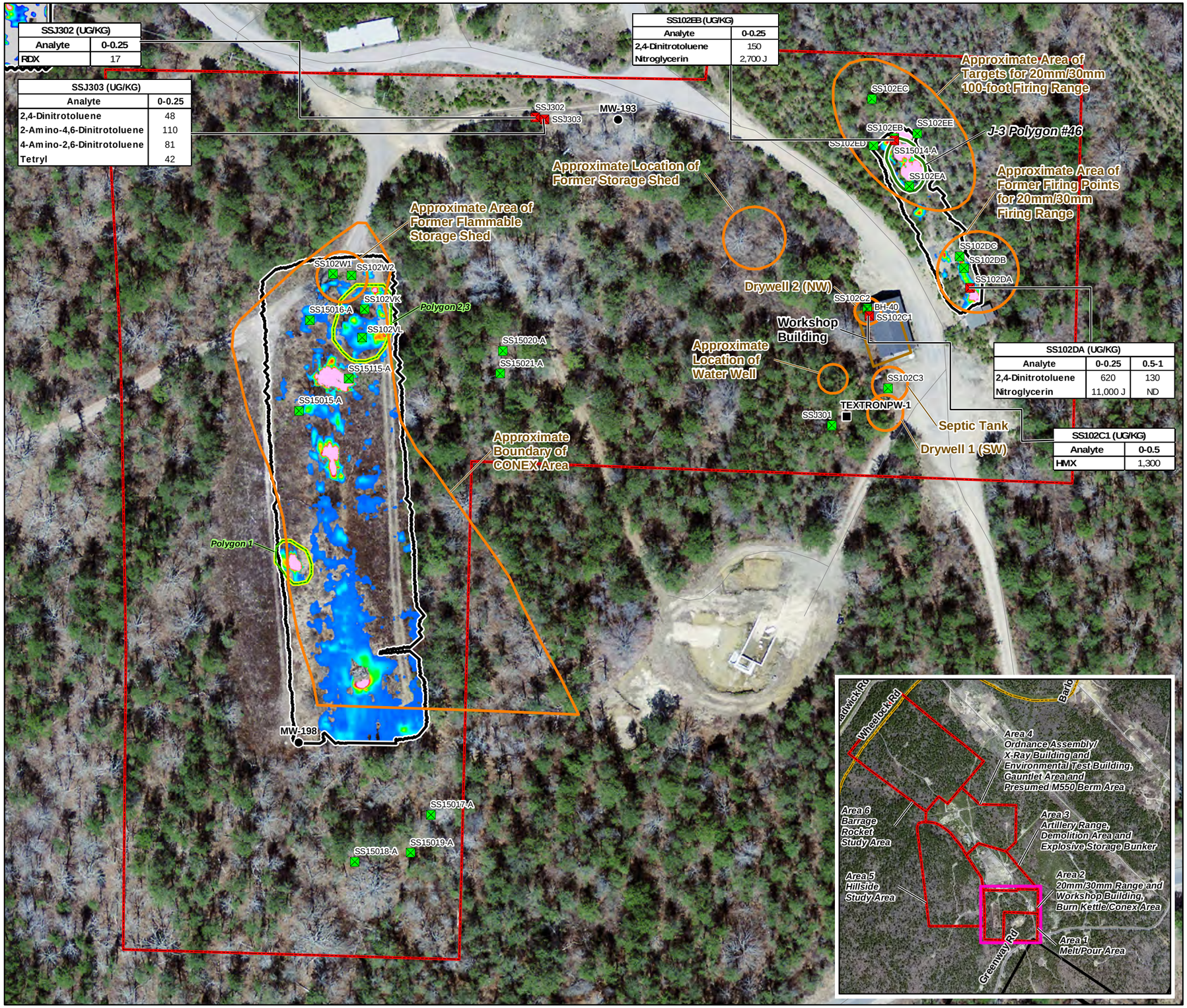
J-3 Range Area 2 20mm/30mm Ranges and Workshop Building, Burn Kettle/Conex Area Characterization Summary

0 25 50 75 100 Feet

N

FIGURE
4-5

Document Path: P:\GIS\MMRJ3\GIS\Spatial\MXD\20140113_RIFS\Fig4-05_J3Area2WorkshopChar.mxd



Impact Area
Groundwater Study Program

LEGEND

Remaining Soil Sample Locations

- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Existing Monitoring Wells
- Existing Water Supply Well
- Areas of Interest
- Buildings
- J-3 Polygon #46
- J-3 Range Area 2 Boundary
- MSP Phase III Polygons
- Geophysically Surveyed Areas
- Geophysical Anomalies Removed Areas
- Roads
- JBCC Boundary
- EM-61 Signal Data

NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range Area 2 20mm/30mm Ranges and Workshop Building, Burn Kettle/Conex Area Existing Conditions Summary

0 25 50 75 100
Feet

FIGURE
4-6

Impact Area Groundwater Study Program

Approximate Location of Minuteman Missile Shroud Test Pad
North of Demolition Area
Ricochet Trough Area
Approximate Location of Giant Patriot Test Area
Approximate Drum Disposal Area and Scrap Metal & Debris
J3-5B, J3-5C
J3-5A
J3-5
Earthen Berm
Former Burn Box
Former M550 Launch House
Former Target Wall 2
Former Target Wall 1
Launch Pad
Approximate Location of Drop Tower
Area of Concrete Firing Point Pads
Burn Pit
Detonation Pit
Gas Gun Area
Instrumentation Trailer
Flightline
CORDIN Camera Facility
Flightline Firing Position
Former X-Ray Building
MW-237
MW-163
MW-132
Polygon 4
A
B
C
D
5
6
7
8

Response mV
50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0



LEGEND

Munitions in J-3 Range
- HE
- Presumed HE
- Propellant/Energetic
- Small Quantity Energetic
- Inert
- Existing Monitoring Wells

Soil Sample Locations
- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Areas of Interest
- J-3 Range Area 3 Boundary
- Buildings
- MSP Phase III Polygons
- Burn Pit
- J-3 Grids
- J-3 Excavation Boundary
- Geophysical Anomalies Removed Areas
- JBCC Boundary
- EM-61 Signal Data

NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

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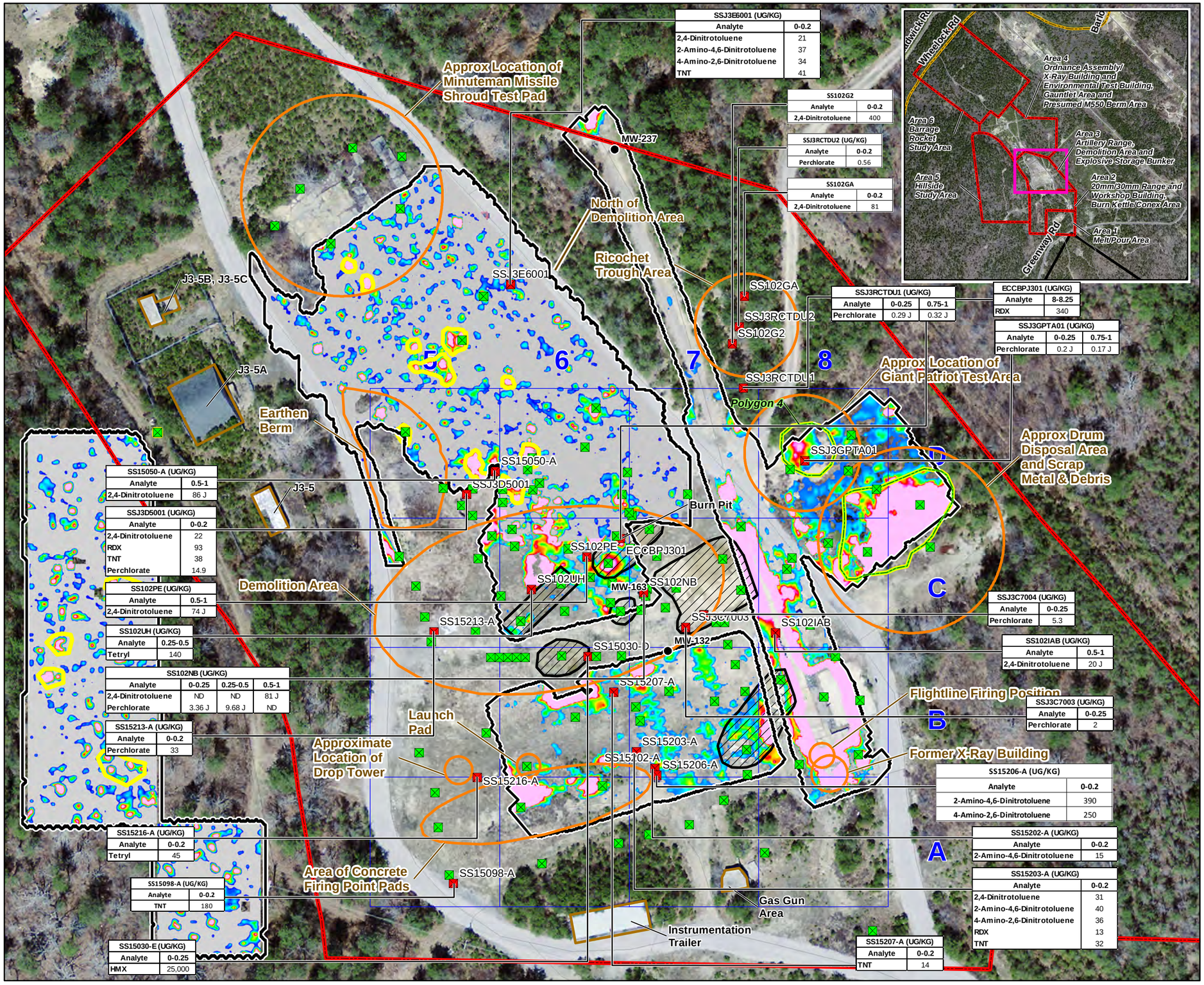
J-3 Range Area 3 Artillery Range, Demolition Area and Explosive Storage Bunker Characterization Summary

0 25 50 75 100 Feet

N

FIGURE 4-7

Document Path: P:\GIS\MMRJ3\GIS\Spatial\MXD\20140113_RIFS\Fig4-07_J3Area3DemolisionChar_C.mxd



Impact Area Groundwater Study Program

LEGEND

Remaining Soil Sample Locations

- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Existing Monitoring Wells
- Areas of Interest
- Buildings
- J-3 Range Area 3 Boundary
- MSP Phase III Polygons
- Geophysically Surveyed Areas
- Geophysical Anomalies Removed Areas
- J-3 Grids
- J-3 Excavation Boundary
- Roads
- EM-61 Signal Data

NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

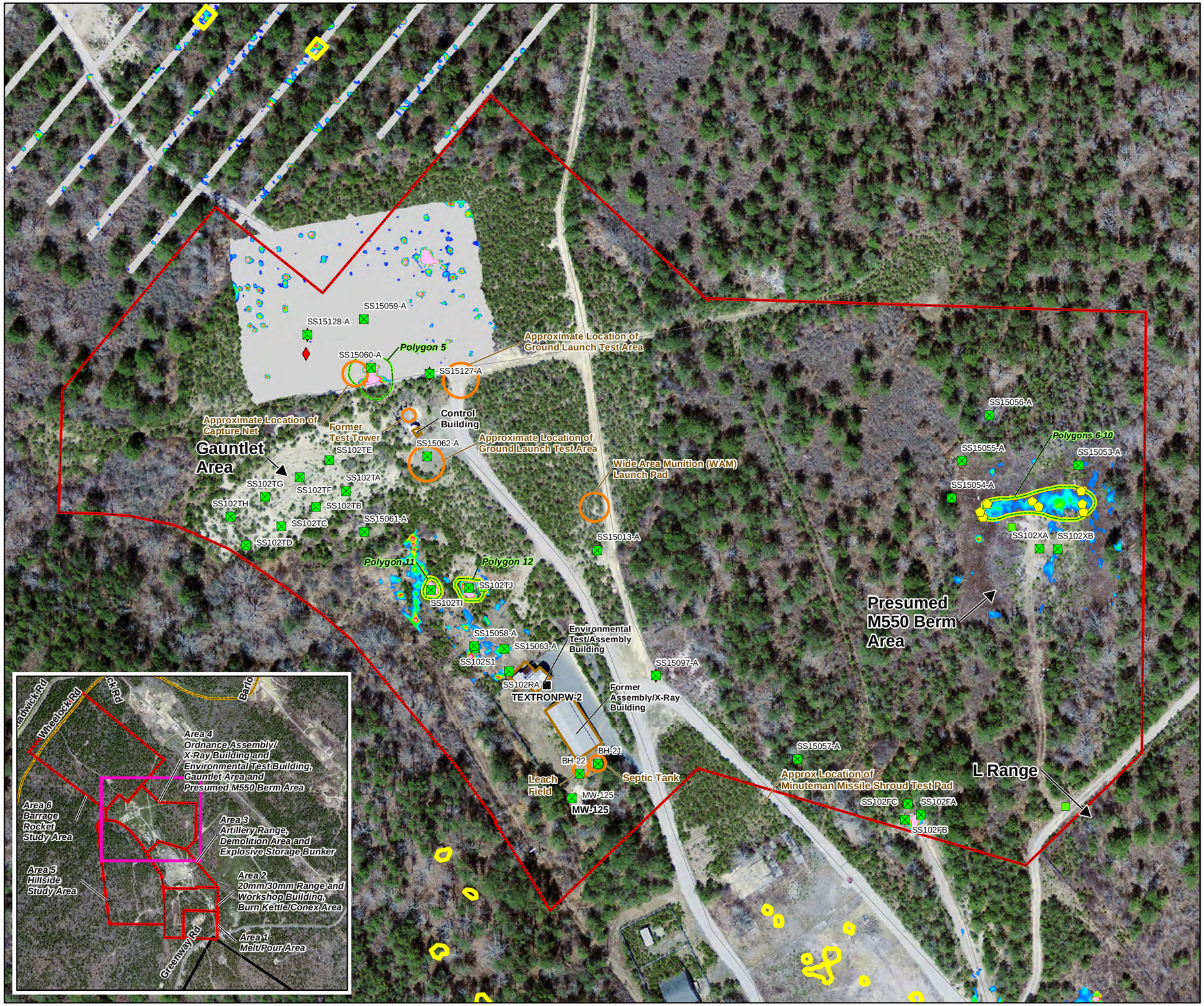
J-3 Range Area 3 Artillery Range, Demolition Area and Explosive Storage Bunker Existing Conditions Summary

0 25 50 75 100 Feet

FIGURE

4-8

Document Path: P:\GIS\MMRJ3\GIS\Spatial\MXD\20140113_RIFS\Fig4-08_J3Area3DemolitionExstCond_C.mxd



Impact Area Groundwater Study Program

LEGEND

Munitions in J-3 Range
- HE
- Presumed HE
- Propellant/Energetic
- Small Quantity Energetic
- Inert

Soil Sample Locations
- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Existing Monitoring Wells
- Existing Water Supply Well
- J-3 Range Area 4 Boundary
- Areas of Interest
- Buildings
- MSP Phase III Polygons
- Geophysical Anomalies Removed Areas
- Roads
- EM-61 Signal Data

NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range Area 4 Ordnance Assembly/ X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area Characterization Summary

0 50 100 150 200 Feet

N

FIGURE

4-9

Document Path: P:\GIS\MMRJ3\GIS\SpatialMXD\20140113_RIFS\Fig4-09_J3Area4GauntletChar.mxd

SS15097-A (UG/KG)	
Analyte	0-0.2
2-Amino-4,6-Dinitrotoluene	16
4-Amino-2,6-Dinitrotoluene	14

Response mV

Impact Area Groundwater Study Program

LEGEND

Remaining Soil Sample Locations
- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Existing Monitoring Wells
- Existing Water Supply Well
- Areas of Interest
- J-3 Range Area 4 Boundary
- Buildings
- MSP Phase III Polygons
- Geophysical Anomalies Removed Areas
- Geophysically Surveyed Areas
- EM-61 Signal Data

NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

TITLE

J-3 Range Area 4 Ordnance Assembly/ X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area Existing Conditions Summary

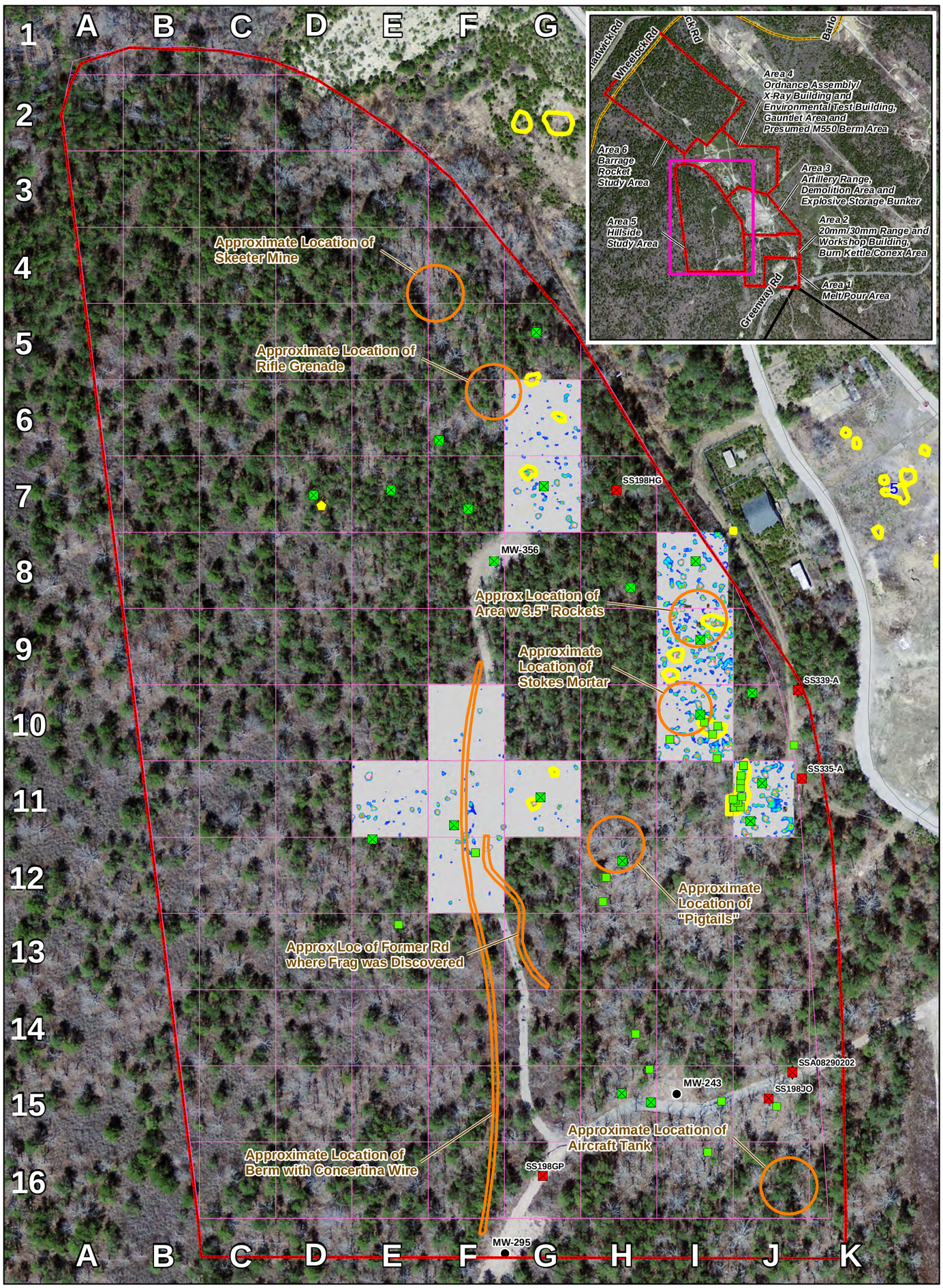
0 50 100 150 200 Feet

N

FIGURE

4-10

Document Path: P:\GIS\MMRJ3\GIS\SpatialMXD\20140113_RIFS\Fig4-10_J3Area4GauntletExstCond.mxd



LEGEND

Munitions in J-3 Range
- HE
- Small Quantity Energetic
- Inert

Soil Sample Locations
- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Geophysical Anomalies Removed Areas
- J-3 Range Area 5 Boundary
- Existing Monitoring Wells
- Areas of Interest
- J-3 Hillside Grid
- Roads
- EM-61 Signal Data

0 100 200 300 400 Feet

N

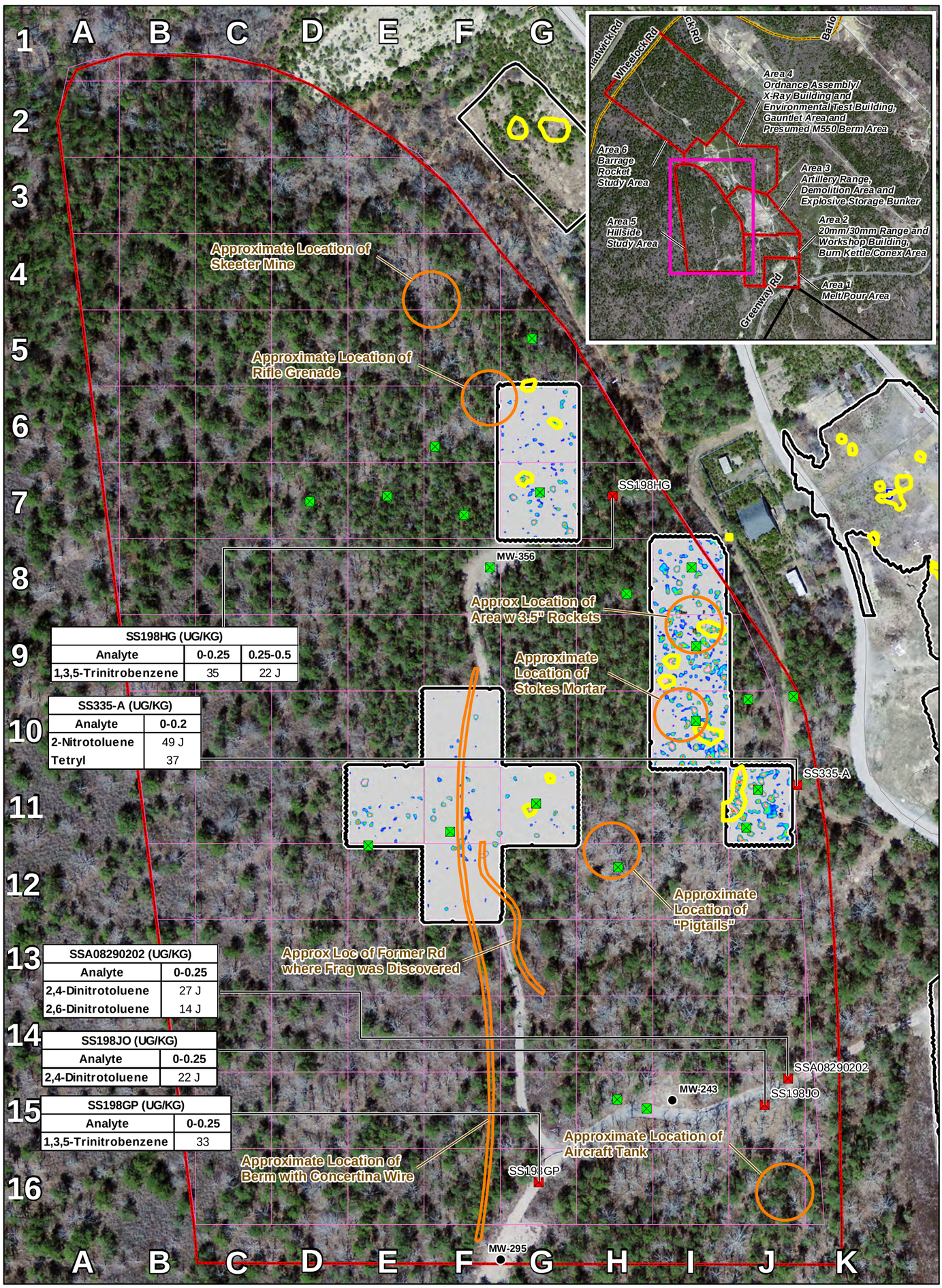
NOTES & SOURCES
Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

J-3 Range Area 5 Hillside Study Area Characterization Summary

FIGURE
4-11

Document Path: P:\GIS\MMRJ3\GIS\Spatial\MXD\20140113_RIFS\Fig4-11_J3Area5HillsideChar.mxd

Impact Area Groundwater Study Program



SS198HG (UG/KG)		
Analyte	0-0.25	0.25-0.5
1,3,5-Trinitrobenzene	35	22 J

SS335-A (UG/KG)	
Analyte	0-0.2
2-Nitrotoluene	49 J
Tetryl	37

SSA08290202 (UG/KG)	
Analyte	0-0.25
2,4-Dinitrotoluene	27 J
2,6-Dinitrotoluene	14 J

SS198JO (UG/KG)	
Analyte	0-0.25
2,4-Dinitrotoluene	22 J

SS198GP (UG/KG)	
Analyte	0-0.25
1,3,5-Trinitrobenzene	33

LEGEND

Remaining Soil Sample Locations
- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Existing Monitoring Wells
- J-3 Range Area 5 Boundary
- Areas of Interest
- Geophysical Anomalies Removed Areas
- Geophysically Surveyed Areas
- J-3 Hillside Grid
- Roads
- EM-61 Signal Data

0 100 200 300 400 Feet

N

NOTES & SOURCES
Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

J-3 Range Area 5 Hillside Study Area
Existing Conditions Summary

FIGURE
4-12

Document Path: P:\GIS\MMRJ3\GIS\Spatial\MXD\20140113_RIFS\Fig4-12_J3Area5HillsideExistCond.mxd

Impact Area Groundwater Study Program

Central Impact Area

Wheelock Rd

Chadwick Rd

Greenway Rd

MW-364

MW-347

MW-383

MW-13

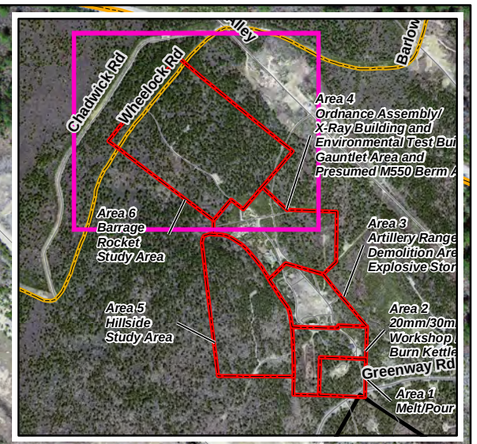
MW-190

SMR-4

Approximate Location of Range Post

MSP EM-61 Survey Grid

Approximate Location of Possible Former Target



Response mV

Impact Area Groundwater Study Program

LEGEND

Munitions in J-3 Range
- HE
- Presumed HE
- Propellant/Energetic
- Small Quantity Energetic
- Inert

Soil Sample Locations
- Detections of Explosives and/or Perchlorate
- Nondetections of Explosives and Perchlorate
- Existing Monitoring Wells
- Intrusive Investigation Area
- J-3 Range Area 6 Boundary
- Firebreak for Detailed Reconnaissance
- Transect for Detailed Reconnaissance
- J-3 Barrage Northern Transect
- Transect Extension Boundaries
- Areas of Interest
- Geophysical Anomalies Removed Areas
- J-3 Barrage Rocket Transects
- Impact Area Boundary
- Roads
- EM-61 Signal Data

NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS

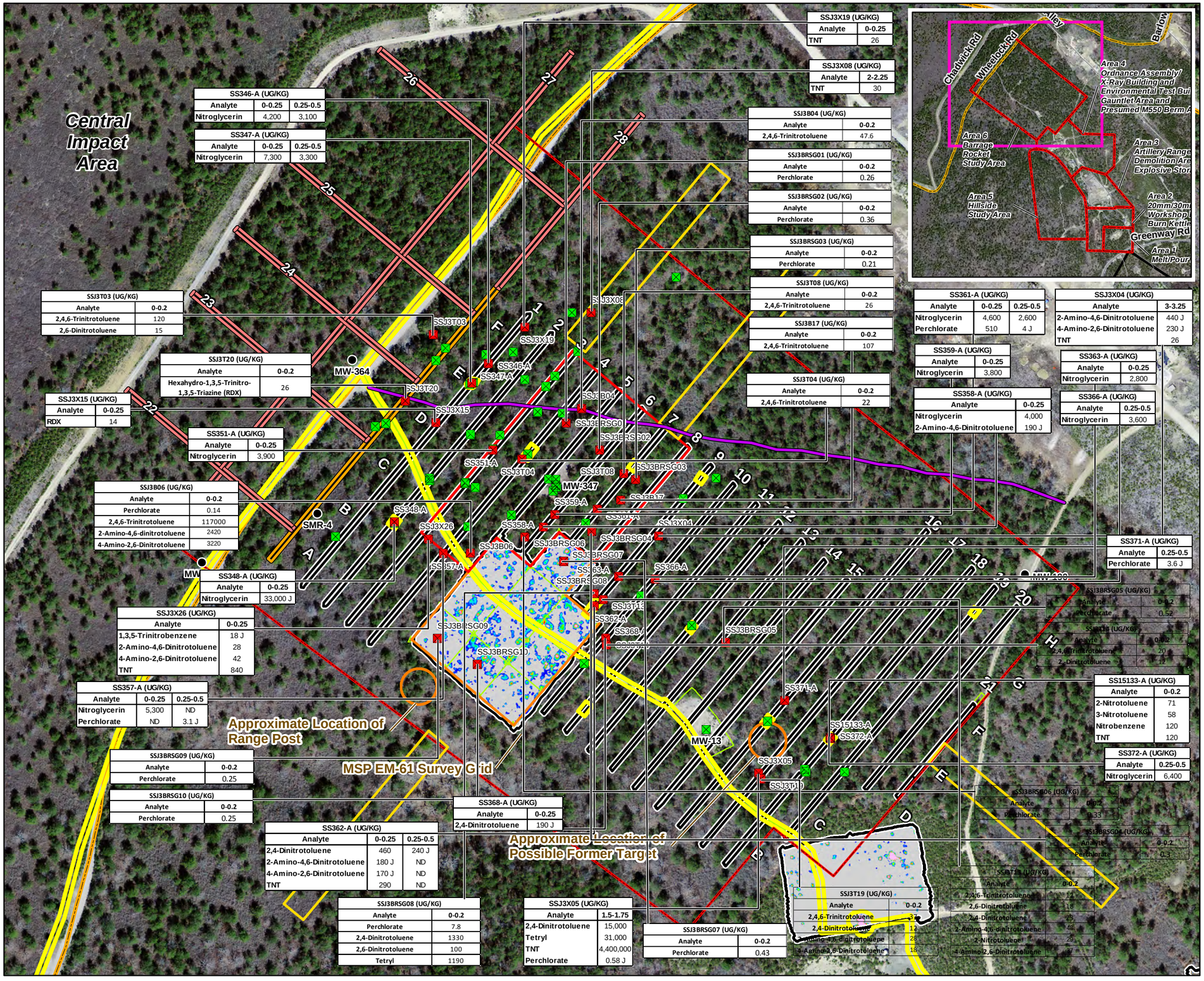
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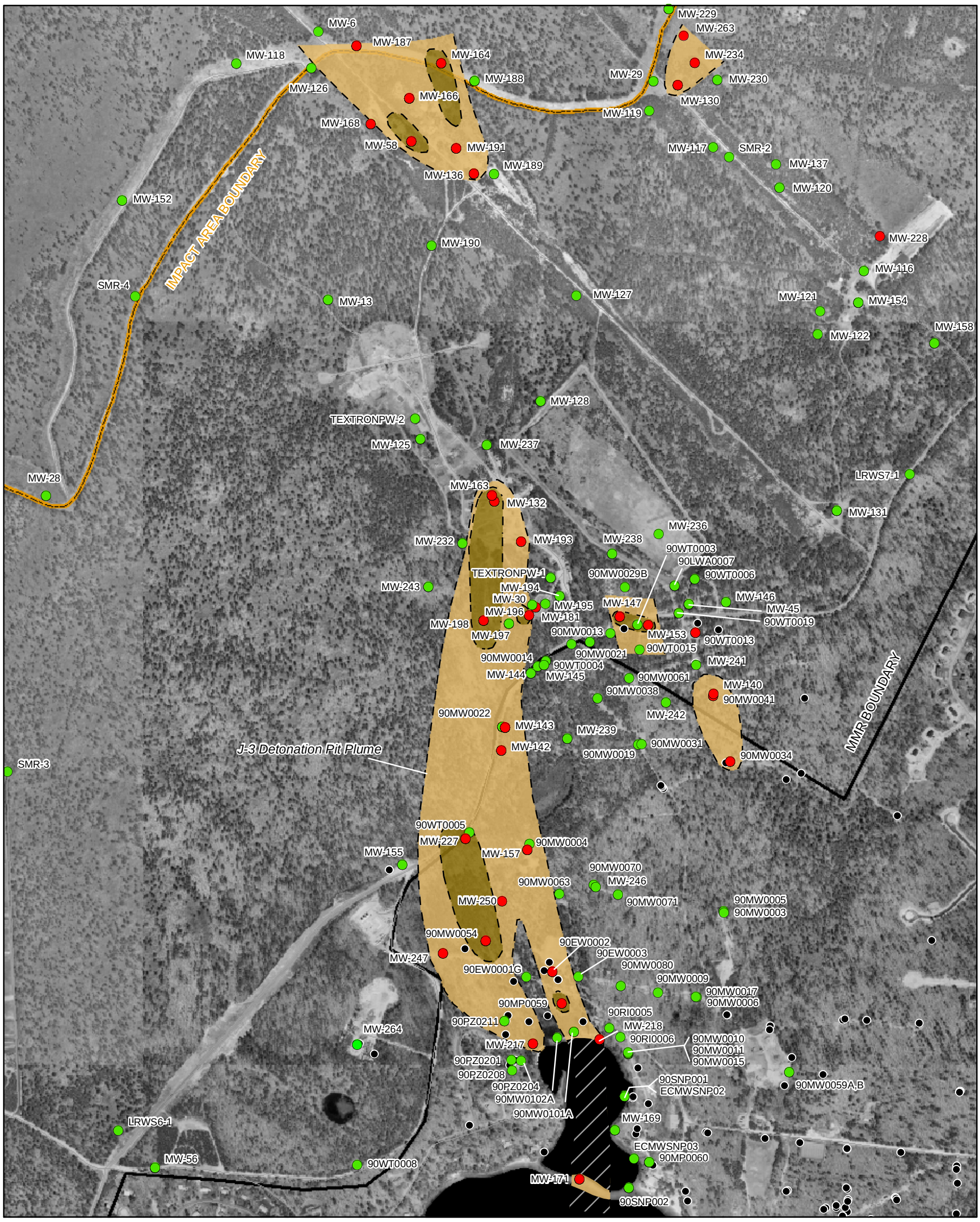
J-3 Range Area 6 Barrage Rocket Study Area Characterization Summary

0 75 150 225 300 Feet

FIGURE

4-13


Central Impact Area
SSJ3X19 (UG/KG)
Analyte 0-0.25
TNT 26
SSJ3X08 (UG/KG)
Analyte 2-2.25
TNT 30
SS346-A (UG/KG)
Analyte 0-0.25 0.25-0.5
Nitroglycerin 4,200 3,100
SS347-A (UG/KG)
Analyte 0-0.25 0.25-0.5
Nitroglycerin 7,300 3,300
SSJ3B04 (UG/KG)
Analyte 0-0.2
2,4,6-Trinitrotoluene 47.6
SSJ3BRSG01 (UG/KG)
Analyte 0-0.2
Perchlorate 0.26
SSJ3BRSG02 (UG/KG)
Analyte 0-0.2
Perchlorate 0.36
SSJ3BRSG03 (UG/KG)
Analyte 0-0.2
Perchlorate 0.21
SSJ3T08 (UG/KG)
Analyte 0-0.2
2,4,6-Trinitrotoluene 26
SSJ3B17 (UG/KG)
Analyte 0-0.2
2,4,6-Trinitrotoluene 107
SSJ3T04 (UG/KG)
Analyte 0-0.2
2,4,6-Trinitrotoluene 22
SSJ3T03 (UG/KG)
Analyte 0-0.2
2,4,6-Trinitrotoluene 120
2,6-Dinitrotoluene 15
SSJ3T20 (UG/KG)
Analyte 0-0.2
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX) 26
SSJ3X15 (UG/KG)
Analyte 0-0.25
RDX 14
SS351-A (UG/KG)
Analyte 0-0.25
Nitroglycerin 3,900
SSJ3B06 (UG/KG)
Analyte 0-0.2
Perchlorate 0.14
2,4,6-Trinitrotoluene 117000
2-Amino-4,6-dinitrotoluene 2420
4-Amino-2,6-Dinitrotoluene 3220
SS348-A (UG/KG)
Analyte 0-0.25
Nitroglycerin 33,000 J
SSJ3X26 (UG/KG)
Analyte 0-0.25
1,3,5-Trinitrobenzene 18 J
2-Amino-4,6-Dinitrotoluene 28
4-Amino-2,6-Dinitrotoluene 42
TNT 840
SS357-A (UG/KG)
Analyte 0-0.25 0.25-0.5
Nitroglycerin 5,300 ND
Perchlorate ND 3.1 J
SSJ3BRSG09 (UG/KG)
Analyte 0-0.2
Perchlorate 0.25
SSJ3BRSG10 (UG/KG)
Analyte 0-0.2
Perchlorate 0.25
SS362-A (UG/KG)
Analyte 0-0.25 0.25-0.5
2,4-Dinitrotoluene 460 240 J
2-Amino-4,6-Dinitrotoluene 180 J ND
4-Amino-2,6-Dinitrotoluene 170 J ND
TNT 290 ND
SS368-A (UG/KG)
Analyte 0-0.25
2,4-Dinitrotoluene 190 J
SSJ3BRSG08 (UG/KG)
Analyte 0-0.2
Perchlorate 7.8
2,4-Dinitrotoluene 1330
2,6-Dinitrotoluene 100
Tetryl 1190
SSJ3X05 (UG/KG)
Analyte 1.5-1.75
2,4-Dinitrotoluene 15,000
Tetryl 31,000
TNT 4,400,000
Perchlorate 0.58 J
SSJ3BRSG07 (UG/KG)
Analyte 0-0.2
Perchlorate 0.43
SS361-A (UG/KG)
Analyte 0-0.25 0.25-0.5
Nitroglycerin 4,600 2,600
Perchlorate 510 4 J
SS359-A (UG/KG)
Analyte 0-0.25
Nitroglycerin 3,800
SS358-A (UG/KG)
Analyte 0-0.25
Nitroglycerin 4,000
2-Amino-4,6-Dinitrotoluene 190 J
SSJ3X04 (UG/KG)
Analyte 3-3.25
2-Amino-4,6-Dinitrotoluene 440 J
4-Amino-2,6-Dinitrotoluene 230 J
TNT 26
SS363-A (UG/KG)
Analyte 0-0.25
Nitroglycerin 2,800
SS366-A (UG/KG)
Analyte 0.25-0.5
Nitroglycerin 3,600
SS371-A (UG/KG)
Analyte 0.25-0.5
Perchlorate 3.6 J
SSJ3BRSG05 (UG/KG)
Analyte 0-0.2
Perchlorate 0.52
SS15133-A (UG/KG)
Analyte 0-0.2
2-Nitrotoluene 71
3-Nitrotoluene 58
Nitrobenzene 120
TNT 120
SS372-A (UG/KG)
Analyte 0-0.25
Nitroglycerin 6,400
SSJ3BRSG06 (UG/KG)
Analyte 0-0.2
Perchlorate 0.33
SSJ3BRSG04 (UG/KG)
Analyte 0-0.2
Perchlorate 0.3
SSJ3T13 (UG/KG)
Analyte 0-0.2
2,4,6-Trinitrotoluene 11
2,6-Dinitrotoluene 18
2,4-Dinitrotoluene 29
2-Amino-4,6-dinitrotoluene 48
2-Nitrotoluene 29
4-Amino-2,6-Dinitrotoluene 47
SSJ3T19 (UG/KG)
Analyte 0-0.2
2,4,6-Trinitrotoluene 37
2,4-Dinitrotoluene 12
2-Amino-4,6-dinitrotoluene 28
4-Amino-2,6-Dinitrotoluene 18
SS15133-A
SS372-A
SS371-A
MW-364
MW-347
MW-13
SMR-4
SSJ3T03
SSJ3X19
SS346-A
SS347-A
SSJ3T20
SSJ3X15
SSJ3B04
SSJ3BRSG01
SSJ3BRSG02
SS351-A
SSJ3T04
SSJ3T08
SSJ3BRSG03
SS359-A
SSJ3B17
SS348-A
SSJ3X26
SS358-A
SSJ3B06
SSJ3BRSG06
SSJ3BRSG04
SSJ3BRSG07
SS357-A
SS363-A
SS366-A
SSJ3BRSG08
SSJ3T13
SS362-A
SS368-A
SSJ3BRSG09
SSJ3BRSG10
SSJ3BRSG05
SSJ3X04
SSJ3X05
Approximate Location of Range Post
MSP EM-61 Survey Grid
Approximate Location of Possible Former Target
Area 4 Ordnance Assembly/ X-Ray Building and Environmental Test Bui
Gauntlet Area and Presumed M550 Berm A
Area 6 Barrage Rocket Study Area
Area 3 Artillery Range Demolition Are
Explosive Stor
Area 5 Hillside Study Area
Area 2 20mm/30m Workshop Burn Kettle
Area 1 Melt/Pour
Greenway Rd
Chadwick Rd
Wheelock Rd
Barlow
Response mV
Impact Area Groundwater Study Program
LEGEND
Remaining Soil Sample Locations
Detections of Explosives and/or Perchlorate
Nondetections of Explosives and Perchlorate
Existing Monitoring Wells
Firebreak for Detailed Reconnaissance
Transect for Detailed Reconnaissance
J-3 Barrage Northern Transect
Transect Extension Boundaries
Intrusive Investigation Area
J-3 Range Area 6 Boundary
Areas of Interest
Geophysical Anomalies Removed Areas
Geophysically Surveyed Areas
J-3 Barrage Rocket Transects
Impact Area Boundary
Roads
EM-61 Signal Data
NOTES & SOURCES
Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG and MassGIS
TITLE
J-3 Range Area 6 Barrage Rocket Study Area Existing Conditions Summary
0 75 150 225 300
Feet
N
FIGURE
4-14



LEGEND

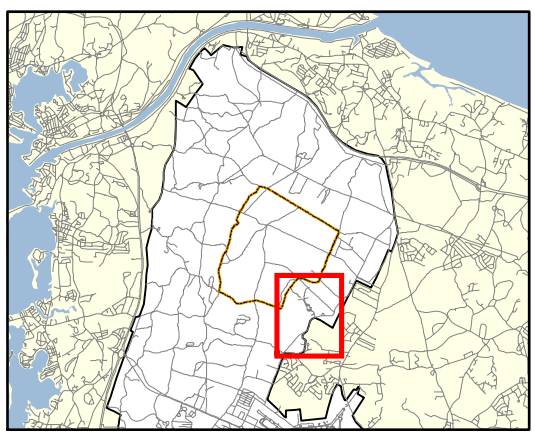
- RDX Groundwater Detect
- RDX Groundwater Non-Detect
- Existing Monitoring Wells
- Impact Area Boundary
- MMR Boundary

RDX in Groundwater *

- Greater than 2 ppb
- Greater than Non-Detect to 2 ppb
- Greater than Non-Detect to 2 ppb (Groundwater Below Pond Bottom)

*Notes: Contour Lines Dashed Where Inferred

LOCATION MAP



0 700 Feet

SOURCES
Base Data from US Geological Survey 7 1/2 minute Topgraphic Maps. Source: MassGIS
Aerial Photos 1:5000 black and white digital orthophotos Resolution: 1 meter. Date Flown: 1997. Source: MassGIS

N

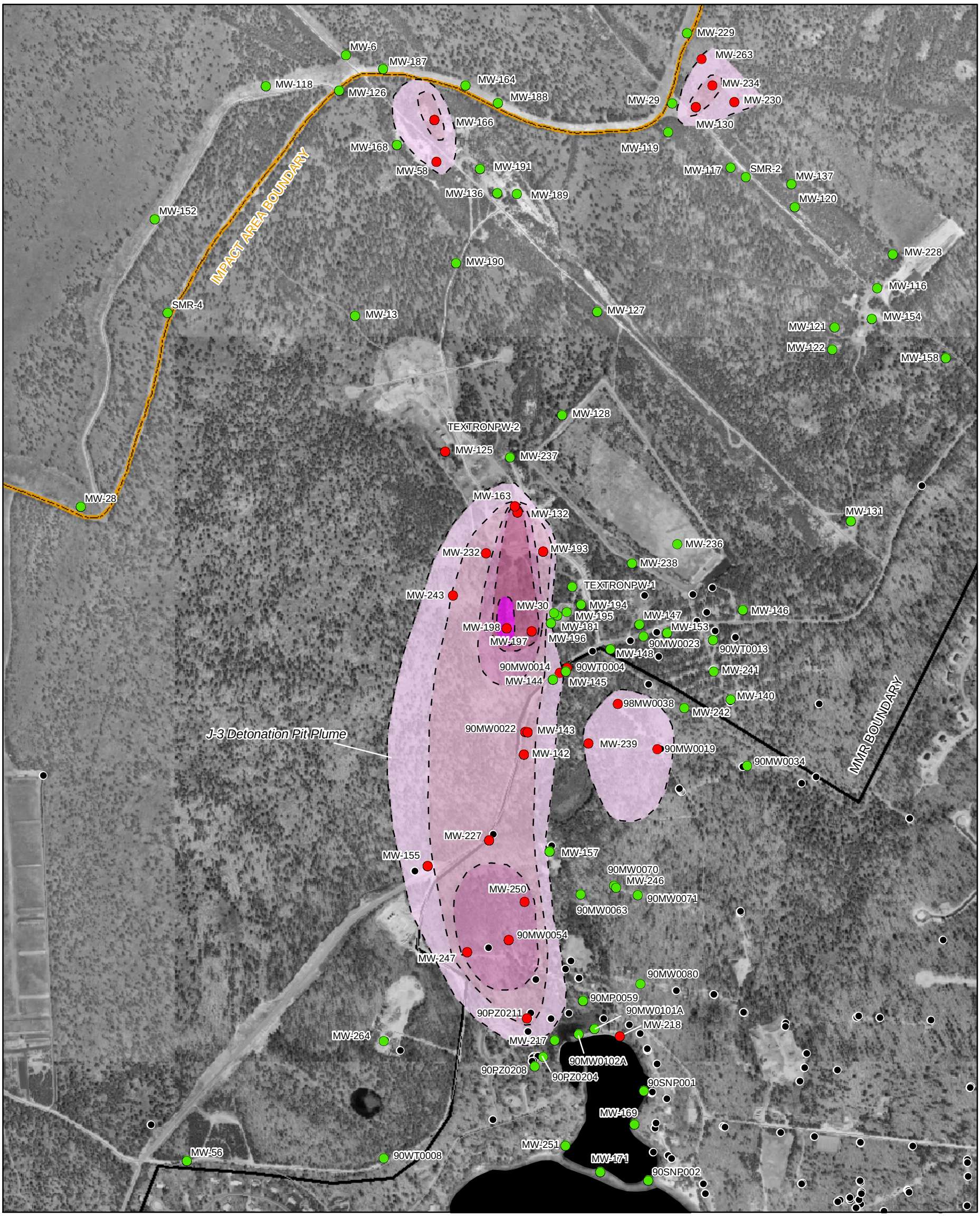
Southeast Range Area RDX
Data as of 2/14/03
(with exceptions)

FIGURE 5-1

AMEC Earth & Environmental, Inc.
Westford, Massachusetts
978-692-9090

J:/MMR/ReportFigs/7776/7776_Fig1-2a.pdf
G:/MMR_COE/Work/7776/7776_Fig1-2a.mxd
August 12, 2003 JEP PRC EMG KEA

Impact Area Groundwater Study Program



LEGEND

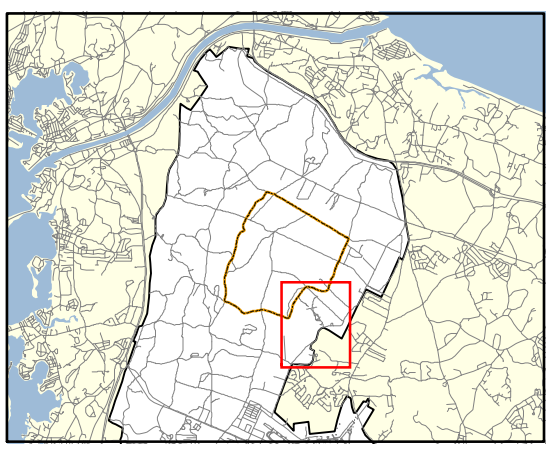
- Perchlorate GW Detect
- Perchlorate GW Non-Detect
- Existing Monitoring Wells
- Impact Area Boundary
- MMR Boundary

Perchlorate in Groundwater *

- Greater than Non-Detect to 1 ppb
- 1 to 4 ppb
- 4 to 18 ppb
- 18 to 100 ppb
- Greater than 100 ppb

*Notes: Contour Lines Dashed Where Inferred

LOCATION MAP



0 700 Feet

SOURCES
Base Data from US Geological Survey 7 1/2 minute Topgraphic Maps. Source: MassGIS
Aerial Photos 1:5000 black and white digital orthophotos
Resolution: 1 meter. Date Flown: 1997. Source: MassGIS

N

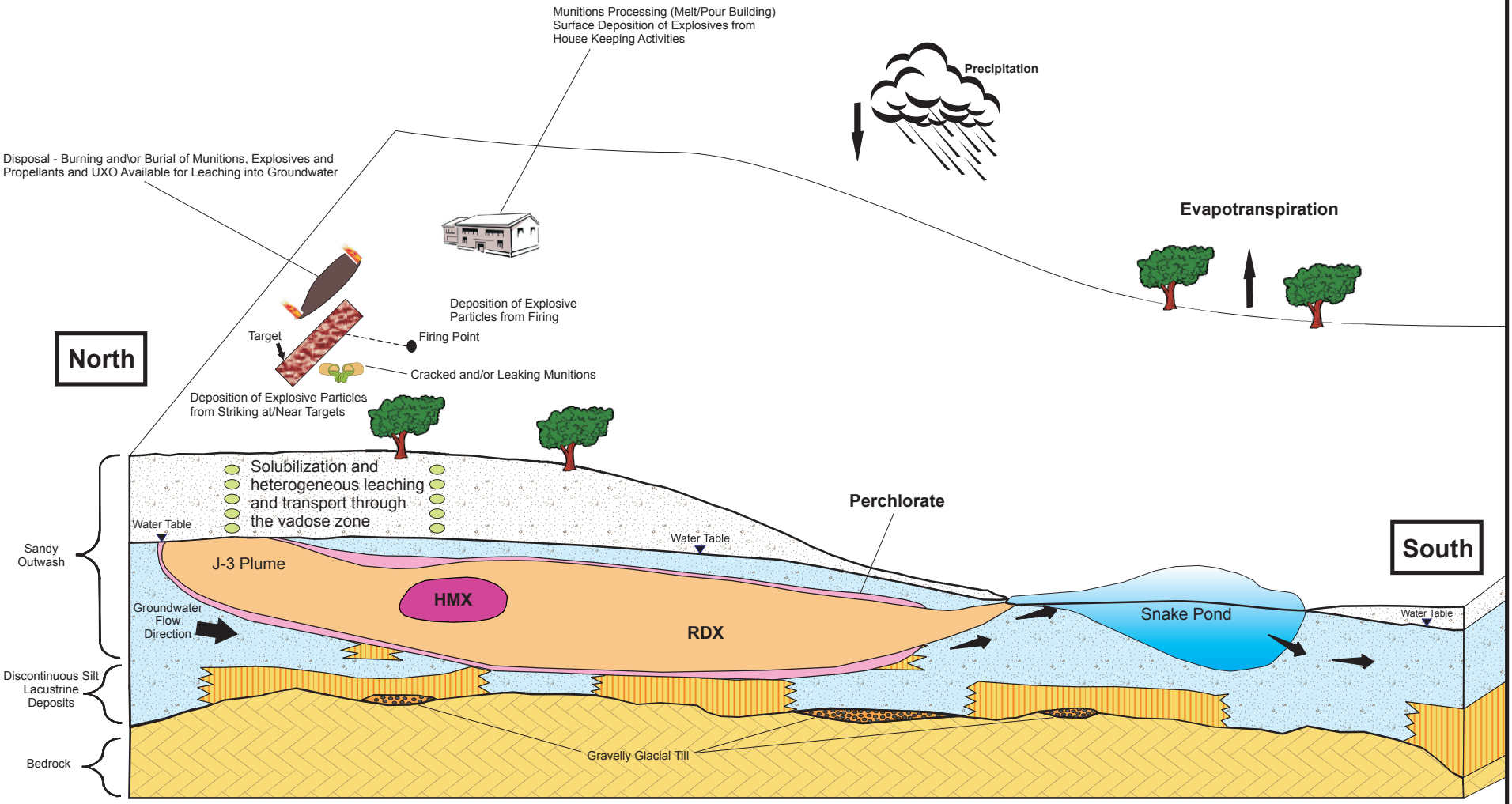
Southeast Range Area Perchlorate Database Close 2/14/2003 (with exceptions)

FIGURE 5-2

AMEC Earth & Environmental, Inc.
Westford, Massachusetts
978-692-9090

J:/MMR/ReportFigs/7776/7776_Fig1-2b.pdf
G:/MMR_COE/work/7776/7776_Fig1-2b.mxd
August 12, 2003 ALS KEA EMG JEP

Impact Area Groundwater Study Program



Note: Model is not to scale, vertical dimension is exaggerated.

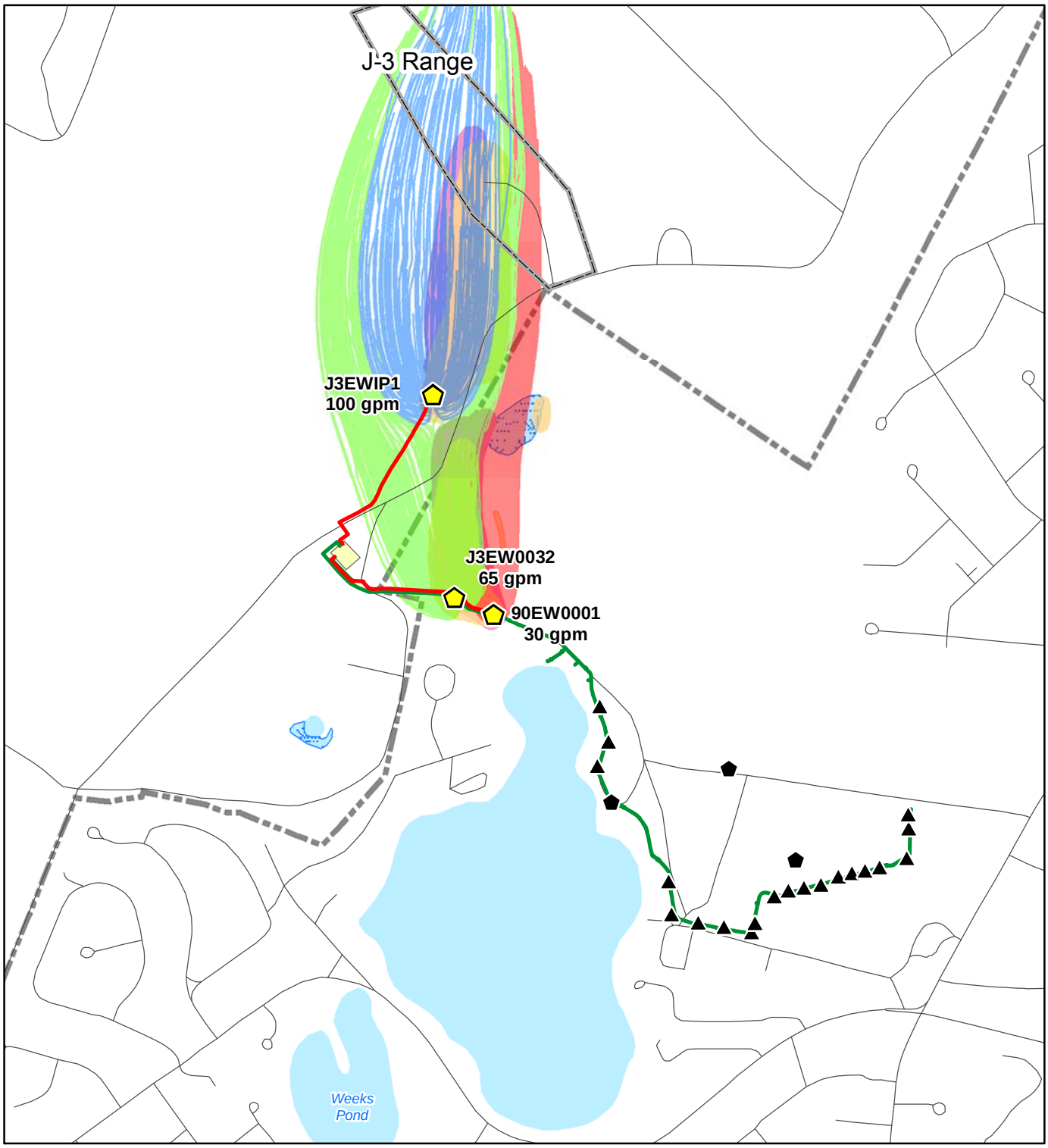
Impact Area Groundwater Study Program

J-3 Range Groundwater Conceptual Model

JBCC

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Figure 6-1

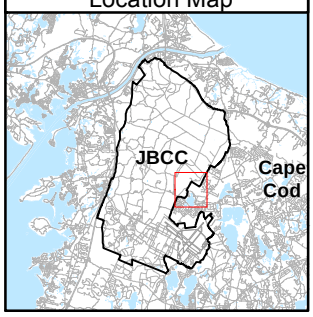


Legend

- J-3 Extraction Well
  Current Extraction Rate
- FS-12 Extraction Well (operational)
- Reinjection Well (operational)
- Influent Piping
- Effluent Piping
- J3EWIP1 Capture Zone
- J3EW0032 Capture Zone
- 90EW0001 Capture Zone
- Perchlorate > 2 µg/L
- RDX > 0.6 µg/L
- Treatment System
- J-3 Range Boundary
- JBCC Boundary

Plume: January 2014

Location Map



N

0 1,000 Feet

TITLE

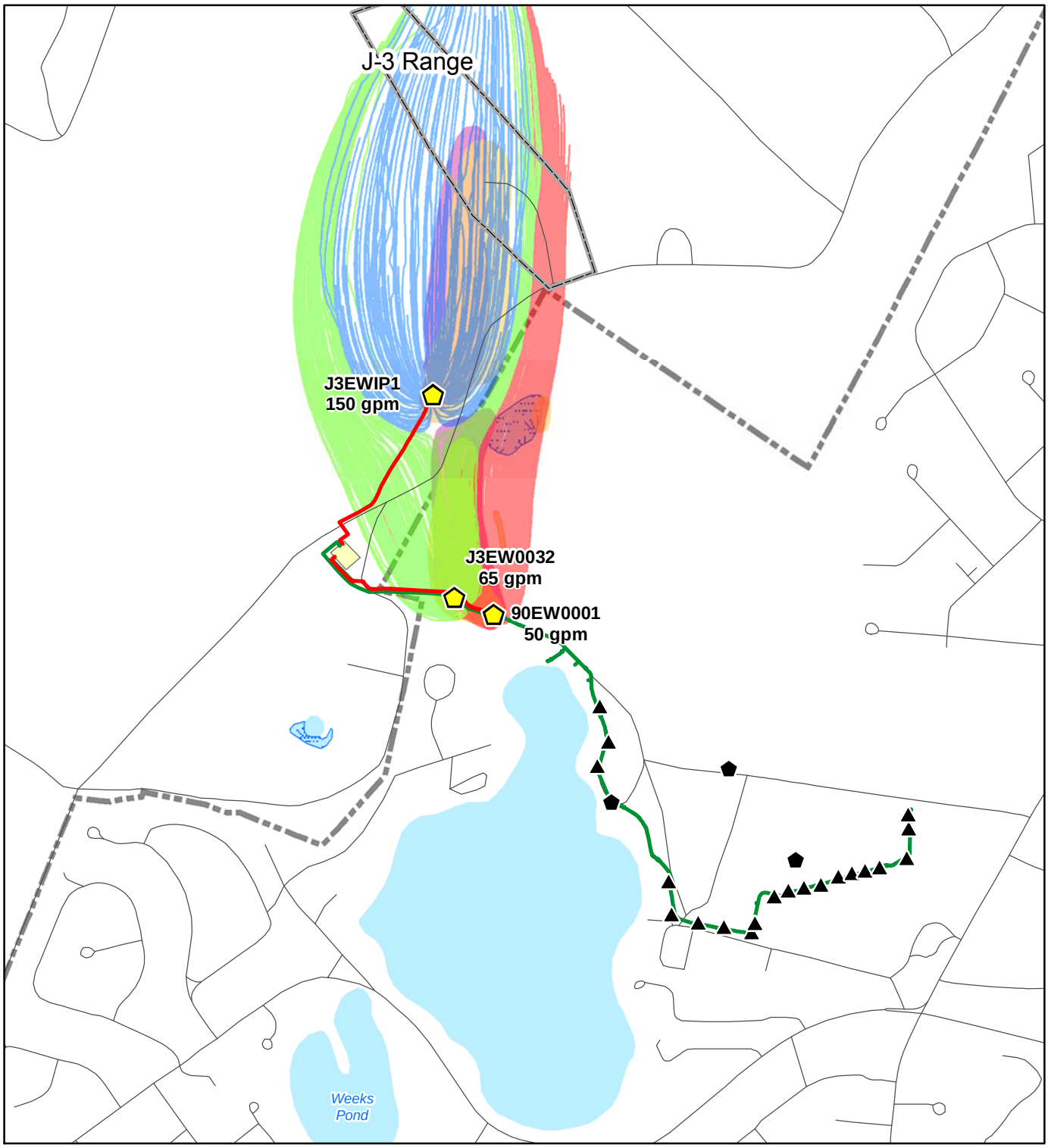
Alternative 3
Groundwater Extraction Scenario

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE 10-1

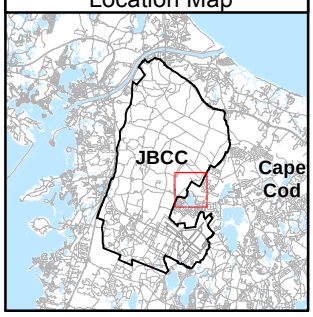
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August 27, 2014 DWN: MTW CHKD: KJH



Legend

- J-3 Extraction Well Optimized Extraction Rate
- FS-12 Extraction Well (operational)
- Reinjection Well (operational)
- Influent Piping
- Effluent Piping
- J3EWIP1 Capture Zone
- J3EW0032 Capture Zone
- 90EW0001 Capture Zone
- Perchlorate > 2 µg/L
- RDX > 0.6 µg/L
- Treatment System
- J-3 Range Boundary
- JBCC Boundary
- Plume: January 2014

Location Map



N

0 1,000 Feet

TITLE

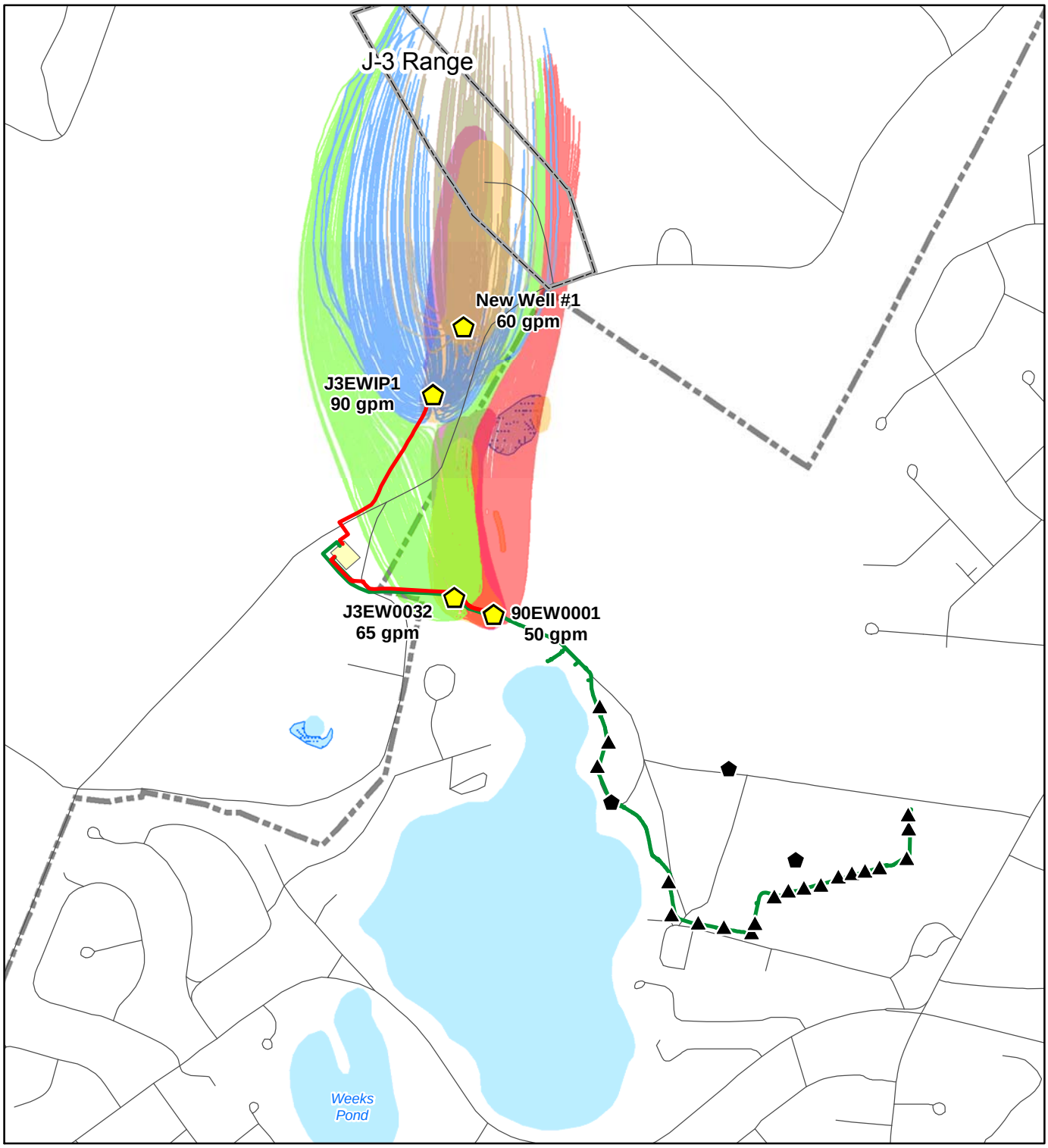
Alternative 4
Groundwater Extraction Scenario

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE 10-2

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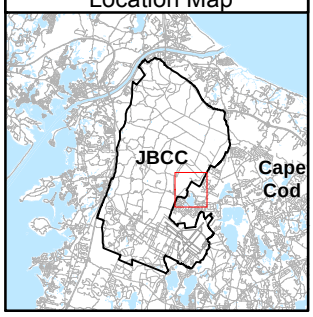


Plume: January 2014

Legend

- J-3 Extraction Well Optimized Extraction Rate
- FS-12 Extraction Well (operational)
- Reinjection Well (operational)
- Influent Piping
- Effluent Piping
- J3EWIP1 Capture Zone
- J3EW0032 Capture Zone
- 90EW0001 Capture Zone
- Perchlorate > 2 µg/L
- RDX > 0.6 µg/L
- Treatment System
- J-3 Range Boundary
- JBCC Boundary
- New Well #1 Capture Zone

Location Map



N

0 1,000 Feet

TITLE

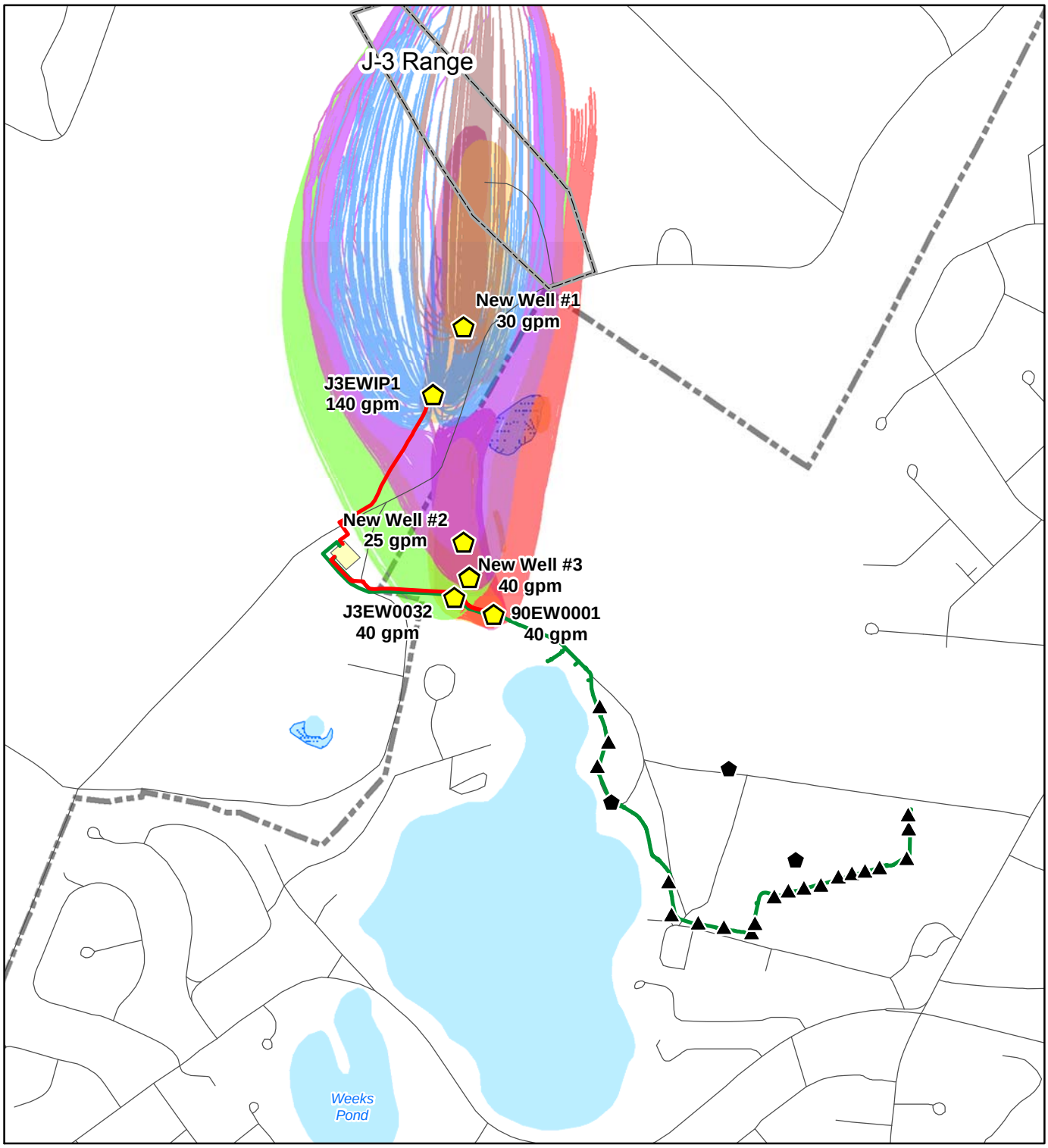
Alternative 4a
Groundwater Extraction Scenario

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE 10-3

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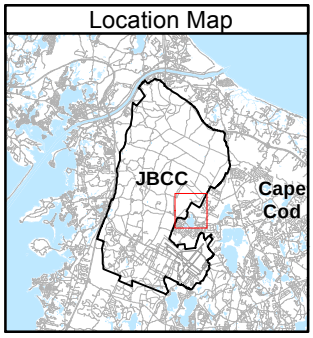


Plume: January 2014

Legend

- J-3 Extraction Well
  10 Year Extraction Rate
- FS-12 Extraction Well (operational)
- Reinjection Well (operational)
- Influent Piping
- Effluent Piping
- J3EWIP1 Capture Zone
- J3EW0032 Capture Zone
- 90EW0001 Capture Zone
- Perchlorate > 2 µg/L
- RDX > 0.6 µg/L
- Treatment System
- J-3 Range Boundary
- JBCC Boundary
- New Well #1 Capture Zone
- New Well #2 Capture Zone
- New Well #3 Capture Zone

Location Map



N

0 1,000 Feet

TITLE

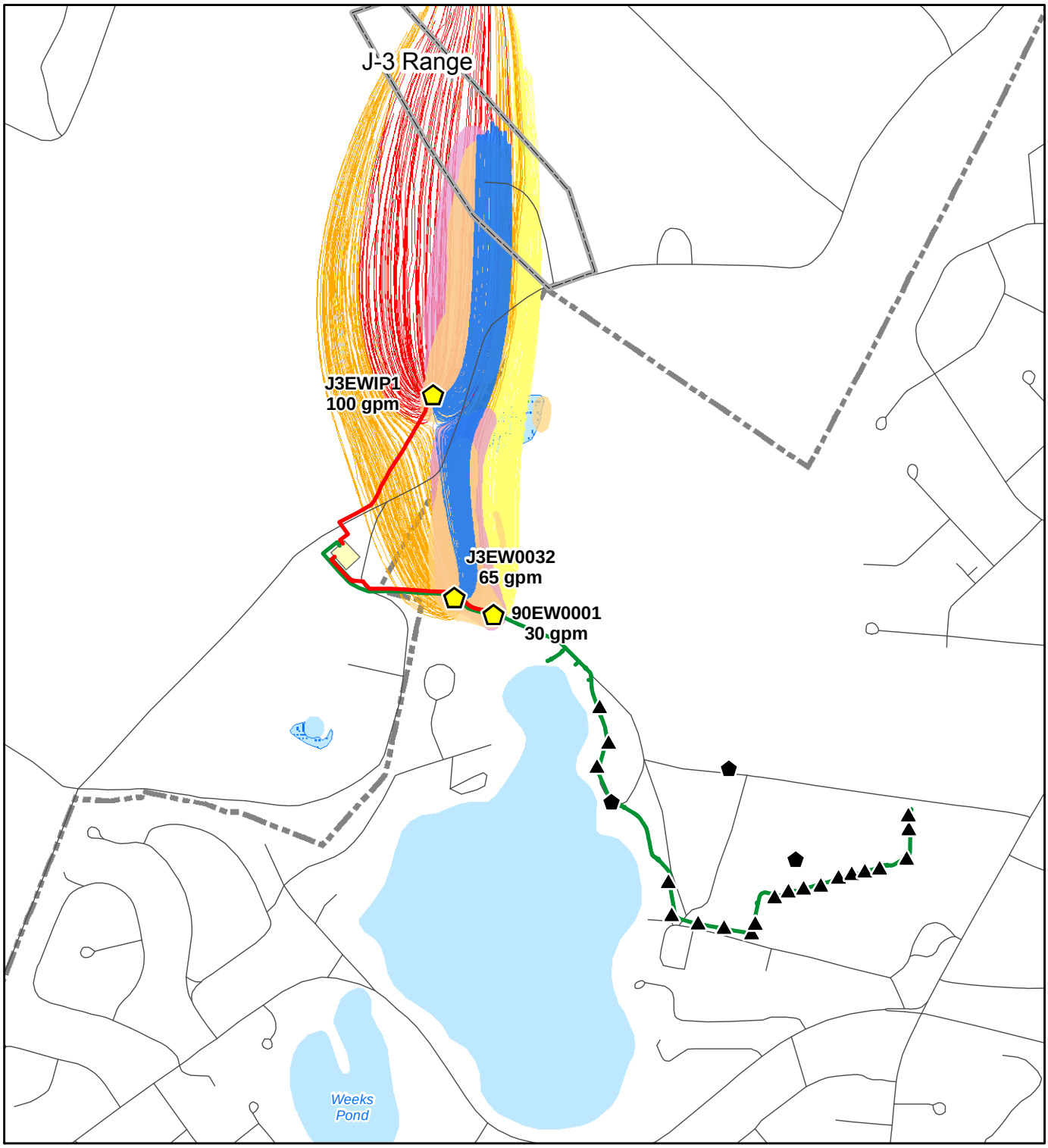
Alternative 5
Groundwater Extraction Scenario

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE 10-4

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August 27, 2014 DWN: MTW CHKD: KJH



Legend

- J-3 Extraction Well
  Current Extraction Rate
- FS-12 Extraction Well (operational)
- Reinjection Well (operational)
- Influent Piping
- Effluent Piping
- Simulated Source Area Particles

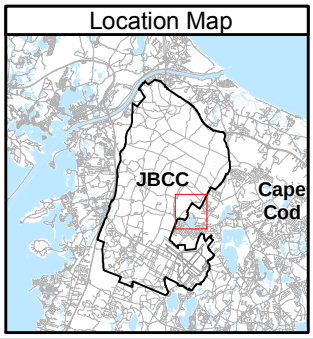
Capture Zones

- 90EW0001
- J3EW0032
- J3EWIP1

- Perchlorate > 2 µg/L
- RDX > 0.6 µg/L
- Treatment System
- J-3 Range Boundary
- JBCC Boundary

Plume: January 2014

Location Map



N

0 1,000 Feet

TITLE

Alternative 3
Capture of Source Area Contamination

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE 11-1

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August 5, 2014 DWN: MTW CHKD: KJH

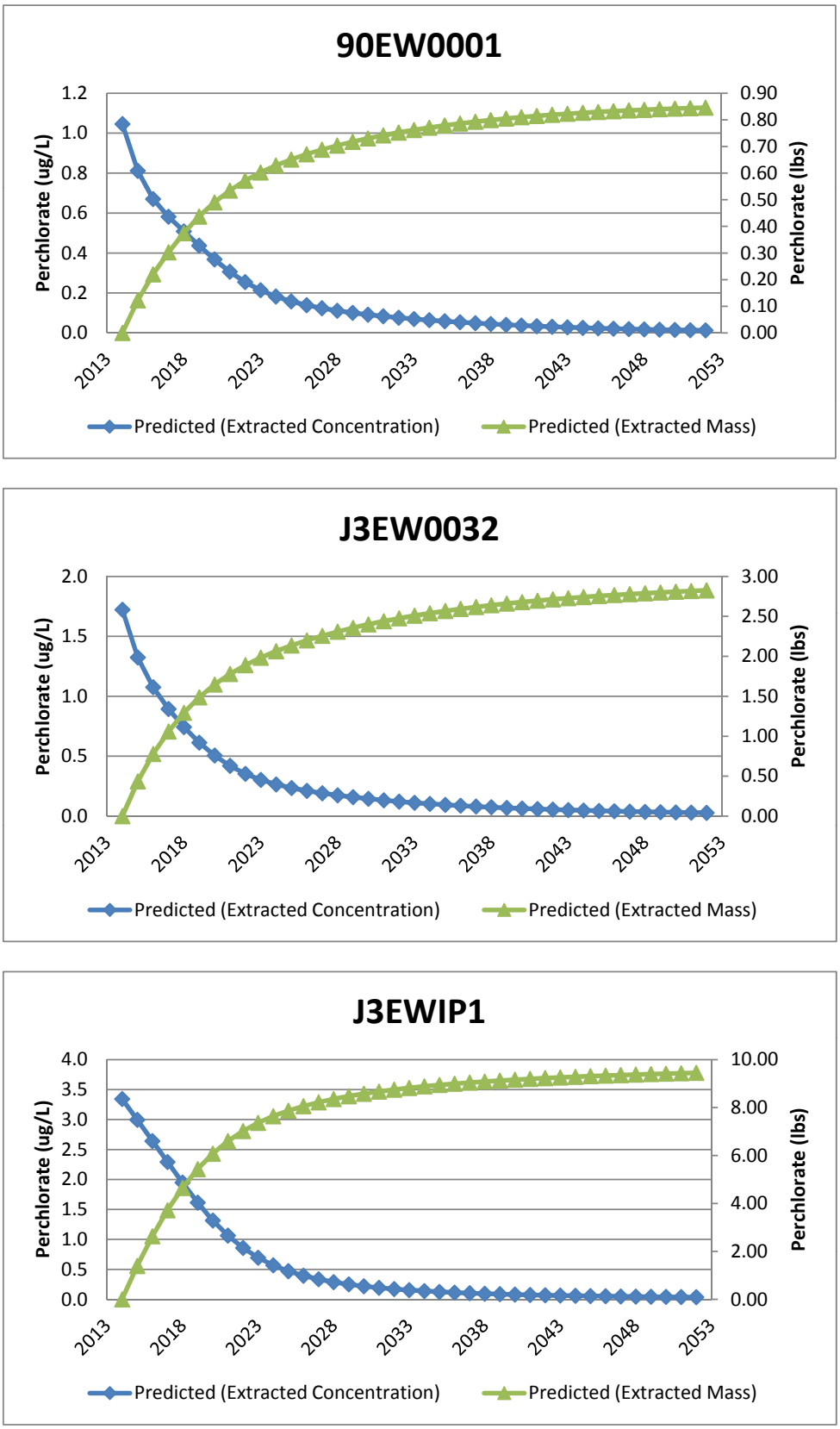


Figure 11-2: Alternative 3 Predicted Extracted Perchlorate Concentrations and Mass

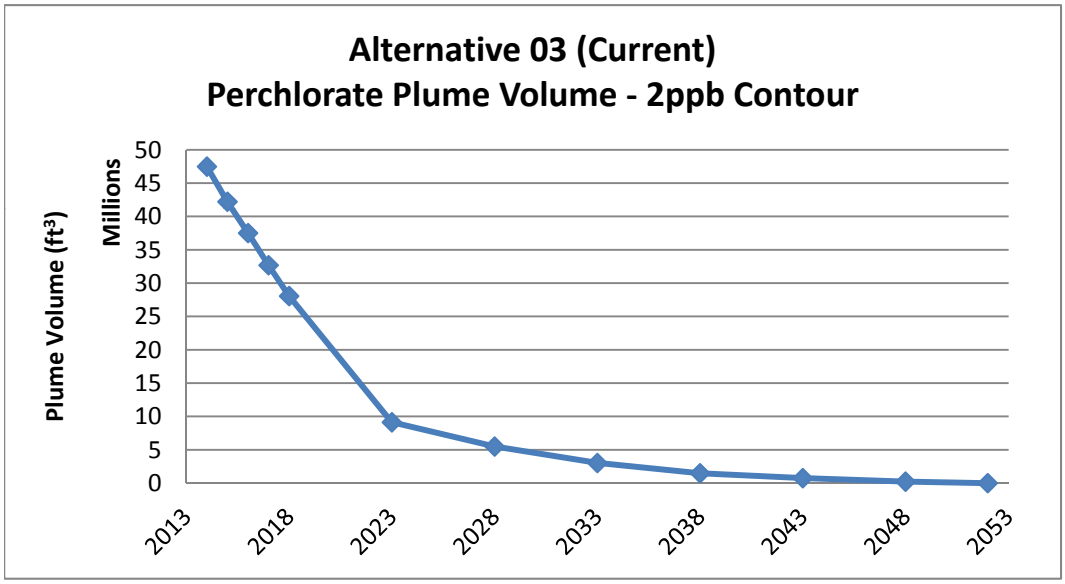


Figure 11-3: Alternative 3 Predicted Perchlorate Plume Volume to 2 ppb Contour

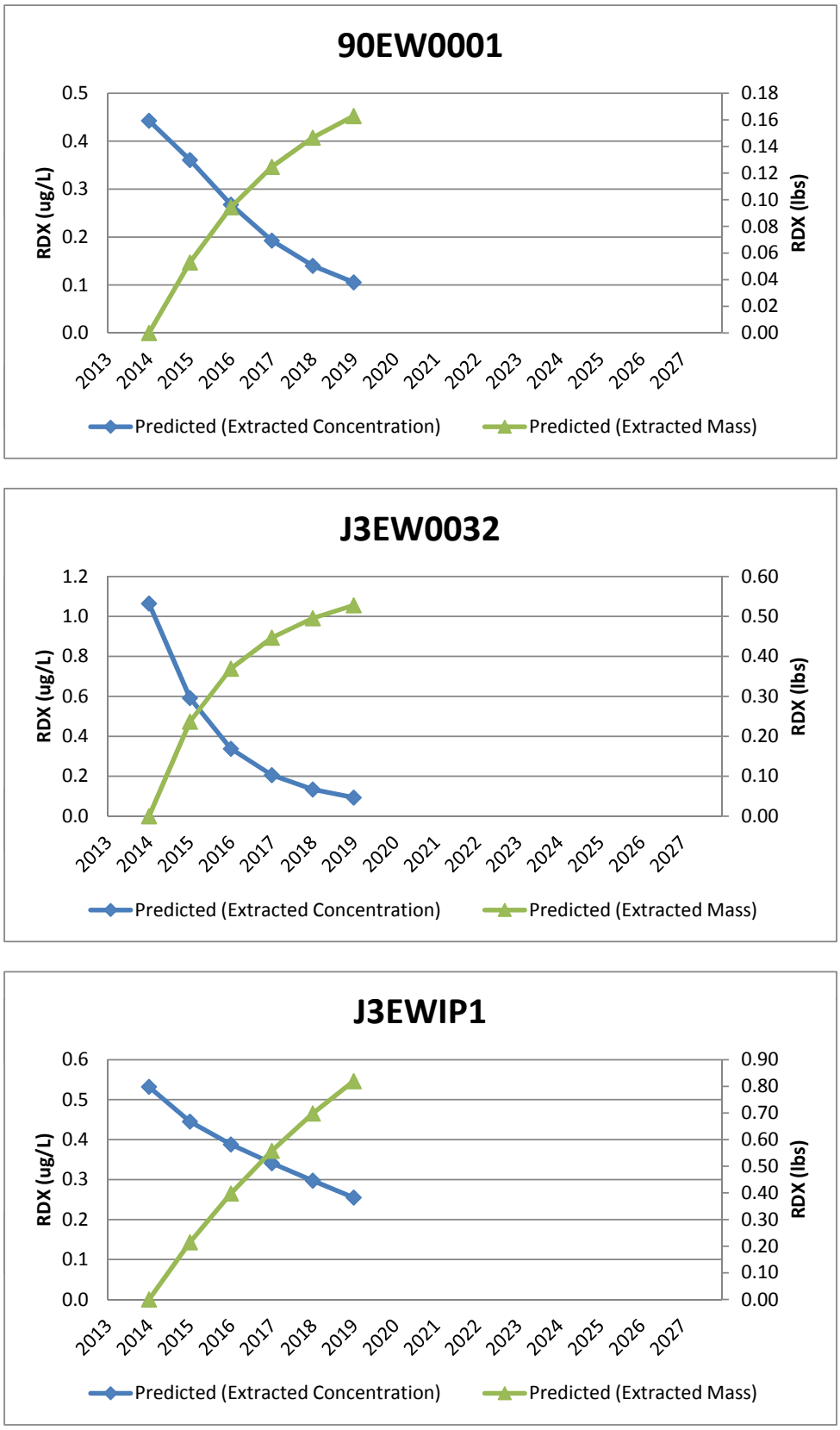


Figure 11-4: Alternative 3 Predicted Extracted RDX Concentrations and Mass

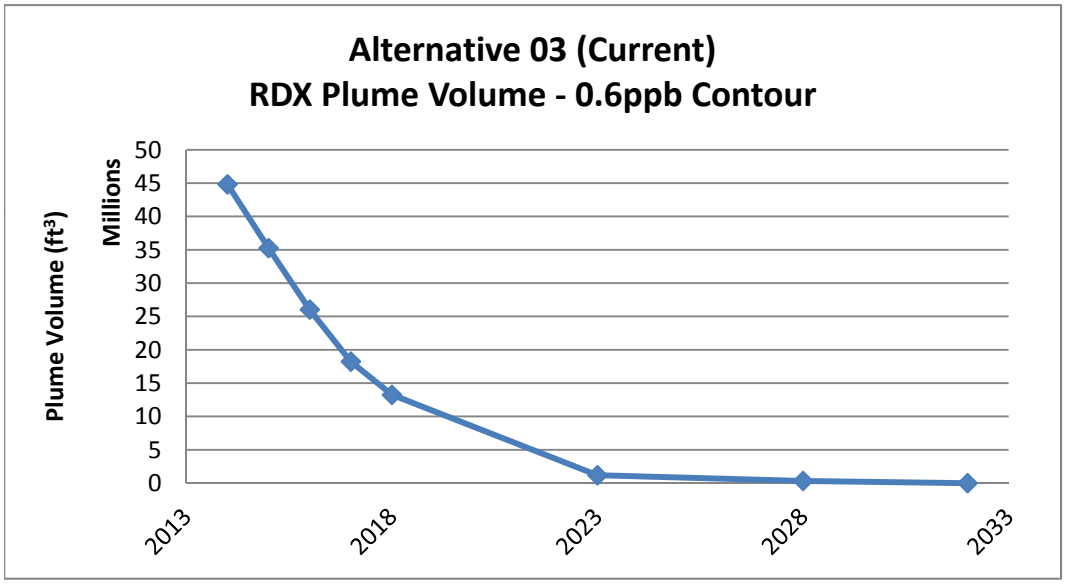
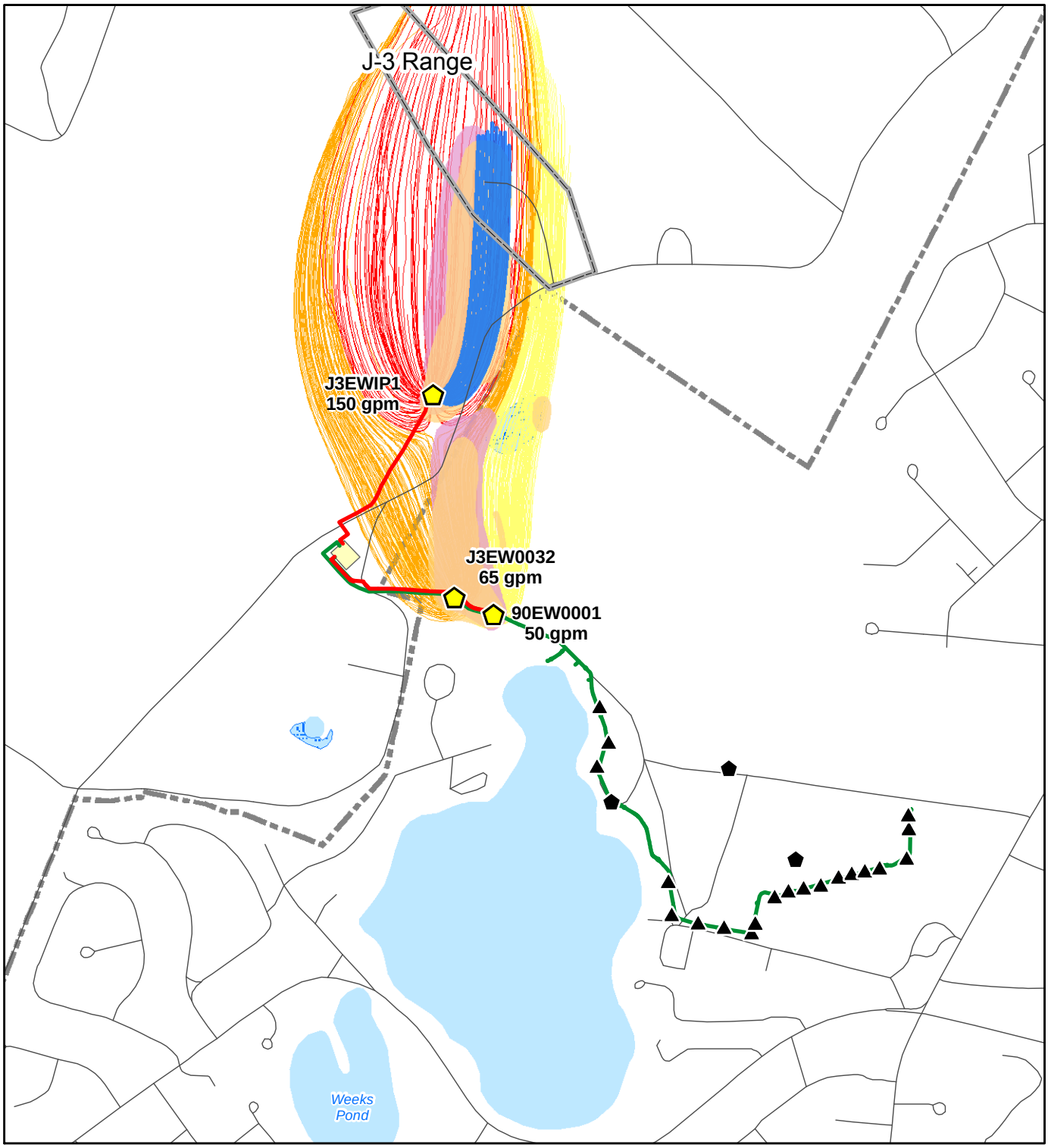


Figure 11-5: Alternative 3 Predicted RDX Plume Volume to 0.6 ppb Contour



Legend

- J-3 Extraction Well Optimized Extraction Rate
- FS-12 Extraction Well (operational)
- Reinjection Well (operational)
- Influent Piping
- Effluent Piping
- Simulated Source Area Particles

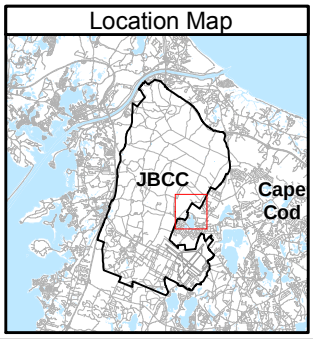
Capture Zones

- 90EW0001
- J3EW0032
- J3EWIP1

- Perchlorate > 2 µg/L
- RDX > 0.6 µg/L
- Treatment System
- J-3 Range Boundary
- JBCC Boundary

Plume: January 2014

Location Map



N

0 1,000 Feet

TITLE

Alternative 4
Capture of Source Area Contamination

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE 11-6

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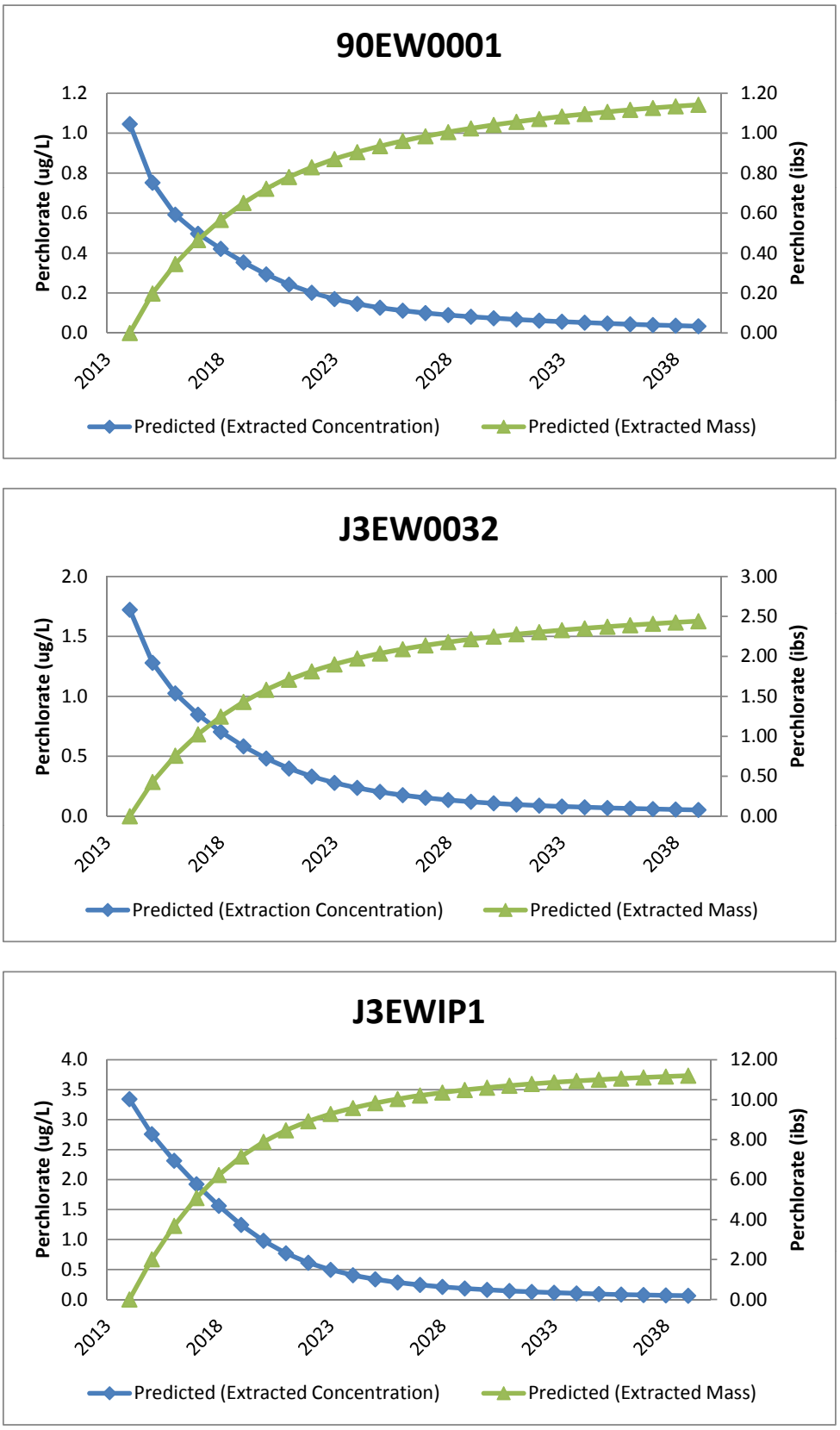


Figure 11-7: Alternative 4 Predicted Extracted Perchlorate Concentrations and Mass

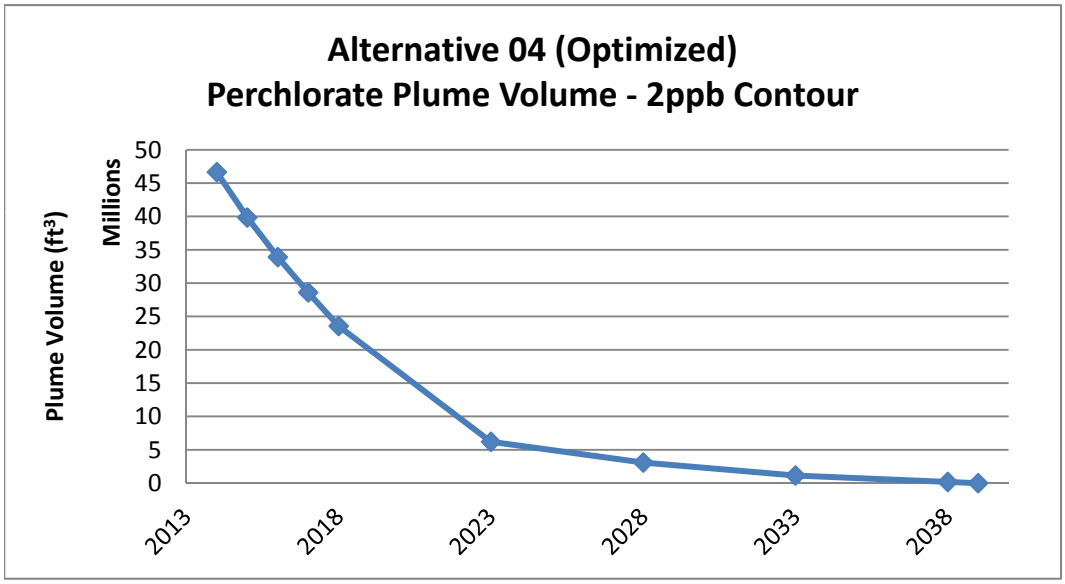


Figure 11-8: Alternative 4 Predicted Perchlorate Plume Volume to 2 ppb Contour

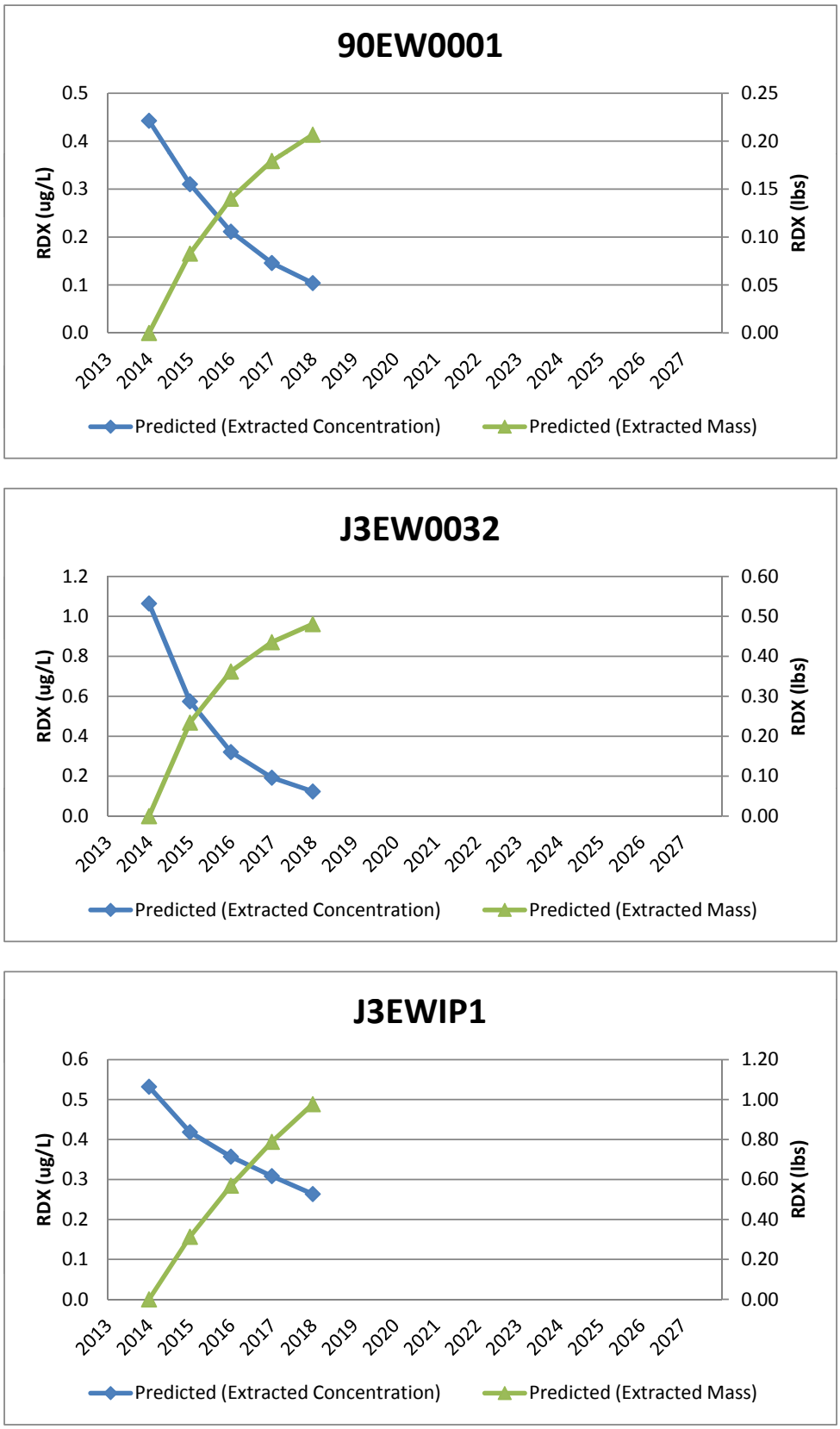


Figure 11-9: Alternative 4 Predicted Extracted RDX Concentrations and Mass

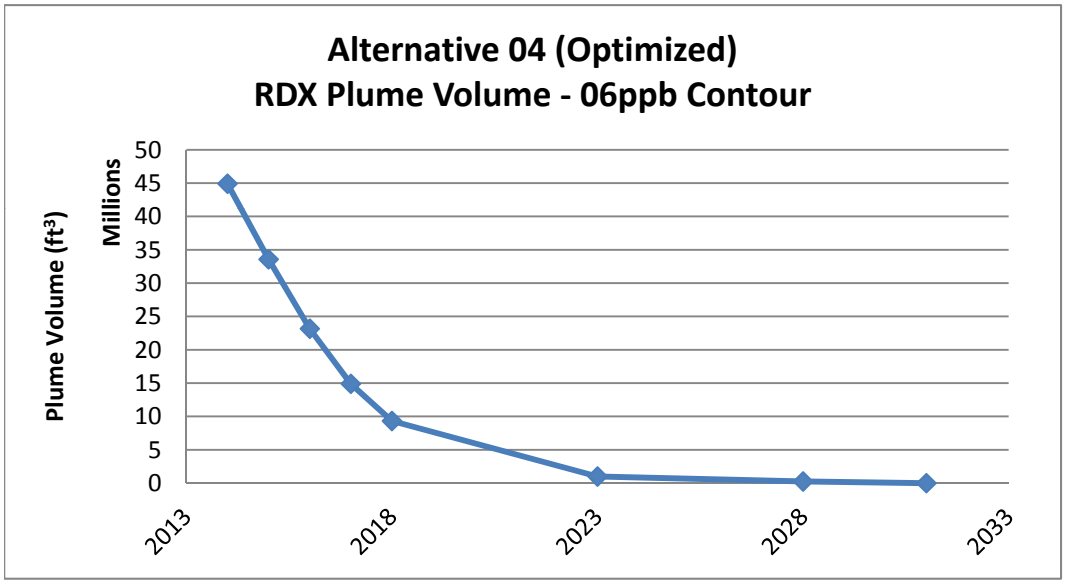
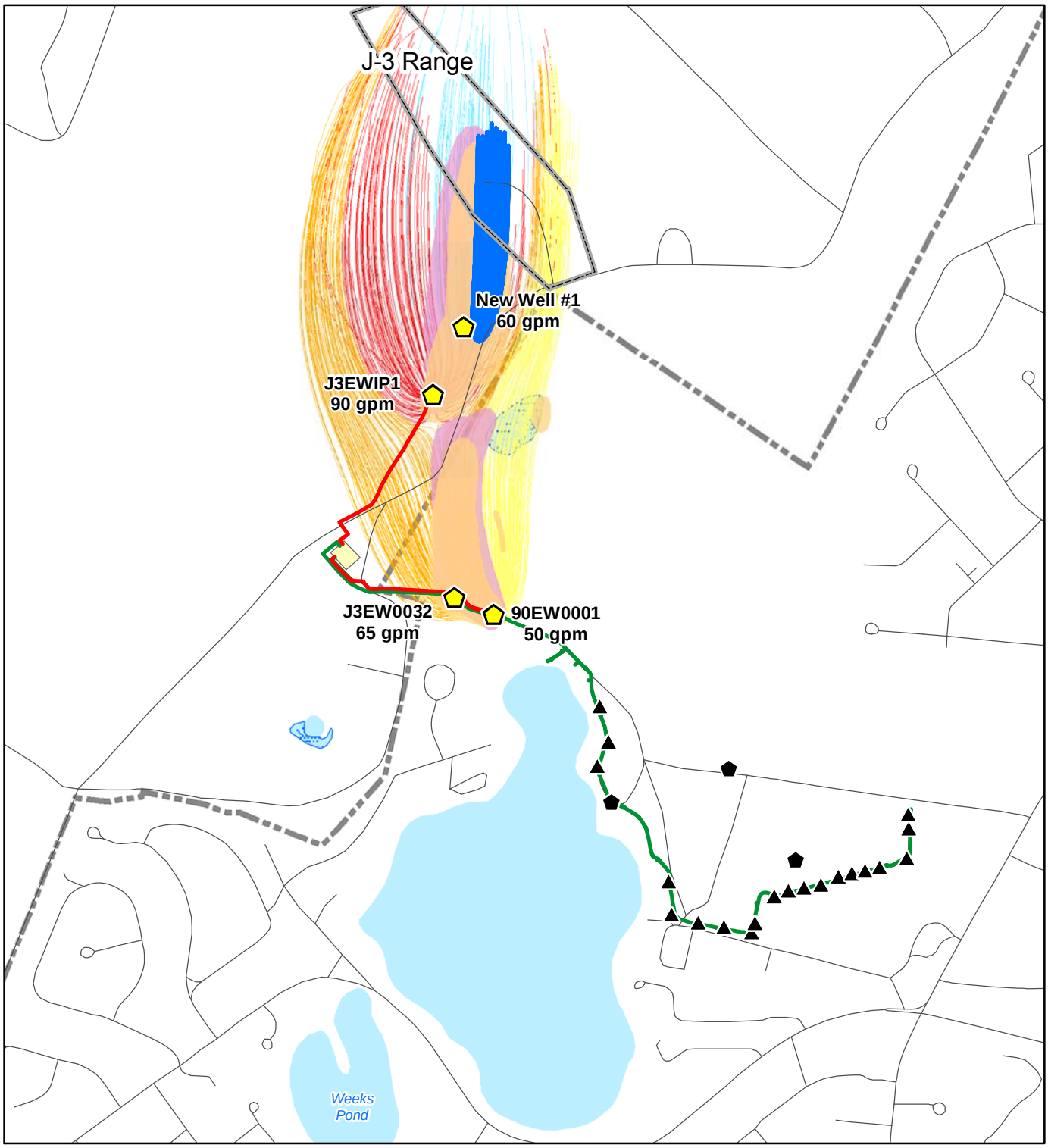


Figure 11-10: Alternative 4 Predicted RDX Plume Volume to 0.6 ppb Contour



Legend

- J-3 Extraction Well
  10 Year Extraction Rate
- FS-12 Extraction Well (operational)
- Reinjection Well (operational)
- Influent Piping
- Effluent Piping
- Simulated Source Area Particles

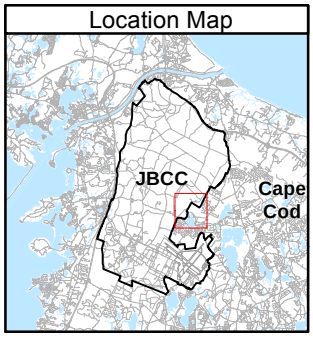
Capture Zones

- 90EW0001
- J3EW0032
- J3EWIP1
- New Well #1

- Perchlorate > 2 µg/L
- RDX > 0.6 µg/L
- Treatment System
- J-3 Range Boundary
- JBCC Boundary

Plume: January 2014

Location Map



N

0 1,000 Feet

TITLE

Alternative 4a
Capture of Source Area Contamination

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE
11-11

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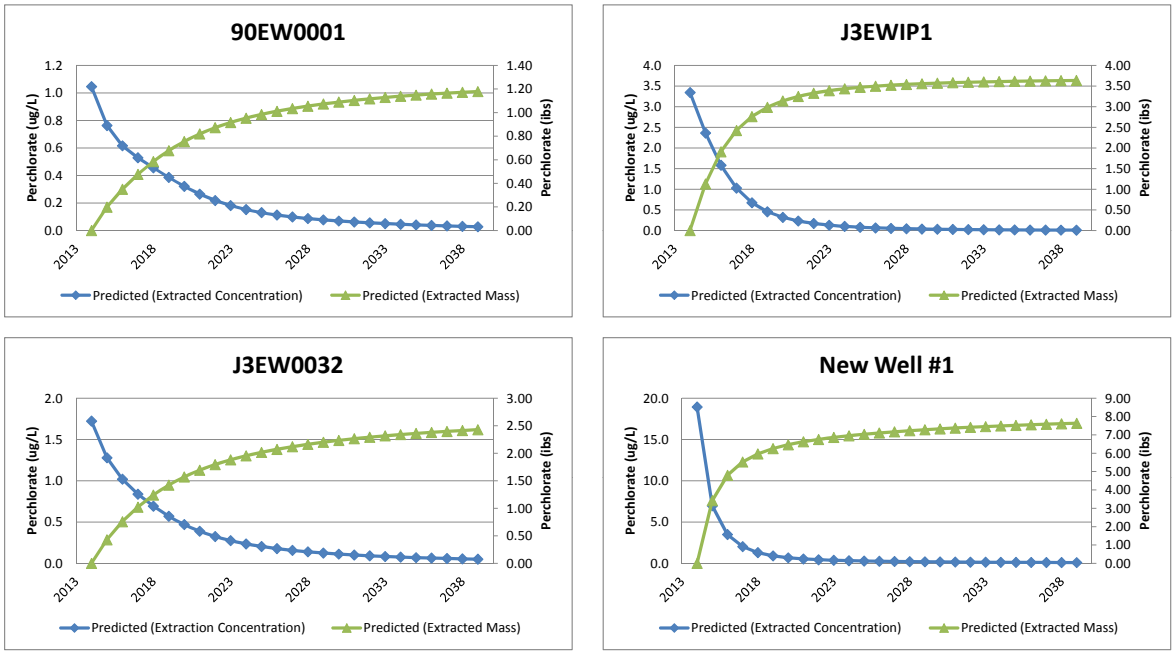


Figure 11-12: Alternative 4a Predicted Extracted Perchlorate Concentrations and Mass

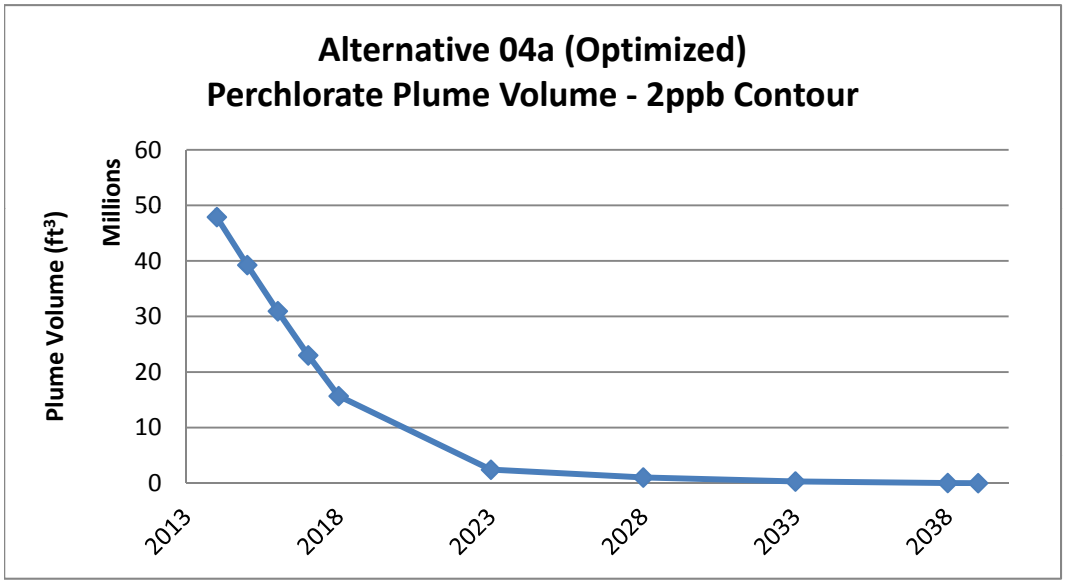


Figure 11-13: Alternative 4a Predicted Perchlorate Plume Volume to 2 ppb Contour

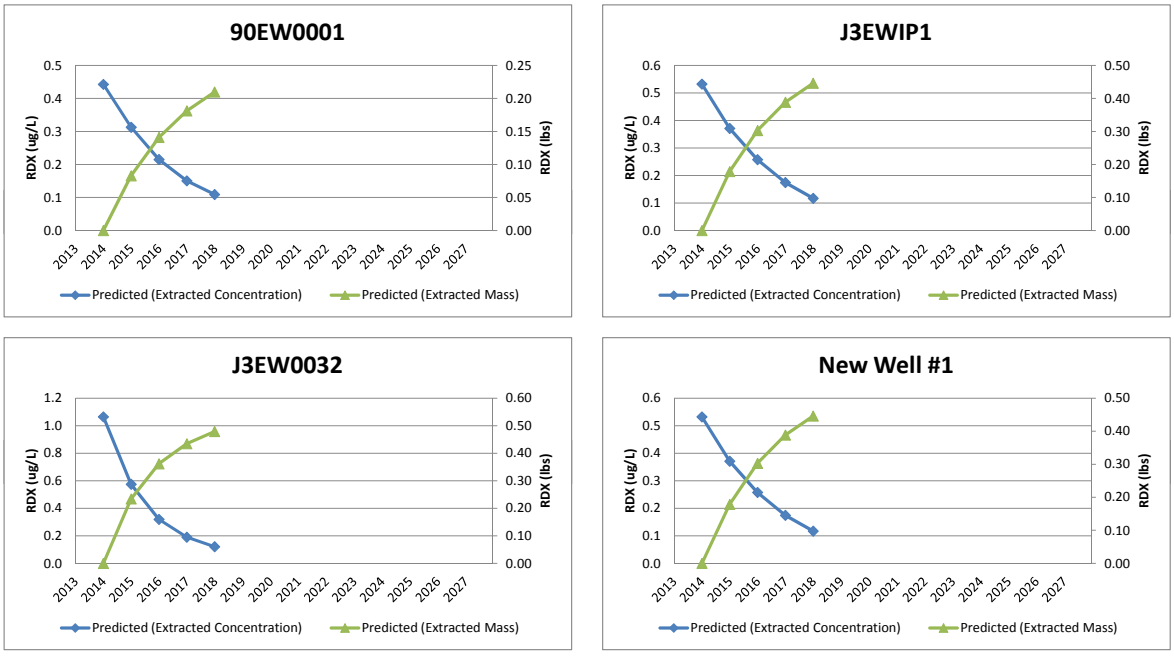


Figure 11-14: Alternative 4a Predicted Extracted RDX Concentrations and Mass

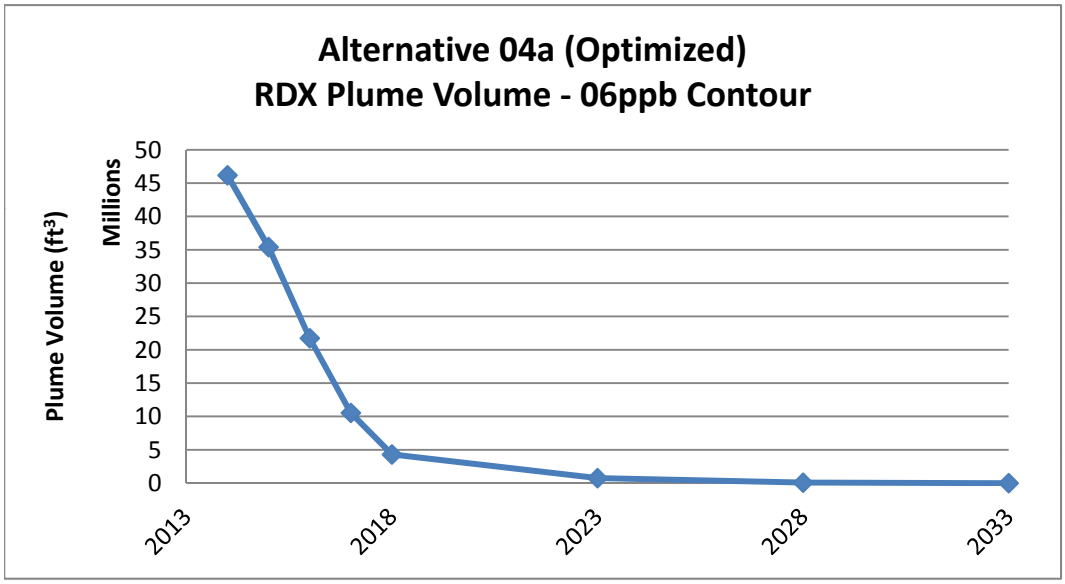
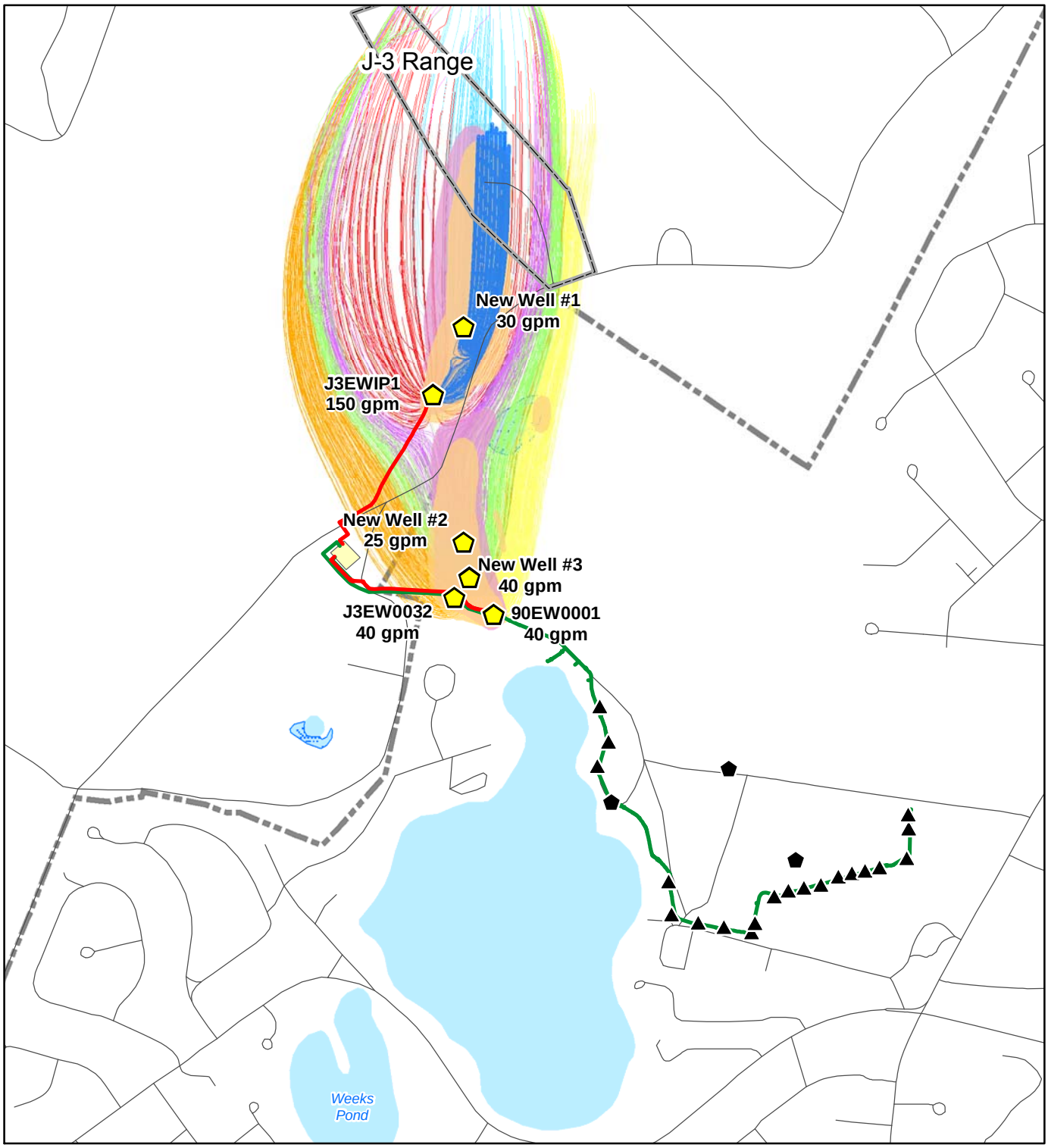


Figure 11-15: Alternative 4a Predicted RDX Plume Volume to 0.6 ppb Contour



Legend

- J-3 Extraction Well
  10 Year Extraction Rate
- FS-12 Extraction Well (operational)
- Reinjection Well (operational)
- Influent Piping
- Effluent Piping
- Simulated Source Area Particles

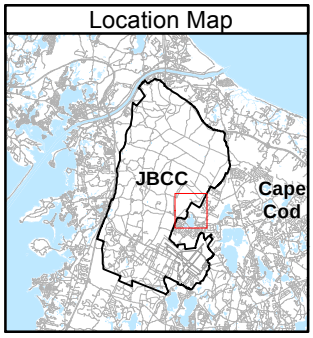
Capture Zones

- 90EW0001
- J3EW0032
- J3EWIP1
- New Well #1
- New Well #2
- New Well #3

- Perchlorate > 2 µg/L
- RDX > 0.6 µg/L
- Treatment System
- J-3 Range Boundary
- JBCC Boundary

Plume: January 2014

Location Map



N

0 1,000 Feet

TITLE

Alternative 5
Capture of Source Area Contamination

US Army Corps of Engineers
New England District

Impact Area Groundwater Study Program

FIGURE
11-16

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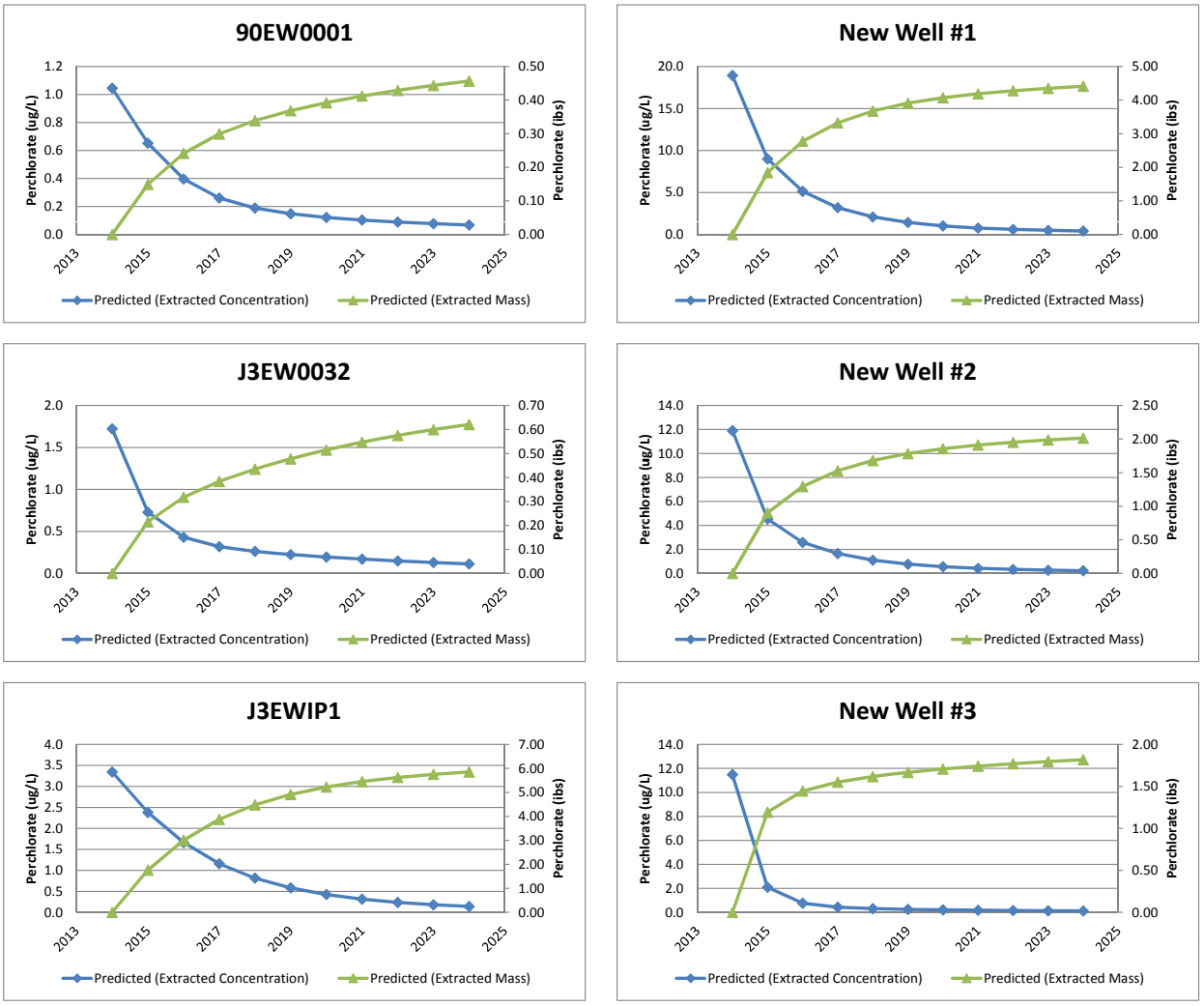


Figure 11-17: Alternative 5 Predicted Extracted Perchlorate Concentrations and Mass

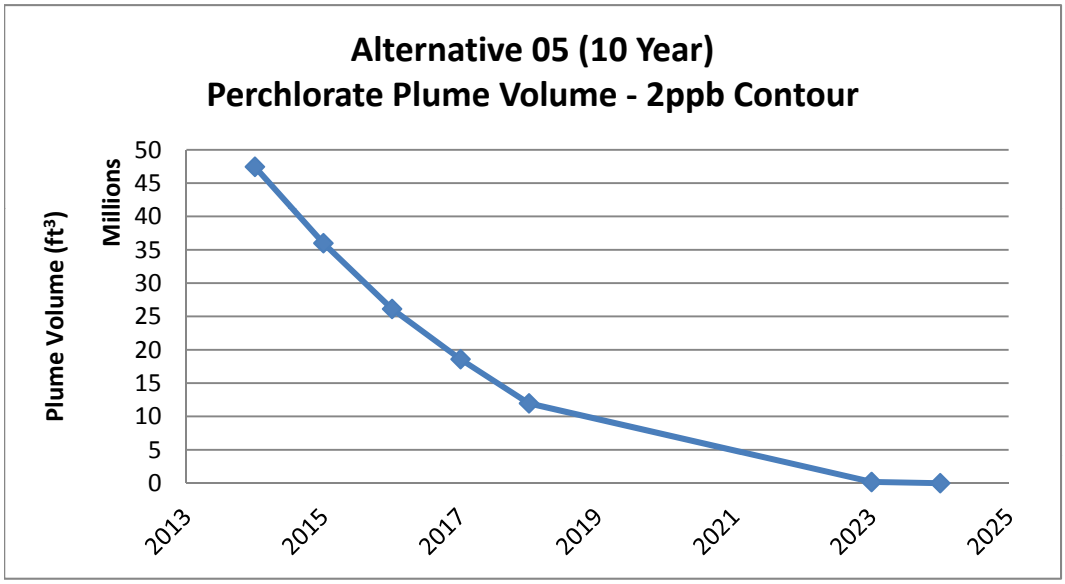


Figure 11-18: Alternative 5 Predicted Perchlorate Plume Volume to 2 ppb Contour

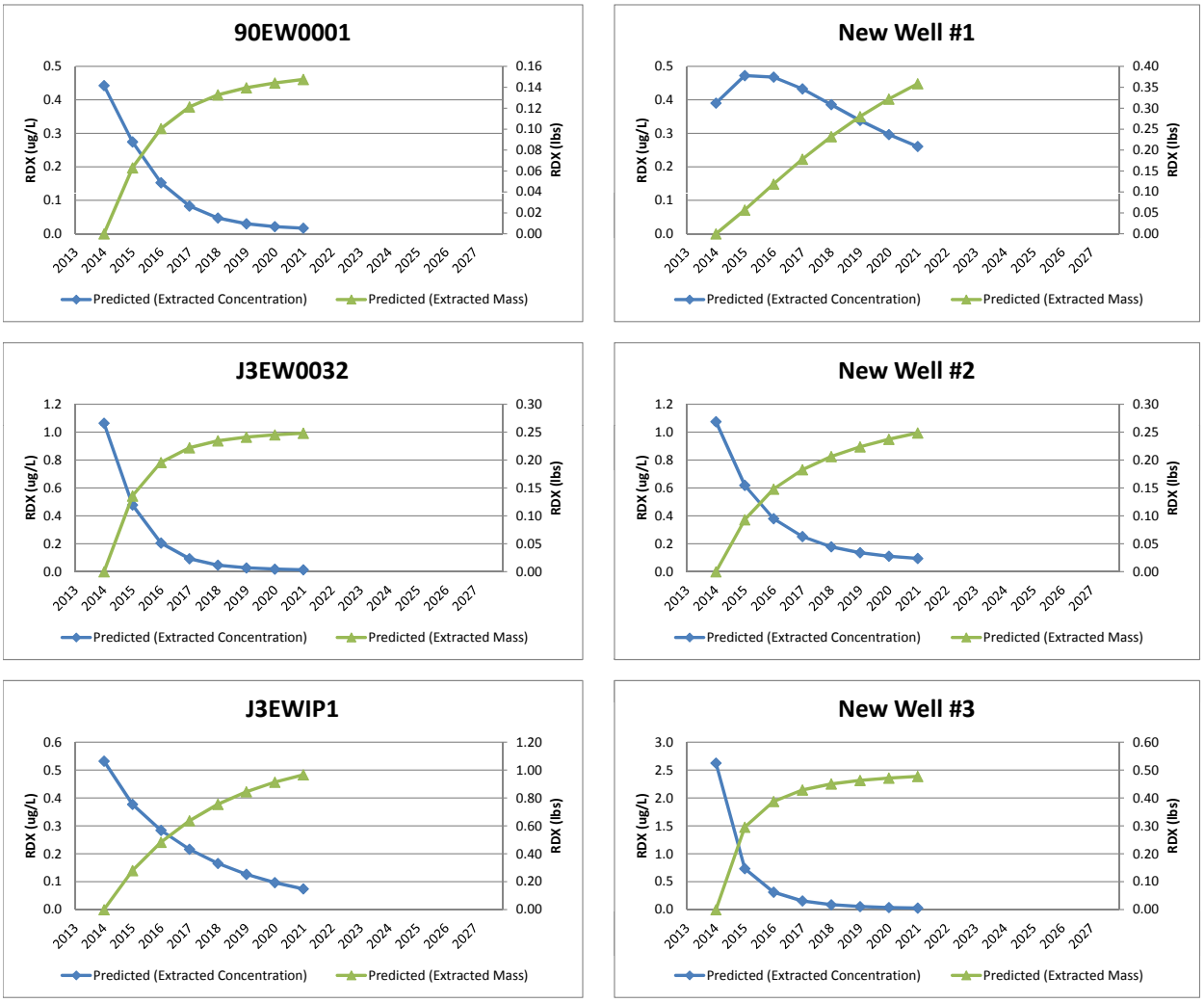


Figure 11-19: Alternative 5 Predicted Extracted RDX Concentrations and Mass

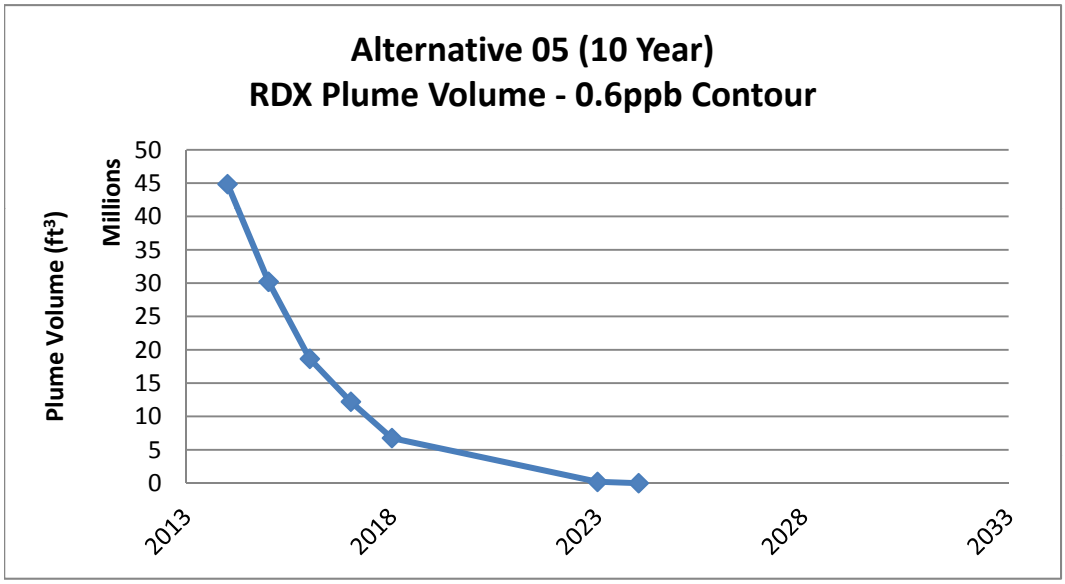


Figure 11-20: Alternative 5 Predicted RDX Plume Volume to 0.6 ppb Contour

TABLES

TABLE 3-1
J-3 Range Groundwater Location List

Location ID	SBD (ft)	SED (ft)
90MP0059B	116.39	118.89
90MW0004	83	88
90MW0010	11.5	21.5
90MW0011	46.5	51.5
90MW0014	103	108
90MW0022	112	117
90MW0054	107	112
90MW0063	50	55
90MW0101A	13	18
90MW0102A	112.9	117.7
90PZ0201	78.2	107.1
90PZ0204	80	85
90PZ0208	90	95
90PZ0211	80	110
90WT0004	35	45
90WT0005	47.5	57.5
J3-MW-1-B	175.6	185.6
J3-MW-1-C	203.61	213.61
MW-125M1	232	242
MW-125S	50	60
MW-132M1	224	234
MW-132S	37	47
MW-13D	220	225
MW-13S	73	83
MW-142M1	225	235
MW-142M2	140	150
MW-142S	42	52
MW-143M1	144	154
MW-143M2	117	122
MW-143M3	107	112
MW-144M1	195	205
MW-144M2	130	140
MW-144S	26	36
MW-145M1	125	135
MW-145S	30	40
MW-152M1	250	260
MW-152M2	154	164
MW-155M1	124	134
MW-155M2	45	55
MW-157D	209	219
MW-157M1	154	164
MW-157M2	110	120
MW-157M3	70	80
MW-163S	38	48
MW-169M1	154	159
MW-169M2	113.5	118.5
MW-171M1	141	146
MW-171M2	81	86
MW-171M3	29	34
MW-181S	32.25	42.25
MW-190M1	145	155
MW-190M2	110	120
MW-193M1	57	62
MW-193S	31	36
MW-194M1	85	90
MW-195S	34	39
MW-196M1	45	50

SBD = Screen Beginning Depth
SED = Screen Ending Depth

TABLE 3-1
J-3 Range Groundwater Location List

Location ID	SBD (ft)	SED (ft)
MW-196S	32	37
MW-197M1	120	125
MW-197M2	80	85
MW-197M3	60	65
MW-198M1	150	155
MW-198M2	120	125
MW-198M3	100	105
MW-198M4	70	75
MW-217M1	148	153
MW-217M2	138	143
MW-217M3	101	106
MW-217M4	68	73
MW-218M1	128	133
MW-218M2	98	103
MW-218M3	78	83
MW-227M1	130	140
MW-227M2	110	120
MW-227M3	65	75
MW-232M1	77.5	82.5
MW-232M2	61	66
MW-237M1	80	90
MW-237S	49	59
MW-243M1	114.5	124.5
MW-243M2	84.5	94.5
MW-243M3	69.5	79.5
MW-247M1	180	190
MW-247M2	125	135
MW-247M3	95	105
MW-250M1	185	195
MW-250M2	145	155
MW-250M3	95	105
MW-251M1	128	133
MW-251M2	98	103
MW-295M1	145	155
MW-295M2	117	127
MW-30	26	36
MW-329M1	179.96	189.96
MW-329M2	150.05	160.05
MW-343M1	215	225
MW-343M2	167	172
MW-343M3	110	120
MW-347D	306	316
MW-347M1	250	260
MW-347M2	145	155
MW-347S	107	117
MW-356M1	185	195
MW-356M2	140	150
MW-356S	105	115
MW-359M1	184.26	194.26
MW-359M2	148.62	158.62
MW-361M1	134	144
MW-361M2	104	114
MW-361M3	60	70
MW-364D	297	307
MW-364M1	147	157

SBD = Screen Beginning Depth
SED = Screen Ending Depth

TABLE 3-2
J-3 Range Groundwater Perchlorate Detections Greater than 2 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
90MW0022	14328	5/17/2004	112	117	E314.0	PERCHLORATE	3.4		0.35	1	UG/L
90MW0022	14330 FD	5/17/2004	112	117	E314.0	PERCHLORATE	3.5		0.35	1	UG/L
90MW0022	17565	9/21/2004	112	117	E314.0	PERCHLORATE	4.3		0.35	1	UG/L
90MW0022	21248	11/30/2004	112	117	E314.0	PERCHLORATE	4	J	0.35	1	UG/L
90MW0022	24227	6/9/2005	112	117	E314.0	PERCHLORATE	9.8		0.35	1	UG/L
90MW0022	24933	8/11/2005	112	117	E314.0	PERCHLORATE	10.2		0.35	1	UG/L
90MW0022	26169	12/2/2005	112	117	E314.0	PERCHLORATE	15.1		0.35	1	UG/L
90MW0022	01750	9/25/2007	112	117	E314.0	PERCHLORATE	6.16		0.35	1	UG/L
90MW0022	90MW0022-QA	9/25/2007	112	117	E314.0	PERCHLORATE	7.3		0.35	1	UG/L
90MW0022	90MW0022_FAL08	8/19/2008	112	117	E314.0	PERCHLORATE	11.1		0.35	1	UG/L
90MW0022	90MW0022_FAL08D	8/19/2008	112	117	E314.0	PERCHLORATE	11.3		0.35	1	UG/L
90MW0054	12135	2/18/2004	107	112	E314.0	PERCHLORATE	4.2		0.35	1	UG/L
90MW0054	14300	5/17/2004	107	112	E314.0	PERCHLORATE	2.6		0.35	1	UG/L
90PZ0211	15076	5/20/2004	103	103	E314.0	PERCHLORATE	5.7		0.35	1	UG/L
90PZ0211	15074	5/20/2004	93	93	E314.0	PERCHLORATE	5.3		0.35	1	UG/L
90PZ0211	15080	5/20/2004	83	83	E314.0	PERCHLORATE	5		0.35	1	UG/L
90PZ0211	18961	9/23/2004	103	103	E314.0	PERCHLORATE	9.4		0.35	1	UG/L
90PZ0211	18959	9/23/2004	93	93	E314.0	PERCHLORATE	8.1		0.35	1	UG/L
90PZ0211	18957	9/23/2004	83	83	E314.0	PERCHLORATE	7.4		0.35	1	UG/L
90PZ0211	24246	6/2/2005	93	93	E314.0	PERCHLORATE	2.8		0.35	1	UG/L
90PZ0211	25761	10/21/2005	93	93	E314.0	PERCHLORATE	2.3		0.35	1	UG/L
90PZ0211	25760	10/21/2005	83	83	E314.0	PERCHLORATE	3.1		0.35	1	UG/L
90PZ0211	01755	9/19/2007	83	103	E314.0	PERCHLORATE	2.7		0.35	1	UG/L
MW-132S	14508	5/18/2004	37	47	E314.0	PERCHLORATE	13		0.35	1	UG/L
MW-132S	18624	10/1/2004	37	47	E314.0	PERCHLORATE	7.6		0.35	1	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-2
J-3 Range Groundwater Perchlorate Detections Greater than 2 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-132S	21610	3/9/2005	37	47	E314.0	PERCHLORATE	4.5		0.35	1	UG/L
MW-132S	21612 FD	3/9/2005	37	47	E314.0	PERCHLORATE	4.6		0.35	1	UG/L
MW-132S	24423	6/14/2005	37	47	E314.0	PERCHLORATE	2.2		0.35	1	UG/L
MW-142M2	18035	9/3/2004	140	150	E314.0	PERCHLORATE	2	J	0.35	1	UG/L
MW-142M2	20902	11/17/2004	140	150	E314.0	PERCHLORATE	2.22	J	0.35	1	UG/L
MW-142M2	24296	6/3/2005	140	150	E314.0	PERCHLORATE	3		0.35	1	UG/L
MW-142M2	24701	7/21/2005	140	150	E314.0	PERCHLORATE	2.1		0.35	1	UG/L
MW-142M2	26342	12/13/2005	140	150	E314.0	PERCHLORATE	2.8		0.35	1	UG/L
MW-142M2	01777	9/5/2007	140	150	E314.0	PERCHLORATE	37.3	J	1.75	5	UG/L
MW-142M2	MW-142M2_FAL08	8/8/2008	140	150	E314.0	PERCHLORATE	12.5		0.35	1	UG/L
MW-142M2	MW-142M2_FAL09	9/23/2009	140	150	E314.0	PERCHLORATE	5.9		0.35	1	UG/L
MW-142M2	MW-142M2_FAL09D	9/23/2009	140	150	E314.0	PERCHLORATE	5.59		0.35	1	UG/L
MW-142M2	MW-142M2_F11	9/28/2011	140	150	SW6860	PERCHLORATE	6.31		0.007	0.05	UG/L
MW-142M2	MW-142M2_F12	7/24/2012	140	150	SW6860	PERCHLORATE	2.93		0.006	0.05	UG/L
MW-142M2	MW-142M2_F12D	7/24/2012	140	150	SW6860	PERCHLORATE	2.97		0.006	0.05	UG/L
MW-143M1	14272	5/7/2004	144	154	E314.0	PERCHLORATE	5	J	0.35	1	UG/L
MW-143M1	18626	9/20/2004	144	154	E314.0	PERCHLORATE	5.5		0.35	1	UG/L
MW-143M1	20908	1/12/2005	144	154	E314.0	PERCHLORATE	4		0.35	1	UG/L
MW-143M1	24001	6/13/2005	144	154	E314.0	PERCHLORATE	4.9		0.35	1	UG/L
MW-143M1	24828	8/19/2005	144	154	E314.0	PERCHLORATE	5.2		0.35	1	UG/L
MW-143M1	26334	12/12/2005	144	154	E314.0	PERCHLORATE	5.5		0.35	1	UG/L
MW-143M2	14274	5/7/2004	117	122	E314.0	PERCHLORATE	5.7	J	0.35	1	UG/L
MW-143M2	18628	9/20/2004	117	122	E314.0	PERCHLORATE	7.3		0.35	1	UG/L
MW-143M2	20910	1/6/2005	117	122	E314.0	PERCHLORATE	7.5		0.35	1	UG/L
MW-143M2	24003	6/13/2005	117	122	E314.0	PERCHLORATE	7		0.35	1	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-2
J-3 Range Groundwater Perchlorate Detections Greater than 2 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-143M2	24829	7/28/2005	117	122	E314.0	PERCHLORATE	5.8		0.35	1	UG/L
MW-143M2	26335	12/12/2005	117	122	E314.0	PERCHLORATE	9.5		0.35	1	UG/L
MW-143M2	26336 FD	12/12/2005	117	122	E314.0	PERCHLORATE	9.5		0.35	1	UG/L
MW-143M2	01779	9/5/2007	117	122	E314.0	PERCHLORATE	5.9	J	0.35	1	UG/L
MW-143M2	MW-143M2_FAL09	10/6/2009	117	122	E314.0	PERCHLORATE	4.59		0.35	1	UG/L
MW-143M2	MW-143M2_F10	10/11/2010	117	122	SW6860	PERCHLORATE	6.59		0.007	0.05	UG/L
MW-143M3	14276	5/7/2004	107	112	E314.0	PERCHLORATE	12	J	0.35	1	UG/L
MW-143M3	14278 FD	5/7/2004	107	112	E314.0	PERCHLORATE	12	J	0.35	1	UG/L
MW-143M3	18630	9/20/2004	107	112	E314.0	PERCHLORATE	12		0.35	1	UG/L
MW-143M3	20912	1/11/2005	107	112	E314.0	PERCHLORATE	10		0.35	1	UG/L
MW-143M3	24005	6/13/2005	107	112	E314.0	PERCHLORATE	13		0.35	1	UG/L
MW-143M3	24830	7/28/2005	107	112	E314.0	PERCHLORATE	11.3		0.35	1	UG/L
MW-143M3	26337	12/13/2005	107	112	E314.0	PERCHLORATE	15.8		0.35	1	UG/L
MW-143M3	01780	9/5/2007	107	112	E314.0	PERCHLORATE	8.15	J	0.35	1	UG/L
MW-143M3	MW-143M3_FAL08	8/13/2008	107	112	E314.0	PERCHLORATE	15.7		0.35	1	UG/L
MW-143M3	MW-143M3_FAL09	10/6/2009	107	112	E314.0	PERCHLORATE	3.88		0.35	1	UG/L
MW-143M3	MW-143M3_FAL09D	10/6/2009	107	112	E314.0	PERCHLORATE	3.9		0.35	1	UG/L
MW-163S	11966	2/13/2004	38	48	E314.0	PERCHLORATE	41		0.35	1	UG/L
MW-163S	14596	5/11/2004	38	48	E314.0	PERCHLORATE	58	J	0.35	1	UG/L
MW-163S	18588	10/1/2004	38	48	E314.0	PERCHLORATE	28		0.35	1	UG/L
MW-163S	22502	3/10/2005	38	48	E314.0	PERCHLORATE	120		0.35	1	UG/L
MW-163S	24320	6/8/2005	38	48	E314.0	PERCHLORATE	85	J	0.35	1	UG/L
MW-163S	25743	11/9/2005	38	48	E314.0	PERCHLORATE	28.7		0.7	2	UG/L
MW-163S	26797	3/13/2006	38	48	E314.0	PERCHLORATE	33.2		0.7	2	UG/L
MW-163S	MW-163S_FAL08	8/11/2008	38	48	E314.0	PERCHLORATE	2.73		0.35	1	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-2
J-3 Range Groundwater Perchlorate Detections Greater than 2 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-163S	MW-163S_FAL08D	8/11/2008	38	48	E314.0	PERCHLORATE	2.74		0.35	1	UG/L
MW-163S	MW-163S_FAL09	9/21/2009	38	48	E314.0	PERCHLORATE	3.74		0.35	1	UG/L
MW-163S	MW-163S_F13	7/30/2013	38	48	SW6860	PERCHLORATE	4.52		0.011	0.05	UG/L
MW-197M2	12631	4/13/2004	80	85	E314.0	PERCHLORATE	23.3		0	0	UG/L
MW-197M2	14929	5/26/2004	80	85	E314.0	PERCHLORATE	20		0.35	1	UG/L
MW-197M2	19389	10/5/2004	80	85	E314.0	PERCHLORATE	22		0.35	1	UG/L
MW-197M2	21931	3/17/2005	80	85	E314.0	PERCHLORATE	14		0.35	1	UG/L
MW-197M2	24178	6/7/2005	80	85	E314.0	PERCHLORATE	11		0.35	1	UG/L
MW-198M2	11471	2/5/2004	120	125	E314.0	PERCHLORATE	280		0.35	10	UG/L
MW-198M2	14937	5/27/2004	120	125	E314.0	PERCHLORATE	494		0.35	100	UG/L
MW-198M2	19403	10/4/2004	120	125	E314.0	PERCHLORATE	120		0.35	1	UG/L
MW-198M2	21923	3/15/2005	120	125	E314.0	PERCHLORATE	110		0.35	1	UG/L
MW-198M2	24194	6/14/2005	120	125	E314.0	PERCHLORATE	31		0.35	1	UG/L
MW-198M2	25724	11/2/2005	120	125	E314.0	PERCHLORATE	413		8.75	25	UG/L
MW-198M2	26738	2/27/2006	120	125	E314.0	PERCHLORATE	431		14	40	UG/L
MW-198M2	01799	9/25/2007	120	125	E314.0	PERCHLORATE	299		8.75	25	UG/L
MW-198M2	MW-198M2_FAL08	8/19/2008	120	125	E314.0	PERCHLORATE	194		7	20	UG/L
MW-198M2	MW-198M2_FAL08D	8/19/2008	120	125	E314.0	PERCHLORATE	197		7	20	UG/L
MW-198M2	MW-198M2_FAL09	9/30/2009	120	125	E314.0	PERCHLORATE	22		1.75	5	UG/L
MW-198M2	MW-198M2_FAL09QA	9/30/2009	120	130	SW6850	PERCHLORATE	25.4		0.2	1	UG/L
MW-198M2	MW-198M2_FAL09D	9/30/2009	120	125	E314.0	PERCHLORATE	21.2		1.75	5	UG/L
MW-198M2	MW-198M2_F10	10/14/2010	120	125	SW6860	PERCHLORATE	6.73		0.007	0.05	UG/L
MW-198M2	MW-198M2_F10D	10/14/2010	120	125	SW6860	PERCHLORATE	6.75		0.007	0.05	UG/L
MW-198M2	MW-198M2_F11	9/22/2011	120	125	SW6860	PERCHLORATE	2.5		0.007	0.05	UG/L
MW-198M2	MW-198M2_F11D	9/22/2011	120	125	SW6860	PERCHLORATE	2.46		0.007	0.05	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-2
J-3 Range Groundwater Perchlorate Detections Greater than 2 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-198M3	14939	5/27/2004	100	105	E314.0	PERCHLORATE	92.9		0.35	10	UG/L
MW-198M3	19405	10/4/2004	100	105	E314.0	PERCHLORATE	120		0.35	1	UG/L
MW-198M3	21925	3/15/2005	100	105	E314.0	PERCHLORATE	730	J	8.75	25	UG/L
MW-198M3	24196	6/14/2005	100	105	E314.0	PERCHLORATE	770		3.5	10	UG/L
MW-198M3	25725	10/20/2005	100	105	E314.0	PERCHLORATE	617		35	100	UG/L
MW-198M3	26739	2/28/2006	100	105	E314.0	PERCHLORATE	217		7	20	UG/L
MW-198M3	MW-198M3-QA	9/25/2007	100	105	E314.0	PERCHLORATE	62		1.05	3	UG/L
MW-198M3	01800	9/25/2007	100	105	E314.0	PERCHLORATE	58.8		1.75	5	UG/L
MW-198M3	MW-198M3_FAL08	8/20/2008	100	105	E314.0	PERCHLORATE	120		7	20	UG/L
MW-198M3	MW-198M3_FAL09	9/30/2009	100	105	E314.0	PERCHLORATE	7.45		0.35	1	UG/L
MW-198M3	MW-198M3_FAL09D	9/30/2009	100	105	E314.0	PERCHLORATE	6.94		0.35	1	UG/L
MW-198M3	MW-198M3_F10	10/14/2010	100	105	SW6860	PERCHLORATE	2.04		0.007	0.05	UG/L
MW-198M3	MW-198M3_F11	9/22/2011	100	105	SW6860	PERCHLORATE	2.43		0.007	0.05	UG/L
MW-198M3	MW-198M3_F12	8/1/2012	100	105	SW6860	PERCHLORATE	2.08		0.006	0.05	UG/L
MW-198M3	MW-198M3_F13	8/6/2013	100	105	SW6860	PERCHLORATE	2.66		0.011	0.05	UG/L
MW-198M4	14941	5/26/2004	70	75	E314.0	PERCHLORATE	81.6		0.35	10	UG/L
MW-198M4	19407	10/4/2004	70	75	E314.0	PERCHLORATE	120		0.35	1	UG/L
MW-198M4	21927	3/15/2005	70	75	E314.0	PERCHLORATE	160		0.35	1	UG/L
MW-198M4	24198	6/14/2005	70	75	E314.0	PERCHLORATE	110		0.35	1	UG/L
MW-198M4	25726	10/20/2005	70	75	E314.0	PERCHLORATE	88.7		3.5	10	UG/L
MW-198M4	26740	2/28/2006	70	75	E314.0	PERCHLORATE	33.5		0.7	2	UG/L
MW-198M4	01801	9/25/2007	70	75	E314.0	PERCHLORATE	62.1		1.75	5	UG/L
MW-198M4	MW-198M4-QA	9/25/2007	70	75	E314.0	PERCHLORATE	66		1.05	3	UG/L
MW-198M4	MW-198M4_FAL08	8/20/2008	70	75	E314.0	PERCHLORATE	53		3.5	10	UG/L
MW-198M4	MW-198M4_FAL09	9/30/2009	70	75	E314.0	PERCHLORATE	14		0.35	1	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-2
J-3 Range Groundwater Perchlorate Detections Greater than 2 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-198M4	MW-198M4_FAL09D	9/30/2009	70	75	E314.0	PERCHLORATE	13.7		0.35	1	UG/L
MW-198M4	MW-198M4_F10	10/14/2010	70	75	SW6860	PERCHLORATE	7.91		0.007	0.05	UG/L
MW-198M4	MW-198M4_F10D	10/14/2010	70	75	SW6860	PERCHLORATE	8.12		0.007	0.05	UG/L
MW-198M4	MW-198M4_F11	9/22/2011	70	75	SW6860	PERCHLORATE	8.44		0.034	0.25	UG/L
MW-198M4	MW-198M4_F11D	9/22/2011	70	75	SW6860	PERCHLORATE	8.35		0.034	0.25	UG/L
MW-198M4	MW-198M4_F12	8/1/2012	70	75	SW6860	PERCHLORATE	5.69		0.006	0.05	UG/L
MW-198M4	MW-198M4_F12D	8/1/2012	70	75	SW6860	PERCHLORATE	5.64		0.006	0.05	UG/L
MW-227M2	MW-227M2_F10	10/7/2010	110	120	SW6860	PERCHLORATE	2.46		0.007	0.05	UG/L
MW-227M2	MW-227M2_F11	9/29/2011	110	120	SW6860	PERCHLORATE	2.06		0.007	0.05	UG/L
MW-232M1	18499	9/16/2004	77.5	82.5	E314.0	PERCHLORATE	2.6		0.35	1	UG/L
MW-232M1	22023	3/9/2005	77.5	82.5	E314.0	PERCHLORATE	3.3		0.35	1	UG/L
MW-232M2	MW-232M2_F12	7/30/2012	61	66	SW6860	PERCHLORATE	2.88		0.006	0.05	UG/L
MW-237M1	21875	3/10/2005	80	90	E314.0	PERCHLORATE	3.1		0.35	1	UG/L
MW-237M1	23883	6/2/2005	80	90	E314.0	PERCHLORATE	2.1		0.35	1	UG/L
MW-243M1	23885	6/2/2005	114.5	124.5	E314.0	PERCHLORATE	4.2		0.35	1	UG/L
MW-243M1	25451	9/14/2005	114.5	124.5	E314.0	PERCHLORATE	3		0.35	1	UG/L
MW-243M1	26308	12/12/2005	114.5	124.5	E314.0	PERCHLORATE	4.2		0.35	1	UG/L
MW-243M1	01824	9/7/2007	114.5	124.5	E314.0	PERCHLORATE	2.84	J	0.35	1	UG/L
MW-247M2	13969	4/22/2004	125	135	E314.0	PERCHLORATE	4.4		0.35	1	UG/L
MW-247M2	14294	5/13/2004	125	135	E314.0	PERCHLORATE	4.9		0.35	1	UG/L
MW-247M2	18762	10/12/2004	125	135	E314.0	PERCHLORATE	3.5	J	0.35	1	UG/L
MW-247M2	21023	12/2/2004	125	135	E314.0	PERCHLORATE	3.8	J	0.35	1	UG/L
MW-247M2	26032	11/11/2005	125	135	E314.0	PERCHLORATE	2.7		0.35	1	UG/L
MW-247M2	26577	1/16/2006	125	135	E314.0	PERCHLORATE	2.3		0.35	1	UG/L
MW-250M1	13979	4/22/2004	185	195	E314.0	PERCHLORATE	2		0.35	1	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-2
J-3 Range Groundwater Perchlorate Detections Greater than 2 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-250M2	13981	4/22/2004	145	155	E314.0	PERCHLORATE	6.3		0.35	1	UG/L
MW-250M2	15064	5/19/2004	145	155	E314.0	PERCHLORATE	6.6		0.35	1	UG/L
MW-250M2	18729	10/12/2004	145	155	E314.0	PERCHLORATE	5.7	J	0.35	1	UG/L
MW-250M2	21029	12/2/2004	145	155	E314.0	PERCHLORATE	5.7	J	0.35	1	UG/L
MW-250M2	23821	6/4/2005	145	155	E314.0	PERCHLORATE	5.5	J	0.35	1	UG/L
MW-250M2	25546	10/10/2005	145	155	E314.0	PERCHLORATE	2.9		0.35	1	UG/L
MW-250M2	26548	1/16/2006	145	155	E314.0	PERCHLORATE	2.5		0.35	1	UG/L
MW-250M2	01833	9/11/2007	145	155	E314.0	PERCHLORATE	4.88		0.35	1	UG/L
MW-250M2	MW-250M2_FAL08	8/7/2008	145	155	E314.0	PERCHLORATE	7.83		0.35	1	UG/L
MW-250M2	MW-250M2_FAL09	10/8/2009	145	155	E314.0	PERCHLORATE	4.98		0.35	1	UG/L
MW-250M2	MW-250M2_F10	10/12/2010	145	155	SW6860	PERCHLORATE	3.82		0.007	0.05	UG/L
MW-250M3	15066	5/19/2004	95	105	E314.0	PERCHLORATE	2.1		0.35	1	UG/L
MW-250M3	MW-250M3_F12	8/13/2012	95	105	SW6860	PERCHLORATE	3.04		0.006	0.05	UG/L
MW-250M3	MW-250M3_F13	7/23/2013	95	105	SW6860	PERCHLORATE	3.92		0.011	0.05	UG/L
MW-250M3	MW-250M3_F13D	7/23/2013	95	105	SW6860	PERCHLORATE	3.99		0.011	0.05	UG/L
MW-295M1	10584	1/14/2004	145	155	E314.0	PERCHLORATE	2.1		0.35	1	UG/L
MW-295M1	10586 FD	1/14/2004	145	155	E314.0	PERCHLORATE	2.15		0.35	1	UG/L
MW-295M1	1573	3/7/2007	145	155	E314.0	PERCHLORATE	2.04		0.22	1	UG/L
MW-295M1	01846	9/7/2007	145	155	E314.0	PERCHLORATE	2.64	J	0.35	1	UG/L
MW-295M1	MW-295M1_3S	2/27/2008	145	155	E314.0	PERCHLORATE	2.4	J	0.35	1	UG/L
MW-329M2	MW-329M2-	4/7/2005	150.05	160.05	E314.0	PERCHLORATE	2.1		0.35	1	UG/L
MW-343M1	MW-343M1-	11/22/2004	215	225	E314.0	PERCHLORATE	2.9		0.35	1	UG/L
MW-343M1	MW-343M1-	3/23/2005	214.83	224.83	E314.0	PERCHLORATE	2.3		0.35	1	UG/L
MW-343M1	MW-343M1-	7/18/2005	214.83	224.83	E314.0	PERCHLORATE	3.5		0.35	1	UG/L
MW-343M1	26562	1/10/2006	215	225	E314.0	PERCHLORATE	3.6		0.35	1	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-2
J-3 Range Groundwater Perchlorate Detections Greater than 2 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-343M1	27173	6/6/2006	215	225	E314.0	PERCHLORATE	5.4	J	0.35	1	UG/L
MW-343M1	01877	9/14/2007	215	225	E314.0	PERCHLORATE	5.39	J	0.35	1	UG/L
MW-343M1	MW-343M1_FAL09	9/24/2009	215	225	E314.0	PERCHLORATE	3.02		0.35	1	UG/L
MW-343M1	MW-343M1_F10	10/13/2010	215	225	SW6860	PERCHLORATE	4.2		0.007	0.05	UG/L
MW-343M1	MW-343M1_F11	9/28/2011	214.8	224.8	SW6860	PERCHLORATE	3.14		0.007	0.05	UG/L
MW-343M1	MW-343M1_F11D	9/28/2011	214.8	224.8	SW6860	PERCHLORATE	3.02		0.007	0.05	UG/L
MW-343M1	MW-343M1_F12	7/25/2012	214.8	224.8	SW6860	PERCHLORATE	2.85		0.006	0.05	UG/L
MW-343M1	MW-343M1_F12D	7/25/2012	214.8	224.8	SW6860	PERCHLORATE	2.78		0.006	0.05	UG/L
MW-343M2	MW-343M2_F10	10/13/2010	167	172	SW6860	PERCHLORATE	3.01		0.007	0.05	UG/L
MW-132S	AL790	11/9/2000	37	47	E314.0	PERCHLORATE	39	J	1	5	UG/L
MW-132S	AN262	2/16/2001	37	47	E314.0	PERCHLORATE	65		1.5	5	UG/L
MW-132S	AQ992	6/15/2001	37	47	E314.0	PERCHLORATE	75		1.5	5	UG/L
MW-132S	AX116	12/12/2001	37	47	E314.0	PERCHLORATE	27.4		0.35	2	UG/L
MW-132S	BF853	6/28/2002	37	47	E314.0	PERCHLORATE	28		0.43	1	UG/L
MW-132S	BI503	9/20/2002	37	47	E314.0	PERCHLORATE	13	J	0.43	1	UG/L
MW-132S	00138	12/10/2002	37	47	E314.0	PERCHLORATE	20		0.43	1	UG/L
MW-132S	02613	3/27/2003	37	47	E314.0	PERCHLORATE	17		0.43	1	UG/L
MW-132S	09475	11/4/2003	37	47	E314.0	PERCHLORATE	11		0.35	1	UG/L
MW-132S	10740	12/18/2003	37	47	E314.0	PERCHLORATE	17	J	0.35	1	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-3
J-3 Range Groundwater RDX Detections Greater than 0.6 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
90MP0059B	18610	10/11/2004	116.39	118.89	SW8330	RDX	0.7		0.0281	0.25	UG/L
90MP0059B	21219	12/1/2004	116.39	118.89	SW8330	RDX	0.66		0.0281	0.25	UG/L
90MW0054	12136	2/18/2004	107	112	SW8330	RDX	3.1		0.0281	0.25	UG/L
90MW0054	14301	5/17/2004	107	112	SW8330	RDX	2.2		0.0281	0.25	UG/L
90MW0054	18895	10/7/2004	107	112	SW8330	RDX	1.7		0.0281	0.25	UG/L
90MW0054	22485	3/4/2005	107	112	SW8330	RDX	1.1		0.0281	0.25	UG/L
90MW0054	24232	6/16/2005	107	112	SW8330	RDX	0.68	J	0.032	0.25	UG/L
90PZ0211	25761	10/21/2005	93	93	SW8330	RDX	0.6	J	0.094	0.25	UG/L
90PZ0211	25760	10/21/2005	83	83	SW8330	RDX	0.61		0.094	0.25	UG/L
90PZ0211	01755	9/19/2007	83	103	SW8330	RDX	0.926		0.0978	0.222	UG/L
90PZ0211	90PZ0211_FAL08	8/11/2008	83	103	SW8330	RDX	1.4		0.0936	0.213	UG/L
90PZ0211	90PZ0211_FAL08D	8/11/2008	83	103	SW8330	RDX	1.37		0.0946	0.215	UG/L
MW-132S	AL643	11/9/2000	37	47	SW8330	RDX	2.5		0.06	0.25	UG/L
MW-132S	AN247	2/16/2001	37	47	SW8330	RDX	4.4		0.06	0.25	UG/L
MW-132S	AQ991	6/15/2001	37	47	SW8330	RDX	1.2		0.0564	0.25	UG/L
MW-132S	AX115	12/12/2001	37	47	SW8330	RDX	5.8		0.045	0.25	UG/L
MW-132S	BF852	6/28/2002	37	47	SW8330	RDX	1.5		0.045	0.25	UG/L
MW-132S	00139	12/10/2002	37	47	SW8330	RDX	0.69		0.0398	0.25	UG/L
MW-132S	21611	3/9/2005	37	47	SW8330	RDX	0.99	J	0.0281	0.25	UG/L
MW-132S	21613 FD	3/9/2005	37	47	SW8330	RDX	0.93	J	0.0281	0.25	UG/L
MW-132S	24424	6/14/2005	37	47	SW8330	RDX	0.66		0.032	0.25	UG/L
MW-132S	25255	9/8/2005	37	47	SW8330	RDX	0.74		0.032	0.25	UG/L
MW-132S	25256 FD	9/8/2005	37	47	SW8330	RDX	0.68		0.032	0.25	UG/L
MW-142M2	14269	5/13/2004	140	150	SW8330	RDX	0.8		0.0281	0.25	UG/L
MW-142M2	18036	9/3/2004	140	150	SW8330	RDX	0.68	J	0.0281	0.25	UG/L
MW-143M1	14273	5/7/2004	144	154	SW8330	RDX	1		0.0281	0.25	UG/L
MW-143M1	18627	9/20/2004	144	154	SW8330	RDX	1		0.0281	0.25	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-3
J-3 Range Groundwater RDX Detections Greater than 0.6 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-143M1	20909	1/12/2005	144	154	SW8330	RDX	0.8		0.0281	0.25	UG/L
MW-143M1	24002	6/13/2005	144	154	SW8330	RDX	0.7		0.032	0.25	UG/L
MW-143M1	24828	8/19/2005	144	154	SW8330	RDX	0.69	J	0.032	0.25	UG/L
MW-143M1	26334	12/12/2005	144	154	SW8330	RDX	0.6	J	0.094	0.25	UG/L
MW-143M2	18629	9/20/2004	117	122	SW8330	RDX	0.62		0.0281	0.25	UG/L
MW-143M2	20911	1/6/2005	117	122	SW8330	RDX	0.62		0.0281	0.25	UG/L
MW-143M2	24004	6/13/2005	117	122	SW8330	RDX	0.66		0.032	0.25	UG/L
MW-143M2	24829	7/28/2005	117	122	SW8330	RDX	0.71		0.032	0.25	UG/L
MW-143M2	26335	12/12/2005	117	122	SW8330	RDX	0.6	J	0.094	0.25	UG/L
MW-157M1	19295	10/8/2004	154	164	SW8330	RDX	1		0.0281	0.25	UG/L
MW-157M1	25161	9/21/2005	154	164	SW8330	RDX	0.96		0.032	0.25	UG/L
MW-157M1	25162 FD	9/21/2005	154	164	SW8330	RDX	1	J	0.032	0.25	UG/L
MW-163S	11967	2/13/2004	38	48	SW8330	RDX	2.4		0.0281	0.25	UG/L
MW-163S	14597	5/11/2004	38	48	SW8330	RDX	1.9		0.0281	0.25	UG/L
MW-163S	18589	10/1/2004	38	48	SW8330	RDX	8.7	J	0.0281	0.25	UG/L
MW-163S	22503	3/10/2005	38	48	SW8330	RDX	33		0.0562	0.5	UG/L
MW-163S	24321	6/8/2005	38	48	SW8330	RDX	26		0.064	0.5	UG/L
MW-163S	25743	11/9/2005	38	48	SW8330	RDX	15		0.094	0.25	UG/L
MW-163S	26797	3/13/2006	38	48	SW8330	RDX	11		0.094	0.25	UG/L
MW-163S	01789	9/6/2007	38	48	SW8330	RDX	1.81		0.0967	0.22	UG/L
MW-163S	MW-163S_FAL08	8/11/2008	38	48	SW8330	RDX	3.57		0.0917	0.208	UG/L
MW-163S	MW-163S_FAL08D	8/11/2008	38	48	SW8330	RDX	3.79		0.0926	0.21	UG/L
MW-163S	MW-163S_FAL09	9/21/2009	38	48	SW8330	RDX	4.38		0.0339	0.204	UG/L
MW-163S	MW-163S_FAL09D	9/21/2009	38	48	SW8330	RDX	4.74		0.0346	0.208	UG/L
MW-163S	MW-163S_F10	10/28/2010	38	48	SW8330	RDX	1.79		0.035	0.208	UG/L
MW-163S	MW-163S_F10D	10/28/2010	38	48	SW8330	RDX	1.55		0.034	0.206	UG/L
MW-163S	MW-163S_F11	10/6/2011	38	48	SW8330	RDX	1.54		0.034	0.204	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-3
J-3 Range Groundwater RDX Detections Greater than 0.6 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-163S	MW-163S_F12	7/26/2012	38	48	SW8330	RDX	1.62		0.034	0.206	UG/L
MW-163S	MW-163S_F13	7/30/2013	38	48	SW8330	RDX	1.13		0.034	0.206	UG/L
MW-171M2	21296	3/3/2005	81	86	SW8330	RDX	0.73	J	0.0281	0.25	UG/L
MW-171M2	24108	6/15/2005	81	86	SW8330	RDX	0.75	J	0.032	0.25	UG/L
MW-181S	22180	3/21/2005	32.25	42.25	SW8330	RDX	0.72	J	0.0281	0.25	UG/L
MW-181S	24345	6/16/2005	32.25	42.25	SW8330	RDX	0.6	J	0.032	0.25	UG/L
MW-193S	BG103	7/11/2002	31	36	SW8330	RDX	0.65		0.045	0.25	UG/L
MW-193S	11486	2/9/2004	31	36	SW8330	RDX	1		0.0281	0.25	UG/L
MW-193S	14926	5/18/2004	31	36	SW8330	RDX	0.8		0.0281	0.25	UG/L
MW-193S	18581	10/1/2004	31	36	SW8330	RDX	0.93		0.0281	0.25	UG/L
MW-193S	26810	3/8/2006	31	36	SW8330	RDX	8.3	J	0.094	0.25	UG/L
MW-193S	01793	9/24/2007	31	36	SW8330	RDX	1.3		0.0978	0.222	UG/L
MW-193S	01807 FD	9/24/2007	31	36	SW8330	RDX	1.37		0.0978	0.222	UG/L
MW-193S	MW-193S_FAL08	8/19/2008	31	36	SW8330	RDX	1.33		0.0956	0.217	UG/L
MW-193S	MW-193S_FAL09	9/29/2009	31	36	SW8330	RDX	2.15		0.0373	0.225	UG/L
MW-193S	MW-193S_F13	7/30/2013	32.5	37.5	SW8330	RDX	1.34		0.034	0.206	UG/L
MW-197M3	MW-197M3_F12	7/31/2012	60.2	65.2	SW8330	RDX	1.2		0.034	0.203	UG/L
MW-197M3	MW-197M3_F12D	7/31/2012	60.2	65.2	SW8330	RDX	0.968		0.034	0.203	UG/L
MW-198M2	11472	2/5/2004	120	125	SW8330	RDX	2.6		0.0281	0.25	UG/L
MW-198M2	14938	5/27/2004	120	125	SW8330	RDX	12		0.0281	0.25	UG/L
MW-198M2	19404	10/4/2004	120	125	SW8330	RDX	0.68		0.0281	0.25	UG/L
MW-198M2	21924	3/15/2005	120	125	SW8330	RDX	3.9		0.0281	0.25	UG/L
MW-198M2	25724	11/2/2005	120	125	SW8330	RDX	0.77	J	0.094	0.25	UG/L
MW-198M2	01799	9/25/2007	120	125	SW8330	RDX	11.2		0.0978	0.222	UG/L
MW-198M2	MW-198M2_FAL08	8/19/2008	120	125	SW8330	RDX	3.03		0.0978	0.222	UG/L
MW-198M2	MW-198M2_FAL08D	8/19/2008	120	125	SW8330	RDX	3.3		0.0936	0.213	UG/L
MW-198M3	11474	2/5/2004	100	105	SW8330	RDX	14		0.0281	0.25	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-3
J-3 Range Groundwater RDX Detections Greater than 0.6 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-198M3	14940	5/27/2004	100	105	SW8330	RDX	2.7		0.0281	0.25	UG/L
MW-198M3	19406	10/4/2004	100	105	SW8330	RDX	0.68		0.0281	0.25	UG/L
MW-198M3	21926	3/15/2005	100	105	SW8330	RDX	4.8		0.0281	0.25	UG/L
MW-198M3	24197	6/14/2005	100	105	SW8330	RDX	9.2	J	0.032	0.25	UG/L
MW-198M3	25725	10/20/2005	100	105	SW8330	RDX	9.4		0.094	0.25	UG/L
MW-198M3	01800	9/25/2007	100	105	SW8330	RDX	0.611		0.0936	0.213	UG/L
MW-198M3	MW-198M3-QA	9/25/2007	100	105	SW8330	RDX	1		0.053	0.25	UG/L
MW-198M4	11476	2/5/2004	70	75	SW8330	RDX	3.9		0.0281	0.25	UG/L
MW-198M4	14942	5/26/2004	70	75	SW8330	RDX	8.7		0.0281	0.25	UG/L
MW-198M4	21928	3/15/2005	70	75	SW8330	RDX	1.6		0.0281	0.25	UG/L
MW-198M4	24199	6/14/2005	70	75	SW8330	RDX	1.1		0.032	0.25	UG/L
MW-198M4	25726	10/20/2005	70	75	SW8330	RDX	1.1		0.094	0.25	UG/L
MW-198M4	26740	2/28/2006	70	75	SW8330	RDX	0.75		0.094	0.25	UG/L
MW-198M4	MW-198M4_F10	10/14/2010	70	75	SW8330	RDX	0.704		0.034	0.206	UG/L
MW-198M4	MW-198M4_F11	9/22/2011	70	75	SW8330	RDX	1.28		0.033	0.2	UG/L
MW-198M4	MW-198M4_F12	8/1/2012	70	75	SW8330	RDX	7.93		0.039	0.232	UG/L
MW-198M4	MW-198M4_F13	8/6/2013	70	75	SW8330	RDX	7.2		0.034	0.206	UG/L
MW-198M4	MW-198M4_F13D	8/6/2013	70	75	SW8330	RDX	7.54		0.034	0.206	UG/L
MW-217M1	11716	2/6/2004	148	153	SW8330	RDX	0.72	J	0.0281	0.25	UG/L
MW-217M1	12649	3/12/2004	148	153	SW8330	RDX	0.74	J	0.0281	0.25	UG/L
MW-217M1	14287	4/29/2004	148	153	SW8330	RDX	0.61	J	0.0281	0.25	UG/L
MW-217M1	18099	9/9/2004	148	153	SW8330	RDX	0.85	J	0.0281	0.25	UG/L
MW-217M1	21040	11/18/2004	148	153	SW8330	RDX	0.81	J	0.0281	0.25	UG/L
MW-217M1	24115	6/9/2005	148	153	SW8330	RDX	0.93	J	0.032	0.25	UG/L
MW-217M2	11718	2/3/2004	138	143	SW8330	RDX	0.8	J	0.0281	0.25	UG/L
MW-217M2	24117	6/9/2005	138	143	SW8330	RDX	0.92	J	0.032	0.25	UG/L
MW-218M2	11726	2/2/2004	98	103	SW8330	RDX	2.5		0.0281	0.25	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-3
J-3 Range Groundwater RDX Detections Greater than 0.6 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-218M2	12657	3/15/2004	98	103	SW8330	RDX	2.3		0.0281	0.25	UG/L
MW-218M2	14307	5/6/2004	98	103	SW8330	RDX	2.5		0.0281	0.25	UG/L
MW-218M2	18479	9/13/2004	98	103	SW8330	RDX	1.5		0.0281	0.25	UG/L
MW-218M2	21049	12/2/2004	98	103	SW8330	RDX	1.3	J	0.0281	0.25	UG/L
MW-218M3	11728	2/2/2004	78	83	SW8330	RDX	1.5	J	0.0281	0.25	UG/L
MW-218M3	12658	3/15/2004	78	83	SW8330	RDX	0.98	J	0.0281	0.25	UG/L
MW-218M3	15843	6/23/2004	78	83	SW8330	RDX	1	J	0.0281	0.25	UG/L
MW-218M3	18481	9/13/2004	78	83	SW8330	RDX	1.6		0.0281	0.25	UG/L
MW-218M3	21051	12/2/2004	78	83	SW8330	RDX	1.2	J	0.0281	0.25	UG/L
MW-218M3	21053 FD	12/2/2004	78	83	SW8330	RDX	1.1	J	0.0281	0.25	UG/L
MW-227M1	11706	2/3/2004	130	140	SW8330	RDX	3.1		0.0281	0.25	UG/L
MW-227M1	12665	3/16/2004	130	140	SW8330	RDX	3.7	J	0.0281	0.25	UG/L
MW-227M1	14745	5/13/2004	130	140	SW8330	RDX	6.5		0.0281	0.25	UG/L
MW-227M1	18798	9/21/2004	130	140	SW8330	RDX	14		0.0281	0.25	UG/L
MW-227M1	20925	11/18/2004	130	140	SW8330	RDX	12		0.0281	0.25	UG/L
MW-227M1	24326	6/6/2005	130	140	SW8330	RDX	9.2	J	0.032	0.25	UG/L
MW-227M1	24814	8/1/2005	130	140	SW8330	RDX	5.1	J	0.032	0.25	UG/L
MW-227M1	26130	11/29/2005	130	140	SW8330	RDX	2.6	J	0.094	0.25	UG/L
MW-227M2	11708	2/3/2004	110	120	SW8330	RDX	8.2		0.0281	0.25	UG/L
MW-227M2	12667	3/16/2004	110	120	SW8330	RDX	5.4		0.0281	0.25	UG/L
MW-227M2	14747	5/13/2004	110	120	SW8330	RDX	7.4		0.0281	0.25	UG/L
MW-227M2	18802	9/21/2004	110	120	SW8330	RDX	8.9		0.0281	0.25	UG/L
MW-227M2	20927	11/18/2004	110	120	SW8330	RDX	9.9		0.0281	0.25	UG/L
MW-227M2	24328	6/6/2005	110	120	SW8330	RDX	6.5	J	0.032	0.25	UG/L
MW-227M2	24815	8/1/2005	110	120	SW8330	RDX	9.6		0.032	0.25	UG/L
MW-227M2	26131	11/29/2005	110	120	SW8330	RDX	16		0.094	0.25	UG/L
MW-227M2	26132 FD	11/29/2005	110	120	SW8330	RDX	16		0.094	0.25	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-3
J-3 Range Groundwater RDX Detections Greater than 0.6 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-227M2	01810	9/13/2007	110	120	SW8330	RDX	37.6		0.1	0.227	UG/L
MW-227M2	MW-227M2_FAL08	7/29/2008	110	120	SW8330	RDX	36.8		0.468	1.06	UG/L
MW-227M2	MW-227M2_FAL08D	7/29/2008	110	120	SW8330	RDX	38.2		0.468	1.06	UG/L
MW-227M2	MW-227M2_FAL09QA	9/24/2009	110	120	SW8330	RDX	19		0.038	0.25	UG/L
MW-227M2	MW-227M2_FAL09D	9/24/2009	0	0	SW8330	RDX	20.3		0.0342	0.206	UG/L
MW-227M2	MW-227M2_FAL09	9/24/2009	110	120	SW8330	RDX	20.7		0.0342	0.206	UG/L
MW-227M2	MW-227M2_F10	10/7/2010	110	120	SW8330	RDX	6.55		0.034	0.206	UG/L
MW-227M2	MW-227M2_F10D	10/7/2010	110	120	SW8330	RDX	6.78		0.034	0.206	UG/L
MW-227M2	MW-227M2_F11	9/29/2011	110	120	SW8330	RDX	5.22		0.036	0.215	UG/L
MW-227M2	MW-227M2_F11D	9/29/2011	110	120	SW8330	RDX	5.46		0.037	0.225	UG/L
MW-227M2	MW-227M2_F12	8/8/2012	110	120	SW8330	RDX	5.38		0.034	0.203	UG/L
MW-227M2	MW-227M2_F12D	8/8/2012	110	120	SW8330	RDX	5.39		0.034	0.203	UG/L
MW-227M2	MW-227M2_F13	7/22/2013	110	120	SW8330	RDX	2.33		0.034	0.203	UG/L
MW-227M2	MW-227M2_F13D	7/22/2013	110	120	SW8330	RDX	2.58		0.034	0.203	UG/L
MW-232M1	25584	11/21/2005	77.5	82.5	SW8330	RDX	1.8	J	0.094	0.25	UG/L
MW-232M1	27191	5/31/2006	77.5	82.5	SW8330	RDX	5		0.094	0.25	UG/L
MW-232M1	1562	3/8/2007	77.5	82.5	SW8330	RDX	4.66		0.0615	0.275	UG/L
MW-247M1	26576	1/16/2006	180	190	SW8330	RDX	0.61		0.094	0.25	UG/L
MW-247M1	27166	5/18/2006	180	190	SW8330	RDX	0.7		0.094	0.25	UG/L
MW-247M2	13970	4/22/2004	125	135	SW8330	RDX	2.2		0.0281	0.25	UG/L
MW-247M2	14295	5/13/2004	125	135	SW8330	RDX	2.3		0.0281	0.25	UG/L
MW-247M2	18763	10/12/2004	125	135	SW8330	RDX	2.9		0.0281	0.25	UG/L
MW-247M2	21024	12/2/2004	125	135	SW8330	RDX	2.9		0.0281	0.25	UG/L
MW-247M2	26032	11/11/2005	125	135	SW8330	RDX	4.4		0.094	0.25	UG/L
MW-247M2	26577	1/16/2006	125	135	SW8330	RDX	4.5		0.094	0.25	UG/L
MW-247M3	24103	6/3/2005	95	105	SW8330	RDX	1.7		0.032	0.25	UG/L
MW-247M3	26033	11/19/2005	95	105	SW8330	RDX	3.1		0.094	0.25	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-3
J-3 Range Groundwater RDX Detections Greater than 0.6 ug/L

Location ID	Sample ID	Date Sampled	SBD (ft)	SED (ft)	Method	Analyte	Result	Qualifier	MDL	RL	Units
MW-247M3	26578	1/16/2006	95	105	SW8330	RDX	2.9		0.094	0.25	UG/L
MW-247M3	27167	5/30/2006	95	105	SW8330	RDX	1.2		0.094	0.25	UG/L
MW-250M2	MW-250M2_FAL09	10/8/2009	145	155	SW8330	RDX	1.78		0.0349	0.21	UG/L
MW-250M2	MW-250M2_F10	10/12/2010	145	155	SW8330	RDX	0.894		0.035	0.21	UG/L
MW-250M2	MW-250M2_F13	7/23/2013	145	155	SW8330	RDX	1.29		0.034	0.203	UG/L
MW-250M3	13984	4/22/2004	95	105	SW8330	RDX	0.62		0.0281	0.25	UG/L
MW-250M3	15067	5/19/2004	95	105	SW8330	RDX	0.7		0.0281	0.25	UG/L
MW-250M3	18732	10/12/2004	95	105	SW8330	RDX	0.68		0.0281	0.25	UG/L
MW-250M3	21032	12/2/2004	95	105	SW8330	RDX	0.71		0.0281	0.25	UG/L
MW-250M3	01834	9/11/2007	95	105	SW8330	RDX	0.771		0.0936	0.213	UG/L
MW-343M2	MW-343M2-	11/22/2004	167	172	SW8330	RDX	19		0.0281	0.25	UG/L
MW-343M2	MW-343M2-FD	11/22/2004	167	172	SW8330	RDX	18		0.0281	0.25	UG/L
MW-343M2	MW-343M2-	3/23/2005	166.82	171.82	SW8330	RDX	34		0.0562	0.5	UG/L
MW-343M2	MW-343M2-	7/18/2005	166.82	171.82	SW8330	RDX	35		0.064	0.5	UG/L
MW-343M2	26563	1/10/2006	167	172	SW8330	RDX	24		0.376	1	UG/L

SBD = Screen Beginning Depth
SED = Screen Ending Depth
J = Estimated Result

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0005	AQ661	05/23/2001	E314.0	Perchlorate	ND	U	1.5	5.0	UG/L
LKSNK0005	AQ659	05/23/2001	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	AQ880	06/06/2001	E314.0	Perchlorate	ND	UJ	1.5	5.0	UG/L
LKSNK0005	AQ878	06/06/2001	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	AR411	07/03/2001	E314.0	Perchlorate	ND	U	1.5	5.0	UG/L
LKSNK0005	AR176	07/03/2001	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	AR527	07/18/2001	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	AS376	08/17/2001	E314.0	Perchlorate	ND	U	1.5	5.0	UG/L
LKSNK0005	AS378	08/17/2001	E314.0	Perchlorate	ND	U	1.5	5.0	UG/L
LKSNK0005	AS372	08/17/2001	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	AS374	08/17/2001	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	AS756	08/29/2001	E314.0	Perchlorate	ND	U	1.5	5.0	UG/L
LKSNK0005	AS754	08/29/2001	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	AT050	09/19/2001	E314.0	Perchlorate	ND	U	1.5	5.0	UG/L
LKSNK0005	AS924	09/19/2001	SW8330	ND for 19 Analytes	ND	UJ	ND	0.25	UG/L
LKSNK0005	AW223	11/07/2001	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	AW226	11/07/2001	E314.0	Perchlorate	ND	U	0.85	5.0	UG/L
LKSNK0005	AX291	12/17/2001	E314.0	Perchlorate	ND	U	0.35	2.0	UG/L
LKSNK0005	AX292	12/17/2001	SW8330	ND for 19 Analytes	ND	UJ	ND	0.25	UG/L
LKSNK0005	AZ528	03/27/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	AZ527	03/27/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BA804	04/17/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	BA803	04/17/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BD958	05/22/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	BD957	05/22/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BE509	06/05/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	BE508	06/05/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BF190	06/17/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0005	BF192	06/17/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0005	BF189	06/17/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BF191	06/17/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BF933	07/02/2002	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0005	BF932	07/02/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BG341	07/17/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0005	BG340	07/17/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BG690	07/31/2002	E314.0	Perchlorate	ND	UJ	0.43	1.0	UG/L
LKSNK0005	BG689	07/31/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BH169	08/14/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	BH168	08/14/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BH643	08/28/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0005	BH642	08/28/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BI126	09/11/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BI128	09/11/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	BI127A	09/11/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	BI127B	09/11/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0005	BI129A	09/11/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	BI129B	09/11/2002	E314.0	Perchlorate	0.72	J	0.43	1.0	UG/L
LKSNK0005	03196	04/16/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0005	03197	04/16/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	04439	05/15/2003	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0005	04440	05/15/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	04950	05/27/2003	E314.0	Perchlorate	0.67	J	0.35	1.0	UG/L
LKSNK0005	04951	05/27/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	05309	06/10/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	05310	06/10/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	05955	06/24/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	06185	07/08/2003	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0005	06186	07/08/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	06376	07/22/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	06377	07/22/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	06559	08/05/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	06560	08/05/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	06898	08/19/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	06899	08/19/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	07139	09/03/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	07140	09/03/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	08811	10/14/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	08812	10/14/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	09516	11/04/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	09517	11/04/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	13867	04/19/2004	E314.0	Perchlorate	ND	U	0.0000	0.0000	UG/L
LKSNK0005	13868	04/19/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	14782	05/17/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	14783	05/17/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	15360	06/02/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	15361	06/02/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	15670	06/14/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0005	15671	06/14/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	15949	06/28/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	15950	06/28/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	16195	07/12/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	16196	07/12/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	16400	07/26/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	16401	07/26/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	16733	08/09/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0005	16734	08/09/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	17339	08/27/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	17340	08/27/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	18027	09/07/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0005	18028	09/07/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	19604	10/11/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0005	19605	10/11/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	20541	11/11/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	20542	11/11/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	23472	05/06/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	23473	05/06/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0005	24206	06/02/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	24207	06/02/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	24475	06/16/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	24476	06/16/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	24487	06/27/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	24488	06/27/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	24652	07/15/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	24652	07/15/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	24867	07/29/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	24867	07/29/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	25055	08/12/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	25055	08/12/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	25266	08/26/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	25266	08/26/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	25516	09/16/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	25516	09/16/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	25853	10/14/2005	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0005	25853	10/14/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	26104	11/18/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	26104	11/18/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	26990	04/11/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	26990	04/11/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27127	05/09/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	27127	05/09/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27181	05/18/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	27181	05/18/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27208	06/06/2006	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0005	27208	06/06/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27272	06/20/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	27272	06/20/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27282	07/05/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	27282	07/05/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27285	07/18/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	27285	07/18/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27288	08/01/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	27288	08/01/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27291	08/15/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	27291	08/15/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27294	09/05/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	27294	09/05/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27395	10/03/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	27395	10/03/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	27560	11/08/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	27560	11/08/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	04/23/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	04/23/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	05/22/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	05/22/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0005	LKSNK0005	06/04/2007	E331.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	06/04/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	06/22/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	06/22/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	07/03/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005_FD	07/03/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	07/03/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_FD	07/03/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	07/19/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	07/19/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	08/08/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	08/08/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	08/21/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	08/21/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	08/31/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	08/31/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	09/13/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	09/13/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	10/12/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	10/12/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005	11/07/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005	11/07/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0408	04/21/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005_0408	04/21/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0508	05/28/2008	SW6850	Perchlorate	ND	U	0.30	1.0	UG/L
LKSNK0005	LKSNK0005_0508	05/28/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0608A	06/11/2008	SW6850	Perchlorate	ND	U	0.30	1.0	UG/L
LKSNK0005	LKSNK0005_0608A	06/11/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0608B	06/25/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005_0608B	06/25/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0708A	07/09/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005_0708A_FD	07/09/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005_0708A	07/09/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0708A_FD	07/09/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0708B	07/22/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005_0708B	07/22/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0808A	08/06/2008	E331.0	Perchlorate	ND	U	0.22	1.0	UG/L
LKSNK0005	LKSNK0005_0808A	08/06/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0808B	08/20/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005_0808B	08/20/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0908A	09/04/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005_0908A	09/04/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_0908B	09/19/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005_0908B	09/19/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_1008	10/10/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0005	LKSNK0005_1008	10/10/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_1108	11/05/2008	SW6850	Perchlorate	ND	U	0.20	1.0	UG/L
LKSNK0005	LKSNK0005_1108	11/05/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0005	LKSNK0005_APR09	04/28/2009	SW6850	Perchlorate	0.052	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_APR09	04/28/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_MAY09	05/26/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_MAY09	05/26/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUN09A	06/11/2009	SW6850	Perchlorate	0.091	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUN09A	06/11/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUN09B	06/24/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUN09B	06/24/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUL09A	07/07/2009	SW6850	Perchlorate	0.060	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUL09A	07/07/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUL09B	07/21/2009	SW6850	Perchlorate	0.049	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUL09BD	07/21/2009	SW6850	Perchlorate	0.041	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUL09B	07/21/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUL09BD	07/21/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUL09C	08/04/2009	SW6850	Perchlorate	0.063	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUL09C	08/04/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_AUG09A	08/18/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_AUG09A	08/18/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_AUG09B	09/03/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_AUG09B	09/03/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_SEP09	09/18/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_SEP09	09/18/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_OCT09	10/21/2009	SW6850	Perchlorate	0.052	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_OCT09	10/21/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_NOV09	11/10/2009	SW6850	Perchlorate	0.055	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_NOV09	11/10/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_APR10	04/30/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_APR10	04/30/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_MAY10	05/26/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_MAY10	05/26/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUN10A	06/24/2010	SW6850	Perchlorate	0.057	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUN10A	06/24/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUL10A	07/06/2010	SW6850	Perchlorate	0.052	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUL10A	07/06/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUL10B	07/20/2010	SW6850	Perchlorate	0.062	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUL10B	07/20/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUN10B	08/03/2010	SW6850	Perchlorate	0.059	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUN10BD	08/03/2010	SW6850	Perchlorate	0.062	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_JUN10B	08/03/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUN10BD	08/03/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_AUG10A	08/18/2010	SW6850	Perchlorate	0.043	J	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_AUG10A	08/18/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_AUG10C	09/16/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_AUG10C	09/16/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_SEP10	09/30/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_SEP10	09/30/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_OCT10	10/18/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_OCT10	10/18/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0005	LKSNK0005_NOV10	11/02/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0005	LKSNK0005_NOV10	11/02/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_APR11	04/08/2011	SW6850	Perchlorate	ND	U	0.015	0.20	UG/L
LKSNK0005	LKSNK0005_APR11	04/08/2011	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_MAY11	05/25/2011	SW6850	Perchlorate	ND	U	0.015	0.20	UG/L
LKSNK0005	LKSNK0005_MAY11	05/25/2011	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUL11A	07/21/2011	SW6850	Perchlorate	ND	U	0.015	0.20	UG/L
LKSNK0005	LKSNK0005_JUL11A	07/21/2011	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_MAY12	05/25/2012	SW6850	Perchlorate	0.041	J	0.015	0.20	UG/L
LKSNK0005	LKSNK0005_MAY12	05/25/2012	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_JUL12	07/23/2012	SW6850	Perchlorate	0.041	J	0.015	0.20	UG/L
LKSNK0005	LKSNK0005_JUL12	07/23/2012	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0005	LKSNK0005_M13	05/22/2013	SW6860	Perchlorate	0.032	J	0.011	0.050	UG/L
LKSNK0005	LKSNK0005_M13	05/22/2013	SW6860	Perchlorate	0.033	J	0.011	0.050	UG/L
LKSNK0005	LKSNK0005_M13	05/22/2013	SW8330	ND for 19 Analytes	ND	UJ	ND	0.25	UG/L
LKSNK0005	LKSNK0005_J13	07/30/2013	SW6860	Perchlorate	0.029	J	0.011	0.050	UG/L
LKSNK0005	LKSNK0005_J13	07/30/2013	SW8330	ND for 19 Analytes	ND	UJ	ND	0.25	UG/L
LKSNK0006	AX630	01/17/2002	E314.0	Perchlorate	ND	U	0.35	2.0	UG/L
LKSNK0006	AX629	01/17/2002	SW8330	ND for 22 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	BA806	04/17/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	BA805	04/17/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	BF935	07/02/2002	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0006	BF934	07/02/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	BG343	07/17/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0006	BG342	07/17/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	BG692	07/31/2002	E314.0	Perchlorate	ND	UJ	0.43	1.0	UG/L
LKSNK0006	BG691	07/31/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	BH170	08/14/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	BH171	08/14/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	BH645	08/28/2002	E314.0	Perchlorate	ND	UJ	0.43	1.0	UG/L
LKSNK0006	BH644	08/28/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	BI131	09/11/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0006	BI130	09/11/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	03198	04/16/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	03202	04/16/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	03199	04/16/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	03203	04/16/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	04441	05/15/2003	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0006	04442	05/15/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	04952	05/27/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	04953	05/27/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	05311	06/10/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	05312	06/10/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	05957	06/24/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	06187	07/08/2003	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0006	06188	07/08/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	06378	07/22/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	06379	07/22/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0006	06561	08/05/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	06562	08/05/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	06900	08/19/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	06901	08/19/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	07141	09/03/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	07142	09/03/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	08813	10/14/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	08814	10/14/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	09518	11/04/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	09519	11/04/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	13869	04/19/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	13870	04/19/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	14784	05/17/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	14788	05/17/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	14785	05/17/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	14789	05/17/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	15362	06/02/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	15363	06/02/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	15672	06/14/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0006	15673	06/14/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	15951	06/28/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	15952	06/28/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	16197	07/12/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	16198	07/12/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	16402	07/26/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	16403	07/26/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	16735	08/09/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0006	16736	08/09/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	17341	08/27/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	17342	08/27/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	18029	09/07/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0006	18030	09/07/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	19606	10/11/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0006	19607	10/11/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	20543	11/11/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	20544	11/11/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	23474	05/06/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	23475	05/06/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	24208	06/02/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	24209	06/02/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	24477	06/16/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	24478	06/16/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	24489	06/27/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	24490	06/27/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	24653	07/15/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	24653	07/15/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	24868	07/29/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	24868	07/29/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0006	25056	08/12/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	25056	08/12/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	25267	08/26/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	25267	08/26/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	25517	09/16/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	25517	09/16/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	25854	10/14/2005	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0006	25854	10/14/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	26105	11/18/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	26105	11/18/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	26991	04/11/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	26991	04/11/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27128	05/09/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	27128	05/09/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27182	05/18/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	27182	05/18/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27209	06/06/2006	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0006	27209	06/06/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27273	06/20/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	27273	06/20/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27283	07/05/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	27283	07/05/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27286	07/18/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	27286	07/18/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27289	08/01/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	27289	08/01/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27292	08/15/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	27292	08/15/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27295	09/05/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	27295	09/05/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27396	10/03/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	27396	10/03/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	27561	11/08/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	27561	11/08/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	04/23/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	04/23/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	05/22/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	05/22/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	06/04/2007	E331.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	06/04/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	06/22/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	06/22/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	07/03/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_FD	07/03/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	07/03/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_FD	07/03/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	07/19/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	07/19/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0006	LKSNK0006	08/08/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	08/08/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	08/21/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	08/21/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	08/31/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	08/31/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	09/13/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	09/13/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	10/12/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006	10/12/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006	11/07/2007	E314.0	Perchlorate	ND	U	0.46	1.0	UG/L
LKSNK0006	LKSNK0006	11/07/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0408	04/21/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_0408	04/21/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0508	05/28/2008	SW6850	Perchlorate	ND	U	0.30	1.0	UG/L
LKSNK0006	LKSNK0006_0508	05/28/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0608A	06/11/2008	SW6850	Perchlorate	ND	U	0.30	1.0	UG/L
LKSNK0006	LKSNK0006_0608A	06/11/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0608B	06/25/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_0608B	06/25/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0708A	07/09/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_0708A	07/09/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0708B	07/22/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_0708B	07/22/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0808A	08/06/2008	E331.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_0808A	08/06/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0808B	08/20/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_0808B	08/20/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0908A	09/04/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_0908A	09/04/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0908B	09/19/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_0908BD	09/19/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_0908B	09/19/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_0908BD	09/19/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_1008	10/10/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0006	LKSNK0006_1008	10/10/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_1108	11/05/2008	SW6850	Perchlorate	ND	U	0.20	1.0	UG/L
LKSNK0006	LKSNK0006_1108	11/05/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_APR09	04/28/2009	SW6850	Perchlorate	0.048	J	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_APR09	04/28/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_MAY09	05/26/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_MAY09	05/26/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUN09A	06/11/2009	SW6850	Perchlorate	0.049	J	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_JUN09A	06/11/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUN09B	06/24/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_JUN09B	06/24/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUL09A	07/07/2009	SW6850	Perchlorate	0.051	J	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_JUL09A	07/07/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0006	LKSNK0006_JUL09B	07/21/2009	SW6850	Perchlorate	0.093	J	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_JUL09B	07/21/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUL09C	08/04/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_JUL09CD	08/04/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_JUL09C	08/04/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUL09CD	08/04/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_AUG09A	08/18/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_AUG09A	08/18/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_AUG09B	09/03/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_AUG09B	09/03/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_SEP09	09/18/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_SEP09	09/18/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_OCT09	10/21/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_OCT09	10/21/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_NOV09	11/10/2009	SW6850	Perchlorate	0.11	J	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_NOV09	11/10/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_APR10	04/30/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_APR10	04/30/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_MAY10	05/26/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_MAY10	05/26/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUN10A	06/24/2010	SW6850	Perchlorate	0.051	J	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_JUN10A	06/24/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUL10A	07/06/2010	SW6850	Perchlorate	0.072	J	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_JUL10A	07/06/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUL10B	07/20/2010	SW6850	Perchlorate	0.076	J	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_JUL10B	07/20/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUN10B	08/03/2010	SW6850	Perchlorate	0.047	J	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_JUN10B	08/03/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_AUG10A	08/18/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_AUG10A	08/18/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_AUG10C	09/16/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_AUG10C	09/16/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_SEP10	09/30/2010	SW6850	Perchlorate	0.043	J	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_SEP10	09/30/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_OCT10	10/18/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_OCT10	10/18/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_NOV10	11/02/2010	SW6850	Perchlorate	ND	UJ	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_NOV10D	11/02/2010	SW6850	Perchlorate	ND	UJ	0.040	0.20	UG/L
LKSNK0006	LKSNK0006_NOV10	11/02/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_NOV10D	11/02/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_APR11	04/08/2011	SW6850	Perchlorate	ND	U	0.015	0.20	UG/L
LKSNK0006	LKSNK0006_APR11	04/08/2011	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_MAY11	05/25/2011	SW6850	Perchlorate	ND	U	0.015	0.20	UG/L
LKSNK0006	LKSNK0006_MAY11	05/25/2011	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUL11A	07/21/2011	SW6850	Perchlorate	ND	U	0.015	0.20	UG/L
LKSNK0006	LKSNK0006_JUL11A	07/21/2011	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_MAY12	05/25/2012	SW6850	Perchlorate	ND	U	0.015	0.20	UG/L
LKSNK0006	LKSNK0006_MAY12D	05/25/2012	SW6850	Perchlorate	ND	U	0.015	0.20	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0006	LKSNK0006_MAY12	05/25/2012	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_MAY12D	05/25/2012	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_JUL12	07/23/2012	SW6850	Perchlorate	0.042	J	0.015	0.20	UG/L
LKSNK0006	LKSNK0006_JUL12	07/23/2012	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0006	LKSNK0006_M13	05/22/2013	SW6860	Perchlorate	0.034	J	0.011	0.050	UG/L
LKSNK0006	LKSNK0006_M13	05/22/2013	SW8330	ND for 19 Analytes	ND	UJ	ND	0.25	UG/L
LKSNK0006	LKSNK0006_J13	07/30/2013	SW6860	Perchlorate	0.029	J	0.011	0.050	UG/L
LKSNK0006	LKSNK0006_J13	07/30/2013	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	AZ530	03/27/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	AZ529	03/27/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BA808	04/17/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	BA810	04/17/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	BA807	04/17/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BA809	04/17/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BD960	05/22/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	BD959	05/22/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BE511	06/05/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	BE510	06/05/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BF194	06/17/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0007	BF193	06/17/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BF937	07/02/2002	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0007	BF939	07/02/2002	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0007	BF936	07/02/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BF938	07/02/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BG345	07/17/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0007	BG344	07/17/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BG693	07/31/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BG694	07/31/2002	E314.0	Perchlorate	ND	UJ	0.43	1.0	UG/L
LKSNK0007	BH173	08/14/2002	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	BH172	08/14/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BH647	08/28/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0007	BH646	08/28/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	BI133	09/11/2002	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0007	BI132	09/11/2002	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	03200	04/16/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	03201	04/16/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	04443	05/15/2003	E314.0	Perchlorate	ND	U	0.43	1.0	UG/L
LKSNK0007	04444	05/15/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	04954	05/27/2003	E314.0	Perchlorate	0.46	J	0.35	1.0	UG/L
LKSNK0007	04955	05/27/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	05313	06/10/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	05314	06/10/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	05960	06/24/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	05959	06/24/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	06189	07/08/2003	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0007	06190	07/08/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	06380	07/22/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	06381	07/22/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0007	06563	08/05/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	06564	08/05/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	06902	08/19/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	06903	08/19/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	07143	09/03/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	07144	09/03/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	08815	10/14/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	08816	10/14/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	09520	11/04/2003	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	09521	11/04/2003	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	13871	04/19/2004	E314.0	Perchlorate	ND	U	0.0000	0.0000	UG/L
LKSNK0007	13872	04/19/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	14786	05/17/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	14787	05/17/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	15364	06/02/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	15365	06/02/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	15674	06/14/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0007	15675	06/14/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	15953	06/28/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	15954	06/28/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	16199	07/12/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	16200	07/12/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	16404	07/26/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	16405	07/26/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	16737	08/09/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0007	16738	08/09/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	17344	08/27/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	17343	08/27/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	18031	09/07/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0007	18032	09/07/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	19602	10/11/2004	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0007	19603	10/11/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	20539	11/11/2004	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	20540	11/11/2004	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	23476	05/06/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	23477	05/06/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	24210	06/02/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	24211	06/02/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	24479	06/16/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	24480	06/16/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	24491	06/27/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	24492	06/27/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	24654	07/15/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	24654	07/15/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	24869	07/29/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	24869	07/29/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	25057	08/12/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	25057	08/12/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0007	25268	08/26/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	25268	08/26/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	25518	09/16/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	25518	09/16/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	25855	10/14/2005	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0007	25855	10/14/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	26106	11/18/2005	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	26106	11/18/2005	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	26992	04/11/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	26992	04/11/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27129	05/09/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	27129	05/09/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27183	05/18/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	27183	05/18/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27210	06/06/2006	E314.0	Perchlorate	ND	UJ	0.35	1.0	UG/L
LKSNK0007	27210	06/06/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27274	06/20/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	27274	06/20/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27284	07/05/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	27284	07/05/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27287	07/18/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	27287	07/18/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27290	08/01/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	27290	08/01/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27293	08/15/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	27293	08/15/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27296	09/05/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	27296	09/05/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27397	10/03/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	27397	10/03/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	27562	11/08/2006	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	27562	11/08/2006	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	04/23/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	04/23/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	05/22/2007	E314.0	Perchlorate	ND	U	0.39	1.0	UG/L
LKSNK0007	LKSNK0007	05/22/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	06/04/2007	E331.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	06/04/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	06/22/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	06/22/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	07/03/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007_FD	07/03/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	07/03/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_FD	07/03/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	07/19/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	07/19/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	08/08/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	08/08/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0007	LKSNK0007	08/21/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	08/21/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	08/31/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	08/31/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	09/13/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	09/13/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	10/12/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	10/12/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007	11/07/2007	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007	11/07/2007	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0408	04/21/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007_0408	04/21/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0508	05/28/2008	SW6850	Perchlorate	ND	U	0.30	1.0	UG/L
LKSNK0007	LKSNK0007_0508	05/28/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0608A	06/11/2008	SW6850	Perchlorate	ND	U	0.30	1.0	UG/L
LKSNK0007	LKSNK0007_0608A	06/11/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0608B	06/25/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007_0608B	06/25/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0708A	07/09/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007_0708A	07/09/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0708B	07/22/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007_0708B	07/22/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0808A	08/06/2008	E331.0	Perchlorate	ND	U	0.30	1.0	UG/L
LKSNK0007	LKSNK0007_0808A	08/06/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0808B	08/20/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007_0808BD	08/20/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007_0808B	08/20/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0808BD	08/20/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0908A	09/04/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007_0908A	09/04/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_0908B	09/19/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007_0908B	09/19/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_1008	10/10/2008	E314.0	Perchlorate	ND	U	0.35	1.0	UG/L
LKSNK0007	LKSNK0007_1008	10/10/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_1108	11/05/2008	SW6850	Perchlorate	ND	U	0.20	1.0	UG/L
LKSNK0007	LKSNK0007_1108	11/05/2008	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_APR09	04/28/2009	SW6850	Perchlorate	0.045	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_APR09	04/28/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_MAY09	05/26/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_MAY09	05/26/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_JUN09A	06/11/2009	SW6850	Perchlorate	0.059	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_JUN09AD	06/11/2009	SW6850	Perchlorate	0.042	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_JUN09A	06/11/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_JUN09AD	06/11/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_JUN09B	06/24/2009	SW6850	Perchlorate	0.041	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_JUN09B	06/24/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_JUL09A	07/07/2009	SW6850	Perchlorate	0.048	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_JUL09A	07/07/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 3-4
J-3 Range Snake Pond Surface Water Samples
Explosives and Perchlorate Results Summary

Location ID	Sample ID	Date Sampled	Method	Analyte	Result	Qualifier	MDL	RL	Units
LKSNK0007	LKSNK0007_JUL09B	07/21/2009	SW6850	Perchlorate	0.049	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_JUL09B	07/21/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_JUL09C	08/04/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_JUL09C	08/04/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_AUG09A	08/18/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_AUG09A	08/18/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_AUG09B	09/03/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_AUG09B	09/03/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_SEP09	09/18/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_SEP09	09/18/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_OCT09	10/21/2009	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_OCT09	10/21/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_NOV09	11/10/2009	SW6850	Perchlorate	0.067	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_NOV09	11/10/2009	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_APR10	04/30/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_APR10	04/30/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_MAY10	05/26/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_MAY10	05/26/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_JUN10A	06/24/2010	SW6850	Perchlorate	0.061	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_JUN10A	06/24/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_JUL10A	07/06/2010	SW6850	Perchlorate	0.087	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_JUL10A	07/06/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_JUL10B	07/20/2010	SW6850	Perchlorate	0.058	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_JUL10B	07/20/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_JUN10B	08/03/2010	SW6850	Perchlorate	0.053	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_JUN10B	08/03/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_AUG10A	08/18/2010	SW6850	Perchlorate	0.041	J	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_AUG10A	08/18/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_AUG10C	09/16/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_AUG10C	09/16/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_SEP10	09/30/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_SEP10	09/30/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_OCT10	10/18/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_OCT10	10/18/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_NOV10	11/02/2010	SW6850	Perchlorate	ND	U	0.040	0.20	UG/L
LKSNK0007	LKSNK0007_NOV10	11/02/2010	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_MAY12	05/25/2012	SW6850	Perchlorate	ND	U	0.015	0.20	UG/L
LKSNK0007	LKSNK0007_MAY12	05/25/2012	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_JUL12	07/23/2012	SW6850	Perchlorate	0.068	J	0.015	0.20	UG/L
LKSNK0007	LKSNK0007_JUL12	07/23/2012	SW8330	ND for 19 Analytes	ND	U	ND	0.25	UG/L
LKSNK0007	LKSNK0007_M13	05/22/2013	SW6860	Perchlorate	0.034	J	0.011	0.050	UG/L
LKSNK0007	LKSNK0007_M13	05/22/2013	SW8330	ND for 19 Analytes	ND	UJ	ND	0.25	UG/L
LKSNK0007	LKSNK0007_J13	07/30/2013	SW6860	Perchlorate	0.032	J	0.011	0.050	UG/L
LKSNK0007	LKSNK0007_J13	07/30/2013	SW8330	ND for 19 Analytes	ND	UJ	ND	0.25	UG/L

ND/U = Non-detect
ND/UJ = Estimated Non-detect
J = Estimated Result less than the RL

MDL = Method Detection Limit
RL = Reporting Limit
ug/L = microgram per liter

TABLE 4-1
Summary of Soil/Intrusive Investigations and Removal Actions

Grid/ Location	Figure	Study Area						MD	RRD	Munitions	Soil Quantity Removed (cy)	Soil Samples Collected (Excl. BIPs)	Comments
		Area 1	Area 2	Area 3	Area 4	Area 5	Area 6						
Significant Pre-Investigation Findings													
Textron Drum Removal Operation				X					X		3	Yes	Harding ESE, Inc Report 2002- 18 crushed drums and steel target plate removed. Wipe samples collected. Soil disposed of offsite.
Textron Target Wall and Block Removal				X								Yes	MACTEC Report 2004. Also Minuteman 1 Test Area investigated and sampled.
GPR Investigation				X				X	X			Yes	Two trenches and one location investigated. Small MD burial was discoved at single GPR location in Grid D6. Sample collected from base and spoils pile.
MSP Phase I (Barrage Rocket Area)							X	X	X	X		No	Ten 30m x 30m grids investigated. Eight 4.5" Barrage Rockets HE and one 81mm HE discovered.
Road Clearance		X	X	X	X	X	X	X	X	X		No	
Munition Survey Program Phase III Polygon Investigations													
MSP III Investigation													
J3P-1			X						X			No	
J3P-2			X					X	X			Yes	One burial pit (no samples collected). Pre-investigation soil samples collected by AMEC
J3P-3			X						X			Yes	Pre-investigation soil samples collected by AMEC
J3P-4				X								No	Excavated by Textron Systems Corporation under Drum Removal Operation (soil and wipe samples collected)
J3P-5					X							No	Corrugated Metal Pipe
J3P-6					X			X		X		No	
J3P-7					X			X				No	
J3P-8					X			X		X		No	
J3P-9					X			X				No	
J3P-10					X			X		X		No	
J3P-11					X				X			Yes	Pre-investigation soil samples collected by AMEC
J3P-12					X			X	X			Yes	Pre-investigation soil samples collected by AMEC
Hillside Schonstedt Investigation													
Grid C1						X			X			No	
Grid B2						X		X				No	
Grid C2						X			X			No	
Grid D2						X			X			No	
Grid D3						X		X				No	
Grid D5						X			X			No	
Grid F5						X		X				No	
Grid G5						X		X				No	
Grid C6						X		X				No	
Grid E6						X		X				No	

BIP = Blow-in-Place
MD = Munition Debris
RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-1
Summary of Soil/Intrusive Investigations and Removal Actions

Grid/ Location	Figure	Study Area						MD	RRD	Munitions	Soil Quantity Removed (cy)	Soil Samples Collected (Excl. BIPs)	Comments
		Area 1	Area 2	Area 3	Area 4	Area 5	Area 6						
Grid F6						X		X				No	
Grid G6						X		X				No	
Grid D7						X		X		X		No	
Grid E7						X		X				No	
Grid G7						X		X				No	
Grid H7						X		X				No	
Grid B8						X		X				No	
Grid E8						X		X				No	
Grid G8						X		X				No	
Grid H8						X		X				No	
Grid I8						X		X				No	
Grid H9						X		X				No	
Grid I9						X		X				No	
Grid F10						X		X				No	
Grid G10						X			X			No	
Grid H10						X			X			No	
Grid I10						X		X	X			No	
Grid D11						X			X			No	
Grid E11						X			X			No	
Grid F11						X			X			No	
Grid G11						X			X			No	
Grid I11						X			X			No	
Grid J11						X		X				No	
Grid E12						X			X			No	
Grid F12						X		X				No	
Grid G12						X			X			No	
Grid H12						X		X	X			No	
Grid I12						X		X				No	
Grid E13						X		X				No	
Grid F13						X		X				No	
Grid G13						X			X			No	
Grid J13						X		X				No	
Grid H15						X		X				No	
Grid J15						X		X				No	
Grid G16						X		X				No	
Grid I16						X		X				No	
Grid J16						X		X				No	

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TABLE 4-1
Summary of Soil/Intrusive Investigations and Removal Actions

Grid/ Location	Figure	Study Area						MD	RRD	Munitions	Soil Quantity Removed (cy)	Soil Samples Collected (Excl. BIPs)	Comments
		Area 1	Area 2	Area 3	Area 4	Area 5	Area 6						
Supplemental Geophysical Anomaly Investigations													
Hillside Investigation													
Support Areas						X						Yes	83 pre-investigation soil samples collected at 21 locations by AMEC in 2003.
Grid F-12						X			X			No	
Grid G-11						X		X	X			No	
Grid F-11						X		X	X			No	
Grid J-11						X		X	X			No	
Grid I-10						X		X				No	
Grid J-10						X			X			No	
Grid I-9						X		X	X			No	
Grid H-8						X		X				No	
Grid G-7						X		X	X			No	
Grid G-6						X		X				No	
Grid D-4						X			X			No	
Barrage Investigation													
Support Areas							X					Yes	Soil samples collected at 28 locations by ECC in 2003.
Transect 1							X	X				No	
Transect 2							X	X				No	
Transect 4							X	X				No	
Transect 7							X	X				No	
Transect 9							X	X				No	
Transect 11							X	X				No	
Transect 12							X	X				No	
Transect 16							X	X				No	
Transect 18							X	X				No	
Transect 19							X	X				No	
Pyrophoric Flare Area													
					X								No items found
Polygon 46 Investigation													
Polygon 46			X						X			No	Two concrete blocks removed.
J-3 North of Demolition Area													
Support Areas							X	X	X	X		Yes	Pre-investigation Soil Samples (6) collected at Locations L-2 (SSJ3NDA03), L-3 (SSJ3NDA01), L-5 (SSJ3NDA05), L-6 (SSJ3NDA04), L-7 (SSJ3NDA02), and L-10 (SSJ3NDA06).

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TABLE 4-1
Summary of Soil/Intrusive Investigations and Removal Actions

Grid/ Location	Figure	Study Area						MD	RRD	Munitions	Soil Quantity Removed (cy)	Soil Samples Collected (Excl. BIPs)	Comments
		Area 1	Area 2	Area 3	Area 4	Area 5	Area 6						
L-1				X					X			Yes	Soil sample collected under deteriorated drum.
L-2				X				X	X			No	
L-3				X				X	X			No	
L-4				X				X	X			No	
L-5				X				X	X	X		Yes	MEC Burial Pit D6-BLP-001
L-6				X				X	X			No	
L-7				X				X	X			No	
L-8				X				X	X			No	
L-9				X						X		No	90mm HE
L-10				X				X	X			No	Path cleared to Location- found MEC item (81mm Mortar HE).
L-11				X				X				No	
L-12				X				X	X			No	
L-13				X					X			No	Concrete left in place
Aerial Photo Assessment Investigation													
J-3 Mound		X						X	X				
J-3 Mound Access Road		X							X	X			
J-3 Type 'C'		X						X	X				
J-3 Type 'E'		X						X	X	X			
J-3 Range Barrage Rocket Additional Characterization													
Schonstedt Targets Transect #1							X	X		X		No	
Schonstedt Targets Transect #2							X	X				No	
Schonstedt Targets Transect #3							X	X		X		No	
Reconn Transect Ext #3							X	X		X		No	
Reconn Transect Ext #7							X	X				No	
Reconn Transect Ext #8							X	X				No	
Reconn Transect Ext #21							X	X				No	
Reconn Northern Transect							X	X				No	
Southern Grid #1							X	X				No	
Southern Grid #2							X	X				No	
Transect #1							X	X				No	
Transect #2							X	X				No	
Transect #3							X	X		X		No	
Transect #4							X	X				No	
Transect #5							X					No	Well Pad - previously removed
Transect #6							X	X				No	
Transect #7							X	X				No	
Transect #8							X	X				No	
Transect #9							X	X				No	

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cy - cubic yard(s)

TABLE 4-1
Summary of Soil/Intrusive Investigations and Removal Actions

Grid/ Location	Figure	Study Area						MD	RRD	Munitions	Soil Quantity Removed (cy)	Soil Samples Collected (Excl. BIPs)	Comments
		Area 1	Area 2	Area 3	Area 4	Area 5	Area 6						
Transect #10							X	X				No	
Transect #11							X	X				No	
Transect #12							X	X				No	
Transect #13							X	X				No	
Transect #14							X	X				No	
Transect #15							X		X			No	
Transect #16							X	X	X			No	
Transect #17							X	X		X		No	
Transect #18							X			X		No	
Transect #19							X	X	X	X		No	
Transect #21							X	X				No	
Zone 2							X	X	X			No	
Zone 3							X	X				No	
J-3 Range Delineation Investigation													
Transect Characterization													
Transect #4							X	X				No	
Transect #5							X	X		X		No	
Transect #6							X	X		X		No	
Transect #7							X	X		X		No	
Transect #8							X	X		X		No	
Transect #9							X	X		X		No	
Transect #10							X	X		X		No	
Transect #11							X	X				No	
Transect #12							X	X		X		No	
Transect #13							X	X		X		No	
Transect #14							X	X				No	
Transect #15							X	X				No	
Transect #16							X	X				No	
Transect #17							X	X				No	
Transect #18							X	X				No	
Transect #19							X	X				No	
Transect #20							X	X				No	
Transect #21							X	X				No	
Transect #22							X	X				No	
Transect #23							X	X				No	
Transect #24							X	X				No	
Transect #25							X	X				No	
Transect #26							X	X				No	
Transect #27							X	X				No	

BIP = Blow-in-Place
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RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-1
Summary of Soil/Intrusive Investigations and Removal Actions

Grid/ Location	Figure	Study Area						MD	RRD	Munitions	Soil Quantity Removed (cy)	Soil Samples Collected (Excl. BIPs)	Comments
		Area 1	Area 2	Area 3	Area 4	Area 5	Area 6						
Transect #28							X	X				No	
Transect #29 (Firebreak)							X	X		X		No	
J-3 RRA Clearance Support													
Demolition Area Grid A-5				X				X	X	X		No	
Demolition Area Grid A-6				X				X	X			No	
Demolition Area Grid A-8				X				X	X			No	
Demolition Area Grid B-5				X				X	X	X		No	
Demolition Area Grid B-6				X				X	X	X		No	
Demolition Area Grid B-7				X				X	X	X		Yes	Sample collected from under drum carcass
Demolition Area Grid B-8				X				X	X			No	
Demolition Area Grid C-5				X				X	X	X		No	
Demolition Area Grid C-6				X				X	X	X	2	Yes	One burn pit. Soil disposed of offsite.
Demolition Area Grid C-7				X				X	X	X		No	
Demolition Area Grid D-6				X				X	X	X		No	Three small burial pits
J-3 Melt/Pour Building Area		X						X	X	X		No	
J-3 Range Barrage Rocket Intrusive Investigation													
Schonstedt Target Lane 3							X	X		X		No	
Schonstedt Target Lane 4							X	X		X		Yes	Post Intrusive MIS Soil Sampling - 2012
Schonstedt Target Lane 5							X	X		X		Yes	Post Intrusive MIS Soil Sampling - 2012
Schonstedt Target Lane 6							X	X		X		Yes	Post Intrusive MIS Soil Sampling - 2012
Schonstedt Target Lane 7							X	X		X		Yes	Post Intrusive MIS Soil Sampling - 2012
Schonstedt Target Lane 8							X	X		X		Yes	Post Intrusive MIS Soil Sampling - 2012
Drive Point Installation Along Greenway Road													
Greenway Road		X								X		No	
Soil Removal Actions													
J-3 Melt/Pour Building Area		X						X	X	X	1146	Yes	
J-3 Demolition Area				X				X	X	X	1085	Yes	
Drum Disposal Area				X							150		
						Total Volume of Soil Removed (cy)					**2386**		
Note: Potential energetic munitions item were either blown-in-place (BIP) or were transported to the Contained Detonation Chamber (CDC) for disposal													

BIP = Blow-in-Place
MD = Munition Debris
RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-2
J-3 Range Area 1
Melt/Pour, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
1	BH-23	AN288	2/21/2001	SB	5	9	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	BH-23	AN289	2/21/2001	SB	10	14	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	BH-23	AN290	2/21/2001	SB	15	17	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	BH-23	AN293	2/21/2001	SB	5	9	YES	MISC	JLWP
1	BH-23	AN294	2/21/2001	SB	10	14	YES	MISC	JLWP
1	BH-23	AN295	2/21/2001	SB	15	17	YES	MISC	JLWP
1	BH-24	AN743	3/19/2001	SB	0	2	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	BH-24	AN744	3/19/2001	SB	0	2	NO	MISC	JLWP
1	BH-24	AN745	3/20/2001	SB	5	7	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	BH-24	AN746	3/20/2001	SB	5	7	YES	MISC	JLWP
1	BH-24	AN747	3/20/2001	SB	10	12	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	BH-24	AN748	3/20/2001	SB	10	12	YES	MISC	JLWP
1	BH-25	AN749	3/20/2001	SB	0	2	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	BH-25	AN750	3/20/2001	SB	0	2	NO	MISC	JLWP
1	BH-25	AN751	3/20/2001	SB	5	7	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	BH-25	AN752	3/20/2001	SB	5	7	YES	MISC	JLWP
1	BH-25	AN753	3/21/2001	SB	10	12	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	BH-25	AN755	3/21/2001	SB	10	12	YES	MISC	JLWP
1	BH-25	AN756	3/21/2001	SB	0	2	NO	MISC	JLWP
1	J3DW0301	J3DW0301XX	5/12/2003	SC	0	0	NO	EXP, METALS	Textron
1	J3DW0301	J3DW0401XX	5/12/2003	SC	0	0	NO	EXP, METALS	Textron
1	J3HD01000	J3HD010001XX	9/25/2003	SD	0	0.5	YES	EXP, SVOC	Textron
1	J3HD01000	J3HD010501XX	9/25/2003	SD	0.5	1	YES	EXP, SVOC	Textron
1	J3HD01000	J3HD011501XX	9/25/2003	SD	1.5	2	YES	EXP, SVOC	Textron
1	J3HD02000	J3HD020001XX	9/25/2003	SD	0	0.5	NO	EXP, SVOC	Textron
1	J3HD02000	J3HD020501XX	9/25/2003	SD	0.5	1	NO	EXP, SVOC	Textron
1	J3HD02000	J3HD021501XX	9/25/2003	SD	1.5	2	NO	EXP, SVOC	Textron
1	J3HD0300	J3HD030001XX	9/25/2003	SD	0	0.5	NO	EXP, SVOC	Textron
1	J3HD0300	J3HD030501XX	9/25/2003	SD	0.5	1	NO	EXP, SVOC	Textron
1	J3HD0300	J3HD031501XX	9/25/2003	SD	1.5	2	NO	EXP, SVOC	Textron
1	J3HD0400	J3HD040001XX	9/25/2003	SD	0	0.5	NO	EXP, SVOC	Textron
1	J3HD0400	J3HD040501XX	9/25/2003	SD	0.5	1	NO	EXP, SVOC	Textron
1	J3HD0400	J3HD041501XX	9/25/2003	SD	1.5	2	NO	EXP, SVOC	Textron
1	J3HD0500	J3HD050001XX	9/25/2003	SD	0	0.5	NO	EXP, SVOC	Textron
1	J3HD0500	J3HD050501XX	9/25/2003	SD	0.5	1	NO	EXP, SVOC	Textron
1	J3HD0500	J3HD051501XX	9/25/2003	SD	1.5	2	NO	EXP, SVOC	Textron
1	J3HD0600	J3HD060001XX	9/24/2003	SD	0	0	YES	EXP	Textron

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ft bgs = feet below ground surface

TABLE 4-2
J-3 Range Area 1
Melt/Pour, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
1	J3HD070001	J3HD070001XX	9/24/2003	SD	0	0	YES	EXP	Textron
1	J3SG01300	J3SG012001XX	6/20/2003	SC	2	2.5	NO	EXP	Textron
1	J3SG01300	J3SG012501XX	6/20/2003	SC	2.5	3	NO	EXP	Textron
1	J3SG01300	J3SG013001XX	6/20/2003	SC	3	3.5	NO	EXP	Textron
1	J3SG01300	J3SG013501XX	6/20/2003	SC	3.5	4	NO	EXP	Textron
1	J3SG02000	J3SG020001XX	6/20/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG02000	J3SG020501XX	6/20/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG02000	J3SG021501XX	6/20/2003	SC	1.5	2	NO	EXP	Textron
1	J3SG030001	J3SG030001XX	6/20/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG030001	J3SG030501XX	6/20/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG030001	J3SG031501XX	6/20/2003	SC	1.5	2	NO	EXP	Textron
1	J3SG04000	J3SG040001XX	6/17/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG04000	J3SG040501XX	6/17/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG04000	J3SG041501XX	6/17/2003	SC	1.5	2	NO	EXP	Textron
1	J3SG0500	J3SG050001XX	6/17/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG0500	J3SG050501XX	6/17/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG0500	J3SG050001XX	6/17/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG0500	J3SG050501XX	6/17/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG0500	J3SG051501XX	6/17/2003	SC	1.5	2	NO	EXP	Textron
1	J3SG0600	J3SG060001XX	6/13/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG0600	J3SG060501XX	6/13/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG0600	J3SG061501XX	6/13/2003	SC	1.5	2	NO	EXP	Textron
1	J3SG0700	J3SG070001XX	6/13/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG0700	J3SG070501XX	6/13/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG0700	J3SG071501XX	6/13/2003	SC	1.5	2	NO	EXP	Textron
1	J3SG0800	J3SG080001XX	6/13/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG0800	J3SG080501XX	6/13/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG0800	J3SG081501XX	6/13/2003	SC	1.5	2	NO	EXP	Textron
1	J3SG0900	J3SG090001XX	6/13/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG0900	J3SG090501XX	6/13/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG1005	J3SG100001XX	6/13/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG1005	J3SG100501XX	6/13/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG1005	J3SG101501XX	6/13/2003	SC	1.5	2	NO	EXP	Textron
1	J3SG110	J3SG110001XX	6/13/2003	SC	0	0.5	NO	EXP	Textron
1	J3SG110	J3SG110501XX	6/13/2003	SC	0.5	1	NO	EXP	Textron
1	J3SG120	J3SG120001XX	6/12/2003	SC	0	0.5	YES	EXP	Textron
1	J3SG120	J3SG120501XX	6/12/2003	SC	0.5	1	YES	EXP	Textron
1	J3SG130	J3SG130001XX	6/12/2003	SC	0	0.5	YES	EXP	Textron
1	J3SG130	J3SG130501XX	6/12/2003	SC	0.5	1	YES	EXP	Textron

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TABLE 4-2
J-3 Range Area 1
Melt/Pour, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
1	J3SG140001XX	J3SG140001XX	11/17/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG140501XX	J3SG140501XX	11/17/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG141501XX	J3SG141501XX	11/17/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG150001XX	J3SG150001XX	11/17/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG150501XX	J3SG150501XX	11/17/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG151501XX	J3SG151501XX	11/17/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG160001XX	J3SG160001XX	11/17/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG160501XX	J3SG160501XX	11/17/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG161501XX	J3SG161501XX	11/17/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG170001XX	J3SG170001XX	11/17/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG170501XX	J3SG170501XX	11/17/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG171501XX	J3SG171501XX	11/17/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG180001XX	J3SG180001XX	11/17/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG180501XX	J3SG180501XX	11/17/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG181501XX	J3SG181501XX	11/17/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG190001XX	J3SG190001XX	11/17/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG190501XX	J3SG190501XX	11/17/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG191501XX	J3SG191501XX	11/17/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG200001XX	J3SG200001XX	11/17/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG200501XX	J3SG200501XX	11/17/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG201501XX	J3SG201501XX	11/17/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG210001XX	J3SG210001XX	11/18/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG210501XX	J3SG210501XX	11/18/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG211501XX	J3SG211501XX	11/18/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG220001XX	J3SG220001XX	11/18/2003	SC	0	0.5	NO	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG220501XX	J3SG220501XX	11/18/2003	SC	0.5	1	NO	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG220501XX	J3SG220501XXDL	11/18/2003	SC	0.5	1	NO	SVOC	J3SWP
1	J3SG221501XX	J3SG221501XX	11/18/2003	SC	1.5	2	NO	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG230001XX	J3SG230001XX	11/18/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG230501XX	J3SG230501XX	11/18/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG231501XX	J3SG231501XX	11/18/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG240001XX	J3SG240001XX	11/18/2003	SC	0	0.5	NO	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG240501XX	J3SG240501XX	11/18/2003	SC	0.5	1	NO	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG241501XX	J3SG241501XX	11/18/2003	SC	1.5	2	NO	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG250001XX	J3SG250001XX	11/18/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG250501XX	J3SG250501XX	11/18/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG251501XX	J3SG251501XX	11/18/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP

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TABLE 4-2
J-3 Range Area 1
Melt/Pour, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
1	J3SG260001XX	J3SG260001XX	11/18/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG260501XX	J3SG260501XX	11/18/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	J3SG261501XX	J3SG261501XX	11/18/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
1	MW-195	AW434	11/29/2001	SB	0	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
1	MW-195	AW435	11/29/2001	SB	1.5	2	NO	EXP, METALS	ADWP1
1	MW-195	AW436	11/29/2001	SB	10	12	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
1	MW-195	AW437	11/29/2001	SB	0	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
1	MW-195	AW438	11/30/2001	SB	20	22	YES	EXP, METALS	ADWP1
1	MW-195	AW439	11/30/2001	SB	30	32	YES	METALS	ADWP1
1	MW-30	S30DAA	1/6/1998	SB	0	0.5	NO	HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	MW-30	S30DBA	2/20/1998	SB	1.5	2	NO	EXP, METALS, MISC	JLWP
1	MW-30	S30DCA	10/27/1997	SB	10	12	YES	EXP, METALS, MISC, PEST, SVOC, VOC	JLWP
1	MW-30	S30DDA	10/27/1997	SB	20	22	YES	EXP, METALS, MISC	JLWP
1	MW-30	S30DEA	10/27/1997	SB	30	32	YES	EXP, METALS, MISC	JLWP
1	SS102A1	AN943	3/21/2001	SC	0	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	SS102A1	AN944	3/21/2001	SC	0	0.5	NO	MISC	JLWP
1	SS102BA	AQ041	5/2/2001	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ042	5/2/2001	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ043	5/2/2001	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ044	5/2/2001	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ045	5/2/2001	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ046	5/2/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ047	5/2/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ048	5/2/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ049	5/2/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ050	5/2/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ051	5/2/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ052	5/2/2001	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ053	5/2/2001	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ054	5/2/2001	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ055	5/2/2001	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ056	5/2/2001	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
1	SS102BA	AQ057	5/2/2001	SC	0	0.25	NO	METALS, SVOC	JLWP
1	SS102BA	AQ058	5/2/2001	SC	0	0.25	NO	METALS, SVOC	JLWP
1	SS102BA	AQ059	5/2/2001	SC	0	0.25	NO	METALS, SVOC	JLWP
1	SS102BA	AQ060	5/2/2001	SC	0	0.25	NO	METALS, SVOC	JLWP
1	SS102BA	AQ061	5/2/2001	SC	0	0.25	NO	METALS, SVOC	JLWP

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J-3 Range Area 1
Melt/Pour, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
1	SS102BA	AQ062	5/2/2001	SC	0.25	0.5	NO	METALS, SVOC	JLWP
1	SS102BA	AQ063	5/2/2001	SC	0.25	0.5	NO	METALS, SVOC	JLWP
1	SS102BA	AQ064	5/2/2001	SC	0.25	0.5	NO	METALS, SVOC	JLWP
1	SS102BA	AQ065	5/2/2001	SC	0.25	0.5	NO	METALS, SVOC	JLWP
1	SS102BA	AQ066	5/2/2001	SC	0.25	0.5	NO	METALS, SVOC	JLWP
1	SS102BA	AQ067	5/2/2001	SC	0.25	0.5	NO	METALS, SVOC	JLWP
1	SS102BA	AQ068	5/2/2001	SC	0.5	1	NO	METALS, SVOC	JLWP
1	SS102BA	AQ069	5/2/2001	SC	0.5	1	NO	METALS, SVOC	JLWP
1	SS102BA	AQ070	5/2/2001	SC	0.5	1	NO	METALS, SVOC	JLWP
1	SS102BA	AQ071	5/2/2001	SC	0.5	1	NO	METALS, SVOC	JLWP
1	SS102BA	AQ072	5/2/2001	SC	0.5	1	NO	METALS, SVOC	JLWP
1	SS102BA	AQ073	5/2/2001	SC	0	0.25	NO	MISC	JLWP
1	SS102BA	AQ074	5/2/2001	SC	0	0.25	NO	MISC	JLWP
1	SS102BA	AQ075	5/2/2001	SC	0	0.25	NO	MISC	JLWP
1	SS102BA	AQ076	5/2/2001	SC	0	0.25	NO	MISC	JLWP
1	SS102BA	AQ077	5/2/2001	SC	0	0.25	NO	MISC	JLWP
1	SS102BA	AQ078	5/2/2001	SC	0.25	0.5	NO	MISC	JLWP
1	SS102BA	AQ079	5/2/2001	SC	0.25	0.5	NO	MISC	JLWP
1	SS102BA	AQ080	5/2/2001	SC	0.25	0.5	NO	MISC	JLWP
1	SS102BA	AQ081	5/2/2001	SC	0.25	0.5	NO	MISC	JLWP
1	SS102BA	AQ082	5/2/2001	SC	0.25	0.5	NO	MISC	JLWP
1	SS102BA	AQ083	5/2/2001	SC	0.25	0.5	NO	MISC	JLWP
1	SS102BA	AQ084	5/2/2001	SC	0.5	1	NO	MISC	JLWP
1	SS102BA	AQ085	5/2/2001	SC	0.5	1	NO	MISC	JLWP
1	SS102BA	AQ086	5/2/2001	SC	0.5	1	NO	MISC	JLWP
1	SS102BA	AQ087	5/2/2001	SC	0.5	1	NO	MISC	JLWP
1	SS102BA	AQ088	5/2/2001	SC	0.5	1	NO	MISC	JLWP
1	SS102VA	AL234	10/26/2000	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	SS102VA	AL235	10/26/2000	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	SS102VA	AL236	10/26/2000	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
1	SS102VA	AT362	10/11/2001	SC	1.5	2	NO	EXP, SVOC	ADWP1
1	SS102VB	AT363	10/12/2001	SC	0	0.25	NO	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VB	AT364	10/12/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VB	AT463	10/16/2001	SC	0.5	1	NO	EXP, SVOC	ADWP1
1	SS102VC	AT367	10/15/2001	SC	0	0.25	YES	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VC	AT368	10/15/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VC	AT369	10/15/2001	SC	0.5	1	YES	EXP, SVOC	ADWP1

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J-3 Range Area 1
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Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
1	SS102VD	AT371	10/12/2001	SC	0	0.25	NO	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VD	AT372	10/12/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VD	AT464	10/16/2001	SC	0.5	1	NO	EXP, SVOC	ADWP1
1	SS102VE	AT375	10/12/2001	SC	0	0.25	NO	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VE	AT376	10/12/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VE	AT377	10/12/2001	SC	0.5	1	NO	EXP, SVOC	ADWP1
1	SS102VF	AT379	10/15/2001	SC	0	0.25	YES	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VF	AT380	10/15/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VF	AT381	10/15/2001	SC	0.5	1	YES	EXP, SVOC	ADWP1
1	SS102VG	AT383	10/12/2001	SC	0	0.25	YES	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VG	AT384	10/12/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VG	AT385	10/12/2001	SC	0.5	1	YES	EXP, SVOC	ADWP1
1	SS102VH	AT387	10/12/2001	SC	0	0.25	NO	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VH	AT388	10/12/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VH	AT389	10/12/2001	SC	0.5	1	NO	EXP, SVOC	ADWP1
1	SS102VI	AT391	10/15/2001	SC	0	0.25	YES	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VI	AT392	10/15/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VI	AT393	10/15/2001	SC	0.5	1	YES	EXP, SVOC	ADWP1
1	SS102VJ	AT396	10/11/2001	SC	0	0.25	NO	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VJ	AT397	10/11/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, SVOC	ADWP1
1	SS102VJ	AT398	10/11/2001	SC	0.5	1	NO	EXP, SVOC	ADWP1
1	SS102YI	MPAD1-A	6/24/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YI	MPAD1-B	6/24/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YI	MPAD1-C	6/24/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YJ	MPAD2-A	6/24/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YJ	MPAD2-B	6/24/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YJ	MPAD2-C	6/24/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YK	MPAD3-A	6/24/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YK	MPAD3-AFD	6/24/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YK	MPAD3-B	6/24/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YK	MPAD3-BFD	6/24/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YK	MPAD3-C	6/24/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YK	MPAD3-CFD	6/24/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YL	MPAD4-A	6/24/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YL	MPAD4-B	6/24/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YL	MPAD4-C	6/24/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YM	MPAD5-A	6/24/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP

ft bgs = feet below ground surface

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TABLE 4-2
J-3 Range Area 1
Melt/Pour, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
1	SS102YM	MPAD5-B	6/24/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SS102YM	MPAD5-C	6/24/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
1	SSJ3MP001	J3MP001	8/18/2004	SC	3	3.25	NO	EXP, PERC	J3RRA
1	SSJ3MP001	J3MP001-02	9/15/2004	SC	4	4.25	YES	EXP	J3RRA
1	SSJ3MP002	J3MP002	8/18/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
1	SSJ3MP002	J3MP002-FD	8/18/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
1	SSJ3MP003	J3MP003	8/18/2004	SC	3	3.25	NO	EXP, PERC	J3RRA
1	SSJ3MP003	J3MP003-02	9/15/2004	SC	4	4.25	YES	EXP	J3RRA
1	SSJ3MP004	J3MP004	8/18/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
1	SSJ3MP005	J3MP005	8/18/2004	SC	1.5	1.75	YES	EXP, PERC	J3RRA
1	SSJ3MP006	J3MP006	8/18/2004	SC	1.5	1.75	YES	EXP, PERC	J3RRA
1	SSJ3MP007	J3MP007_J3RRA	8/24/2004	SC	6	6.25	YES	EXP, PERC	J3RRA
1	SSJ3MP008	J3MP008_J3RRA	8/24/2004	SC	6	6.25	YES	EXP, PERC	J3RRA
1	SSJ3MP008	J3MP008_J3RRA-FD	8/24/2004	SC	6	6.25	YES	EXP, PERC	J3RRA
1	SSJ3MP009	J3MP009	8/18/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
1	SSJ3MP010	J3MP010	8/18/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
1	SSJ3MP011	J3MP011-02	9/15/2004	SC	4	4.25	YES	EXP	J3RRA
1	SSJ3MP011	SSJ3MP11	8/26/2004	SC	3	3.25	NO	EXP, PERC	J3RRA
1	SSJ3MP012	J3MP012_J3RRA	8/24/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
1	SSJ3MP013	J3MP013_J3RRA	8/24/2004	SC	3	3.25	NO	EXP, PERC	J3RRA
1	SSJ3MP013	J3MP013-02	9/15/2004	SC	4	4.25	YES	EXP	J3RRA
1	SSJ3MP014	J3MP014_J3RRA	8/24/2004	SC	3	3.25	NO	EXP, PERC	J3RRA
1	SSJ3MP014	J3MP014-02	9/15/2004	SC	4	4.25	YES	EXP	J3RRA
1	SSJ3MP015	J3MP015_J3RRA	8/24/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
1	SSJ3MP016	J3HD02b_comp	8/26/2004	SC	3	3.25	NO	EXP, PERC	J3RRA
1	SSJ3MP016	J3HD02b_comp-02	9/16/2004	SC	4	4.25	YES	EXP	J3RRA
1	SSJ3MP017	J3HD03b_comp	8/26/2004	SC	3	3.25	NO	EXP, PERC	J3RRA
1	SSJ3MP017	J3HD03b_comp-02	9/16/2004	SC	4	4.25	YES	EXP	J3RRA
1	SSJ3MP018	J3HD05b_comp	8/26/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
1	SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	BIP_POST	0	0.2	YES	EXP, METALS, SVOC	BIP Plan
1	SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	BIP_PRE	0	0.2	YES	EXP, METALS, SVOC	BIP Plan
1	SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	BIP_POST	0	0.2	YES	EXP, METALS, SVOC	BIP Plan
1	SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	BIP_PRE	0	0.2	YES	EXP, METALS, SVOC	BIP Plan
1	SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	BIP_POST	0	0.25	YES	EXP, METALS, PERC, SVOC	BIP Plan
1	SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	BIP_PRE	0	0.25	YES	EXP, METALS, PERC, SVOC	BIP Plan
1	SSJ3S002	ECC091707J3FLD02 (post)	10/4/2007	BIP_POST	0	0.25	NO	EXP, METALS, PERC, SVOC	BIP Plan
1	SSJ3S002	ECC091707J3FLD02 (pre)	10/3/2007	BIP_PRE	0	0.25	NO	EXP, METALS, PERC, SVOC	BIP Plan

ft bgs = feet below ground surface

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TABLE 4-2
J-3 Range Area 1
Melt/Pour, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
1	SSJ3S002	J3S002_SS1	12/11/2007	BIP_SS	0	0.25	NO	METALS	BIP Plan
1	SSJ3S002	J3S002_SS2	12/11/2007	BIP_SS	0	0.25	NO	METALS	BIP Plan
1	SSJ3S002	J3S002_SS3	12/11/2007	BIP_SS	0	0.25	NO	METALS	BIP Plan
1	SSJ3S002	J3S002_SS4	12/11/2007	BIP_SS	0	0.25	NO	METALS	BIP Plan
1	SSJ3S002	J3S002_SS5	12/11/2007	BIP_SS	0	0.25	NO	METALS	BIP Plan
1	SSJ3S002	J3S002_SS6	12/11/2007	BIP_SS	0	0.25	NO	METALS	BIP Plan
1	SSJ3S002	J3S002_SS7	12/11/2007	BIP_SS	0	0.25	NO	METALS	BIP Plan
1	SSJ3S002	J3S002_SS8	12/11/2007	BIP_SS	0	0.25	NO	METALS	BIP Plan
1	SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	BIP_POST	0	0.25	YES	EXP, METALS, PERC, SVOC	BIP Plan
1	SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	BIP_PRE	0	0.25	YES	EXP, METALS, PERC, SVOC	BIP Plan
1	SSJ3S003	J3S003_SS1	12/11/2007	BIP_SS	0	0.25	YES	EXP	BIP Plan
1	SSJ3S003	J3S003_SS2	12/11/2007	BIP_SS	0	0.25	YES	EXP	BIP Plan
1	SSJ3S003	J3S003_SS3	12/11/2007	BIP_SS	0	0.25	YES	EXP	BIP Plan
1	SSJ3S003	J3S003_SS4	12/11/2007	BIP_SS	0	0.25	YES	EXP	BIP Plan
1	SSJ3S003	J3S003_SS5	12/11/2007	BIP_SS	0	0.25	YES	EXP	BIP Plan
1	SSJ3S003	J3S003_SS6	12/11/2007	BIP_SS	0	0.25	YES	EXP	BIP Plan
1	SSJ3S003	J3S003_SS7	12/11/2007	BIP_SS	0	0.25	YES	EXP	BIP Plan
1	SSJ3S003	J3S003_SS8	12/11/2007	BIP_SS	0	0.25	YES	EXP	BIP Plan
1	SSJ3S002	SSJ3S002_PO	11/29/2012	BIP_PostEx	0	0.25	YES	Copper/Lead	BIP Plan
1	SSJ3S002	SSJ3S002_POA	11/29/2012	BIP_PostEx	0	0.25	YES	Copper/Lead	BIP Plan
1	SSJ3S002	SSJ3S002_POB	11/29/2012	BIP_PostEx	0	0.25	YES	Copper/Lead	BIP Plan

Notes:
JLWP = Final J-1, J-3 and L Range Workplan (Ogden, 2000)
ADWP1 = Final J-1, J-3 and L Ranges Additional Delineation Workplan No. 1 (AMEC, 2001a)
Textron = Draft Work Plan Melt-Pour and Explosive Storage Bunker Building Decontamination, Drywell and Septic Tank Removal, and Soil Delineation, J-3 Range (MACTEC, 2003)
J3SWP = Final J-3 Range Supplemental Soil Work Plan (AMEC, 2004)
BIP Plan = Final BIP Sampling and Analysis Plan (AMEC, 2004)
J3RRA = Final J-3 Range Rapid Response Action (J3RRA) Completion Repost (ECC, 2005)

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD - soil discrete

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-24	AN743	3/19/2001	CL200.7	ALUMINUM (TOTAL)	11000		5.3	9.01	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	BARIUM (TOTAL)	11.4		0.776	0.776	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0216	0.0216	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	CADMIUM (TOTAL)	0.15		0.0431	0.0431	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	CHROMIUM (TOTAL)	12.3		0.2	0.302	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	COBALT (TOTAL)	3.5		0.259	0.259	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	COPPER (TOTAL)	3.4		0.539	0.539	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	IRON (TOTAL)	11400		3.5	8	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	LEAD (TOTAL)	7.2		0.2	0.28	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	MAGNESIUM (TOTAL)	1190		82.5	143	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	MANGANESE (TOTAL)	64.1		0.0647	0.0647	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	NICKEL (TOTAL)	6.1		0.28	0.28	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	POTASSIUM (TOTAL)	522		77.4	77.4	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	VANADIUM (TOTAL)	17.9		0.302	0.302	mg/Kg
BH-24	AN743	3/19/2001	CL200.7	ZINC (TOTAL)	26.9		0.4	1.03	mg/Kg
BH-24	AN743	3/19/2001	CVOL	ACETONE	150	J	4.04	12	ug/Kg
BH-24	AN743	3/19/2001	CVOL	BROMOFORM	2	J	1.15	12	ug/Kg
BH-24	AN743	3/19/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	13	J	4.56	12	ug/Kg
BH-24	AN743	3/19/2001	E350.2	NITROGEN, AMMONIA (AS N)	25.4		1.5	2.9	mg/Kg
BH-24	AN743	3/19/2001	E353.2	NITRATE/NITRITE (AS N)	0.05	J	0.0043	0.01	mg/Kg
BH-24	AN743	3/19/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	124		1	2.19	mg/Kg
BH-24	AN743	3/19/2001	LYDKHN	TOTAL ORGANIC CARBON	7740		0	0	mg/Kg
BH-24	AN743	3/19/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	38	J	38	410	ug/Kg
BH-24	AN744	3/19/2001	LAL40	URANIUM-234	0.89	J	0.0001	0.09	PCI/G
BH-24	AN744	3/19/2001	LAL40	URANIUM-238	0.79	J	0.0001	0.08	PCI/G
BH-25	AN749	3/20/2001	CL200.7	ALUMINUM (TOTAL)	8450		5.3	8.57	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	ANTIMONY (TOTAL)	0.78	J	0.636	0.636	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	ARSENIC (TOTAL)	3.6		0.841	0.841	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	BARIUM (TOTAL)	11.8		0.738	0.738	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	CALCIUM (TOTAL)	303		36.9	36.9	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	CHROMIUM (TOTAL)	9.8		0.2	0.287	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	COBALT (TOTAL)	3.3		0.246	0.246	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	COPPER (TOTAL)	4.2		0.513	0.513	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	IRON (TOTAL)	9500		3.5	7.61	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	LEAD (TOTAL)	6.3		0.2	0.267	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	MAGNESIUM (TOTAL)	1090		38.8	38.8	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	MANGANESE (TOTAL)	69.2	J	0.0615	0.0615	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	MOLYBDENUM (TOTAL)	0.48	J	0.246	0.246	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	NICKEL (TOTAL)	5.4		0.267	0.267	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-25	AN749	3/20/2001	CL200.7	POTASSIUM (TOTAL)	463		33	33	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	VANADIUM (TOTAL)	15.1		0.287	0.287	mg/Kg
BH-25	AN749	3/20/2001	CL200.7	ZINC (TOTAL)	20.5		0.4	0.984	mg/Kg
BH-25	AN749	3/20/2001	CVOL	ACETONE	110	J	4.04	9	ug/Kg
BH-25	AN749	3/20/2001	CVOL	BROMOFORM	2	J	1.15	9	ug/Kg
BH-25	AN749	3/20/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	4.56	9	ug/Kg
BH-25	AN749	3/20/2001	CVOL	TOLUENE	0.8	J	0.8	9	ug/Kg
BH-25	AN749	3/20/2001	E350.2	NITROGEN, AMMONIA (AS N)	19.6		1.5	2.75	mg/Kg
BH-25	AN749	3/20/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	158	J	1	1.84	mg/Kg
BH-25	AN749	3/20/2001	LYDKHN	TOTAL ORGANIC CARBON	9490		0	0	mg/Kg
BH-25	AN750	3/20/2001	LAL40	URANIUM-234	0.48	J	0.0001	0.08	PCI/G
BH-25	AN750	3/20/2001	LAL40	URANIUM-235	0.079	J	0.0001	0.054	PCI/G
BH-25	AN750	3/20/2001	LAL40	URANIUM-238	0.7	J	0.0001	0.04	PCI/G
BH-25	AN756	3/21/2001	LAL40	URANIUM-234	0.5		0.0001	0.1	PCI/G
BH-25	AN756	3/21/2001	LAL40	URANIUM-238	0.68		0.0001	0.08	PCI/G
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	ALUMINUM (TOTAL)	2190			5.6	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	BARIUM (TOTAL)	5	J		2.7	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	BERYLLIUM (TOTAL)	0.12	J		0.06	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	CALCIUM (TOTAL)	123	J		61.2	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	CHROMIUM (TOTAL)	2.7			0.18	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	COBALT (TOTAL)	1.6	J		0.58	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	COPPER (TOTAL)	12.3			0.48	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	IRON (TOTAL)	3940			6	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	LEAD (TOTAL)	3.8			0.28	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	MAGNESIUM (TOTAL)	639	J		59.2	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	MANGANESE (TOTAL)	88			0.18	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	MERCURY (TOTAL)	0.15			0.052	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	NICKEL (TOTAL)	2.7	J		0.52	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	POTASSIUM (TOTAL)	193	J		65.3	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	TITANIUM (TOTAL)	55.6			0.26	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	VANADIUM (TOTAL)	3.9	J		0.6	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	ILM04.1	ZINC (TOTAL)	17.5			0.5	mg/Kg
J3DW0301	J3DW0301XX	5/12/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	170			120	ug/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	ALUMINUM (TOTAL)	1630			4.8	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	ARSENIC (TOTAL)	1	J		0.7	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	BARIUM (TOTAL)	3.9	J		2.4	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	BERYLLIUM (TOTAL)	0.12	J		0.05	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	CALCIUM (TOTAL)	103	J		53.4	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	CHROMIUM (TOTAL)	2.2			0.16	mg/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	COBALT (TOTAL)	1.3	J		0.51	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	COPPER (TOTAL)	6.5			0.42	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	IRON (TOTAL)	2660			5.2	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	LEAD (TOTAL)	3.1			0.25	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	MAGNESIUM (TOTAL)	342	J		51.7	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	MANGANESE (TOTAL)	45.1			0.16	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	NICKEL (TOTAL)	1.8	J		0.46	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	POTASSIUM (TOTAL)	212	J		57	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	TITANIUM (TOTAL)	67.1			0.23	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	VANADIUM (TOTAL)	4.3	J		0.53	mg/Kg
J3DW0301	J3DW0401XX	5/12/2003	ILM04.1	ZINC (TOTAL)	13.5			0.44	mg/Kg
J3HD02000	J3HD020001XX	9/25/2003	SW8270C	2-METHYLNAPHTHALENE	24	J	28.9	380	ug/Kg
J3HD02000	J3HD020001XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	570		92	380	ug/Kg
J3HD02000	J3HD020001XX	9/25/2003	SW8270C	DIMETHYL PHTHALATE	840	J	43.7	380	ug/Kg
J3HD02000	J3HD020001XX	9/25/2003	SW8270C	DI-N-BUTYL PHTHALATE	17	J	25.3	380	ug/Kg
J3HD02000	J3HD020001XX	9/25/2003	SW8330	4-AMINO-2,6-DINITROTOLUENE	180	J	8.53	120	ug/Kg
J3HD02000	J3HD020001XX	9/25/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	13000		11.3	240	ug/Kg
J3HD02000	J3HD020501XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	92	J	92	380	ug/Kg
J3HD02000	J3HD020501XX	9/25/2003	SW8270C	DIMETHYL PHTHALATE	600		43.7	380	ug/Kg
J3HD02000	J3HD020501XX	9/25/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	2500		11.3	120	ug/Kg
J3HD02000	J3HD021501XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	36	J	92	350	ug/Kg
J3HD02000	J3HD021501XX	9/25/2003	SW8270C	DIMETHYL PHTHALATE	480		43.7	350	ug/Kg
J3HD02000	J3HD021501XX	9/25/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1700		11.3	120	ug/Kg
J3HD0300	J3HD030001XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	120	J	92	350	ug/Kg
J3HD0300	J3HD030001XX	9/25/2003	SW8270C	DIMETHYL PHTHALATE	1800	J	43.7	350	ug/Kg
J3HD0300	J3HD030001XX	9/25/2003	SW8330	2-AMINO-4,6-DINITROTOLUENE	150	J	9.03	120	ug/Kg
J3HD0300	J3HD030001XX	9/25/2003	SW8330	4-AMINO-2,6-DINITROTOLUENE	340		8.53	120	ug/Kg
J3HD0300	J3HD030001XX	9/25/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	380000		11.3	6000	ug/Kg
J3HD0300	J3HD030501XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	80	J	92	350	ug/Kg
J3HD0300	J3HD030501XX	9/25/2003	SW8270C	DIMETHYL PHTHALATE	3000		43.7	350	ug/Kg
J3HD0300	J3HD030501XX	9/25/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	31000		11.3	480	ug/Kg
J3HD0300	J3HD031501XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	42	J	92	390	ug/Kg
J3HD0300	J3HD031501XX	9/25/2003	SW8270C	DIMETHYL PHTHALATE	26	J	43.7	390	ug/Kg
J3HD0300	J3HD031501XX	9/25/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	16000		11.3	240	ug/Kg
J3HD0500	J3HD050001XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	660		92	340	ug/Kg
J3HD0500	J3HD050001XX	9/25/2003	SW8270C	DIMETHYL PHTHALATE	4100	J	43.7	340	ug/Kg
J3HD0500	J3HD050001XX	9/25/2003	SW8270C	DI-N-BUTYL PHTHALATE	77	J	25.3	340	ug/Kg
J3HD0500	J3HD050001XX	9/25/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1900		11.3	120	ug/Kg
J3HD0500	J3HD050501XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	440		92	340	ug/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3HD0500	J3HD050501XX	9/25/2003	SW8270C	DIMETHYL PHTHALATE	1300	J	43.7	340	ug/Kg
J3HD0500	J3HD050501XX	9/25/2003	SW8270C	DI-N-BUTYL PHTHALATE	58	J	25.3	340	ug/Kg
J3HD0500	J3HD050501XX	9/25/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1600		11.3	120	ug/Kg
J3HD0500	J3HD051501XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	390		92	340	ug/Kg
J3HD0500	J3HD051501XX	9/25/2003	SW8270C	DIMETHYL PHTHALATE	770	J	43.7	340	ug/Kg
J3HD0500	J3HD051501XX	9/25/2003	SW8270C	DI-N-BUTYL PHTHALATE	42	J	25.3	340	ug/Kg
J3HD0500	J3HD051501XX	9/25/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	970		11.3	120	ug/Kg
J3SG01300	J3SG012001XX	6/20/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	860			120	ug/Kg
J3SG01300	J3SG012501XX	6/20/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	670			120	ug/Kg
J3SG01300	J3SG013001XX	6/20/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	840			120	ug/Kg
J3SG01300	J3SG013501XX	6/20/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	350			120	ug/Kg
J3SG02000	J3SG020001XX	6/20/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	150			120	ug/Kg
J3SG030001	J3SG030001XX	6/20/2003	8330N	2-AMINO-4,6-DINITROTOLUENE	130			120	ug/Kg
J3SG030001	J3SG030001XX	6/20/2003	8330N	4-AMINO-2,6-DINITROTOLUENE	410			120	ug/Kg
J3SG030001	J3SG030001XX	6/20/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	61000			840	ug/Kg
J3SG030001	J3SG030501XX	6/20/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	3200			120	ug/Kg
J3SG030001	J3SG031501XX	6/20/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1100			120	ug/Kg
J3SG04000	J3SG040001XX	6/17/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	280			120	ug/Kg
J3SG030001	J3SG031501XX	6/20/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1100			120	ug/Kg
J3SG04000	J3SG040001XX	6/17/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	280			120	ug/Kg
J3SG04000	J3SG040501XX	6/17/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	9400			120	ug/Kg
J3SG0500	J3SG050001XX	6/17/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	2300	J		120	ug/Kg
J3SG0500	J3SG050501XX	6/17/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	490			120	ug/Kg
J3SG0500	J3SG051501XX	6/17/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	130			120	ug/Kg
J3SG0600	J3SG060001XX	6/13/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	8500			120	ug/Kg
J3SG0600	J3SG060501XX	6/13/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	2000			120	ug/Kg
J3SG0600	J3SG061501XX	6/13/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	310			120	ug/Kg
J3SG0700	J3SG070001XX	6/13/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	8300			120	ug/Kg
J3SG0700	J3SG070501XX	6/13/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	630			120	ug/Kg
J3SG0700	J3SG071501XX	6/13/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	380			120	ug/Kg
J3SG0800	J3SG081501XX	6/13/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	580			120	ug/Kg
J3SG1005	J3SG100001XX	6/13/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1200			120	ug/Kg
J3SG1005	J3SG100501XX	6/13/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	330			120	ug/Kg
J3SG1005	J3SG101501XX	6/13/2003	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	130			120	ug/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	ALUMINUM (TOTAL)	14200			6	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	ARSENIC (TOTAL)	6			1.1	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	BARIUM (TOTAL)	18.3	J		3.1	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	BERYLLIUM (TOTAL)	0.33	J		0.08	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	CADMIUM (TOTAL)	0.25	J		0.13	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	CALCIUM (TOTAL)	221	J		77.3	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	CHROMIUM (TOTAL)	14.9			0.3	mg/Kg

J = Estimated
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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	COBALT (TOTAL)	2.6	J		0.78	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	IRON (TOTAL)	16800			7.5	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	LEAD (TOTAL)	20.2			0.38	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	MAGNESIUM (TOTAL)	1180	J		81.1	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	MANGANESE (TOTAL)	61.4			0.32	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	NICKEL (TOTAL)	7.2	J		0.65	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	POTASSIUM (TOTAL)	507	J		85.8	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	ILM04.1	VANADIUM (TOTAL)	30.4			0.78	mg/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	SW8270C	CHRYSENE	25	J	26	450	ug/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	SW8270C	FLUORANTHENE	34	J	72.3	450	ug/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	SW8270C	PHENANTHRENE	29	J	26.3	450	ug/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	SW8270C	PYRENE	32	J	75.2	450	ug/Kg
J3SG220001XX	J3SG220001XX	11/18/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	5200		11.3	120	ug/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	ALUMINUM (TOTAL)	15600			5.7	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	ARSENIC (TOTAL)	5.2			1.1	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	BARIUM (TOTAL)	17.7	J		3	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	BERYLLIUM (TOTAL)	0.42	J		0.08	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	CADMIUM (TOTAL)	0.18	J		0.13	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	CALCIUM (TOTAL)	137	J		73.8	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	CHROMIUM (TOTAL)	17			0.28	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	COBALT (TOTAL)	3.2	J		0.75	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	IRON (TOTAL)	16500			7.2	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	LEAD (TOTAL)	13.9			0.36	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	MAGNESIUM (TOTAL)	1350			77.5	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	MANGANESE (TOTAL)	59.6			0.31	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	NICKEL (TOTAL)	7.6	J		0.62	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	POTASSIUM (TOTAL)	380	J		81.9	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	ILM04.1	VANADIUM (TOTAL)	26.1			0.75	mg/Kg
J3SG220501XX	J3SG220501XX	11/18/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1700		11.3	120	ug/Kg
J3SG220501XX	J3SG220501XXDL	11/18/2003	SW8270C	BENZOIC ACID	3700		123	1400	ug/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	ALUMINUM (TOTAL)	13900			5	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	ARSENIC (TOTAL)	4.8			0.93	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	BARIUM (TOTAL)	17.9	J		2.6	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	BERYLLIUM (TOTAL)	0.4	J		0.07	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	CALCIUM (TOTAL)	101	J		64.9	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	CHROMIUM (TOTAL)	15.7			0.25	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	COBALT (TOTAL)	4.1	J		0.66	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	IRON (TOTAL)	14900			6.3	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	LEAD (TOTAL)	9.3			0.32	mg/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	MAGNESIUM (TOTAL)	1820			68.1	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	MANGANESE (TOTAL)	67.9			0.27	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	NICKEL (TOTAL)	8	J		0.54	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	POTASSIUM (TOTAL)	490	J		71.9	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	ILM04.1	VANADIUM (TOTAL)	22.2			0.66	mg/Kg
J3SG221501XX	J3SG221501XX	11/18/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	630		11.3	120	ug/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	ALUMINUM (TOTAL)	10900			5.9	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	ARSENIC (TOTAL)	5.1			1.1	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	BARIUM (TOTAL)	18.3	J		3.1	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	BERYLLIUM (TOTAL)	0.2	J		0.08	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	CADMIUM (TOTAL)	0.19	J		0.13	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	CALCIUM (TOTAL)	324	J		76.8	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	CHROMIUM (TOTAL)	11.5			0.29	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	COBALT (TOTAL)	1.8	J		0.78	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	IRON (TOTAL)	14500			7.4	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	LEAD (TOTAL)	22.1			0.38	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	MAGNESIUM (TOTAL)	812	J		80.6	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	MANGANESE (TOTAL)	43.4			0.32	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	MERCURY (TOTAL)	0.062	J		0.059	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	NICKEL (TOTAL)	5.7	J		0.64	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	POTASSIUM (TOTAL)	365	J		85.2	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	ILM04.1	VANADIUM (TOTAL)	28.1			0.78	mg/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	SW8270C	FLUORANTHENE	23	J	72.3	450	ug/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	SW8270C	PYRENE	21	J	75.2	450	ug/Kg
J3SG240001XX	J3SG240001XX	11/18/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	280		11.3	120	ug/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	ALUMINUM (TOTAL)	17600			5.2	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	ARSENIC (TOTAL)	5.4			0.97	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	BARIUM (TOTAL)	21.3	J		2.7	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	BERYLLIUM (TOTAL)	0.33	J		0.07	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	CADMIUM (TOTAL)	0.13	J		0.12	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	CALCIUM (TOTAL)	103	J		68.1	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	CHROMIUM (TOTAL)	20.2			0.26	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	COBALT (TOTAL)	4.5	J		0.69	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	IRON (TOTAL)	16400			6.6	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	LEAD (TOTAL)	10.1			0.33	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	MAGNESIUM (TOTAL)	2270			71.4	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	MANGANESE (TOTAL)	80.7			0.28	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	NICKEL (TOTAL)	9.8			0.57	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	POTASSIUM (TOTAL)	612	J		75.5	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG240501XX	J3SG240501XX	11/18/2003	ILM04.1	VANADIUM (TOTAL)	27			0.69	mg/Kg
J3SG240501XX	J3SG240501XX	11/18/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	230		11.3	120	ug/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	ALUMINUM (TOTAL)	13400			5.4	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	ARSENIC (TOTAL)	5.7			1	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	BARIUM (TOTAL)	19.4	J		2.8	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	BERYLLIUM (TOTAL)	0.49	J		0.07	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	CALCIUM (TOTAL)	136	J		70.4	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	CHROMIUM (TOTAL)	17.3			0.27	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	COBALT (TOTAL)	4.5	J		0.71	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	IRON (TOTAL)	14100			6.8	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	LEAD (TOTAL)	9.8			0.34	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	MAGNESIUM (TOTAL)	2220			73.8	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	MANGANESE (TOTAL)	83.6			0.29	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	NICKEL (TOTAL)	8.7	J		0.59	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	POTASSIUM (TOTAL)	718	J		78	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	ILM04.1	VANADIUM (TOTAL)	26.6			0.71	mg/Kg
J3SG241501XX	J3SG241501XX	11/18/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	330		11.3	120	ug/Kg
MW-195	AW434	11/29/2001	CL200.7	ALUMINUM (TOTAL)	8430		1.7	1.7	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	ANTIMONY (TOTAL)	1.4		0.48	0.48	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	ARSENIC (TOTAL)	1.4	J	0.33	0.33	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	BARIUM (TOTAL)	31.2		0.87	0.87	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	BORON (TOTAL)	8		0.48	0.48	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	CADMIUM (TOTAL)	0.26	J	0.04	0.04	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	CALCIUM (TOTAL)	1340		69.3	69.3	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	CHROMIUM (TOTAL)	24.5		0.15	0.15	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	COBALT (TOTAL)	5.5		0.3	0.3	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	COPPER (TOTAL)	16.6		0.22	0.22	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	IRON (TOTAL)	12800		3.4	3.4	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	LEAD (TOTAL)	27.3		0.13	0.13	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	MAGNESIUM (TOTAL)	3230		42.3	42.3	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	MANGANESE (TOTAL)	211		0.3	0.3	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	NICKEL (TOTAL)	11.1		0.46	0.46	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	POTASSIUM (TOTAL)	1500		25.4	25.4	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	VANADIUM (TOTAL)	22.1		0.46	0.46	mg/Kg
MW-195	AW434	11/29/2001	CL200.7	ZINC (TOTAL)	75.3		0.33	0.33	mg/Kg
MW-195	AW434	11/29/2001	CVOL	ACETONE	36	J	3.81	8	ug/Kg
MW-195	AW434	11/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	8	ug/Kg
MW-195	AW434	11/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.6	J	1.5	2.6	mg/Kg
MW-195	AW434	11/29/2001	E353.2	NITRATE/NITRITE (AS N)	0.036	J	0.0043	0.011	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-195	AW434	11/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109		1	2.2	mg/Kg
MW-195	AW434	11/29/2001	LYDKHN	TOTAL ORGANIC CARBON	8870	J	0	0	mg/Kg
MW-195	AW434	11/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	57	J	57	360	ug/Kg
MW-195	AW434	11/29/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	130		17.6	120	ug/Kg
MW-195	AW435	11/29/2001	CL200.7	ALUMINUM (TOTAL)	5990		1.7	1.7	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	ARSENIC (TOTAL)	2.2	J	0.33	0.33	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	BARIUM (TOTAL)	9.1		0.87	0.87	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	BORON (TOTAL)	7.5		0.48	0.48	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	CALCIUM (TOTAL)	179		69.4	69.4	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	CHROMIUM (TOTAL)	8.7		0.15	0.15	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	COBALT (TOTAL)	5.2		0.3	0.3	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	COPPER (TOTAL)	4.3		0.22	0.22	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	IRON (TOTAL)	9550		3.4	3.4	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	LEAD (TOTAL)	4.8		0.13	0.13	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	MAGNESIUM (TOTAL)	1190		42.3	42.3	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	MANGANESE (TOTAL)	127		0.3	0.3	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	NICKEL (TOTAL)	5.3		0.46	0.46	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	POTASSIUM (TOTAL)	682		25.5	25.5	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	VANADIUM (TOTAL)	14		0.46	0.46	mg/Kg
MW-195	AW435	11/29/2001	CL200.7	ZINC (TOTAL)	12.6		0.33	0.33	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	ALUMINUM (TOTAL)	8550		1.6	1.6	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	ANTIMONY (TOTAL)	1.1		0.47	0.47	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	ARSENIC (TOTAL)	3	J	0.83	0.83	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	BARIUM (TOTAL)	33.9		0.85	0.85	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	BORON (TOTAL)	8.3		0.47	0.47	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	CADMIUM (TOTAL)	0.29	J	0.04	0.04	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	CALCIUM (TOTAL)	1360		67.8	67.8	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	CHROMIUM (TOTAL)	21.8		0.15	0.15	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	COBALT (TOTAL)	5.8		0.3	0.3	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	COPPER (TOTAL)	17		0.21	0.21	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	IRON (TOTAL)	13400		3.3	3.3	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	LEAD (TOTAL)	12.1		0.13	0.13	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	MAGNESIUM (TOTAL)	3430		41.4	41.4	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	MANGANESE (TOTAL)	204		0.3	0.3	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	NICKEL (TOTAL)	12.1		0.45	0.45	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	POTASSIUM (TOTAL)	1500		24.9	24.9	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	VANADIUM (TOTAL)	24		0.45	0.45	mg/Kg
MW-195	AW437	11/29/2001	CL200.7	ZINC (TOTAL)	79.4		0.32	0.32	mg/Kg
MW-195	AW437	11/29/2001	CVOL	ACETONE	30	J	3.81	9	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-195	AW437	11/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	9	ug/Kg
MW-195	AW437	11/29/2001	CVOL	TRICHLOROETHENE(TCE)	1	J	1	9	ug/Kg
MW-195	AW437	11/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.9	J	1.5	2.5	mg/Kg
MW-195	AW437	11/29/2001	E353.2	NITRATE/NITRITE (AS N)	0.031	J	0.0043	0.011	mg/Kg
MW-195	AW437	11/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	139		1	2.2	mg/Kg
MW-195	AW437	11/29/2001	LYDKHN	TOTAL ORGANIC CARBON	6010		0	0	mg/Kg
MW-195	AW437	11/29/2001	SW8270	BENZOIC ACID	24	J	24	920	ug/Kg
MW-195	AW437	11/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	68	J	68	360	ug/Kg
MW-195	AW437	11/29/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	250	J	17.6	120	ug/Kg
MW-30	S30DAA	1/6/1998	CL200.7	ALUMINUM (TOTAL)	18800		3.03	3.03	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	ANTIMONY (TOTAL)	0.98	J	0.862	0.862	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	ARSENIC (TOTAL)	7		0.887	0.887	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	BARIUM (TOTAL)	19.9		1.03	1.03	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	BERYLLIUM (TOTAL)	0.35		0.0246	0.0246	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	CALCIUM (TOTAL)	74.7		25.9	25.9	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	CHROMIUM (TOTAL)	21.3	J	0.271	0.271	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	COBALT (TOTAL)	5.6		0.419	0.419	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	COPPER (TOTAL)	6.6	J	0.567	0.567	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	IRON (TOTAL)	18700		6.31	6.31	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	LEAD (TOTAL)	9.4	J	0.443	0.443	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	MAGNESIUM (TOTAL)	2330		31.2	31.2	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	MANGANESE (TOTAL)	85		0.0739	0.0739	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	MOLYBDENUM (TOTAL)	0.78	J	0.37	0.37	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	NICKEL (TOTAL)	8.9		0.567	0.567	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	POTASSIUM (TOTAL)	699		54	54	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	VANADIUM (TOTAL)	29.9		0.394	0.394	mg/Kg
MW-30	S30DAA	1/6/1998	CL200.7	ZINC (TOTAL)	24.7	J	0.764	0.764	mg/Kg
MW-30	S30DAA	1/6/1998	E350.2	NITROGEN, AMMONIA (AS N)	4.6	J	4.6	4.6	mg/Kg
MW-30	S30DAA	1/6/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	69	J	69	69	mg/Kg
MW-30	S30DAA	1/6/1998	SW8151A	PENTACHLOROPHENOL	6.2	J	6.2	6.2	ug/Kg
MW-30	S30DBA	2/20/1998	CL200.7	ALUMINUM (TOTAL)	8080		5.78	5.78	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	BARIUM (TOTAL)	9.7		1.59	1.59	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	BERYLLIUM (TOTAL)	0.28		0.0626	0.0626	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	CALCIUM (TOTAL)	52.1		21.9	21.9	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	CHROMIUM (TOTAL)	10.4		0.418	0.418	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	IRON (TOTAL)	8560		5.34	5.34	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	LEAD (TOTAL)	4.8		0.376	0.376	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	MAGNESIUM (TOTAL)	1180		41.1	41.1	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	MANGANESE (TOTAL)	64.3		0.167	0.167	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-30	S30DBA	2/20/1998	CL200.7	NICKEL (TOTAL)	6.3		0.731	0.731	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	POTASSIUM (TOTAL)	417		46.2	46.2	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	VANADIUM (TOTAL)	15		1.09	1.09	mg/Kg
MW-30	S30DBA	2/20/1998	CL200.7	ZINC (TOTAL)	13.7		0.397	0.397	mg/Kg
MW-30	S30DBA	2/20/1998	E353.2	NITRATE/NITRITE (AS N)	0.05		0.05	0.05	mg/Kg
MW-30	S30DBA	2/20/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.9		88.9	88.9	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	ALUMINUM (TOTAL)	5020		5.3	9.22	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	ARSENIC (TOTAL)	1.6	J	0.9	0.904	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	BARIUM (TOTAL)	21.3		0.794	0.794	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	CADMIUM (TOTAL)	2.7		0.0441	0.0441	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	CALCIUM (TOTAL)	945		39.7	39.7	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	CHROMIUM (TOTAL)	9.7		0.2	0.309	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	COBALT (TOTAL)	2.3		0.265	0.265	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	COPPER (TOTAL)	635		0.551	0.551	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	IRON (TOTAL)	13100		3.5	8.18	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	LEAD (TOTAL)	66.8		0.2	0.287	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	MAGNESIUM (TOTAL)	1050		41.7	41.7	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	MANGANESE (TOTAL)	86.4	J	0.0661	0.0661	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	MOLYBDENUM (TOTAL)	0.85	J	0.265	0.265	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	NICKEL (TOTAL)	10.2		0.287	0.287	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	POTASSIUM (TOTAL)	400		35.5	35.5	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	SILVER (TOTAL)	0.59	J	0.3	0.529	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	VANADIUM (TOTAL)	11.3		0.309	0.309	mg/Kg
SS102A1	AN943	3/21/2001	CL200.7	ZINC (TOTAL)	689		0.4	1.06	mg/Kg
SS102A1	AN943	3/21/2001	CL245.5	MERCURY (TOTAL)	1.7		0.0259	0.0639	mg/Kg
SS102A1	AN943	3/21/2001	CPEST	DIELDRIN	2.8	NJ	0.534	4.2	ug/Kg
SS102A1	AN943	3/21/2001	CPEST	ENDRIN ALDEHYDE	7.5	NJ	0.728	4.2	ug/Kg
SS102A1	AN943	3/21/2001	CPEST	GAMMA-CHLORDANE	3.1	NJ	0.297	2.2	ug/Kg
SS102A1	AN943	3/21/2001	CPEST	P,P'-DDE	2	J	0.523	4.2	ug/Kg
SS102A1	AN943	3/21/2001	CPEST	P,P'-DDT	2.4	NJ	1.63	4.2	ug/Kg
SS102A1	AN943	3/21/2001	CPEST	PCB-1254 (AROCHLOR 1254)	77	J	3.02	42	ug/Kg
SS102A1	AN943	3/21/2001	CVOL	ACETONE	45	J	4.04	9	ug/Kg
SS102A1	AN943	3/21/2001	CVOL	BENZENE	0.9	J	0.9	9	ug/Kg
SS102A1	AN943	3/21/2001	CVOL	CARBON DISULFIDE	5	J	1.07	9	ug/Kg
SS102A1	AN943	3/21/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	9	ug/Kg
SS102A1	AN943	3/21/2001	CVOL	TOLUENE	1	J	1	9	ug/Kg
SS102A1	AN943	3/21/2001	E350.2	NITROGEN, AMMONIA (AS N)	47.8		1.5	2.27	mg/Kg
SS102A1	AN943	3/21/2001	E353.2	NITRATE/NITRITE (AS N)	0.03		0.0043	0.01	mg/Kg
SS102A1	AN943	3/21/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	125	J	1	2.13	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102A1	AN943	3/21/2001	LYDKHN	TOTAL ORGANIC CARBON	24700		0	0	mg/Kg
SS102A1	AN943	3/21/2001	SW8151A	CHLORAMBEN	10	J	6.9	6.9	ug/Kg
SS102A1	AN943	3/21/2001	SW8270	BENZYL BUTYL PHTHALATE	210	J	81.4	420	ug/Kg
SS102A1	AN943	3/21/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	900		117	420	ug/Kg
SS102A1	AN943	3/21/2001	SW8270	DI-N-BUTYL PHTHALATE	170	J	70.8	420	ug/Kg
SS102A1	AN943	3/21/2001	SW8330	2,4,6-TRINITROTOLUENE	140	J	7.2	120	ug/Kg
SS102A1	AN943	3/21/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	340000		22	6000	ug/Kg
SS102A1	AN944	3/21/2001	LAL40	URANIUM-234	0.54		0.0001	0.08	PCI/G
SS102A1	AN944	3/21/2001	LAL40	URANIUM-238	0.67	J	0.0001	0.11	PCI/G
SS102BA	AQ041	5/2/2001	CPEST	P,P'-DDE	7.8		0.523	4.6	ug/Kg
SS102BA	AQ041	5/2/2001	CPEST	P,P'-DDT	11	J	1.63	4.6	ug/Kg
SS102BA	AQ041	5/2/2001	CVOL	ACETONE	230	J	4.04	14	ug/Kg
SS102BA	AQ041	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	4.56	14	ug/Kg
SS102BA	AQ041	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	36.3	J	1.5	3.31	mg/Kg
SS102BA	AQ041	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	0.42		0.0043	0.01	mg/Kg
SS102BA	AQ041	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	102	J	1	2.67	mg/Kg
SS102BA	AQ041	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	47600	J	0	0	mg/Kg
SS102BA	AQ041	5/2/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	200	J	22	120	ug/Kg
SS102BA	AQ042	5/2/2001	CPEST	P,P'-DDE	10	NJ	0.523	4.3	ug/Kg
SS102BA	AQ042	5/2/2001	CPEST	P,P'-DDT	14	J	1.63	4.3	ug/Kg
SS102BA	AQ042	5/2/2001	CVOL	ACETONE	240		4.04	14	ug/Kg
SS102BA	AQ042	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	20	J	4.56	14	ug/Kg
SS102BA	AQ042	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	37.8	J	1.5	3.11	mg/Kg
SS102BA	AQ042	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	1.9		0.0043	0.01	mg/Kg
SS102BA	AQ042	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	119	J	1	2.45	mg/Kg
SS102BA	AQ042	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	52200	J	0	0	mg/Kg
SS102BA	AQ043	5/2/2001	CPEST	P,P'-DDT	2.9	J	1.63	4.4	ug/Kg
SS102BA	AQ043	5/2/2001	CVOL	ACETONE	380	J	4.04	17	ug/Kg
SS102BA	AQ043	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	29	J	4.56	17	ug/Kg
SS102BA	AQ043	5/2/2001	CVOL	TOLUENE	2	J	1.17	17	ug/Kg
SS102BA	AQ043	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	20.1	J	1.5	3.25	mg/Kg
SS102BA	AQ043	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	2.6		0.0043	0.01	mg/Kg
SS102BA	AQ043	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	148	J	1	2.57	mg/Kg
SS102BA	AQ043	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	27500	J	0	0	mg/Kg
SS102BA	AQ044	5/2/2001	CPEST	P,P'-DDE	4.2	J	0.523	4.5	ug/Kg
SS102BA	AQ044	5/2/2001	CPEST	P,P'-DDT	5.8	J	1.63	4.5	ug/Kg
SS102BA	AQ044	5/2/2001	CVOL	ACETONE	220		4.04	15	ug/Kg
SS102BA	AQ044	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	13	J	4.56	15	ug/Kg
SS102BA	AQ044	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	32.9	J	1.5	2.82	mg/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ044	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	1.2		0.0043	0.01	mg/Kg
SS102BA	AQ044	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	160	J	1	2.53	mg/Kg
SS102BA	AQ044	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	53400	J	0	0	mg/Kg
SS102BA	AQ044	5/2/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	260	J	22	120	ug/Kg
SS102BA	AQ045	5/2/2001	CVOL	ACETONE	69	J	4.04	11	ug/Kg
SS102BA	AQ045	5/2/2001	CVOL	BROMOFORM	1	J	1	11	ug/Kg
SS102BA	AQ045	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	11	ug/Kg
SS102BA	AQ045	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	15.2	J	1.5	2.73	mg/Kg
SS102BA	AQ045	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	1.9		0.0043	0.01	mg/Kg
SS102BA	AQ045	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	153	J	1	2.34	mg/Kg
SS102BA	AQ045	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	6590	J	0	0	mg/Kg
SS102BA	AQ046	5/2/2001	CPEST	P,P'-DDE	12		0.523	4.6	ug/Kg
SS102BA	AQ046	5/2/2001	CPEST	P,P'-DDT	15	J	1.63	4.6	ug/Kg
SS102BA	AQ046	5/2/2001	CVOL	ACETONE	220		4.04	17	ug/Kg
SS102BA	AQ046	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	17	J	4.56	17	ug/Kg
SS102BA	AQ046	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	31.7	J	1.5	3.28	mg/Kg
SS102BA	AQ046	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	1		0.0043	0.01	mg/Kg
SS102BA	AQ046	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	168	J	1	2.83	mg/Kg
SS102BA	AQ046	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	50500	J	0	0	mg/Kg
SS102BA	AQ046	5/2/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	510	J	22	120	ug/Kg
SS102BA	AQ047	5/2/2001	CPEST	METHOXYCHLOR	13	J	13	23	ug/Kg
SS102BA	AQ047	5/2/2001	CPEST	P,P'-DDE	31	J	0.523	4.5	ug/Kg
SS102BA	AQ047	5/2/2001	CPEST	P,P'-DDT	34	J	1.63	4.5	ug/Kg
SS102BA	AQ047	5/2/2001	CVOL	ACETONE	270		4.04	16	ug/Kg
SS102BA	AQ047	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	4.56	16	ug/Kg
SS102BA	AQ047	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	37.6	J	1.5	3.08	mg/Kg
SS102BA	AQ047	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	0.6		0.0043	0.01	mg/Kg
SS102BA	AQ047	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	175	J	1	2.64	mg/Kg
SS102BA	AQ047	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	64900	J	0	0	mg/Kg
SS102BA	AQ048	5/2/2001	CPEST	ENDRIN ALDEHYDE	2.5	J	0.728	4	ug/Kg
SS102BA	AQ048	5/2/2001	CPEST	P,P'-DDE	2	J	0.523	4	ug/Kg
SS102BA	AQ048	5/2/2001	CPEST	P,P'-DDT	2.4	J	1.63	4	ug/Kg
SS102BA	AQ048	5/2/2001	CVOL	ACETONE	130	J	4.04	16	ug/Kg
SS102BA	AQ048	5/2/2001	CVOL	BROMOFORM	2	J	1.15	16	ug/Kg
SS102BA	AQ048	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	4.56	16	ug/Kg
SS102BA	AQ048	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.6	J	1.5	2.8	mg/Kg
SS102BA	AQ048	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	0.3		0.0043	0.01	mg/Kg
SS102BA	AQ048	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	143	J	1	2.19	mg/Kg
SS102BA	AQ048	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	5810	J	0	0	mg/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ049	5/2/2001	CPEST	P,P'-DDE	3.2	J	0.523	3.9	ug/Kg
SS102BA	AQ049	5/2/2001	CPEST	P,P'-DDT	4.2	J	1.63	3.9	ug/Kg
SS102BA	AQ049	5/2/2001	CVOL	ACETONE	220		4.04	12	ug/Kg
SS102BA	AQ049	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	18	J	4.56	12	ug/Kg
SS102BA	AQ049	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	20.3	J	1.5	2.75	mg/Kg
SS102BA	AQ049	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	0.91		0.0043	0.01	mg/Kg
SS102BA	AQ049	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	156	J	1	2.25	mg/Kg
SS102BA	AQ049	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	31400	J	0	0	mg/Kg
SS102BA	AQ049	5/2/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	120	J	22	120	ug/Kg
SS102BA	AQ050	5/2/2001	CPEST	P,P'-DDE	4.8		0.523	4.3	ug/Kg
SS102BA	AQ050	5/2/2001	CPEST	P,P'-DDT	5.4	J	1.63	4.3	ug/Kg
SS102BA	AQ050	5/2/2001	CVOL	ACETONE	100	J	4.04	10	ug/Kg
SS102BA	AQ050	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	4.56	10	ug/Kg
SS102BA	AQ050	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	13.5	J	1.5	3.06	mg/Kg
SS102BA	AQ050	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	0.29		0.0043	0.01	mg/Kg
SS102BA	AQ050	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	142	J	1	2.32	mg/Kg
SS102BA	AQ050	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	24200	J	0	0	mg/Kg
SS102BA	AQ051	5/2/2001	CPEST	P,P'-DDE	7.5		0.523	4.2	ug/Kg
SS102BA	AQ051	5/2/2001	CPEST	P,P'-DDT	8.6	J	1.63	4.2	ug/Kg
SS102BA	AQ051	5/2/2001	CVOL	ACETONE	160	J	4.04	13	ug/Kg
SS102BA	AQ051	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	4.56	13	ug/Kg
SS102BA	AQ051	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	19.1	J	1.5	2.97	mg/Kg
SS102BA	AQ051	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	0.69		0.0043	0.01	mg/Kg
SS102BA	AQ051	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	129	J	1	2.51	mg/Kg
SS102BA	AQ051	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	12600	J	0	0	mg/Kg
SS102BA	AQ052	5/2/2001	CPEST	P,P'-DDE	16		0.523	4.2	ug/Kg
SS102BA	AQ052	5/2/2001	CPEST	P,P'-DDT	21	J	1.63	4.2	ug/Kg
SS102BA	AQ052	5/2/2001	CVOL	ACETONE	350	J	4.04	17	ug/Kg
SS102BA	AQ052	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	22	J	4.56	17	ug/Kg
SS102BA	AQ052	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	80.8	J	1.5	3.01	mg/Kg
SS102BA	AQ052	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	4		0.0043	0.01	mg/Kg
SS102BA	AQ052	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	157	J	1	2.44	mg/Kg
SS102BA	AQ052	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	54400	J	0	0	mg/Kg
SS102BA	AQ052	5/2/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	130	J	22	120	ug/Kg
SS102BA	AQ053	5/2/2001	CPEST	P,P'-DDE	16		0.523	5	ug/Kg
SS102BA	AQ053	5/2/2001	CPEST	P,P'-DDT	24	J	1.63	5	ug/Kg
SS102BA	AQ053	5/2/2001	CVOL	ACETONE	300	J	4.04	18	ug/Kg
SS102BA	AQ053	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	4.56	18	ug/Kg
SS102BA	AQ053	5/2/2001	CVOL	TOLUENE	2	J	1.17	18	ug/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ053	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	156	J	1.5	3.47	mg/Kg
SS102BA	AQ053	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	2.9		0.0043	0.01	mg/Kg
SS102BA	AQ053	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	110	J	1	3.02	mg/Kg
SS102BA	AQ053	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	100000	J	0	0	mg/Kg
SS102BA	AQ054	5/2/2001	CPEST	P,P'-DDE	9.7		0.523	4.4	ug/Kg
SS102BA	AQ054	5/2/2001	CPEST	P,P'-DDT	14	J	1.63	4.4	ug/Kg
SS102BA	AQ054	5/2/2001	CVOL	ACETONE	240	J	4.04	14	ug/Kg
SS102BA	AQ054	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	15	J	4.56	14	ug/Kg
SS102BA	AQ054	5/2/2001	CVOL	TOLUENE	1	J	1	14	ug/Kg
SS102BA	AQ054	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	80.3	J	1.5	3.03	mg/Kg
SS102BA	AQ054	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	1.4		0.0043	0.01	mg/Kg
SS102BA	AQ054	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	148	J	1	2.41	mg/Kg
SS102BA	AQ054	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	39600	J	0	0	mg/Kg
SS102BA	AQ055	5/2/2001	CPEST	P,P'-DDE	12		0.523	4.4	ug/Kg
SS102BA	AQ055	5/2/2001	CPEST	P,P'-DDT	19	J	1.63	4.4	ug/Kg
SS102BA	AQ055	5/2/2001	CVOL	ACETONE	230	J	4.04	16	ug/Kg
SS102BA	AQ055	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	17	J	4.56	16	ug/Kg
SS102BA	AQ055	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	39.1	J	1.5	3.02	mg/Kg
SS102BA	AQ055	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	4.2		0.0043	0.01	mg/Kg
SS102BA	AQ055	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	163	J	1	2.55	mg/Kg
SS102BA	AQ055	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	63700	J	0	0	mg/Kg
SS102BA	AQ055	5/2/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	260	J	22	120	ug/Kg
SS102BA	AQ056	5/2/2001	CPEST	P,P'-DDE	12		0.523	4.3	ug/Kg
SS102BA	AQ056	5/2/2001	CPEST	P,P'-DDT	12	J	1.63	4.3	ug/Kg
SS102BA	AQ056	5/2/2001	CVOL	ACETONE	110	J	4.04	14	ug/Kg
SS102BA	AQ056	5/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	14	ug/Kg
SS102BA	AQ056	5/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	31.1	J	1.5	3.03	mg/Kg
SS102BA	AQ056	5/2/2001	E353.2	NITRATE/NITRITE (AS N)	0.63		0.0043	0.01	mg/Kg
SS102BA	AQ056	5/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101	J	1	2.18	mg/Kg
SS102BA	AQ056	5/2/2001	LYDKHN	TOTAL ORGANIC CARBON	41300	J	0	0	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	ALUMINUM (TOTAL)	8570		2.43	2.43	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	ARSENIC (TOTAL)	3.8		1.23	1.23	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	BARIUM (TOTAL)	15.3		0.0602	0.0602	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.22		0.0192	0.0192	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	BORON (TOTAL)	2.3		0.209	0.209	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	CADMIUM (TOTAL)	0.22		0.0674	0.0674	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	CALCIUM (TOTAL)	187	J	1.85	1.85	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	CHROMIUM (TOTAL)	9		0.289	0.289	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	COBALT (TOTAL)	0.85		0.128	0.128	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ057	5/2/2001	CL200.7	COPPER (TOTAL)	6.7	J	0.183	0.183	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	IRON (TOTAL)	11400		3.06	3.06	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	LEAD (TOTAL)	15.8		3.01	3.01	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	499		1.56	1.56	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	MANGANESE (TOTAL)	32.7		0.0818	0.0818	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	MOLYBDENUM (TOTAL)	0.92	J	0.0577	0.0577	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	NICKEL (TOTAL)	3.7		0.289	0.289	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	POTASSIUM (TOTAL)	409		23.5	23.5	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	SELENIUM (TOTAL)	0.31	J	0.281	0.281	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	VANADIUM (TOTAL)	22.8		0.265	0.265	mg/Kg
SS102BA	AQ057	5/2/2001	CL200.7	ZINC (TOTAL)	15	J	0.0987	0.0987	mg/Kg
SS102BA	AQ057	5/2/2001	SW8270	BENZOIC ACID	450	J	240	1200	ug/Kg
SS102BA	AQ058	5/2/2001	CL200.7	ALUMINUM (TOTAL)	5880		2.38	2.38	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	ARSENIC (TOTAL)	2.9		1.2	1.2	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	BARIUM (TOTAL)	17.1		0.0588	0.0588	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.18		0.0188	0.0188	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	BORON (TOTAL)	2.8		0.205	0.205	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	CADMIUM (TOTAL)	0.26		0.0659	0.0659	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	CALCIUM (TOTAL)	311	J	1.81	1.81	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	CHROMIUM (TOTAL)	7		0.282	0.282	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	COBALT (TOTAL)	0.96		0.125	0.125	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	COPPER (TOTAL)	7.3	J	0.179	0.179	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	IRON (TOTAL)	8770		2.99	2.99	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	LEAD (TOTAL)	29.4		3.21	3.21	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	516		1.53	1.53	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	MANGANESE (TOTAL)	45.6		0.08	0.08	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	NICKEL (TOTAL)	3.9		0.282	0.282	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	POTASSIUM (TOTAL)	441		23	23	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	VANADIUM (TOTAL)	20.1		0.259	0.259	mg/Kg
SS102BA	AQ058	5/2/2001	CL200.7	ZINC (TOTAL)	22.9	J	0.0965	0.0965	mg/Kg
SS102BA	AQ058	5/2/2001	SW8270	BENZOIC ACID	840	J	230	1100	ug/Kg
SS102BA	AQ059	5/2/2001	CL200.7	ALUMINUM (TOTAL)	8090		1.98	1.98	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	ARSENIC (TOTAL)	3.5		1	1	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	BARIUM (TOTAL)	13.3		0.0491	0.0491	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.34		0.0157	0.0157	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	BORON (TOTAL)	3.3		0.171	0.171	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	CALCIUM (TOTAL)	158	J	1.51	1.51	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	CHROMIUM (TOTAL)	10.6		0.236	0.236	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	COBALT (TOTAL)	3.1		0.104	0.104	mg/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ059	5/2/2001	CL200.7	COPPER (TOTAL)	5	J	0.149	0.149	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	IRON (TOTAL)	11000		2.5	2.5	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	LEAD (TOTAL)	7.1		1.47	1.47	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	1460		1.28	1.28	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	MANGANESE (TOTAL)	96.5		0.0668	0.0668	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	MOLYBDENUM (TOTAL)	0.42	J	0.42	0.47	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	NICKEL (TOTAL)	5.9		0.236	0.236	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	POTASSIUM (TOTAL)	727		19.2	19.2	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	VANADIUM (TOTAL)	18.2		0.216	0.216	mg/Kg
SS102BA	AQ059	5/2/2001	CL200.7	ZINC (TOTAL)	22	J	0.0806	0.0806	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	ALUMINUM (TOTAL)	9660		2.47	2.47	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	ARSENIC (TOTAL)	3.2		1.25	1.25	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	BARIUM (TOTAL)	17		0.0611	0.0611	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.26		0.0196	0.0196	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	BORON (TOTAL)	3.1		0.213	0.213	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	CADMIUM (TOTAL)	0.09	J	0.0685	0.0685	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	CALCIUM (TOTAL)	257	J	1.88	1.88	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	CHROMIUM (TOTAL)	10.9		0.294	0.294	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	COBALT (TOTAL)	1.5		0.13	0.13	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	COPPER (TOTAL)	5.4	J	0.186	0.186	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	IRON (TOTAL)	12000		3.11	3.11	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	LEAD (TOTAL)	16.7		3.64	3.64	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	854		1.59	1.59	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	MANGANESE (TOTAL)	62		0.0831	0.0831	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	MOLYBDENUM (TOTAL)	0.24	J	0.24	0.59	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	NICKEL (TOTAL)	5.7		0.294	0.294	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	POTASSIUM (TOTAL)	585		23.9	23.9	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	VANADIUM (TOTAL)	24.8		0.269	0.269	mg/Kg
SS102BA	AQ060	5/2/2001	CL200.7	ZINC (TOTAL)	21.6	J	0.1	0.1	mg/Kg
SS102BA	AQ060	5/2/2001	SW8270	BENZOIC ACID	260	J	240	1200	ug/Kg
SS102BA	AQ061	5/2/2001	CL200.7	ALUMINUM (TOTAL)	7990		1.95	1.95	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	ARSENIC (TOTAL)	3.5		0.987	0.987	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	BARIUM (TOTAL)	11		0.0484	0.0484	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.34		0.0155	0.0155	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	BORON (TOTAL)	2.6		0.168	0.168	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	CALCIUM (TOTAL)	98.8	J	1.49	1.49	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	CHROMIUM (TOTAL)	10.4		0.232	0.232	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	COBALT (TOTAL)	3.3		0.103	0.103	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	COPPER (TOTAL)	4.5	J	0.147	0.147	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ061	5/2/2001	CL200.7	IRON (TOTAL)	10700		2.46	2.46	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	LEAD (TOTAL)	5.2		1.23	1.23	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	1420		1.26	1.26	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	MANGANESE (TOTAL)	87		0.0658	0.0658	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	MOLYBDENUM (TOTAL)	0.5	J	0.0464	0.0464	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	NICKEL (TOTAL)	5.8		0.232	0.232	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	POTASSIUM (TOTAL)	687		18.9	18.9	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	VANADIUM (TOTAL)	17.2		0.213	0.213	mg/Kg
SS102BA	AQ061	5/2/2001	CL200.7	ZINC (TOTAL)	17.1	J	0.0793	0.0793	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	ALUMINUM (TOTAL)	8900		2.52	2.52	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	ARSENIC (TOTAL)	3.7		1.27	1.27	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	BARIUM (TOTAL)	19		0.0623	0.0623	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.22		0.0199	0.0199	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	BORON (TOTAL)	3.1		0.217	0.217	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	CADMIUM (TOTAL)	0.28		0.0697	0.0697	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	CALCIUM (TOTAL)	215	J	1.92	1.92	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	CHROMIUM (TOTAL)	9.4		0.299	0.299	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	COBALT (TOTAL)	0.87		0.132	0.132	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	COPPER (TOTAL)	7.4	J	0.189	0.189	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	IRON (TOTAL)	11800		3.16	3.16	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	LEAD (TOTAL)	22.3		3.51	3.51	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	525		1.62	1.62	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	MANGANESE (TOTAL)	32.8		0.0847	0.0847	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	NICKEL (TOTAL)	4.1		0.299	0.299	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	POTASSIUM (TOTAL)	444		24.3	24.3	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	VANADIUM (TOTAL)	24.4		0.274	0.274	mg/Kg
SS102BA	AQ062	5/2/2001	CL200.7	ZINC (TOTAL)	15.5	J	0.102	0.102	mg/Kg
SS102BA	AQ062	5/2/2001	SW8270	BENZOIC ACID	280	J	240	1200	ug/Kg
SS102BA	AQ063	5/2/2001	CL200.7	ALUMINUM (TOTAL)	10100		2.45	2.45	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	ARSENIC (TOTAL)	5.7		1.24	1.24	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	BARIUM (TOTAL)	18.2		0.0608	0.0608	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.22		0.0194	0.0194	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	BORON (TOTAL)	3.7		0.212	0.212	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	CADMIUM (TOTAL)	0.16		0.0681	0.0681	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	CALCIUM (TOTAL)	265	J	1.87	1.87	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	CHROMIUM (TOTAL)	10.6		0.292	0.292	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	COBALT (TOTAL)	1.1		0.129	0.129	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	COPPER (TOTAL)	6.9	J	0.185	0.185	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	IRON (TOTAL)	11300		3.09	3.09	mg/Kg

J = Estimated
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ063	5/2/2001	CL200.7	LEAD (TOTAL)	32.3		3.31	3.31	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	607		1.58	1.58	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	MANGANESE (TOTAL)	32.4		0.0826	0.0826	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	MOLYBDENUM (TOTAL)	0.42	J	0.42	0.58	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	NICKEL (TOTAL)	4.7		0.292	0.292	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	POTASSIUM (TOTAL)	479		23.7	23.7	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	VANADIUM (TOTAL)	23.6		0.267	0.267	mg/Kg
SS102BA	AQ063	5/2/2001	CL200.7	ZINC (TOTAL)	20.3	J	0.0997	0.0997	mg/Kg
SS102BA	AQ063	5/2/2001	SW8270	BENZOIC ACID	420	J	250	1200	ug/Kg
SS102BA	AQ064	5/2/2001	CL200.7	ALUMINUM (TOTAL)	9690		2.07	2.07	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	ARSENIC (TOTAL)	4.3		1.04	1.04	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	BARIUM (TOTAL)	11.3		0.0512	0.0512	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.34		0.0164	0.0164	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	BORON (TOTAL)	3		0.178	0.178	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	CALCIUM (TOTAL)	175	J	1.58	1.58	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	CHROMIUM (TOTAL)	12.1		0.246	0.246	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	COBALT (TOTAL)	3.2		0.109	0.109	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	COPPER (TOTAL)	4.2	J	0.156	0.156	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	IRON (TOTAL)	12000		2.6	2.6	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	LEAD (TOTAL)	6.3	J	1.3	1.3	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	1420		1.33	1.33	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	MANGANESE (TOTAL)	75		0.0696	0.0696	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	NICKEL (TOTAL)	6.3		0.246	0.246	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	POTASSIUM (TOTAL)	667		20	20	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	VANADIUM (TOTAL)	18.3		0.225	0.225	mg/Kg
SS102BA	AQ064	5/2/2001	CL200.7	ZINC (TOTAL)	16.3	J	0.0839	0.0839	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	ALUMINUM (TOTAL)	10100		2.23	2.23	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	ARSENIC (TOTAL)	3.7		1.13	1.13	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	BARIUM (TOTAL)	15		0.0553	0.0553	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.29		0.0177	0.0177	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	BORON (TOTAL)	4.2		0.192	0.192	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	CADMIUM (TOTAL)	0.088	J	0.0619	0.0619	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	CALCIUM (TOTAL)	161	J	1.7	1.7	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	CHROMIUM (TOTAL)	11.4		0.265	0.265	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	COBALT (TOTAL)	1.6		0.117	0.117	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	COPPER (TOTAL)	5.6	J	0.168	0.168	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	IRON (TOTAL)	11900		2.81	2.81	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	LEAD (TOTAL)	12.6		3.15	3.15	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	963		1.44	1.44	mg/Kg

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mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ065	5/2/2001	CL200.7	MANGANESE (TOTAL)	52.7		0.0752	0.0752	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	MOLYBDENUM (TOTAL)	0.57	J	0.0531	0.0531	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	NICKEL (TOTAL)	5.2		0.265	0.265	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	POTASSIUM (TOTAL)	553		21.6	21.6	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	VANADIUM (TOTAL)	21.9		0.243	0.243	mg/Kg
SS102BA	AQ065	5/2/2001	CL200.7	ZINC (TOTAL)	19.9	J	0.0907	0.0907	mg/Kg
SS102BA	AQ065	5/2/2001	SW8270	BENZOIC ACID	610	J	220	1100	ug/Kg
SS102BA	AQ066	5/2/2001	CL200.7	ALUMINUM (TOTAL)	8320		6.07	6.07	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	ARSENIC (TOTAL)	3.1		0.614	0.614	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	BARIUM (TOTAL)	15.9		0.029	0.029	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	BORON (TOTAL)	3.9		0.207	0.207	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	CALCIUM (TOTAL)	124		3.89	3.89	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	CHROMIUM (TOTAL)	10.3		0.248	0.248	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	COBALT (TOTAL)	2.4		0.373	0.373	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	COPPER (TOTAL)	5		0.248	0.248	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	IRON (TOTAL)	10800		3.89	3.89	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	LEAD (TOTAL)	12.2		2.88	2.88	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	1080		3.95	3.95	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	MANGANESE (TOTAL)	66.2		0.108	0.108	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	NICKEL (TOTAL)	5.3		0.373	0.373	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	POTASSIUM (TOTAL)	589		200	200	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	VANADIUM (TOTAL)	18.5		0.228	0.228	mg/Kg
SS102BA	AQ066	5/2/2001	CL200.7	ZINC (TOTAL)	15.7		0.118	0.118	mg/Kg
SS102BA	AQ066	5/2/2001	SW8270	BENZOIC ACID	290	J	240	1100	ug/Kg
SS102BA	AQ067	5/2/2001	CL200.7	ALUMINUM (TOTAL)	8100		6.31	6.31	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	ARSENIC (TOTAL)	3.1		0.672	0.672	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	BARIUM (TOTAL)	13.8		0.0302	0.0302	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	CALCIUM (TOTAL)	102		4.05	4.05	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	CHROMIUM (TOTAL)	10.8		0.259	0.259	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	COBALT (TOTAL)	2.7		0.388	0.388	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	COPPER (TOTAL)	5		0.259	0.259	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	IRON (TOTAL)	11100		4.05	4.05	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	LEAD (TOTAL)	11.6		1.58	1.58	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	1230		4.12	4.12	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	MANGANESE (TOTAL)	84.4		0.112	0.112	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	NICKEL (TOTAL)	5.1		0.388	0.388	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	POTASSIUM (TOTAL)	538		209	209	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	VANADIUM (TOTAL)	18.5		0.237	0.237	mg/Kg
SS102BA	AQ067	5/2/2001	CL200.7	ZINC (TOTAL)	25.1		0.123	0.123	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ068	5/2/2001	CL200.7	ALUMINUM (TOTAL)	7070		6.25	6.25	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	ARSENIC (TOTAL)	2.5	J	0.71	0.71	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	BARIUM (TOTAL)	19.2		0.0299	0.0299	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	CALCIUM (TOTAL)	274		4.01	4.01	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	CHROMIUM (TOTAL)	7.5		0.256	0.256	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	COPPER (TOTAL)	91.7		0.256	0.256	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	IRON (TOTAL)	9780		4.01	4.01	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	LEAD (TOTAL)	29.2		3.35	3.35	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	357		4.08	4.08	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	MANGANESE (TOTAL)	26.6		0.111	0.111	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	MOLYBDENUM (TOTAL)	1.1	J	0.726	0.726	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	NICKEL (TOTAL)	2.9		0.384	0.384	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	SELENIUM (TOTAL)	0.37	J	0.31	0.31	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	VANADIUM (TOTAL)	20.5		0.235	0.235	mg/Kg
SS102BA	AQ068	5/2/2001	CL200.7	ZINC (TOTAL)	17		0.122	0.122	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	ALUMINUM (TOTAL)	8930		7.12	7.12	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	ARSENIC (TOTAL)	3	J	0.814	0.814	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	BARIUM (TOTAL)	25.8		0.034	0.034	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	CADMIUM (TOTAL)	0.27	J	0.0899	0.0899	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	CALCIUM (TOTAL)	576		4.57	4.57	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	CHROMIUM (TOTAL)	10.2		0.292	0.292	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	COBALT (TOTAL)	0.54	J	0.437	0.437	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	COPPER (TOTAL)	104		0.292	0.292	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	IRON (TOTAL)	10900		4.57	4.57	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	LEAD (TOTAL)	29.2		3.81	3.81	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	661		4.64	4.64	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	MANGANESE (TOTAL)	46.5		0.126	0.126	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	NICKEL (TOTAL)	4.5		0.437	0.437	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	POTASSIUM (TOTAL)	382	J	235	235	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	VANADIUM (TOTAL)	25.3		0.267	0.267	mg/Kg
SS102BA	AQ069	5/2/2001	CL200.7	ZINC (TOTAL)	313		0.139	0.139	mg/Kg
SS102BA	AQ069	5/2/2001	CL245.5	MERCURY (TOTAL)	0.09	J	0.073	0.073	mg/Kg
SS102BA	AQ069	5/2/2001	SW8270	BENZOIC ACID	260	J	240	1200	ug/Kg
SS102BA	AQ070	5/2/2001	CL200.7	ALUMINUM (TOTAL)	6630		6.87	6.87	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	ARSENIC (TOTAL)	2.52	J	0.744	0.744	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	BARIUM (TOTAL)	16		0.0328	0.0328	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	CALCIUM (TOTAL)	235		4.41	4.41	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	CHROMIUM (TOTAL)	7.9		0.281	0.281	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	COPPER (TOTAL)	5.3		0.281	0.281	mg/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ070	5/2/2001	CL200.7	IRON (TOTAL)	9610		4.41	4.41	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	LEAD (TOTAL)	18.8		3.49	3.49	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	477		4.48	4.48	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	MANGANESE (TOTAL)	29		0.122	0.122	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	MOLYBDENUM (TOTAL)	0.87	J	0.797	0.797	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	NICKEL (TOTAL)	3.1		0.422	0.422	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	POTASSIUM (TOTAL)	322	J	227	227	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	VANADIUM (TOTAL)	19.9		0.258	0.258	mg/Kg
SS102BA	AQ070	5/2/2001	CL200.7	ZINC (TOTAL)	11.3		0.134	0.134	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	ALUMINUM (TOTAL)	6930		6.71	6.71	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	ARSENIC (TOTAL)	1.58	J	0.73	0.73	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	BARIUM (TOTAL)	20.6		0.0321	0.0321	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	CALCIUM (TOTAL)	320		4.31	4.31	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	CHROMIUM (TOTAL)	8.2		0.275	0.275	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	COBALT (TOTAL)	0.59	J	0.412	0.412	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	COPPER (TOTAL)	6.4		0.275	0.275	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	IRON (TOTAL)	9630		4.31	4.31	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	LEAD (TOTAL)	25.7		3.42	3.42	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	516		4.38	4.38	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	MANGANESE (TOTAL)	42		0.119	0.119	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	NICKEL (TOTAL)	4.3		0.412	0.412	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	POTASSIUM (TOTAL)	483		222	222	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	VANADIUM (TOTAL)	23.1		0.252	0.252	mg/Kg
SS102BA	AQ071	5/2/2001	CL200.7	ZINC (TOTAL)	20.3		0.131	0.131	mg/Kg
SS102BA	AQ071	5/2/2001	SW8270	BENZOIC ACID	420	J	230	1100	ug/Kg
SS102BA	AQ072	5/2/2001	CL200.7	ALUMINUM (TOTAL)	6580		5.93	5.93	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	ARSENIC (TOTAL)	2.8	J	0.629	0.629	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	BARIUM (TOTAL)	15		0.0283	0.0283	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	CALCIUM (TOTAL)	116		3.81	3.81	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	CHROMIUM (TOTAL)	7.9		0.243	0.243	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	COBALT (TOTAL)	0.65	J	0.365	0.365	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	COPPER (TOTAL)	4		0.243	0.243	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	IRON (TOTAL)	8850		3.81	3.81	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	LEAD (TOTAL)	12.6		2.95	2.95	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	MAGNESIUM (TOTAL)	531		3.87	3.87	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	MANGANESE (TOTAL)	39.2		0.105	0.105	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	NICKEL (TOTAL)	3.1		0.365	0.365	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	POTASSIUM (TOTAL)	221	J	196	196	mg/Kg
SS102BA	AQ072	5/2/2001	CL200.7	VANADIUM (TOTAL)	17.4		0.223	0.223	mg/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102BA	AQ072	5/2/2001	CL200.7	ZINC (TOTAL)	15.1		0.115	0.115	mg/Kg
SS102BA	AQ073	5/2/2001	LAL40	URANIUM-234	0.82		0.0001	0.16	PCI/G
SS102BA	AQ073	5/2/2001	LAL40	URANIUM-238	1.05		0.0001	0.14	PCI/G
SS102BA	AQ074	5/2/2001	LAL40	URANIUM-234	0.39		0.0001	0.1	PCI/G
SS102BA	AQ074	5/2/2001	LAL40	URANIUM-238	0.53		0.0001	0.07	PCI/G
SS102BA	AQ075	5/2/2001	LAL40	URANIUM-234	0.87		0.0001	0.07	PCI/G
SS102BA	AQ075	5/2/2001	LAL40	URANIUM-238	0.98		0.0001	0.07	PCI/G
SS102BA	AQ076	5/2/2001	LAL40	URANIUM-234	0.68		0.0001	0.14	PCI/G
SS102BA	AQ076	5/2/2001	LAL40	URANIUM-238	0.92		0.0001	0.14	PCI/G
SS102BA	AQ077	5/2/2001	LAL40	URANIUM-234	0.78	J	0.0001	0.07	PCI/G
SS102BA	AQ077	5/2/2001	LAL40	URANIUM-238	1.3	J	0.0001	0.07	PCI/G
SS102BA	AQ078	5/2/2001	LAL40	URANIUM-234	0.7		0.0001	0.09	PCI/G
SS102BA	AQ078	5/2/2001	LAL40	URANIUM-238	0.44		0.0001	0.08	PCI/G
SS102BA	AQ079	5/2/2001	LAL40	URANIUM-234	0.86		0.0001	0.14	PCI/G
SS102BA	AQ079	5/2/2001	LAL40	URANIUM-238	0.77		0.0001	0.11	PCI/G
SS102BA	AQ080	5/2/2001	LAL40	URANIUM-234	0.76		0.0001	0.12	PCI/G
SS102BA	AQ080	5/2/2001	LAL40	URANIUM-238	1.01		0.0001	0.1	PCI/G
SS102BA	AQ081	5/2/2001	LAL40	URANIUM-234	0.75		0.0001	0.19	PCI/G
SS102BA	AQ081	5/2/2001	LAL40	URANIUM-238	0.96		0.0001	0.27	PCI/G
SS102BA	AQ082	5/2/2001	LAL40	URANIUM-234	0.83		0.0001	0.16	PCI/G
SS102BA	AQ082	5/2/2001	LAL40	URANIUM-238	0.76		0.0001	0.13	PCI/G
SS102BA	AQ083	5/2/2001	LAL40	URANIUM-234	0.99		0.0001	0.18	PCI/G
SS102BA	AQ083	5/2/2001	LAL40	URANIUM-238	0.86		0.0001	0.08	PCI/G
SS102BA	AQ084	5/2/2001	LAL40	URANIUM-234	0.54		0.0001	0.14	PCI/G
SS102BA	AQ084	5/2/2001	LAL40	URANIUM-238	0.84		0.0001	0.12	PCI/G
SS102BA	AQ085	5/2/2001	LAL40	URANIUM-234	0.56		0.0001	0.13	PCI/G
SS102BA	AQ085	5/2/2001	LAL40	URANIUM-238	0.67		0.0001	0.12	PCI/G
SS102BA	AQ086	5/2/2001	LAL40	URANIUM-234	0.67		0.0001	0.14	PCI/G
SS102BA	AQ086	5/2/2001	LAL40	URANIUM-238	0.59		0.0001	0.16	PCI/G
SS102BA	AQ087	5/2/2001	LAL40	URANIUM-234	0.8		0.0001	0.26	PCI/G
SS102BA	AQ087	5/2/2001	LAL40	URANIUM-238	0.74		0.0001	0.25	PCI/G
SS102BA	AQ088	5/2/2001	LAL40	URANIUM-234	0.66		0.0001	0.14	PCI/G
SS102BA	AQ088	5/2/2001	LAL40	URANIUM-238	0.69		0.0001	0.1	PCI/G
SS102VA	AL234	10/26/2000	CL200.7	ALUMINUM (TOTAL)	8030		2.5	6.3	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	ANTIMONY (TOTAL)	0.54	J	0.5	0.533	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	ARSENIC (TOTAL)	2.9	J	0.555	0.555	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	BARIUM (TOTAL)	19.5		0.666	0.666	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.23		0.03	0.0444	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	CADMIUM (TOTAL)	0.64		0.0666	0.0666	mg/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VA	AL234	10/26/2000	CL200.7	CALCIUM (TOTAL)	909		29	31.3	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	CHROMIUM (TOTAL)	22		0.111	0.111	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	COBALT (TOTAL)	4.4		0.2	0.2	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	COPPER (TOTAL)	49.7		0.289	0.289	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	IRON (TOTAL)	16300		4.21	5.19	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	LEAD (TOTAL)	43.4	J	0.32	0.355	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	2400		28.1	28.1	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	MANGANESE (TOTAL)	162	J	0.08	0.133	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	MOLYBDENUM (TOTAL)	0.91		0.289	0.289	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	NICKEL (TOTAL)	9.3		0.3	0.377	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	POTASSIUM (TOTAL)	763		47.2	53.1	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	THALLIUM (TOTAL)	1.3		0.422	0.422	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	VANADIUM (TOTAL)	24.4		0.36	0.377	mg/Kg
SS102VA	AL234	10/26/2000	CL200.7	ZINC (TOTAL)	192		0.178	0.178	mg/Kg
SS102VA	AL234	10/26/2000	CL245.5	MERCURY (TOTAL)	0.73		0.0434	0.0611	mg/Kg
SS102VA	AL234	10/26/2000	CPEST	ENDRIN ALDEHYDE	5.3	NJ	0.19	4	ug/Kg
SS102VA	AL234	10/26/2000	CPEST	HEPTACHLOR	1.3	NJ	0.11	2.1	ug/Kg
SS102VA	AL234	10/26/2000	CPEST	P,P'-DDD	5	J	0.25	4	ug/Kg
SS102VA	AL234	10/26/2000	CPEST	P,P'-DDT	2.3	J	0.26	4	ug/Kg
SS102VA	AL234	10/26/2000	CPEST	PCB-1254 (AROCHLOR 1254)	29	J	9.4	40	ug/Kg
SS102VA	AL234	10/26/2000	CVOL	ACETONE	310	J	4.34	18	ug/Kg
SS102VA	AL234	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	42		1.8	18	ug/Kg
SS102VA	AL234	10/26/2000	CVOL	TOLUENE	6	J	0.32	18	ug/Kg
SS102VA	AL234	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	16		0.02	0.02	mg/Kg
SS102VA	AL234	10/26/2000	E353.2	NITRATE/NITRITE (AS N)	0.4		0.01	0.01	mg/Kg
SS102VA	AL234	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	442	J	0.01	0.01	mg/Kg
SS102VA	AL234	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	42200	J	0	0	mg/Kg
SS102VA	AL234	10/26/2000	SW8151A	MCPP	15000	NJ	1365	10000	ug/Kg
SS102VA	AL234	10/26/2000	SW8151A	PICLORAM	6.3	NJ	2.9	5.7	ug/Kg
SS102VA	AL234	10/26/2000	SW8270	BENZYL BUTYL PHTHALATE	48	J	48	400	ug/Kg
SS102VA	AL234	10/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	650	J	123	400	ug/Kg
SS102VA	AL234	10/26/2000	SW8270	DI-N-BUTYL PHTHALATE	190	J	88.6	400	ug/Kg
SS102VA	AL234	10/26/2000	SW8270	N-NITROSODIPHENYLAMINE	23	J	23	400	ug/Kg
SS102VA	AL234	10/26/2000	SW8330	2-AMINO-4,6-DINITROTOLUENE	520	J	27	120	ug/Kg
SS102VA	AL234	10/26/2000	SW8330	4-AMINO-2,6-DINITROTOLUENE	1400		25	120	ug/Kg
SS102VA	AL234	10/26/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	370000	J	23	4800	ug/Kg
SS102VA	AL235	10/26/2000	CL200.7	ALUMINUM (TOTAL)	10300		2.5	5.8	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	ARSENIC (TOTAL)	4.2	J	0.75	1.84	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	BARIUM (TOTAL)	14.1		0.612	0.612	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VA	AL235	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.22		0.03	0.0408	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	CADMIUM (TOTAL)	0.59		0.0612	0.0612	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	CALCIUM (TOTAL)	424		28.8	28.8	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	CHROMIUM (TOTAL)	15.7		0.102	0.102	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	COBALT (TOTAL)	3.3		0.184	0.184	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	COPPER (TOTAL)	31.5		0.265	0.265	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	IRON (TOTAL)	12200		4.21	4.78	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	LEAD (TOTAL)	24.6	J	0.32	0.327	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	1490		25.9	25.9	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	MANGANESE (TOTAL)	101	J	0.08	0.122	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	MOLYBDENUM (TOTAL)	0.92		0.265	0.265	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	NICKEL (TOTAL)	6.7		0.3	0.347	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	POTASSIUM (TOTAL)	634		47.2	48.8	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	THALLIUM (TOTAL)	1.6		0.388	0.388	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	VANADIUM (TOTAL)	19		0.347	0.347	mg/Kg
SS102VA	AL235	10/26/2000	CL200.7	ZINC (TOTAL)	125		0.163	0.163	mg/Kg
SS102VA	AL235	10/26/2000	CL245.5	MERCURY (TOTAL)	0.23		0.0434	0.0588	mg/Kg
SS102VA	AL235	10/26/2000	CVOL	ACETONE	71	J	4.34	11	ug/Kg
SS102VA	AL235	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	1.8	11	ug/Kg
SS102VA	AL235	10/26/2000	CVOL	TOLUENE	3	J	0.32	11	ug/Kg
SS102VA	AL235	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.5	J	0.02	0.02	mg/Kg
SS102VA	AL235	10/26/2000	E353.2	NITRATE/NITRITE (AS N)	0.62		0.01	0.01	mg/Kg
SS102VA	AL235	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	127	J	0.01	0.01	mg/Kg
SS102VA	AL235	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	9440	J	0	0	mg/Kg
SS102VA	AL235	10/26/2000	SW8151A	MCPP	22000	NJ	1365	10000	ug/Kg
SS102VA	AL235	10/26/2000	SW8270	BENZYL BUTYL PHTHALATE	24	J	24	400	ug/Kg
SS102VA	AL235	10/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	380	J	123	400	ug/Kg
SS102VA	AL235	10/26/2000	SW8270	DI-N-BUTYL PHTHALATE	21	J	21	400	ug/Kg
SS102VA	AL235	10/26/2000	SW8330	2-AMINO-4,6-DINITROTOLUENE	210	J	27	120	ug/Kg
SS102VA	AL235	10/26/2000	SW8330	4-AMINO-2,6-DINITROTOLUENE	380		25	120	ug/Kg
SS102VA	AL235	10/26/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	50000	J	23	840	ug/Kg
SS102VA	AL236	10/26/2000	CL200.7	ALUMINUM (TOTAL)	8770		2.5	5.7	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	ARSENIC (TOTAL)	3.5	J	0.75	1.81	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	BARIUM (TOTAL)	10.9		0.603	0.603	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.27		0.03	0.0402	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	CALCIUM (TOTAL)	224		28.3	28.3	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	CHROMIUM (TOTAL)	12.1		0.1	0.1	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	COBALT (TOTAL)	3.7		0.181	0.181	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	COPPER (TOTAL)	8.5		0.261	0.261	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VA	AL236	10/26/2000	CL200.7	IRON (TOTAL)	11200		4.21	4.7	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	LEAD (TOTAL)	8.2	J	0.32	0.321	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	1410		25.5	25.5	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	MANGANESE (TOTAL)	81.8	J	0.08	0.121	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	MOLYBDENUM (TOTAL)	0.38	J	0.261	0.261	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	NICKEL (TOTAL)	6.4		0.3	0.342	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	POTASSIUM (TOTAL)	612		47.2	48.1	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	THALLIUM (TOTAL)	0.93		0.382	0.382	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	VANADIUM (TOTAL)	15.1		0.342	0.342	mg/Kg
SS102VA	AL236	10/26/2000	CL200.7	ZINC (TOTAL)	41.2		0.161	0.161	mg/Kg
SS102VA	AL236	10/26/2000	CL245.5	MERCURY (TOTAL)	0.15		0.0434	0.0534	mg/Kg
SS102VA	AL236	10/26/2000	CVOL	ACETONE	230	J	4.34	10	ug/Kg
SS102VA	AL236	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	28	J	1.8	10	ug/Kg
SS102VA	AL236	10/26/2000	CVOL	TOLUENE	6	J	0.32	10	ug/Kg
SS102VA	AL236	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	0.02	0.02	mg/Kg
SS102VA	AL236	10/26/2000	E353.2	NITRATE/NITRITE (AS N)	0.43		0.01	0.01	mg/Kg
SS102VA	AL236	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92.2	J	0.01	0.01	mg/Kg
SS102VA	AL236	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	8010	J	0	0	mg/Kg
SS102VA	AL236	10/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	360	J	123	380	ug/Kg
SS102VA	AL236	10/26/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	34000	J	23	600	ug/Kg
SS102VA	AT362	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	75	J	75	370	ug/Kg
SS102VA	AT362	10/11/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	870		17.6	120	ug/Kg
SS102VB	AT363	10/12/2001	CL200.7	ALUMINUM (TOTAL)	10900		1.8	1.8	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	ARSENIC (TOTAL)	4.1		0.93	0.93	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	BARIUM (TOTAL)	19.5		0.95	0.95	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	BERYLLIUM (TOTAL)	0.42		0.05	0.05	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	BORON (TOTAL)	5.4	J	0.52	0.52	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	CADMIUM (TOTAL)	0.22		0.05	0.05	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	CALCIUM (TOTAL)	495		75.7	75.7	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	CHROMIUM (TOTAL)	14.8		0.17	0.17	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	COBALT (TOTAL)	4.5		0.33	0.33	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	COPPER (TOTAL)	9.5		0.24	0.24	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	IRON (TOTAL)	13700		3.7	3.7	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	LEAD (TOTAL)	10.4		0.14	0.14	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	MAGNESIUM (TOTAL)	2090		46.2	46.2	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	MANGANESE (TOTAL)	125		0.14	0.14	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	MOLYBDENUM (TOTAL)	0.56	J	0.21	0.21	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	NICKEL (TOTAL)	8.8		0.5	0.5	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	POTASSIUM (TOTAL)	1090	J	27.8	27.8	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VB	AT363	10/12/2001	CL200.7	VANADIUM (TOTAL)	22.4		0.5	0.5	mg/Kg
SS102VB	AT363	10/12/2001	CL200.7	ZINC (TOTAL)	52.5		0.21	0.21	mg/Kg
SS102VB	AT363	10/12/2001	SW8270	BENZOIC ACID	44	J	44	980	ug/Kg
SS102VB	AT363	10/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	51	J	51	390	ug/Kg
SS102VB	AT364	10/12/2001	CL200.7	ALUMINUM (TOTAL)	10700		1.9	1.9	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	ANTIMONY (TOTAL)	1.8	J	0.54	0.54	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	ARSENIC (TOTAL)	1.4	J	0.96	0.96	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	BARIUM (TOTAL)	133		0.98	0.98	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	BERYLLIUM (TOTAL)	0.23		0.05	0.05	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	BORON (TOTAL)	5.1	J	0.54	0.54	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	CADMIUM (TOTAL)	1.6		0.05	0.05	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	CALCIUM (TOTAL)	6570		78.2	78.2	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	CHROMIUM (TOTAL)	76.1		0.17	0.17	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	COBALT (TOTAL)	11.5		0.34	0.34	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	COPPER (TOTAL)	93.5		0.25	0.25	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	IRON (TOTAL)	18900		3.8	3.8	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	LEAD (TOTAL)	9.4		0.15	0.15	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	MAGNESIUM (TOTAL)	7790		47.7	47.7	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	MANGANESE (TOTAL)	213		0.15	0.15	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	MOLYBDENUM (TOTAL)	6.1		0.22	0.22	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	NICKEL (TOTAL)	26.5		0.51	0.51	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	POTASSIUM (TOTAL)	5120		28.7	28.7	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	SELENIUM (TOTAL)	0.39	J	0.29	0.29	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	VANADIUM (TOTAL)	33.4		0.51	0.51	mg/Kg
SS102VB	AT364	10/12/2001	CL200.7	ZINC (TOTAL)	31.9		0.22	0.22	mg/Kg
SS102VB	AT364	10/12/2001	SW8270	BENZOIC ACID	23	J	23	1000	ug/Kg
SS102VD	AT371	10/12/2001	CL200.7	ALUMINUM (TOTAL)	9020		1.8	1.8	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	ARSENIC (TOTAL)	3.2		0.93	0.93	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	BARIUM (TOTAL)	13.6		0.95	0.95	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	BERYLLIUM (TOTAL)	0.31		0.05	0.05	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	BORON (TOTAL)	4.5	J	0.52	0.52	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	CADMIUM (TOTAL)	0.1		0.05	0.05	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	CALCIUM (TOTAL)	892		75.7	75.7	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	CHROMIUM (TOTAL)	10.8		0.17	0.17	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	COBALT (TOTAL)	2.8		0.33	0.33	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	COPPER (TOTAL)	5.5		0.24	0.24	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	IRON (TOTAL)	10400		3.7	3.7	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	LEAD (TOTAL)	8.4		0.14	0.14	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	MAGNESIUM (TOTAL)	1340		46.2	46.2	mg/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VD	AT371	10/12/2001	CL200.7	MANGANESE (TOTAL)	74.3		0.14	0.14	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	NICKEL (TOTAL)	5.7		0.5	0.5	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	POTASSIUM (TOTAL)	635	J	27.8	27.8	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	VANADIUM (TOTAL)	18.8		0.5	0.5	mg/Kg
SS102VD	AT371	10/12/2001	CL200.7	ZINC (TOTAL)	40		0.21	0.21	mg/Kg
SS102VD	AT371	10/12/2001	SW8270	BENZOIC ACID	39	J	39	1000	ug/Kg
SS102VD	AT371	10/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	21	J	21	400	ug/Kg
SS102VD	AT371	10/12/2001	SW8330	2,4,6-TRINITROTOLUENE	180		17.3	120	ug/Kg
SS102VD	AT371	10/12/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1400000		17.6	30000	ug/Kg
SS102VD	AT372	10/12/2001	CL200.7	ALUMINUM (TOTAL)	8380		1.8	1.8	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	ANTIMONY (TOTAL)	1.2	J	0.51	0.51	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	ARSENIC (TOTAL)	3.5		0.35	0.35	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	BARIUM (TOTAL)	52.5		0.93	0.93	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	BERYLLIUM (TOTAL)	0.41		0.05	0.05	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	BORON (TOTAL)	17.2	J	0.51	0.51	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	CADMIUM (TOTAL)	80.6		0.05	0.05	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	CALCIUM (TOTAL)	36600		74	74	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	CHROMIUM (TOTAL)	44.1		0.16	0.16	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	COBALT (TOTAL)	6		0.32	0.32	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	COPPER (TOTAL)	969		0.23	0.23	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	IRON (TOTAL)	11500		3.6	3.6	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	LEAD (TOTAL)	48.9		0.14	0.14	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	MAGNESIUM (TOTAL)	2460		45.2	45.2	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	MANGANESE (TOTAL)	173		0.14	0.14	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	MOLYBDENUM (TOTAL)	2.7		0.21	0.21	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	NICKEL (TOTAL)	74.5		0.49	0.49	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	POTASSIUM (TOTAL)	960	J	27.2	27.2	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	SILVER (TOTAL)	2.8		0.14	0.14	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	VANADIUM (TOTAL)	17		0.49	0.49	mg/Kg
SS102VD	AT372	10/12/2001	CL200.7	ZINC (TOTAL)	47.7		0.21	0.21	mg/Kg
SS102VD	AT372	10/12/2001	SW8270	BENZOIC ACID	52	J	52	1000	ug/Kg
SS102VD	AT372	10/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	21	J	21	400	ug/Kg
SS102VD	AT372	10/12/2001	SW8330	2-AMINO-4,6-DINITROTOLUENE	300	J	19.6	120	ug/Kg
SS102VD	AT372	10/12/2001	SW8330	4-AMINO-2,6-DINITROTOLUENE	220	J	22.2	120	ug/Kg
SS102VD	AT372	10/12/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	640000		17.6	18000	ug/Kg
SS102VE	AT375	10/12/2001	CL200.7	ALUMINUM (TOTAL)	9670		1.7	1.7	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	ARSENIC (TOTAL)	3.5		0.86	0.86	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	BARIUM (TOTAL)	12.9		0.88	0.88	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	BERYLLIUM (TOTAL)	0.3		0.04	0.04	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VE	AT375	10/12/2001	CL200.7	BORON (TOTAL)	4.7	J	0.48	0.48	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	CADMIUM (TOTAL)	0.12		0.04	0.04	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	CALCIUM (TOTAL)	753		70.1	70.1	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	CHROMIUM (TOTAL)	11.3		0.15	0.15	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	COBALT (TOTAL)	2.9		0.31	0.31	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	COPPER (TOTAL)	4.9		0.22	0.22	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	IRON (TOTAL)	10400		3.5	3.5	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	LEAD (TOTAL)	7.6		0.13	0.13	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	MAGNESIUM (TOTAL)	1170		42.8	42.8	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	MANGANESE (TOTAL)	62.2		0.13	0.13	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	MOLYBDENUM (TOTAL)	0.34	J	0.2	0.2	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	NICKEL (TOTAL)	5.5		0.46	0.46	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	POTASSIUM (TOTAL)	610	J	25.7	25.7	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	VANADIUM (TOTAL)	17.9		0.46	0.46	mg/Kg
SS102VE	AT375	10/12/2001	CL200.7	ZINC (TOTAL)	19.8		0.2	0.2	mg/Kg
SS102VE	AT375	10/12/2001	SW8270	BENZOIC ACID	42	J	42	950	ug/Kg
SS102VE	AT375	10/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	380	ug/Kg
SS102VE	AT375	10/12/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	900		17.6	120	ug/Kg
SS102VE	AT376	10/12/2001	CL200.7	ALUMINUM (TOTAL)	11500		1.5	1.5	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	ARSENIC (TOTAL)	3.4		0.75	0.75	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	BARIUM (TOTAL)	13.9		0.77	0.77	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	BERYLLIUM (TOTAL)	0.31		0.04	0.04	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	BORON (TOTAL)	5	J	0.42	0.42	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	CADMIUM (TOTAL)	0.12		0.04	0.04	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	CALCIUM (TOTAL)	687		61.2	61.2	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	CHROMIUM (TOTAL)	13.2		0.13	0.13	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	COBALT (TOTAL)	3		0.27	0.27	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	COPPER (TOTAL)	4.5		0.19	0.19	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	IRON (TOTAL)	11500		3	3	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	LEAD (TOTAL)	7.8		0.12	0.12	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	MAGNESIUM (TOTAL)	1140		37.3	37.3	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	MANGANESE (TOTAL)	54.2		0.12	0.12	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	MOLYBDENUM (TOTAL)	0.44	J	0.17	0.17	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	NICKEL (TOTAL)	5.9		0.4	0.4	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	POTASSIUM (TOTAL)	612	J	22.4	22.4	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	VANADIUM (TOTAL)	19.1		0.4	0.4	mg/Kg
SS102VE	AT376	10/12/2001	CL200.7	ZINC (TOTAL)	14.7		0.17	0.17	mg/Kg
SS102VE	AT376	10/12/2001	SW8270	2-CHLOROBENZOIC ACID	220	J	220	2200	ug/Kg
SS102VE	AT376	10/12/2001	SW8270	BENZOIC ACID	160	J	160	940	ug/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VE	AT376	10/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	26	370	ug/Kg
SS102VE	AT376	10/12/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	220		17.6	120	ug/Kg
SS102VH	AT387	10/12/2001	CL200.7	ALUMINUM (TOTAL)	11300		1.8	1.8	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	ARSENIC (TOTAL)	3.6		0.89	0.89	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	BARIUM (TOTAL)	16.6		0.91	0.91	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	BERYLLIUM (TOTAL)	0.37		0.05	0.05	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	BORON (TOTAL)	5.2	J	0.5	0.5	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	CADMIUM (TOTAL)	0.13		0.05	0.05	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	CALCIUM (TOTAL)	319		72.6	72.6	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	CHROMIUM (TOTAL)	13		0.16	0.16	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	COBALT (TOTAL)	3.1		0.32	0.32	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	COPPER (TOTAL)	7.3		0.23	0.23	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	IRON (TOTAL)	12300		3.6	3.6	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	LEAD (TOTAL)	11.8		0.14	0.14	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	MAGNESIUM (TOTAL)	1300		44.3	44.3	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	MANGANESE (TOTAL)	68.4		0.14	0.14	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	MOLYBDENUM (TOTAL)	0.24	J	0.2	0.2	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	NICKEL (TOTAL)	6.2		0.48	0.48	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	POTASSIUM (TOTAL)	685	J	26.6	26.6	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	VANADIUM (TOTAL)	22.6		0.48	0.48	mg/Kg
SS102VH	AT387	10/12/2001	CL200.7	ZINC (TOTAL)	30		0.2	0.2	mg/Kg
SS102VH	AT387	10/12/2001	SW8270	BENZOIC ACID	43	J	43	960	ug/Kg
SS102VH	AT387	10/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	380	ug/Kg
SS102VH	AT387	10/12/2001	SW8270	FLUORANTHENE	21	J	21	380	ug/Kg
SS102VH	AT387	10/12/2001	SW8270	PYRENE	22	J	22	380	ug/Kg
SS102VH	AT388	10/12/2001	CL200.7	ALUMINUM (TOTAL)	11200		1.8	1.8	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	ARSENIC (TOTAL)	3.3		0.35	0.35	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	BARIUM (TOTAL)	16.4		0.93	0.93	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	BERYLLIUM (TOTAL)	0.38		0.05	0.05	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	BORON (TOTAL)	5.1	J	0.51	0.51	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	CADMIUM (TOTAL)	0.14		0.05	0.05	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	CALCIUM (TOTAL)	264		74.5	74.5	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	CHROMIUM (TOTAL)	12.5		0.16	0.16	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	COBALT (TOTAL)	3		0.33	0.33	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	COPPER (TOTAL)	5.5		0.23	0.23	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	IRON (TOTAL)	12100		3.7	3.7	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	LEAD (TOTAL)	10.5		0.14	0.14	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	MAGNESIUM (TOTAL)	1310		45.4	45.4	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	MANGANESE (TOTAL)	70.7		0.14	0.14	mg/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VH	AT388	10/12/2001	CL200.7	MOLYBDENUM (TOTAL)	0.22	J	0.21	0.21	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	NICKEL (TOTAL)	5.8		0.49	0.49	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	POTASSIUM (TOTAL)	645	J	27.3	27.3	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	VANADIUM (TOTAL)	22		0.49	0.49	mg/Kg
SS102VH	AT388	10/12/2001	CL200.7	ZINC (TOTAL)	40.5		0.21	0.21	mg/Kg
SS102VH	AT388	10/12/2001	SW8270	BENZOIC ACID	47	J	47	990	ug/Kg
SS102VH	AT388	10/12/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	140		17.6	120	ug/Kg
SS102VJ	AT396	10/11/2001	CL200.7	ALUMINUM (TOTAL)	8510		1.8	1.8	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	ARSENIC (TOTAL)	3.6		0.35	0.35	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	BARIUM (TOTAL)	14.6		0.94	0.94	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	CADMIUM (TOTAL)	0.1		0.05	0.05	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	CALCIUM (TOTAL)	417		74.9	74.9	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	CHROMIUM (TOTAL)	9.6		0.16	0.16	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	COBALT (TOTAL)	2.2		0.33	0.33	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	COPPER (TOTAL)	5.2		0.23	0.23	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	IRON (TOTAL)	9830		3.7	3.7	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	LEAD (TOTAL)	12		0.14	0.14	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	955		45.7	45.7	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	MANGANESE (TOTAL)	49		0.14	0.14	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	MOLYBDENUM (TOTAL)	0.66		0.21	0.21	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	NICKEL (TOTAL)	4.7		0.47	0.47	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	POTASSIUM (TOTAL)	560		54.7	54.7	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	VANADIUM (TOTAL)	18.6		0.49	0.49	mg/Kg
SS102VJ	AT396	10/11/2001	CL200.7	ZINC (TOTAL)	198		0.21	0.21	mg/Kg
SS102VJ	AT396	10/11/2001	SW8270	BENZOIC ACID	73	J	73	1000	ug/Kg
SS102VJ	AT396	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	33	J	33	400	ug/Kg
SS102VJ	AT397	10/11/2001	CL200.7	ALUMINUM (TOTAL)	9310		1.7	1.7	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	ARSENIC (TOTAL)	2.8		0.33	0.33	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	BARIUM (TOTAL)	13.2		0.87	0.87	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	CALCIUM (TOTAL)	329		69.4	69.4	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	CHROMIUM (TOTAL)	11.3		0.15	0.15	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	COBALT (TOTAL)	2.5		0.3	0.3	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	COPPER (TOTAL)	3.6		0.22	0.22	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	IRON (TOTAL)	10100		3.4	3.4	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	LEAD (TOTAL)	8.2		0.13	0.13	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	1070		42.4	42.4	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	MANGANESE (TOTAL)	52.3		0.13	0.13	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	MOLYBDENUM (TOTAL)	0.33	J	0.2	0.2	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	NICKEL (TOTAL)	5.5		0.44	0.44	mg/Kg

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TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VJ	AT397	10/11/2001	CL200.7	POTASSIUM (TOTAL)	555		50.7	50.7	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	SELENIUM (TOTAL)	0.29	J	0.26	0.26	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	VANADIUM (TOTAL)	17.1		0.46	0.46	mg/Kg
SS102VJ	AT397	10/11/2001	CL200.7	ZINC (TOTAL)	48.6		0.2	0.2	mg/Kg
SS102VJ	AT397	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	35	J	35	380	ug/Kg
SS102VJ	AT398	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	38	J	38	370	ug/Kg
SSJ3MP001	J3MP001	8/18/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	120		11.3	120	ug/Kg
SSJ3MP003	J3MP003	8/18/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	150		11.3	120	ug/Kg
SSJ3MP011	SSJ3MP11	8/26/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	150		11.3	120	ug/Kg
SSJ3MP013	J3MP013_J3RRA	8/24/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	170		11.3	120	ug/Kg
SSJ3MP014	J3MP014_J3RRA	8/24/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	200		11.3	120	ug/Kg
SSJ3MP016	J3HD02b_comp	8/26/2004	SW8330	2,4,6-TRINITROTOLUENE	240		8.2	120	ug/Kg
SSJ3MP016	J3HD02b_comp	8/26/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	3500		11.3	120	ug/Kg
SSJ3MP017	J3HD03b_comp	8/26/2004	SW8330	2,4,6-TRINITROTOLUENE	57000		246	3600	ug/Kg
SSJ3MP017	J3HD03b_comp	8/26/2004	SW8330	4-AMINO-2,6-DINITROTOLUENE	390		8.53	120	ug/Kg
SSJ3MP017	J3HD03b_comp	8/26/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	2000		8.07	120	ug/Kg
SSJ3MP017	J3HD03b_comp	8/26/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	260000		339	3600	ug/Kg
SSJ3S002	ECC091707J3FLD02	10/4/2007	E331.0	PERCHLORATE	0.27	J	0.265	0.89	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	BERYLLIUM	0.074	J	0.0083	0.4154	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	CALCIUM	191	J	2.1	415.4	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	MAGNESIUM	811		1.2	415.4	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	ALUMINUM	10500		0.76	16.616	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	BORON	2	J	0.067	8.3081	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	COPPER	3730		4.2	207.7	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	MANGANESE	59.7		0.0083	1.2462	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	VANADIUM	23.1		0.033	4.154	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	ZINC	41.3		0.0083	1.6616	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	BARIUM	13.7	J	0.11	16.616	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	IRON	13000		0.53	16.616	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	SODIUM	48	J	0.79	415.4	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	COBALT	1.3	J	0.017	4.154	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	NICKEL	6.9		0.033	3.3232	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	LEAD	652		0.66	8.3081	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	CHROMIUM, TOTAL	12.5		0.0083	0.8308	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	POTASSIUM	405	J	3.4	415.4	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	MOLYBDENUM	0.58	J	0.017	0.8308	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	SELENIUM	5.2		0.058	2.9078	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW6010B	ARSENIC	4.3		0.058	0.8308	MG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW7471A	MERCURY	0.03	J	0.016	0.0379	MG/KG

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	PHENANTHRENE	180	J	22.1	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	BENZO(a)ANTHRACENE	66	J	19.9	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	BENZO(b)FLUORANTHENE	83	J	37.6	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	BENZO(g,h,i)PERYLENE	51	J	19.9	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	BENZO(k)FLUORANTHENE	67	J	38.7	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	FLUORENE	30	J	19.9	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	INDENO(1,2,3-c,d)PYRENE	44	J	23.2	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	ACENAPHTHYLENE	84	J	22.1	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	ANTHRACENE	0	J	22.1	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	NAPHTHALENE	230	J	27.6	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	2-METHYLNAPHTHALENE	54	J	24.3	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	PYRENE	200	J	25.4	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	CHRYSENE	110	J	26.5	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	BENZYL BUTYL PHTHALATE	0	J	24.3	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	BENZOIC ACID	1300	J	365	920	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	BENZO(a)PYRENE	71	J	17.7	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/4/2007	SW8270C	FLUORANTHENE	200	J	19.9	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	E331.0	PERCHLORATE	0.34	J	0.269	0.9	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	CALCIUM	160	J	2.1	417.84	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	MAGNESIUM	829		1.2	417.84	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	ALUMINUM	10300		0.76	16.714	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	BORON	1.9	J	0.067	8.3569	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	COPPER	5.2		0.042	2.0892	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	MANGANESE	57.4		0.0084	1.2535	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	VANADIUM	27.9		0.033	4.1784	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	ZINC	16.4		0.0084	1.6714	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	BARIUM	13.6	J	0.11	16.714	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	IRON	10300		0.53	16.714	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	SODIUM	34.5	J	0.79	417.84	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	COBALT	1.2	J	0.017	4.1784	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	NICKEL	5.2		0.033	3.3427	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	LEAD	18.7		0.067	0.8357	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	CHROMIUM, TOTAL	11.1		0.0084	0.8357	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	POTASSIUM	393	J	3.5	417.84	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	MOLYBDENUM	0.65	J	0.017	0.8357	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	SELENIUM	0.47	J	0.059	2.9249	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW6010B	ARSENIC	3.4		0.059	0.8357	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW7471A	MERCURY	0.041		0.017	0.0407	MG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	PHENANTHRENE	130	J	22.4	370	UG/KG

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-3 Range Area 1
Melt/Pour, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	BENZO(a)ANTHRACENE	70	J	20.2	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	BENZO(b)FLUORANTHENE	85	J	38.1	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	BENZO(g,h,i)PERYLENE	55	J	20.2	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	BENZO(k)FLUORANTHENE	82	J	39.2	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	INDENO(1,2,3-c,d)PYRENE	50	J	23.5	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	ACENAPHTHYLENE	0	J	22.4	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	PYRENE	180	J	25.8	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	CHRYSENE	110	J	26.9	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	BENZO(a)PYRENE	74	J	17.9	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	2-CHLOROBENZOIC ACID	0	J	370	1900	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	BENZYL BUTYL PHTHALATE	0	J	24.6	370	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	BENZOIC ACID	680	J	370	930	UG/KG
SSJ3S002	ECC091707J3FLD02	10/3/2007	SW8270C	FLUORANTHENE	200	J	20.2	370	UG/KG
SSJ3S002	J3S002_SS1	12/11/2007	SW6010B	COPPER	3.7		0.048	2.4155	MG/KG
SSJ3S002	J3S002_SS1	12/11/2007	SW6010B	LEAD	11.3		0.077	0.9662	MG/KG
SSJ3S002	J3S002_SS2	12/11/2007	SW6010B	COPPER	2.3	J	0.048	2.386	MG/KG
SSJ3S002	J3S002_SS2	12/11/2007	SW6010B	LEAD	8.2		0.076	0.9544	MG/KG
SSJ3S002	J3S002_SS3	12/11/2007	SW6010B	COPPER	4.3		0.047	2.3555	MG/KG
SSJ3S002	J3S002_SS3	12/11/2007	SW6010B	LEAD	14.6		0.075	0.9422	MG/KG
SSJ3S002	J3S002_SS4	12/11/2007	SW6010B	COPPER	2.4		0.046	2.2901	MG/KG
SSJ3S002	J3S002_SS4	12/11/2007	SW6010B	LEAD	14.9		0.073	0.9161	MG/KG
SSJ3S002	J3S002_SS5	12/11/2007	SW6010B	COPPER	3.4		0.046	2.3149	MG/KG
SSJ3S002	J3S002_SS5	12/11/2007	SW6010B	LEAD	16.9		0.074	0.926	MG/KG
SSJ3S002	J3S002_SS6	12/11/2007	SW6010B	COPPER	4.7		0.051	2.5453	MG/KG
SSJ3S002	J3S002_SS6	12/11/2007	SW6010B	LEAD	20.6		0.081	1.0181	MG/KG
SSJ3S002	J3S002_SS7	12/11/2007	SW6010B	COPPER	4		0.055	2.738	MG/KG
SSJ3S002	J3S002_SS7	12/11/2007	SW6010B	LEAD	29.1		0.088	1.0952	MG/KG
SSJ3S002	J3S002_SS8	12/11/2007	SW6010B	COPPER	3.3		0.049	2.4412	MG/KG
SSJ3S002	J3S002_SS8	12/11/2007	SW6010B	LEAD	14		0.078	0.9765	MG/KG

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-23	AN288	2/21/2001	CL200.7	ALUMINUM (TOTAL)	2380		2.5	5.61	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	ARSENIC (TOTAL)	0.77	J	0.494	0.494	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	BARIUM (TOTAL)	7.5		0.593	0.593	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	BERYLLIUM (TOTAL)	0.14		0.03	0.0395	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	BORON (TOTAL)	0.85		0.356	0.356	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	CALCIUM (TOTAL)	61.1	J	29	35.5	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	CHROMIUM (TOTAL)	3.5		0.138	0.138	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	COBALT (TOTAL)	1.5		0.178	0.178	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	COPPER (TOTAL)	3		0.296	0.296	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	IRON (TOTAL)	3360		4.21	4.62	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	LEAD (TOTAL)	2.6		0.316	0.316	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	MAGNESIUM (TOTAL)	501		28.1	37.3	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	MANGANESE (TOTAL)	62.1		0.08	0.119	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	MOLYBDENUM (TOTAL)	0.46	J	0.257	0.257	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	NICKEL (TOTAL)	2.1		0.257	0.257	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	POTASSIUM (TOTAL)	267		38	38	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	VANADIUM (TOTAL)	5.1		0.237	0.237	mg/Kg
BH-23	AN288	2/21/2001	CL200.7	ZINC (TOTAL)	7.6		0.158	0.158	mg/Kg
BH-23	AN288	2/21/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.8	J	0.6	2.65	mg/Kg
BH-23	AN288	2/21/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.11	J	0.01	0.01	mg/Kg
BH-23	AN288	2/21/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	136		0.01	0.01	mg/Kg
BH-23	AN288	2/21/2001	LYDKHN	TOTAL ORGANIC CARBON	166		0	0	mg/Kg
BH-23	AN288	2/21/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	380	ug/Kg
BH-23	AN289	2/21/2001	CL200.7	ALUMINUM (TOTAL)	2050		2.5	5.01	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	ARSENIC (TOTAL)	0.57	J	0.441	0.441	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	BARIUM (TOTAL)	6		0.529	0.529	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	BERYLLIUM (TOTAL)	0.13		0.03	0.0353	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	BORON (TOTAL)	0.85		0.318	0.318	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	CALCIUM (TOTAL)	56.1	J	29	31.7	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	CHROMIUM (TOTAL)	6.3		0.124	0.124	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	COBALT (TOTAL)	1.4		0.159	0.159	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	COPPER (TOTAL)	3.3		0.265	0.265	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	IRON (TOTAL)	3750		4.13	4.13	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	LEAD (TOTAL)	2		0.282	0.282	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-23	AN289	2/21/2001	CL200.7	MAGNESIUM (TOTAL)	568		28.1	33.3	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	MANGANESE (TOTAL)	57.5		0.08	0.106	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	MOLYBDENUM (TOTAL)	0.92		0.229	0.229	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	NICKEL (TOTAL)	3.6		0.229	0.229	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	POTASSIUM (TOTAL)	266		34	34	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	VANADIUM (TOTAL)	5.1		0.212	0.212	mg/Kg
BH-23	AN289	2/21/2001	CL200.7	ZINC (TOTAL)	8		0.141	0.141	mg/Kg
BH-23	AN289	2/21/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	1.8	9	ug/Kg
BH-23	AN289	2/21/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.8		0.6	2.4	mg/Kg
BH-23	AN289	2/21/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.08	J	0.01	0.01	mg/Kg
BH-23	AN289	2/21/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	52.1		0.01	0.01	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	ALUMINUM (TOTAL)	851		2.5	5.24	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	BARIUM (TOTAL)	3.4		0.553	0.553	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	BERYLLIUM (TOTAL)	0.09		0.03	0.0369	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	CHROMIUM (TOTAL)	1.5		0.129	0.129	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	COBALT (TOTAL)	0.61		0.166	0.166	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	COPPER (TOTAL)	1.5	J	0.277	0.277	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	IRON (TOTAL)	1930		4.21	4.32	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	LEAD (TOTAL)	1.2		0.295	0.295	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	MAGNESIUM (TOTAL)	207		28.1	34.8	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	MANGANESE (TOTAL)	25.5		0.08	0.111	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	NICKEL (TOTAL)	1.1		0.24	0.24	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	POTASSIUM (TOTAL)	115		35.5	35.5	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	VANADIUM (TOTAL)	2.3		0.221	0.221	mg/Kg
BH-23	AN290	2/21/2001	CL200.7	ZINC (TOTAL)	4.3		0.148	0.148	mg/Kg
BH-23	AN290	2/21/2001	CVOL	BROMOFORM	1	J	0.52	8	ug/Kg
BH-23	AN290	2/21/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.4	J	0.6	2.45	mg/Kg
BH-23	AN290	2/21/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.01	0.01	mg/Kg
BH-23	AN290	2/21/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	40.2		0.01	0.01	mg/Kg
BH-23	AN293	2/21/2001	LAL40	URANIUM-234	0.44		0.0001	0.06	PCI/G
BH-23	AN293	2/21/2001	LAL40	URANIUM-235	0.056		0.0001	0.049	PCI/G
BH-23	AN294	2/21/2001	LAL40	URANIUM-234	0.53		0.0001	0.09	PCI/G
BH-23	AN294	2/21/2001	LAL40	URANIUM-235	-0.021		-0.021	0.14	PCI/G
BH-23	AN295	2/21/2001	LAL40	URANIUM-234	0.53		0.0001	0.05	PCI/G

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mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-23	AN295	2/21/2001	LAL40	URANIUM-235	0.037		0.0001	0.034	PCI/G
BH-24	AN745	3/20/2001	CL200.7	ALUMINUM (TOTAL)	6250		5.3	8.16	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	ANTIMONY (TOTAL)	0.81	J	0.605	0.605	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	ARSENIC (TOTAL)	2.4		0.8	0.8	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	BARIUM (TOTAL)	11.7		0.703	0.703	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	BERYLLIUM (TOTAL)	0.23		0.0195	0.0195	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	CADMIUM (TOTAL)	0.23		0.039	0.039	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	CALCIUM (TOTAL)	239	J	98	141	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	CHROMIUM (TOTAL)	8.8		0.2	0.273	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	COBALT (TOTAL)	2.6		0.234	0.234	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	COPPER (TOTAL)	52.9		0.488	0.488	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	IRON (TOTAL)	7720		3.5	7.24	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	LEAD (TOTAL)	6.3		0.2	0.254	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	MAGNESIUM (TOTAL)	981		82.5	130	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	MANGANESE (TOTAL)	92.4		0.0585	0.0585	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	MOLYBDENUM (TOTAL)	0.7		0.234	0.234	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	NICKEL (TOTAL)	4.6		0.254	0.254	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	POTASSIUM (TOTAL)	518		70.1	70.1	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	VANADIUM (TOTAL)	11.8		0.273	0.273	mg/Kg
BH-24	AN745	3/20/2001	CL200.7	ZINC (TOTAL)	31.5		0.4	0.937	mg/Kg
BH-24	AN745	3/20/2001	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.9	J	0.263	1.9	ug/Kg
BH-24	AN745	3/20/2001	CVOL	ACETONE	38	J	4.04	10	ug/Kg
BH-24	AN745	3/20/2001	CVOL	BROMOFORM	2	J	1.15	10	ug/Kg
BH-24	AN745	3/20/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	10	ug/Kg
BH-24	AN745	3/20/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.9		1.5	2.59	mg/Kg
BH-24	AN745	3/20/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.0043	0.01	mg/Kg
BH-24	AN745	3/20/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	108		1	2.06	mg/Kg
BH-24	AN745	3/20/2001	LYDKHN	TOTAL ORGANIC CARBON	1380		0	0	mg/Kg
BH-24	AN745	3/20/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	47	J	47	360	ug/Kg
BH-24	AN746	3/20/2001	LAL40	URANIUM-234	0.56	J	0.0001	0.05	PCI/G
BH-24	AN746	3/20/2001	LAL40	URANIUM-238	0.58	J	0.0001	0.1	PCI/G
BH-24	AN747	3/20/2001	CL200.7	ALUMINUM (TOTAL)	2660		5.3	8.45	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	ARSENIC (TOTAL)	1.1	J	0.829	0.829	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	BARIUM (TOTAL)	9.9		0.728	0.728	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-24	AN747	3/20/2001	CL200.7	CADMIUM (TOTAL)	0.12		0.0404	0.0404	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	CALCIUM (TOTAL)	197	J	98	146	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	CHROMIUM (TOTAL)	5.4		0.2	0.283	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	COBALT (TOTAL)	1.9		0.243	0.243	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	COPPER (TOTAL)	5.9		0.506	0.506	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	IRON (TOTAL)	4440		3.5	7.5	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	LEAD (TOTAL)	4.9		0.2	0.263	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	MAGNESIUM (TOTAL)	696		82.5	134	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	MANGANESE (TOTAL)	79.4		0.0607	0.0607	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	NICKEL (TOTAL)	2.9		0.263	0.263	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	POTASSIUM (TOTAL)	508		72.6	72.6	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	VANADIUM (TOTAL)	6		0.283	0.283	mg/Kg
BH-24	AN747	3/20/2001	CL200.7	ZINC (TOTAL)	16.2		0.4	0.971	mg/Kg
BH-24	AN747	3/20/2001	CVOL	ACETONE	20	J	4.04	9	ug/Kg
BH-24	AN747	3/20/2001	CVOL	BROMOFORM	1	J	1	9	ug/Kg
BH-24	AN747	3/20/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	9	ug/Kg
BH-24	AN747	3/20/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.1	J	1.5	2.53	mg/Kg
BH-24	AN747	3/20/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.0043	0.01	mg/Kg
BH-24	AN747	3/20/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	74.4		1	1.93	mg/Kg
BH-24	AN747	3/20/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	38	J	38	350	ug/Kg
BH-24	AN748	3/20/2001	LAL40	URANIUM-234	0.58	J	0.0001	0.11	PCI/G
BH-24	AN748	3/20/2001	LAL40	URANIUM-238	0.49	J	0.0001	0.1	PCI/G
BH-25	AN751	3/20/2001	CL200.7	ALUMINUM (TOTAL)	3010		5.3	8.48	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	BARIUM (TOTAL)	9.9		0.73	0.73	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	CALCIUM (TOTAL)	359		36.5	36.5	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	CHROMIUM (TOTAL)	4.8	J	0.2	0.284	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	COBALT (TOTAL)	1.9		0.244	0.244	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	COPPER (TOTAL)	8.3		0.507	0.507	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	IRON (TOTAL)	4680		3.5	7.53	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	LEAD (TOTAL)	3.6		0.2	0.264	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	MAGNESIUM (TOTAL)	780		38.3	38.3	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	MANGANESE (TOTAL)	100	J	0.0609	0.0609	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	MOLYBDENUM (TOTAL)	0.33	J	0.244	0.244	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	NICKEL (TOTAL)	2.7		0.264	0.264	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-25	AN751	3/20/2001	CL200.7	POTASSIUM (TOTAL)	585		32.7	32.7	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	VANADIUM (TOTAL)	6		0.284	0.284	mg/Kg
BH-25	AN751	3/20/2001	CL200.7	ZINC (TOTAL)	14.2		0.4	0.974	mg/Kg
BH-25	AN751	3/20/2001	CVOL	ACETONE	32	J	4.04	9	ug/Kg
BH-25	AN751	3/20/2001	CVOL	BROMOFORM	1	J	1	9	ug/Kg
BH-25	AN751	3/20/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	9	ug/Kg
BH-25	AN751	3/20/2001	CVOL	TOLUENE	1	J	1	9	ug/Kg
BH-25	AN751	3/20/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.2	J	1.5	2.22	mg/Kg
BH-25	AN751	3/20/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	135	J	1	1.94	mg/Kg
BH-25	AN751	3/20/2001	LYDKHN	TOTAL ORGANIC CARBON	1770		0	0	mg/Kg
BH-25	AN752	3/20/2001	LAL40	URANIUM-234	0.45		0.0001	0.07	PCI/G
BH-25	AN752	3/20/2001	LAL40	URANIUM-235	0.095		0.0001	0.052	PCI/G
BH-25	AN752	3/20/2001	LAL40	URANIUM-238	0.55		0.0001	0.04	PCI/G
BH-25	AN753	3/21/2001	CL200.7	ALUMINUM (TOTAL)	1630		5.3	8.05	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	BARIUM (TOTAL)	5.9		0.693	0.693	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	CALCIUM (TOTAL)	121		34.7	34.7	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	CHROMIUM (TOTAL)	3	J	0.2	0.27	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	COBALT (TOTAL)	1.2		0.231	0.231	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	COPPER (TOTAL)	2.8		0.481	0.481	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	IRON (TOTAL)	3180		3.5	7.14	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	MAGNESIUM (TOTAL)	527		36.4	36.4	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	MANGANESE (TOTAL)	57.1	J	0.0578	0.0578	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	MOLYBDENUM (TOTAL)	0.52	J	0.231	0.231	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	NICKEL (TOTAL)	1.7		0.25	0.25	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	POTASSIUM (TOTAL)	313		31	31	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	VANADIUM (TOTAL)	3.7		0.27	0.27	mg/Kg
BH-25	AN753	3/21/2001	CL200.7	ZINC (TOTAL)	7.3		0.4	0.924	mg/Kg
BH-25	AN753	3/21/2001	CVOL	ACETONE	39	J	4.04	9	ug/Kg
BH-25	AN753	3/21/2001	CVOL	BROMOFORM	2	J	1.15	9	ug/Kg
BH-25	AN753	3/21/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	4.56	9	ug/Kg
BH-25	AN753	3/21/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.8	J	1.5	2.19	mg/Kg
BH-25	AN753	3/21/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	115	J	1	1.49	mg/Kg
BH-25	AN753	3/21/2001	LYDKHN	TOTAL ORGANIC CARBON	770		0	0	mg/Kg
BH-25	AN755	3/21/2001	LAL40	URANIUM-234	0.36		0.0001	0.08	PCI/G

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-25	AN755	3/21/2001	LAL40	URANIUM-238	0.36		0.0001	0.1	PCI/G
J3HD01000	J3HD010001XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	23	J	92	380	ug/Kg
J3HD01000	J3HD010501XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	41	J	92	380	ug/Kg
J3HD01000	J3HD011501XX	9/25/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	42	J	92	370	ug/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	ALUMINUM	17700		0	7.2	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	ARSENIC	5.1		0	0.82	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	BARIUM	22.8	J	0	2.7	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	BERYLLIUM	0.4	J	0	0.07	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	BORON	2	J	0	1.5	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	CADMIUM	0.6	J	0	0.16	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	COBALT	3.7	J	0	0.72	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	IRON	17400		0	7	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	MAGNESIUM	2040		0	71.8	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	MANGANESE	73.4		0	0.23	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	POTASSIUM	498	J	0	74.3	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	SILVER	0.58	J	0	0.35	mg/Kg
J3SG140001XX	J3SG140001XX	11/17/2003	ILM04.1	VANADIUM	27.4		0	0.89	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	ALUMINUM	12700		0	6.4	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	ARSENIC	4.1		0	0.74	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	BARIUM	19	J	0	2.5	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	BERYLLIUM	0.55	J	0	0.06	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	BORON	2.2	J	0	1.3	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	CADMIUM	0.42	J	0	0.15	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	IRON	12800		0	6.3	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	MAGNESIUM	2160		0	64.5	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	MANGANESE	84.1		0	0.21	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	POTASSIUM	636	J	0	66.8	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	SILVER	0.64	J	0	0.32	mg/Kg
J3SG140501XX	J3SG140501XX	11/17/2003	ILM04.1	VANADIUM	22.2		0	0.8	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	ALUMINUM	5730		0	6	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	ARSENIC	3.1		0	0.68	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	BERYLLIUM	0.37	J	0	0.06	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	BORON	1.3	J	0	1.2	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	CADMIUM	0.26	J	0	0.14	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	COBALT	2.9	J	0	0.6	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	IRON	7220		0	5.8	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	LEAD	4.4		0	0.55	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	MAGNESIUM	1220		0	59.8	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	MANGANESE	93.3		0	0.19	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	NICKEL	4.5	J	0	0.55	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	POTASSIUM	426	J	0	61.9	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	SILVER	0.48	J	0	0.29	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	THALLIUM	1.2	J	0	0.99	mg/Kg
J3SG141501XX	J3SG141501XX	11/17/2003	ILM04.1	VANADIUM	11.3		0	0.74	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	ALUMINUM	14800		0	7	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	ARSENIC	5.1		0	0.8	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	BARIUM	17.6	J	0	2.7	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	BERYLLIUM	0.41	J	0	0.07	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	BORON	2.2	J	0	1.5	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	CADMIUM	0.46	J	0	0.16	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	COBALT	3.1	J	0	0.71	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	IRON	15800		0	6.8	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	MAGNESIUM	1970		0	70.1	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	MANGANESE	77.7		0	0.23	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	NICKEL	7.1	J	0	0.64	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	POTASSIUM	587	J	0	72.5	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	VANADIUM	23.5		0	0.87	mg/Kg
J3SG150001XX	J3SG150001XX	11/17/2003	ILM04.1	ZINC	46.4		0	0.46	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	ALUMINUM	12700		0	7.1	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	ARSENIC	4		0	0.81	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	BARIUM	18.7	J	0	2.7	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	BERYLLIUM	0.44	J	0	0.07	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	BORON	2.4	J	0	1.5	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	CADMIUM	0.5	J	0	0.16	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	COBALT	3	J	0	0.72	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	IRON	14100		0	6.9	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	MAGNESIUM	1830		0	70.9	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	MANGANESE	69.2		0	0.23	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	POTASSIUM	604	J	0	73.4	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	SELENIUM	1.1	J	0	0.83	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	SILVER	0.46	J	0	0.35	mg/Kg
J3SG150501XX	J3SG150501XX	11/17/2003	ILM04.1	VANADIUM	21.7		0	0.88	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	ALUMINUM	11400		0	7.4	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	ARSENIC	4.6		0	0.84	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	BARIUM	19.2	J	0	2.8	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	BERYLLIUM	0.51	J	0	0.07	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	BORON	3	J	0	1.5	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	CADMIUM	0.51	J	0	0.17	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	COBALT	3.4	J	0	0.74	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	IRON	13900		0	7.2	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	MAGNESIUM	2170		0	73.6	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	MANGANESE	88.4		0	0.24	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	POTASSIUM	788	J	0	76.1	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	SILVER	0.49	J	0	0.36	mg/Kg
J3SG151501XX	J3SG151501XX	11/17/2003	ILM04.1	VANADIUM	21.5		0	0.91	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	ALUMINUM	13100		0	7.2	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	ARSENIC	4.1		0	0.82	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	BERYLLIUM	0.44	J	0	0.07	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	CADMIUM	0.44	J	0	0.16	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	COBALT	2.3	J	0	0.73	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	IRON	12400		0	7	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	MAGNESIUM	1230		0	72.2	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	MANGANESE	53.7		0	0.23	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	NICKEL	5.9	J	0	0.66	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	POTASSIUM	405	J	0	74.7	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	SELENIUM	1.1	J	0	0.85	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	SILVER	0.43	J	0	0.35	mg/Kg
J3SG160001XX	J3SG160001XX	11/17/2003	ILM04.1	VANADIUM	19.6		0	0.89	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	ALUMINUM	12000		0	6.8	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	ARSENIC	3.3		0	0.77	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	BARIUM	12.6	J	0	2.6	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	BERYLLIUM	0.41	J	0	0.07	mg/Kg

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ug/Kg = microgram per Kilogram
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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	BORON	1.6	J	0	1.4	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	CADMIUM	0.35	J	0	0.15	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	COBALT	2.9	J	0	0.69	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	IRON	10800		0	6.6	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	MAGNESIUM	1550		0	68	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	MANGANESE	62.9		0	0.22	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	POTASSIUM	470	J	0	70.4	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	SILVER	0.42	J	0	0.33	mg/Kg
J3SG160501XX	J3SG160501XX	11/17/2003	ILM04.1	VANADIUM	18.1		0	0.84	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	ALUMINUM	3950		0	5.6	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	ARSENIC	1.4	J	0	0.64	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	BERYLLIUM	0.18	J	0	0.06	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	CADMIUM	0.21	J	0	0.13	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	COBALT	2.7	J	0	0.57	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	COPPER	3.1	J	0	0.37	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	IRON	4860		0	5.5	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	MAGNESIUM	765	J	0	56.4	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	MANGANESE	86.3		0	0.18	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	POTASSIUM	269	J	0	58.3	mg/Kg
J3SG161501XX	J3SG161501XX	11/17/2003	ILM04.1	VANADIUM	7.9	J	0	0.7	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	ALUMINUM	14100		0	6.9	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	ARSENIC	3.7		0	0.79	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	BERYLLIUM	0.33	J	0	0.07	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	BORON	1.6	J	0	1.4	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	CADMIUM	0.44	J	0	0.16	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	COBALT	2.5	J	0	0.7	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	COPPER	3	J	0	0.45	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	IRON	13200		0	6.7	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	MAGNESIUM	1500		0	69.1	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	MANGANESE	61.5		0	0.22	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	POTASSIUM	363	J	0	71.5	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	ILM04.1	VANADIUM	21.3		0	0.85	mg/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	92	400	ug/Kg
J3SG170001XX	J3SG170001XX	11/17/2003	SW8270C	DI-N-BUTYL PHTHALATE	80	J	25.3	400	ug/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	ALUMINUM	13100		0	7.3	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	ARSENIC	3.5		0	0.83	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	BARIUM	16.6	J	0	2.8	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	BERYLLIUM	0.29	J	0	0.07	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	BORON	1.6	J	0	1.5	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	CADMIUM	0.4	J	0	0.17	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	COBALT	4	J	0	0.74	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	COPPER	4.9	J	0	0.48	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	IRON	13300		0	7.2	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	MAGNESIUM	2210		0	73.2	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	MANGANESE	89.8		0	0.24	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	POTASSIUM	533	J	0	75.8	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	ILM04.1	VANADIUM	21.4		0	0.91	mg/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	SW8270C	BENZOIC ACID	20	J	123	990	ug/Kg
J3SG170501XX	J3SG170501XX	11/17/2003	SW8270C	PHENOL	23	J	39	390	ug/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	ALUMINUM	7060		0	7.1	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	ARSENIC	3.4		0	0.81	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	BERYLLIUM	0.52	J	0	0.07	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	BORON	2.2	J	0	1.5	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	CADMIUM	0.35	J	0	0.16	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	COBALT	4.2	J	0	0.72	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	IRON	9750		0	6.9	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	MAGNESIUM	1560		0	71	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	MANGANESE	92.9		0	0.23	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	MOLYBDENUM	0.29	J	0	0.28	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	POTASSIUM	559	J	0	73.5	mg/Kg
J3SG171501XX	J3SG171501XX	11/17/2003	ILM04.1	VANADIUM	13.8		0	0.88	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	ALUMINUM	10700		0	6.4	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	ARSENIC	3.6		0	0.73	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	BARIUM	9.8	J	0	2.4	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	BERYLLIUM	0.32	J	0	0.06	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	BORON	1.6	J	0	1.3	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	CADMIUM	0.45	J	0	0.15	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	COBALT	1.8	J	0	0.64	mg/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	IRON	11000		0	6.2	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	MAGNESIUM	913	J	0	63.6	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	MANGANESE	44.8		0	0.21	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	POTASSIUM	279	J	0	65.9	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	SILVER	0.36	J	0	0.31	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	SODIUM	226	J	0	104	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	ILM04.1	VANADIUM	17.6		0	0.79	mg/Kg
J3SG180001XX	J3SG180001XX	11/17/2003	SW8270C	BENZOIC ACID	28	J	123	960	ug/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	ALUMINUM	10800		0	7.1	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	ARSENIC	3.4		0	0.8	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	BERYLLIUM	0.21	J	0	0.07	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	CADMIUM	0.37	J	0	0.16	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	COBALT	2.5	J	0	0.71	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	IRON	11200		0	6.9	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	MAGNESIUM	1370		0	70.6	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	MANGANESE	56		0	0.23	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	POTASSIUM	338	J	0	73.1	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	SILVER	0.36	J	0	0.34	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	SODIUM	260	J	0	115	mg/Kg
J3SG180501XX	J3SG180501XX	11/17/2003	ILM04.1	VANADIUM	16.5		0	0.87	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	ALUMINUM	9630		0	6.6	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	ARSENIC	3.7		0	0.75	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	BARIUM	13.3	J	0	2.5	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	BERYLLIUM	0.37	J	0	0.06	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	BORON	2.2	J	0	1.4	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	CADMIUM	0.46	J	0	0.15	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	COBALT	4.3	J	0	0.67	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	IRON	11100		0	6.5	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	MAGNESIUM	1870		0	66.1	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	MANGANESE	83.1		0	0.22	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	POTASSIUM	545	J	0	68.4	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	SILVER	0.65	J	0	0.32	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	SODIUM	401	J	0	108	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	THALLIUM	1.2	J	0	1.1	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG181501XX	J3SG181501XX	11/17/2003	ILM04.1	VANADIUM	17.7		0	0.82	mg/Kg
J3SG181501XX	J3SG181501XX	11/17/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	92	390	ug/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	ILM04.1	ALUMINUM	8300		0	7.1	mg/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	ILM04.1	ARSENIC	2.4		0	0.8	mg/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	ILM04.1	BERYLLIUM	0.27	J	0	0.07	mg/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	ILM04.1	CADMIUM	0.34	J	0	0.16	mg/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	ILM04.1	COBALT	2.3	J	0	0.71	mg/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	ILM04.1	IRON	8870		0	6.9	mg/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	ILM04.1	MAGNESIUM	1130	J	0	70.6	mg/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	ILM04.1	MANGANESE	57.1		0	0.23	mg/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	ILM04.1	POTASSIUM	320	J	0	73.1	mg/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	ILM04.1	VANADIUM	15.4		0	0.87	mg/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	SW8270C	BENZOIC ACID	34	J	123	1300	ug/Kg
J3SG190001XX	J3SG190001XX	11/17/2003	SW8270C	PHENOL	28	J	39	520	ug/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	ALUMINUM	10800		0	7.1	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	ARSENIC	5		0	0.81	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	BARIUM	13.4	J	0	2.7	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	BERYLLIUM	0.35	J	0	0.07	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	BORON	3.3	J	0	1.5	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	CADMIUM	0.38	J	0	0.16	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	COBALT	2.4	J	0	0.72	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	IRON	12100		0	6.9	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	LEAD	10.2		0	0.65	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	MAGNESIUM	1340		0	71	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	MANGANESE	67.6		0	0.23	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	POTASSIUM	373	J	0	73.5	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	ILM04.1	VANADIUM	19.3		0	0.88	mg/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	SW8270C	1,3-DIETHYL-1,3-DIPHENYL UREA	480		29.2	390	ug/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	SW8270C	BENZOIC ACID	25	J	123	990	ug/Kg
J3SG190501XX	J3SG190501XX	11/17/2003	SW8270C	PYRENE	18	J	75.2	390	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	ALUMINUM	12300		0	6.7	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	ARSENIC	4.2		0	0.76	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	BARIUM	19	J	0	2.5	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	BERYLLIUM	0.45	J	0	0.07	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	BORON	2.3	J	0	1.4	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	CADMIUM	0.38	J	0	0.15	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	COBALT	3.4	J	0	0.67	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	IRON	11800		0	6.5	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	MAGNESIUM	2090		0	66.8	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	MANGANESE	80.9		0	0.22	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	POTASSIUM	631	J	0	69.2	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	SILVER	0.43	J	0	0.33	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	THALLIUM	1.3	J	0	1.1	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	ILM04.1	VANADIUM	21.9		0	0.83	mg/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	BENZO(A)ANTHRACENE	75	J	30.8	380	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	BENZO(A)PYRENE	66	J	34.4	380	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	BENZO(B)FLUORANTHENE	90	J	55.2	380	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	BENZO(G,H,I)PERYLENE	47	J	47.1	380	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	BENZO(K)FLUORANTHENE	82	J	38.2	380	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	CHRYSENE	93	J	26	380	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	DIBENZ(A,H)ANTHRACENE	18	J	66	380	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	FLUORANTHENE	140	J	72.3	380	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	INDENO(1,2,3-C,D)PYRENE	47	J	64.5	380	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	PHENANTHRENE	44	J	26.3	380	ug/Kg
J3SG191501XX	J3SG191501XX	11/17/2003	SW8270C	PYRENE	120	J	75.2	380	ug/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	ALUMINUM	10500		0	7	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	ARSENIC	2.9		0	0.79	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	BARIUM	13	J	0	2.7	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	BERYLLIUM	0.28	J	0	0.07	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	CADMIUM	0.36	J	0	0.16	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	COBALT	1.8	J	0	0.7	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	IRON	11500		0	6.8	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	LEAD	13.5		0	0.63	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	MAGNESIUM	1380		0	69.6	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	MANGANESE	61.2		0	0.23	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	POTASSIUM	392	J	0	72.1	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	ILM04.1	VANADIUM	20.5		0	0.86	mg/Kg
J3SG200001XX	J3SG200001XX	11/17/2003	SW8270C	PHENOL	20	J	39	410	ug/Kg

J = Estimated
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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	ALUMINUM	13300		0	6.7	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	ANTIMONY	1.9	J	0	1.8	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	ARSENIC	4.1		0	0.76	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	BARIUM	15.7	J	0	2.6	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	BERYLLIUM	0.57	J	0	0.07	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	CADMIUM	0.55	J	0	0.15	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	COBALT	3.3	J	0	0.68	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	IRON	13700		0	6.6	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	LEAD	10.7		0	0.61	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	MAGNESIUM	1560		0	67.1	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	MANGANESE	66.6		0	0.22	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	POTASSIUM	429	J	0	69.5	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	SILVER	0.88	J	0	0.33	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	VANADIUM	22		0	0.83	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	ILM04.1	ZINC	19.5		0	0.44	mg/Kg
J3SG200501XX	J3SG200501XX	11/17/2003	SW8270C	BENZOIC ACID	1800		123	990	ug/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	ALUMINUM	11400		0	6.6	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	ARSENIC	4.2		0	0.75	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	BARIUM	15.6	J	0	2.5	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	BERYLLIUM	0.44	J	0	0.06	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	BORON	2.3	J	0	1.4	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	CADMIUM	0.42	J	0	0.15	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	COBALT	3.6	J	0	0.67	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	IRON	12500		0	6.5	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	MAGNESIUM	2090		0	66.1	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	MANGANESE	89.4		0	0.22	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	POTASSIUM	583	J	0	68.4	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	SILVER	0.36	J	0	0.32	mg/Kg
J3SG201501XX	J3SG201501XX	11/17/2003	ILM04.1	VANADIUM	21.8		0	0.82	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	ALUMINUM	12700		0	6	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	ARSENIC	4.9		0	1.1	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	BARIUM	17.3	J	0	3.1	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	BERYLLIUM	0.38	J	0	0.08	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	CADMIUM	0.24	J	0	0.14	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	CALCIUM	286	J	0	78.4	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	13.7		0	0.3	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	COBALT	2.4	J	0	0.79	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	IRON	15600		0	7.6	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	LEAD	20.9		0	0.38	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	MAGNESIUM	1070	J	0	82.3	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	MANGANESE	63.8		0	0.33	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	NICKEL	6.6	J	0	0.66	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	POTASSIUM	438	J	0	87	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	ILM04.1	VANADIUM	28.9		0	0.79	mg/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	SW8270C	FLUORANTHENE	24	J	72.3	470	ug/Kg
J3SG210001XX	J3SG210001XX	11/18/2003	SW8270C	PYRENE	23	J	75.2	470	ug/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	ALUMINUM	17700		0	5.4	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	ARSENIC	5.3		0	1	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	BARIUM	20.6	J	0	2.8	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	BERYLLIUM	0.33	J	0	0.07	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	CALCIUM	94	J	0	70.1	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	18.7		0	0.27	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	COBALT	3.4	J	0	0.71	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	IRON	17900		0	6.8	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	LEAD	12.4		0	0.34	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	MAGNESIUM	1480		0	73.6	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	MANGANESE	60		0	0.29	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	NICKEL	8.3	J	0	0.59	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	POTASSIUM	445	J	0	77.8	mg/Kg
J3SG210501XX	J3SG210501XX	11/18/2003	ILM04.1	VANADIUM	26.5		0	0.71	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	ALUMINUM	12500		0	5.3	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	ARSENIC	5		0	0.98	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	BARIUM	18.9	J	0	2.7	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	BERYLLIUM	0.36	J	0	0.07	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	CALCIUM	90.3	J	0	68.2	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	16.2		0	0.26	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	COBALT	5.5	J	0	0.69	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	IRON	13200		0	6.6	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	LEAD	8.1		0	0.33	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	MAGNESIUM	2350		0	71.6	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	MANGANESE	91.3		0	0.29	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	NICKEL	9.3	J	0	0.57	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	POTASSIUM	642	J	0	75.7	mg/Kg
J3SG211501XX	J3SG211501XX	11/18/2003	ILM04.1	VANADIUM	22		0	0.69	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	ALUMINUM	11000		0	5.9	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	ARSENIC	4.6		0	1.1	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	BARIUM	17.9	J	0	3.1	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	BERYLLIUM	0.26	J	0	0.08	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	CADMIUM	0.19	J	0	0.13	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	CALCIUM	339	J	0	76.5	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	11.3		0	0.29	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	COBALT	1.7	J	0	0.77	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	IRON	13100		0	7.4	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	LEAD	25		0	0.37	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	MAGNESIUM	752	J	0	80.3	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	MANGANESE	55.4		0	0.32	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	NICKEL	5.6	J	0	0.64	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	POTASSIUM	354	J	0	84.9	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	ILM04.1	VANADIUM	25.8		0	0.77	mg/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	SW8270C	CHRYSENE	25	J	26	460	ug/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	SW8270C	FLUORANTHENE	34	J	72.3	460	ug/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	SW8270C	PHENANTHRENE	32	J	26.3	460	ug/Kg
J3SG230001XX	J3SG230001XX	11/18/2003	SW8270C	PYRENE	39	J	75.2	460	ug/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	ALUMINUM	16600		0	5.2	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	ARSENIC	5.3		0	0.96	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	BARIUM	17.6	J	0	2.7	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	BERYLLIUM	0.3	J	0	0.07	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	CADMIUM	0.12	J	0	0.12	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	CALCIUM	98.6	J	0	66.8	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	18.3		0	0.26	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	COBALT	5.8	J	0	0.68	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	IRON	15900		0	6.5	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	LEAD	9.9		0	0.33	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	MAGNESIUM	1640		0	70.1	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	MANGANESE	85.2		0	0.28	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	NICKEL	8.3	J	0	0.56	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	POTASSIUM	484	J	0	74.1	mg/Kg
J3SG230501XX	J3SG230501XX	11/18/2003	ILM04.1	VANADIUM	23.8		0	0.68	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	ALUMINUM	11900		0	5.2	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	ARSENIC	4.7		0	0.97	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	BARIUM	15.5	J	0	2.7	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	BERYLLIUM	0.31	J	0	0.07	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	CALCIUM	127	J	0	68.1	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	15.2		0	0.26	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	COBALT	4.9	J	0	0.69	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	IRON	12300		0	6.6	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	LEAD	7.9		0	0.33	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	MAGNESIUM	1980		0	71.4	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	MANGANESE	81.5		0	0.28	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	NICKEL	8.2	J	0	0.57	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	POTASSIUM	659	J	0	75.5	mg/Kg
J3SG231501XX	J3SG231501XX	11/18/2003	ILM04.1	VANADIUM	21.8		0	0.69	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	ALUMINUM	11500		0	5.7	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	ARSENIC	4.7		0	1.1	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	BARIUM	14.8	J	0	3	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	BERYLLIUM	0.25	J	0	0.08	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	CADMIUM	0.16	J	0	0.13	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	CALCIUM	154	J	0	74.2	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	12.1		0	0.28	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	COBALT	2.5	J	0	0.75	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	IRON	13400		0	7.2	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	LEAD	14.9		0	0.36	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	MAGNESIUM	1000	J	0	77.8	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	MANGANESE	57.8		0	0.31	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	NICKEL	6.4	J	0	0.62	mg/Kg
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	POTASSIUM	388	J	0	82.3	mg/Kg

J = Estimated
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MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG250001XX	J3SG250001XX	11/18/2003	ILM04.1	VANADIUM	28.6		0	0.75	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	ALUMINUM	16300		0	5.4	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	ARSENIC	4.2		0	1	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	BARIUM	18.4	J	0	2.8	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	BERYLLIUM	0.3	J	0	0.07	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	CADMIUM	0.21	J	0	0.12	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	CALCIUM	109	J	0	70.3	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	14.1		0	0.27	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	COBALT	3.8	J	0	0.71	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	IRON	19700		0	6.8	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	LEAD	10.1		0	0.34	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	MAGNESIUM	2950		0	73.7	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	MANGANESE	103		0	0.29	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	NICKEL	8	J	0	0.59	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	POTASSIUM	416	J	0	77.9	mg/Kg
J3SG250501XX	J3SG250501XX	11/18/2003	ILM04.1	VANADIUM	22.6		0	0.71	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	ALUMINUM	11400		0	5.2	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	ARSENIC	4.2		0	0.96	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	BARIUM	18.5	J	0	2.7	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	BERYLLIUM	0.27	J	0	0.07	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	CALCIUM	330	J	0	67.3	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	14.1		0	0.26	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	COBALT	3.6	J	0	0.68	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	IRON	10300		0	6.5	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	LEAD	7.5		0	0.33	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	MAGNESIUM	1890		0	70.6	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	MANGANESE	67.8		0	0.28	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	NICKEL	7.8	J	0	0.56	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	POTASSIUM	616	J	0	74.6	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	VANADIUM	20		0	0.68	mg/Kg
J3SG251501XX	J3SG251501XX	11/18/2003	ILM04.1	ZINC	18.2		0	0.54	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	ALUMINUM	10600		0	5.3	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	ARSENIC	3.9		0	0.99	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	BARIUM	11.3	J	0	2.8	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	BERYLLIUM	0.19	J	0	0.07	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	CADMIUM	0.12	J	0	0.12	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	CALCIUM	185	J	0	69.2	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	11.5		0	0.27	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	COBALT	3	J	0	0.7	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	IRON	11800		0	6.7	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	LEAD	11.5		0	0.34	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	MAGNESIUM	1280		0	72.6	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	MANGANESE	72.3		0	0.29	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	NICKEL	6.1	J	0	0.58	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	POTASSIUM	460	J	0	76.8	mg/Kg
J3SG260001XX	J3SG260001XX	11/18/2003	ILM04.1	VANADIUM	20.4		0	0.7	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	ALUMINUM	12500		0	5.4	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	ARSENIC	4.9		0	1	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	BARIUM	15	J	0	2.8	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	BERYLLIUM	0.3	J	0	0.07	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	CADMIUM	0.14	J	0	0.12	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	CALCIUM	89.8	J	0	69.9	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	13.4		0	0.27	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	COBALT	3.1	J	0	0.71	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	IRON	13300		0	6.8	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	LEAD	11.5		0	0.34	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	MAGNESIUM	1290		0	73.4	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	MANGANESE	57.5		0	0.29	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	NICKEL	6.3	J	0	0.59	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	POTASSIUM	429	J	0	77.6	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	SODIUM	124	J	0	111	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	ILM04.1	VANADIUM	21.1		0	0.71	mg/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	SW8270C	FLUORANTHENE	20	J	72.3	410	ug/Kg
J3SG260501XX	J3SG260501XX	11/18/2003	SW8270C	PYRENE	23	J	75.2	410	ug/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	ALUMINUM	10400		0	6	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	ARSENIC	4.5		0	1.1	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	BARIUM	20.6	J	0	3.1	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	BERYLLIUM	0.21	J	0	0.08	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	CADMIUM	0.32	J	0	0.14	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	CALCIUM	270	J	0	77.5	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	CHROMIUM, TOTAL	10.5		0	0.3	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	COBALT	1.8	J	0	0.78	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	IRON	12600		0	7.5	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	LEAD	33.3		0	0.38	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	MAGNESIUM	669	J	0	81.3	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	MANGANESE	53.4		0	0.32	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	NICKEL	4.8	J	0	0.65	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	POTASSIUM	268	J	0	85.9	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	SELENIUM	1	J	0	0.97	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	SODIUM	156	J	0	123	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	ILM04.1	VANADIUM	21.4		0	0.78	mg/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	SW8270C	BENZO(A)ANTHRACENE	75	J	30.8	450	ug/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	SW8270C	BENZO(A)PYRENE	70	J	34.4	450	ug/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	SW8270C	BENZO(B)FLUORANTHENE	100	J	55.2	450	ug/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	SW8270C	BENZO(G,H,I)PERYLENE	40	J	47.1	450	ug/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	SW8270C	BENZO(K)FLUORANTHENE	120	J	38.2	450	ug/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	SW8270C	CHRYSENE	120	J	26	450	ug/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	SW8270C	FLUORANTHENE	130	J	72.3	450	ug/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	SW8270C	INDENO(1,2,3-C,D)PYRENE	43	J	64.5	450	ug/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	SW8270C	PHENANTHRENE	62	J	26.3	450	ug/Kg
J3SG261501XX	J3SG261501XX	11/18/2003	SW8270C	PYRENE	130	J	75.2	450	ug/Kg
MW-195	AW436	11/29/2001	CL200.7	ALUMINUM (TOTAL)	1690		1.6	1.6	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	ANTIMONY (TOTAL)	0.83	J	0.44	0.44	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	ARSENIC (TOTAL)	2.2	J	0.3	0.3	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	BARIUM (TOTAL)	6.9		0.81	0.81	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	BORON (TOTAL)	4.4		0.44	0.44	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	CADMIUM (TOTAL)	0.09	J	0.04	0.04	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	CALCIUM (TOTAL)	110	J	64.4	64.4	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	CHROMIUM (TOTAL)	8.2		0.14	0.14	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	COPPER (TOTAL)	3.1		0.2	0.2	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	IRON (TOTAL)	7470		3.2	3.2	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	LEAD (TOTAL)	3.3		0.12	0.12	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-195	AW436	11/29/2001	CL200.7	MAGNESIUM (TOTAL)	570		39.3	39.3	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	MANGANESE (TOTAL)	66.3		0.28	0.28	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	MOLYBDENUM (TOTAL)	0.83	J	0.18	0.18	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	NICKEL (TOTAL)	2.6		0.42	0.42	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	POTASSIUM (TOTAL)	423		23.6	23.6	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	VANADIUM (TOTAL)	11.1		0.42	0.42	mg/Kg
MW-195	AW436	11/29/2001	CL200.7	ZINC (TOTAL)	15.6		0.3	0.3	mg/Kg
MW-195	AW436	11/29/2001	CVOL	ACETONE	7	J	3.81	8	ug/Kg
MW-195	AW436	11/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg
MW-195	AW436	11/29/2001	CVOL	TRICHLOROETHENE(TCE)	0.7	J	0.7	8	ug/Kg
MW-195	AW436	11/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	3	J	1.5	2.4	mg/Kg
MW-195	AW436	11/29/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.036	J	0.0043	0.01	mg/Kg
MW-195	AW436	11/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	53.8		1	2	mg/Kg
MW-195	AW436	11/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	110	J	110	340	ug/Kg
MW-195	AW438	11/30/2001	CL200.7	ALUMINUM (TOTAL)	1510		1.4	1.4	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	ARSENIC (TOTAL)	3.3	J	0.28	0.28	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	BARIUM (TOTAL)	5.5		0.75	0.75	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	CALCIUM (TOTAL)	239		60	60	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	CHROMIUM (TOTAL)	7		0.23	0.23	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	COBALT (TOTAL)	1.5		0.47	0.47	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	COPPER (TOTAL)	3.6	J	0.19	0.19	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	IRON (TOTAL)	5920		3.4	3.4	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	LEAD (TOTAL)	3.3		0.11	0.11	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	MAGNESIUM (TOTAL)	487		36.6	36.6	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	MANGANESE (TOTAL)	69.1		0.26	0.26	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	MOLYBDENUM (TOTAL)	1.3		0.5	0.55	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	NICKEL (TOTAL)	2.6		0.38	0.38	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	POTASSIUM (TOTAL)	376	J	22	22	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	VANADIUM (TOTAL)	9.8		0.4	0.4	mg/Kg
MW-195	AW438	11/30/2001	CL200.7	ZINC (TOTAL)	10.5		0.28	0.28	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	ALUMINUM (TOTAL)	888		1.4	1.4	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	ARSENIC (TOTAL)	0.59	J	0.28	0.28	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	BARIUM (TOTAL)	3.4		0.75	0.75	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	CALCIUM (TOTAL)	63	J	59.9	59.9	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-195	AW439	11/30/2001	CL200.7	CHROMIUM (TOTAL)	1.8	J	0.23	0.23	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	COBALT (TOTAL)	1		0.47	0.47	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	IRON (TOTAL)	2750		3.4	3.4	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	LEAD (TOTAL)	2.7		0.11	0.11	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	MAGNESIUM (TOTAL)	257		36.5	36.5	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	MANGANESE (TOTAL)	23.4		0.26	0.26	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	POTASSIUM (TOTAL)	243	J	22	22	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	VANADIUM (TOTAL)	5.1		0.39	0.39	mg/Kg
MW-195	AW439	11/30/2001	CL200.7	ZINC (TOTAL)	4	J	0.28	0.28	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	ALUMINUM (TOTAL)	1460		4.04	4.04	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	ARSENIC (TOTAL)	1.6	J	0.461	0.461	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	BARIUM (TOTAL)	6.3		0.664	0.664	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0184	0.0184	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	CALCIUM (TOTAL)	94		16.5	16.5	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	CHROMIUM (TOTAL)	3.3		0.166	0.166	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	COBALT (TOTAL)	1.4		0.24	0.24	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	COPPER (TOTAL)	2.8		0.203	0.203	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	IRON (TOTAL)	4250		3.76	3.76	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	LEAD (TOTAL)	2.5		0.314	0.314	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	MAGNESIUM (TOTAL)	507		16.4	16.4	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	MANGANESE (TOTAL)	51.1		0.0738	0.0738	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	NICKEL (TOTAL)	2.1		0.166	0.166	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	POTASSIUM (TOTAL)	288		35.6	35.6	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	VANADIUM (TOTAL)	7.1		0.221	0.221	mg/Kg
MW-30	S30DCA	10/27/1997	CL200.7	ZINC (TOTAL)	8.8		0.351	0.351	mg/Kg
MW-30	S30DCA	10/27/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg
MW-30	S30DCA	10/27/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	63.9	J	63.9	63.9	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	ALUMINUM (TOTAL)	1500		4.17	4.17	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	ARSENIC (TOTAL)	0.73	J	0.476	0.476	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	BARIUM (TOTAL)	9.3		0.685	0.685	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	BERYLLIUM (TOTAL)	0.16		0.019	0.019	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	CALCIUM (TOTAL)	183		17	17	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	CHROMIUM (TOTAL)	4		0.171	0.171	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	COBALT (TOTAL)	1.7		0.247	0.247	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-30	S30DDA	10/27/1997	CL200.7	COPPER (TOTAL)	3.1		0.209	0.209	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	IRON (TOTAL)	3960		3.88	3.88	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	MAGNESIUM (TOTAL)	624		16.9	16.9	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	MANGANESE (TOTAL)	167		0.0761	0.0761	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	NICKEL (TOTAL)	2.5		0.171	0.171	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	POTASSIUM (TOTAL)	415		36.8	36.8	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	VANADIUM (TOTAL)	3.8	J	0.228	0.228	mg/Kg
MW-30	S30DDA	10/27/1997	CL200.7	ZINC (TOTAL)	13.9	J	0.362	0.362	mg/Kg
MW-30	S30DDA	10/27/1997	E350.2	NITROGEN, AMMONIA (AS N)	3	J	3	3	mg/Kg
MW-30	S30DDA	10/27/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.03	0.03	mg/Kg
MW-30	S30DDA	10/27/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	99.2	J	99.2	99.2	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	ALUMINUM (TOTAL)	497		3.96	3.96	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	BARIUM (TOTAL)	2.1		0.651	0.651	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	BERYLLIUM (TOTAL)	0.064		0.0181	0.0181	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	CALCIUM (TOTAL)	30.3	J	16.1	16.1	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	CHROMIUM (TOTAL)	1.1		0.163	0.163	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	COBALT (TOTAL)	0.51		0.235	0.235	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	COPPER (TOTAL)	5.5		0.199	0.199	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	IRON (TOTAL)	994		3.69	3.69	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	MAGNESIUM (TOTAL)	168		16.1	16.1	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	MANGANESE (TOTAL)	19.4		0.0723	0.0723	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	NICKEL (TOTAL)	1.3		0.163	0.163	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	POTASSIUM (TOTAL)	89.6		34.9	34.9	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	VANADIUM (TOTAL)	1.5	J	0.217	0.217	mg/Kg
MW-30	S30DEA	10/27/1997	CL200.7	ZINC (TOTAL)	13.9	J	0.344	0.344	mg/Kg
MW-30	S30DEA	10/27/1997	E350.2	NITROGEN, AMMONIA (AS N)	4.8	J	4.8	4.8	mg/Kg
MW-30	S30DEA	10/27/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	39.7	J	39.7	39.7	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	ALUMINUM (TOTAL)	9270		1.5	1.5	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	ARSENIC (TOTAL)	3.8	J	0.75	0.75	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	BARIUM (TOTAL)	22.5		1.7	1.7	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	BERYLLIUM (TOTAL)	0.41		0.04	0.04	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	BORON (TOTAL)	4		0.42	0.42	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	CADMIUM (TOTAL)	0.33		0.04	0.04	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	CALCIUM (TOTAL)	1010		61.6	61.6	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VC	AT367	10/15/2001	CL200.7	CHROMIUM (TOTAL)	12.5		0.23	0.23	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	COBALT (TOTAL)	4.8		0.48	0.48	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	COPPER (TOTAL)	7.5		0.8	0.85	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	IRON (TOTAL)	11900		3.5	3.5	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	LEAD (TOTAL)	11.3		0.12	0.12	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	MAGNESIUM (TOTAL)	2180		37.6	37.6	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	MANGANESE (TOTAL)	143		0.27	0.27	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	NICKEL (TOTAL)	7.8		0.39	0.39	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	POTASSIUM (TOTAL)	967		45	45	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	VANADIUM (TOTAL)	21.9		0.41	0.41	mg/Kg
SS102VC	AT367	10/15/2001	CL200.7	ZINC (TOTAL)	78.2		0.29	0.29	mg/Kg
SS102VC	AT367	10/15/2001	SW8270	BENZOIC ACID	43	J	43	1000	ug/Kg
SS102VC	AT367	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	170	J	121	400	ug/Kg
SS102VC	AT368	10/15/2001	CL200.7	ALUMINUM (TOTAL)	9140		1.8	1.8	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	ANTIMONY (TOTAL)	0.54	J	0.5	0.5	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	ARSENIC (TOTAL)	4.1	J	0.89	0.89	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	BARIUM (TOTAL)	13.9		2	2	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	BERYLLIUM (TOTAL)	0.37		0.05	0.05	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	BORON (TOTAL)	3.5		0.5	0.5	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	CADMIUM (TOTAL)	0.14		0.05	0.05	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	CALCIUM (TOTAL)	413		72.6	72.6	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	CHROMIUM (TOTAL)	11.6		0.27	0.27	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	COBALT (TOTAL)	4.5		0.57	0.57	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	COPPER (TOTAL)	3.8		0.8	1	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	IRON (TOTAL)	11100		4.1	4.1	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	LEAD (TOTAL)	5.8		0.14	0.14	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	MAGNESIUM (TOTAL)	1600		44.3	44.3	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	MANGANESE (TOTAL)	102		0.32	0.32	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	NICKEL (TOTAL)	6.2		0.46	0.46	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	POTASSIUM (TOTAL)	826		53	53	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	VANADIUM (TOTAL)	17.5		0.48	0.48	mg/Kg
SS102VC	AT368	10/15/2001	CL200.7	ZINC (TOTAL)	21.9		0.34	0.34	mg/Kg
SS102VC	AT368	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	30	J	30	370	ug/Kg
SS102VC	AT369	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	35	J	35	380	ug/Kg

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NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VC	AT369	10/15/2001	SW8270	DI-N-BUTYL PHTHALATE	52	J	52	380	ug/Kg
SS102VF	AT379	10/15/2001	CL200.7	ALUMINUM (TOTAL)	11400		1.9	1.9	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	ARSENIC (TOTAL)	4.6	J	0.97	0.97	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	BARIUM (TOTAL)	17		2.2	2.2	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	BERYLLIUM (TOTAL)	0.35		0.05	0.05	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	BORON (TOTAL)	3.9		0.55	0.55	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	CADMIUM (TOTAL)	0.53		0.05	0.05	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	CALCIUM (TOTAL)	1130		79.5	79.5	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	CHROMIUM (TOTAL)	13.6		0.3	0.3	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	COBALT (TOTAL)	3.4		0.62	0.62	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	COPPER (TOTAL)	227		0.8	1.1	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	IRON (TOTAL)	16700		4.5	4.5	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	LEAD (TOTAL)	27.1		0.15	0.15	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	MAGNESIUM (TOTAL)	1320		48.5	48.5	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	MANGANESE (TOTAL)	101		0.35	0.35	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	NICKEL (TOTAL)	7.6		0.5	0.5	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	POTASSIUM (TOTAL)	690		58	58	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	VANADIUM (TOTAL)	24.3		0.52	0.52	mg/Kg
SS102VF	AT379	10/15/2001	CL200.7	ZINC (TOTAL)	56.4		0.37	0.37	mg/Kg
SS102VF	AT379	10/15/2001	SW8270	2,4-DINITROTOLUENE	830		35.8	410	ug/Kg
SS102VF	AT379	10/15/2001	SW8270	2,6-DINITROTOLUENE	52	J	37.7	410	ug/Kg
SS102VF	AT379	10/15/2001	SW8270	BENZOIC ACID	62	J	62	1000	ug/Kg
SS102VF	AT379	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	57	J	57	410	ug/Kg
SS102VF	AT379	10/15/2001	SW8270	DI-N-BUTYL PHTHALATE	1000		71.5	410	ug/Kg
SS102VF	AT379	10/15/2001	SW8270	N-NITROSODIPHENYLAMINE	70	J	70	410	ug/Kg
SS102VF	AT380	10/15/2001	CL200.7	ALUMINUM (TOTAL)	11000		1.4	1.4	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	ARSENIC (TOTAL)	3.9	J	0.7	0.7	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	BARIUM (TOTAL)	14.8		1.6	1.6	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	BERYLLIUM (TOTAL)	0.38		0.04	0.04	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	BORON (TOTAL)	3.8		0.39	0.39	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	CADMIUM (TOTAL)	0.14		0.04	0.04	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	CALCIUM (TOTAL)	261		56.8	56.8	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	CHROMIUM (TOTAL)	13.4		0.21	0.21	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	COBALT (TOTAL)	4.5		0.45	0.45	mg/Kg

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ug/Kg = microgram per Kilogram
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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VF	AT380	10/15/2001	CL200.7	COPPER (TOTAL)	8.2		0.78	0.78	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	IRON (TOTAL)	12200		3.2	3.2	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	LEAD (TOTAL)	7.4		0.11	0.11	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	MAGNESIUM (TOTAL)	1670		34.7	34.7	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	MANGANESE (TOTAL)	79.1		0.25	0.25	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	NICKEL (TOTAL)	6.4		0.36	0.36	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	POTASSIUM (TOTAL)	745		41.5	41.5	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	VANADIUM (TOTAL)	20.4		0.37	0.37	mg/Kg
SS102VF	AT380	10/15/2001	CL200.7	ZINC (TOTAL)	17.4		0.27	0.27	mg/Kg
SS102VF	AT380	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	36	J	36	380	ug/Kg
SS102VF	AT381	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	33	J	33	380	ug/Kg
SS102VG	AT383	10/12/2001	CL200.7	ALUMINUM (TOTAL)	9530		1.7	1.7	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	ARSENIC (TOTAL)	4		0.86	0.86	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	BARIUM (TOTAL)	14.7		0.88	0.88	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	BERYLLIUM (TOTAL)	0.21	J	0.04	0.04	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	BORON (TOTAL)	5.1	J	0.49	0.49	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	CADMIUM (TOTAL)	0.12		0.04	0.04	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	CALCIUM (TOTAL)	573		70.5	70.5	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	CHROMIUM (TOTAL)	10.9		0.15	0.15	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	COBALT (TOTAL)	2.6		0.31	0.31	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	COPPER (TOTAL)	6.6		0.22	0.22	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	IRON (TOTAL)	10500		3.5	3.5	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	LEAD (TOTAL)	11.3		0.13	0.13	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	MAGNESIUM (TOTAL)	1110		43	43	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	MANGANESE (TOTAL)	60.3		0.13	0.13	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	NICKEL (TOTAL)	5.2		0.46	0.46	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	POTASSIUM (TOTAL)	629	J	25.8	25.8	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	VANADIUM (TOTAL)	18.8		0.46	0.46	mg/Kg
SS102VG	AT383	10/12/2001	CL200.7	ZINC (TOTAL)	23.4		0.2	0.2	mg/Kg
SS102VG	AT383	10/12/2001	SW8270	BENZOIC ACID	38	J	38	970	ug/Kg
SS102VG	AT383	10/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	21	J	21	380	ug/Kg
SS102VG	AT383	10/12/2001	SW8270	PYRENE	19	J	19	380	ug/Kg
SS102VG	AT384	10/12/2001	CL200.7	ALUMINUM (TOTAL)	12000		1.7	1.7	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	ARSENIC (TOTAL)	3.9		0.85	0.85	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VG	AT384	10/12/2001	CL200.7	BARIUM (TOTAL)	15.6		0.88	0.88	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	BERYLLIUM (TOTAL)	0.42		0.04	0.04	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	BORON (TOTAL)	6	J	0.48	0.48	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	CADMIUM (TOTAL)	0.13		0.04	0.04	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	CALCIUM (TOTAL)	231		69.8	69.8	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	CHROMIUM (TOTAL)	13.7		0.15	0.15	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	COBALT (TOTAL)	3.8		0.31	0.31	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	COPPER (TOTAL)	5.1		0.22	0.22	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	IRON (TOTAL)	13300		3.4	3.4	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	LEAD (TOTAL)	8.2		0.13	0.13	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	MAGNESIUM (TOTAL)	1530		42.6	42.6	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	MANGANESE (TOTAL)	70.1		0.13	0.13	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	MOLYBDENUM (TOTAL)	0.38	J	0.2	0.2	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	NICKEL (TOTAL)	6.5		0.46	0.46	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	POTASSIUM (TOTAL)	805	J	25.6	25.6	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	VANADIUM (TOTAL)	21.4		0.46	0.46	mg/Kg
SS102VG	AT384	10/12/2001	CL200.7	ZINC (TOTAL)	18.1		0.2	0.2	mg/Kg
SS102VG	AT384	10/12/2001	SW8270	BENZOIC ACID	42	J	42	950	ug/Kg
SS102VI	AT391	10/15/2001	CL200.7	ALUMINUM (TOTAL)	8200		1.7	1.7	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	ARSENIC (TOTAL)	2.8	J	0.87	0.87	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	BARIUM (TOTAL)	15.4		2	2	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	BERYLLIUM (TOTAL)	0.28		0.04	0.04	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	BORON (TOTAL)	2.7		0.49	0.49	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	CADMIUM (TOTAL)	0.2		0.04	0.04	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	CALCIUM (TOTAL)	557		70.8	70.8	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	CHROMIUM (TOTAL)	11		0.27	0.27	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	COBALT (TOTAL)	3.7		0.55	0.55	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	COPPER (TOTAL)	6.8		0.8	0.98	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	IRON (TOTAL)	10600		4	4	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	LEAD (TOTAL)	11.1		0.13	0.13	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	MAGNESIUM (TOTAL)	1810		43.2	43.2	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	MANGANESE (TOTAL)	101		0.31	0.31	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	NICKEL (TOTAL)	7.2		0.44	0.44	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	POTASSIUM (TOTAL)	819		51.7	51.7	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VI	AT391	10/15/2001	CL200.7	VANADIUM (TOTAL)	19		0.47	0.47	mg/Kg
SS102VI	AT391	10/15/2001	CL200.7	ZINC (TOTAL)	39.6		0.33	0.33	mg/Kg
SS102VI	AT391	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	52	J	52	370	ug/Kg
SS102VI	AT392	10/15/2001	CL200.7	ALUMINUM (TOTAL)	8170		1.7	1.7	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	ARSENIC (TOTAL)	2.5	J	0.87	0.87	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	BARIUM (TOTAL)	16.8		2	2	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	BERYLLIUM (TOTAL)	0.27		0.04	0.04	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	BORON (TOTAL)	2.6		0.49	0.49	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	CADMIUM (TOTAL)	0.18		0.04	0.04	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	CALCIUM (TOTAL)	583		70.8	70.8	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	CHROMIUM (TOTAL)	9.8		0.27	0.27	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	COBALT (TOTAL)	4.3		0.55	0.55	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	COPPER (TOTAL)	23.6		0.8	0.98	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	IRON (TOTAL)	10200		4	4	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	LEAD (TOTAL)	8.4		0.13	0.13	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	MAGNESIUM (TOTAL)	1500		43.2	43.2	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	MANGANESE (TOTAL)	125		0.31	0.31	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	NICKEL (TOTAL)	5.5		0.44	0.44	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	POTASSIUM (TOTAL)	922		51.7	51.7	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	VANADIUM (TOTAL)	16.8		0.47	0.47	mg/Kg
SS102VI	AT392	10/15/2001	CL200.7	ZINC (TOTAL)	30.2		0.33	0.33	mg/Kg
SS102VI	AT392	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	53	J	53	380	ug/Kg
SS102VI	AT393	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	36	J	36	360	ug/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	ALUMINUM (TOTAL)	9390		4.7	28.962	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.81	J	0.49	8.6886	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	ARSENIC (TOTAL)	6.4		0.43	1.4481	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	BARIUM (TOTAL)	22.3	J	0.72	28.962	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.19	J	0.043	0.7241	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	BORON (TOTAL)	11	J	0.43	14.481	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	CALCIUM (TOTAL)	510	J	19.8	724.05	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	CHROMIUM (TOTAL)	11.4		0.16	1.4481	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	COBALT (TOTAL)	1.7	J	0.25	7.2405	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	COPPER (TOTAL)	8.8		0.38	3.6203	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	IRON (TOTAL)	14900		6.9	14.481	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YI	MPAD1-A	6/24/2004	SW6010B	LEAD (TOTAL)	39.2		0.22	0.4344	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	676	J	20.4	724.05	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	MANGANESE (TOTAL)	53.7		0.072	2.1722	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	NICKEL (TOTAL)	6		0.23	5.7924	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	POTASSIUM (TOTAL)	382	J	28.5	724.05	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	SELENIUM (TOTAL)	1.3		0.46	0.7241	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	VANADIUM (TOTAL)	35.6		0.23	7.2405	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW6010B	ZINC (TOTAL)	18.8		0.26	2.8962	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW7471A	MERCURY (TOTAL)	0.077		0.025	0.0602	mg/Kg
SS102YI	MPAD1-A	6/24/2004	SW8270C	BENZOIC ACID	240	J	185	1200	ug/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	ALUMINUM (TOTAL)	13700		4.2	25.6049	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.65	J	0.44	7.6815	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.3		0.38	1.2802	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	BARIUM (TOTAL)	14.2	J	0.64	25.6049	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.31	J	0.038	0.6401	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	BORON (TOTAL)	10	J	0.38	12.8025	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	CALCIUM (TOTAL)	131	J	17.5	640.1229	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	CHROMIUM (TOTAL)	13.9		0.14	1.2802	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	COBALT (TOTAL)	1.8	J	0.22	6.4012	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	COPPER (TOTAL)	4.6		0.33	3.2006	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	IRON (TOTAL)	15400		6.1	12.8025	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	LEAD (TOTAL)	13.8		0.2	0.399	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	682		18	640.1229	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	MANGANESE (TOTAL)	31.1		0.064	1.9204	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	NICKEL (TOTAL)	4.8	J	0.2	5.121	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	POTASSIUM (TOTAL)	297	J	25.2	640.1229	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	SELENIUM (TOTAL)	0.98		0.41	0.6401	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	VANADIUM (TOTAL)	24.3		0.2	6.4012	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW6010B	ZINC (TOTAL)	12.8		0.23	2.5605	mg/Kg
SS102YI	MPAD1-B	6/24/2004	SW7471A	MERCURY (TOTAL)	0.055		0.021	0.0498	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	ALUMINUM (TOTAL)	17100		3.5	21.645	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.64	J	0.37	6.4935	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	ARSENIC (TOTAL)	5.9		0.32	1.0823	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	BARIUM (TOTAL)	17.2	J	0.54	21.645	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YI	MPAD1-C	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.38	J	0.033	0.5411	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	BORON (TOTAL)	12.3		0.32	10.8225	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	CHROMIUM (TOTAL)	20.3		0.12	1.0823	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	COBALT (TOTAL)	3.3	J	0.18	5.4113	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	COPPER (TOTAL)	3.5		0.28	2.7056	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	IRON (TOTAL)	21400		5.2	10.8225	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	LEAD (TOTAL)	10.2		0.17	0.3479	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	1270		15.2	541.1255	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	MANGANESE (TOTAL)	48.6		0.054	1.6234	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	NICKEL (TOTAL)	7.2		0.17	4.329	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	POTASSIUM (TOTAL)	334	J	21.3	541.1255	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	SELENIUM (TOTAL)	0.87		0.35	0.5411	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	VANADIUM (TOTAL)	27		0.17	5.4113	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW6010B	ZINC (TOTAL)	15.6		0.19	2.1645	mg/Kg
SS102YI	MPAD1-C	6/24/2004	SW7471A	MERCURY (TOTAL)	0.033	J	0.021	0.0503	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	ALUMINUM (TOTAL)	10800		3.9	23.5222	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.65	J	0.4	7.0567	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.3		0.35	1.1761	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	BARIUM (TOTAL)	13.8	J	0.59	23.5222	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.27	J	0.035	0.5881	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	BORON (TOTAL)	9.2	J	0.35	11.7611	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	CALCIUM (TOTAL)	155	J	16.1	588.0554	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	CHROMIUM (TOTAL)	11.6		0.13	1.1761	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	COBALT (TOTAL)	1.8	J	0.2	5.8806	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	COPPER (TOTAL)	3.9		0.31	2.9403	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	IRON (TOTAL)	13900		5.6	11.7611	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	LEAD (TOTAL)	24		0.18	0.3528	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	623		16.5	588.0554	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	MANGANESE (TOTAL)	39.6		0.059	1.7642	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	NICKEL (TOTAL)	4.5	J	0.19	4.7044	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	POTASSIUM (TOTAL)	303	J	23.1	588.0554	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	SELENIUM (TOTAL)	0.63		0.38	0.5881	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	VANADIUM (TOTAL)	24.8		0.19	5.8806	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW6010B	ZINC (TOTAL)	14.9		0.21	2.3522	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YJ	MPAD2-A	6/24/2004	SW7471A	MERCURY (TOTAL)	0.062		0.019	0.0461	mg/Kg
SS102YJ	MPAD2-A	6/24/2004	SW8270C	BENZOIC ACID	460	J	161	1100	ug/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	ALUMINUM (TOTAL)	13800		4.6	28.2087	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.6	J	0.48	8.4626	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.4		0.42	1.4104	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	BARIUM (TOTAL)	13.9	J	0.71	28.2087	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.042	0.7052	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	BORON (TOTAL)	10.5	J	0.42	14.1044	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	CALCIUM (TOTAL)	118	J	19.3	705.2186	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	CHROMIUM (TOTAL)	14.2		0.16	1.4104	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	COBALT (TOTAL)	2.1	J	0.24	7.0522	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	COPPER (TOTAL)	3.2	J	0.37	3.5261	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	IRON (TOTAL)	16200		6.7	14.1044	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	LEAD (TOTAL)	21.3		0.21	0.4231	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	751		19.8	705.2186	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	MANGANESE (TOTAL)	35.4		0.07	2.1157	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	NICKEL (TOTAL)	4.7	J	0.23	5.6417	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	POTASSIUM (TOTAL)	315	J	27.7	705.2186	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	VANADIUM (TOTAL)	24.8		0.23	7.0522	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW6010B	ZINC (TOTAL)	13.3		0.25	2.8209	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW7471A	MERCURY (TOTAL)	0.055		0.02	0.047	mg/Kg
SS102YJ	MPAD2-B	6/24/2004	SW8270C	BENZOIC ACID	200	J	173	1200	ug/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	ALUMINUM (TOTAL)	17500		4.1	24.9408	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.63	J	0.42	7.4822	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	ARSENIC (TOTAL)	5.2		0.37	1.247	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	BARIUM (TOTAL)	16.1	J	0.62	24.9408	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.037	0.6235	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	BORON (TOTAL)	11.5	J	0.37	12.4704	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	CALCIUM (TOTAL)	79.1	J	17.1	623.5191	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	CHROMIUM (TOTAL)	18.8		0.14	1.247	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	COBALT (TOTAL)	3.1	J	0.21	6.2352	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	COPPER (TOTAL)	3.1	J	0.32	3.1176	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	IRON (TOTAL)	18400		6	12.4704	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	LEAD (TOTAL)	10.7		0.17	0.3346	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YJ	MPAD2-C	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	1070		17.5	623.5191	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	MANGANESE (TOTAL)	44.1		0.062	1.8706	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	NICKEL (TOTAL)	6.8		0.2	4.9882	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	POTASSIUM (TOTAL)	373	J	24.5	623.5191	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	SELENIUM (TOTAL)	0.66		0.4	0.6235	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	VANADIUM (TOTAL)	26.2		0.2	6.2352	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW6010B	ZINC (TOTAL)	14.2		0.22	2.4941	mg/Kg
SS102YJ	MPAD2-C	6/24/2004	SW7471A	MERCURY (TOTAL)	0.037	J	0.02	0.0484	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	ALUMINUM (TOTAL)	8120		4.2	25.8211	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.78	J	0.44	7.7463	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	ARSENIC (TOTAL)	3.7		0.39	1.2911	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	BARIUM (TOTAL)	18.5	J	0.65	25.8211	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.22	J	0.039	0.6455	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	BORON (TOTAL)	8.8	J	0.39	12.9106	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	CALCIUM (TOTAL)	495	J	17.7	645.5278	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	CHROMIUM (TOTAL)	9.4		0.14	1.2911	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	COBALT (TOTAL)	1.6	J	0.22	6.4553	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	COPPER (TOTAL)	7.2		0.34	3.2276	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	IRON (TOTAL)	12100		6.2	12.9106	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	LEAD (TOTAL)	25.4		0.19	0.3873	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	643	J	18.2	645.5278	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	MANGANESE (TOTAL)	55.9		0.065	1.9366	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	NICKEL (TOTAL)	4.6	J	0.21	5.1642	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	POTASSIUM (TOTAL)	369	J	25.4	645.5278	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	SELENIUM (TOTAL)	1.1		0.41	0.6455	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	VANADIUM (TOTAL)	26.7		0.21	6.4553	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW6010B	ZINC (TOTAL)	18.2		0.23	2.5821	mg/Kg
SS102YK	MPAD3-A	6/24/2004	SW7471A	MERCURY (TOTAL)	0.076		0.021	0.0515	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	ALUMINUM (TOTAL)	8790		4.9	29.7619	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.92	J	0.51	8.9286	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.1		0.45	1.4881	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	BARIUM (TOTAL)	21.9	J	0.74	29.7619	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.045	0.744	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	BORON (TOTAL)	10	J	0.45	14.881	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	CALCIUM (TOTAL)	530	J	20.4	744.0476	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	CHROMIUM (TOTAL)	10		0.16	1.4881	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	COBALT (TOTAL)	1.7	J	0.25	7.4405	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	COPPER (TOTAL)	7.7		0.39	3.7202	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	IRON (TOTAL)	12700		7.1	14.881	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	LEAD (TOTAL)	30.6		0.22	0.4464	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	688	J	20.9	744.0476	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	MANGANESE (TOTAL)	57.5		0.074	2.2321	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	NICKEL (TOTAL)	5.3	J	0.24	5.9524	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	POTASSIUM (TOTAL)	425	J	29.2	744.0476	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	SELENIUM (TOTAL)	0.76		0.48	0.744	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	VANADIUM (TOTAL)	27.3		0.24	7.4405	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW6010B	ZINC (TOTAL)	22.1		0.27	2.9762	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW7471A	MERCURY (TOTAL)	0.083		0.022	0.0541	mg/Kg
SS102YK	MPAD3-AFD	6/24/2004	SW8270C	BENZOIC ACID	220	J	183	1200	ug/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	ALUMINUM (TOTAL)	12800		4.4	26.8601	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.77	J	0.46	8.058	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.8		0.4	1.343	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	BARIUM (TOTAL)	17.1	J	0.67	26.8601	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.31	J	0.04	0.6715	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	BORON (TOTAL)	10.2	J	0.4	13.43	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	CALCIUM (TOTAL)	200	J	18.4	671.5015	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	CHROMIUM (TOTAL)	13.3		0.15	1.343	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	COBALT (TOTAL)	2.3	J	0.23	6.715	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	COPPER (TOTAL)	6.1		0.35	3.3575	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	IRON (TOTAL)	15200		6.4	13.43	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	LEAD (TOTAL)	21.7		0.2	0.4029	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	784		18.9	671.5015	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	MANGANESE (TOTAL)	61.9		0.067	2.0145	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	NICKEL (TOTAL)	5.3	J	0.21	5.372	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	POTASSIUM (TOTAL)	334	J	26.4	671.5015	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	SELENIUM (TOTAL)	1.2		0.43	0.6715	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	VANADIUM (TOTAL)	25.6		0.21	6.715	mg/Kg
SS102YK	MPAD3-B	6/24/2004	SW6010B	ZINC (TOTAL)	18.6		0.24	2.686	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YK	MPAD3-B	6/24/2004	SW7471A	MERCURY (TOTAL)	0.061		0.021	0.0514	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	ALUMINUM (TOTAL)	12100		4.2	25.8448	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.76	J	0.44	7.7534	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.4		0.39	1.2922	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	BARIUM (TOTAL)	16.8	J	0.65	25.8448	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.039	0.6461	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	BORON (TOTAL)	10.5	J	0.39	12.9224	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	CALCIUM (TOTAL)	195	J	17.7	646.12	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	CHROMIUM (TOTAL)	12.4		0.14	1.2922	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	COBALT (TOTAL)	2.1	J	0.22	6.4612	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	COPPER (TOTAL)	5		0.34	3.2306	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	IRON (TOTAL)	14800		6.2	12.9224	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	LEAD (TOTAL)	19.2		0.19	0.3877	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	703		18.2	646.12	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	MANGANESE (TOTAL)	68		0.065	1.9384	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	NICKEL (TOTAL)	4.9	J	0.21	5.169	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	POTASSIUM (TOTAL)	301	J	25.4	646.12	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	SELENIUM (TOTAL)	1		0.41	0.6461	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	VANADIUM (TOTAL)	24.8		0.21	6.4612	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW6010B	ZINC (TOTAL)	16.7		0.23	2.5845	mg/Kg
SS102YK	MPAD3-BFD	6/24/2004	SW7471A	MERCURY (TOTAL)	0.079		0.02	0.0479	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	ALUMINUM (TOTAL)	17300		3.5	21.3049	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.98	J	0.36	6.3915	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	ARSENIC (TOTAL)	5.3		0.32	1.0652	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	BARIUM (TOTAL)	16.6	J	0.53	21.3049	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.41	J	0.032	0.5326	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	BORON (TOTAL)	11.8		0.32	10.6525	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	CALCIUM (TOTAL)	135	J	14.6	532.6232	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	CHROMIUM (TOTAL)	18.3		0.12	1.0652	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	COBALT (TOTAL)	3.2	J	0.18	5.3262	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	COPPER (TOTAL)	3.5		0.28	2.6631	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	IRON (TOTAL)	17900		5.1	10.6525	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	LEAD (TOTAL)	13		0.18	0.3567	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	1130		15	532.6232	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YK	MPAD3-C	6/24/2004	SW6010B	MANGANESE (TOTAL)	47.6		0.053	1.5979	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	NICKEL (TOTAL)	6.7		0.17	4.261	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	POTASSIUM (TOTAL)	350	J	20.9	532.6232	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	SELENIUM (TOTAL)	1		0.34	0.5326	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	VANADIUM (TOTAL)	25.4		0.17	5.3262	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW6010B	ZINC (TOTAL)	18.4		0.19	2.1305	mg/Kg
SS102YK	MPAD3-C	6/24/2004	SW7471A	MERCURY (TOTAL)	0.052		0.02	0.0484	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	ALUMINUM (TOTAL)	16000		4	24.664	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.89	J	0.42	7.3992	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	ARSENIC (TOTAL)	5.1		0.37	1.2332	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	BARIUM (TOTAL)	14	J	0.62	24.664	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.037	0.6166	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	BORON (TOTAL)	11.1	J	0.37	12.332	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	CALCIUM (TOTAL)	115	J	16.9	616.5988	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	CHROMIUM (TOTAL)	16.5		0.14	1.2332	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	COBALT (TOTAL)	2.9	J	0.21	6.166	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	COPPER (TOTAL)	3.1		0.32	3.083	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	IRON (TOTAL)	16800		5.9	12.332	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	LEAD (TOTAL)	13.3		0.18	0.3631	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	984		17.3	616.5988	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	MANGANESE (TOTAL)	41.2		0.062	1.8498	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	NICKEL (TOTAL)	6.2		0.2	4.9328	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	POTASSIUM (TOTAL)	319	J	24.2	616.5988	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	SELENIUM (TOTAL)	1.1		0.39	0.6166	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	VANADIUM (TOTAL)	24.1		0.2	6.166	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW6010B	ZINC (TOTAL)	15.9		0.22	2.4664	mg/Kg
SS102YK	MPAD3-CFD	6/24/2004	SW7471A	MERCURY (TOTAL)	0.038	J	0.02	0.049	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	ALUMINUM (TOTAL)	7760		4.6	28.0151	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.67	J	0.48	8.4045	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.2		0.42	1.4008	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	BARIUM (TOTAL)	21.9	J	0.7	28.0151	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.19	J	0.042	0.7004	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	BORON (TOTAL)	9.5	J	0.42	14.0076	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	CALCIUM (TOTAL)	267	J	19.2	700.3782	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YL	MPAD4-A	6/24/2004	SW6010B	CHROMIUM (TOTAL)	9.5		0.15	1.4008	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	COBALT (TOTAL)	1.6	J	0.24	7.0038	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	COPPER (TOTAL)	6.7		0.36	3.5019	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	IRON (TOTAL)	12000		6.7	14.0076	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	LEAD (TOTAL)	52.3		0.21	0.4202	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	491	J	19.7	700.3782	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	MANGANESE (TOTAL)	29.7		0.07	2.1011	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	NICKEL (TOTAL)	5.9		0.22	5.603	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	POTASSIUM (TOTAL)	310	J	27.5	700.3782	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	SELENIUM (TOTAL)	1		0.45	0.7004	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	VANADIUM (TOTAL)	38.7		0.22	7.0038	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW6010B	ZINC (TOTAL)	15.5		0.25	2.8015	mg/Kg
SS102YL	MPAD4-A	6/24/2004	SW7471A	MERCURY (TOTAL)	0.096		0.025	0.0596	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	ALUMINUM (TOTAL)	12400		3.5	21.4427	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.39	J	0.36	6.4328	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.5		0.32	1.0721	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	BARIUM (TOTAL)	14.9	J	0.54	21.4427	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.032	0.5361	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	BORON (TOTAL)	10.4	J	0.32	10.7213	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	CALCIUM (TOTAL)	103	J	14.7	536.0666	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	CHROMIUM (TOTAL)	12.2		0.12	1.0721	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	COBALT (TOTAL)	1.8	J	0.18	5.3607	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	COPPER (TOTAL)	3.8		0.28	2.6803	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	IRON (TOTAL)	15100		5.1	10.7213	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	LEAD (TOTAL)	13.2		0.16	0.3216	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	564		15.1	536.0666	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	MANGANESE (TOTAL)	28.9		0.054	1.6082	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	NICKEL (TOTAL)	4.5		0.17	4.2885	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	POTASSIUM (TOTAL)	278	J	21.1	536.0666	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	SELENIUM (TOTAL)	0.82		0.34	0.5361	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	VANADIUM (TOTAL)	23.4		0.17	5.3607	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW6010B	ZINC (TOTAL)	13.1		0.19	2.1443	mg/Kg
SS102YL	MPAD4-B	6/24/2004	SW7471A	MERCURY (TOTAL)	0.054		0.023	0.0544	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	ALUMINUM (TOTAL)	15200		3.8	23.0158	mg/Kg

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mg/Kg = milligram per Kilogram

TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YL	MPAD4-C	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.58	J	0.39	6.9047	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.3		0.35	1.1508	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	BARIUM (TOTAL)	14	J	0.58	23.0158	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.035	0.5754	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	BORON (TOTAL)	10.2	J	0.35	11.5079	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	CHROMIUM (TOTAL)	16.1		0.13	1.1508	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	COBALT (TOTAL)	2.7	J	0.2	5.7539	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	COPPER (TOTAL)	2.5	J	0.3	2.877	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	IRON (TOTAL)	15200		5.5	11.5079	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	LEAD (TOTAL)	10.3		0.18	0.368	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	883		16.2	575.3939	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	MANGANESE (TOTAL)	39.4		0.058	1.7262	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	NICKEL (TOTAL)	6.1		0.18	4.6032	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	POTASSIUM (TOTAL)	274	J	22.6	575.3939	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	SELENIUM (TOTAL)	0.62		0.37	0.5754	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	VANADIUM (TOTAL)	22.7		0.18	5.7539	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW6010B	ZINC (TOTAL)	13.3		0.21	2.3016	mg/Kg
SS102YL	MPAD4-C	6/24/2004	SW7471A	MERCURY (TOTAL)	0.049		0.021	0.0503	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	ALUMINUM (TOTAL)	12100		4.6	28.2941	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.5		0.42	1.4147	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	BARIUM (TOTAL)	18.2	J	0.71	28.2941	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.31	J	0.042	0.7074	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	BORON (TOTAL)	10.7	J	0.42	14.1471	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	CALCIUM (TOTAL)	270	J	19.4	707.3536	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	CHROMIUM (TOTAL)	13.7		0.16	1.4147	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	COBALT (TOTAL)	2.4	J	0.24	7.0735	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	COPPER (TOTAL)	5.8		0.37	3.5368	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	IRON (TOTAL)	14300		6.8	14.1471	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	LEAD (TOTAL)	26		0.21	0.4244	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	889		19.9	707.3536	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	MANGANESE (TOTAL)	72.5		0.071	2.1221	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	NICKEL (TOTAL)	6		0.23	5.6588	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	POTASSIUM (TOTAL)	395	J	27.8	707.3536	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	SELENIUM (TOTAL)	1.2		0.45	0.7074	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YM	MPAD5-A	6/24/2004	SW6010B	VANADIUM (TOTAL)	27.5		0.23	7.0735	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW6010B	ZINC (TOTAL)	19.5		0.25	2.8294	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW7471A	MERCURY (TOTAL)	0.071		0.022	0.0541	mg/Kg
SS102YM	MPAD5-A	6/24/2004	SW8330	2-NITROTOLUENE	160		13.7	120	ug/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	ALUMINUM (TOTAL)	12900		4.3	26.2044	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.81	J	0.45	7.8613	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.7		0.39	1.3102	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	BARIUM (TOTAL)	17.2	J	0.66	26.2044	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.039	0.6551	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	BORON (TOTAL)	10.6	J	0.39	13.1022	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	CALCIUM (TOTAL)	109	J	17.9	655.1105	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	CHROMIUM (TOTAL)	14.4		0.14	1.3102	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	COBALT (TOTAL)	2.6	J	0.22	6.5511	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	COPPER (TOTAL)	5.2		0.34	3.2756	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	IRON (TOTAL)	14900		6.3	13.1022	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	LEAD (TOTAL)	17		0.2	0.3931	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	1040		18.4	655.1105	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	MANGANESE (TOTAL)	49.3		0.066	1.9653	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	NICKEL (TOTAL)	5.8		0.21	5.2409	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	POTASSIUM (TOTAL)	328	J	25.7	655.1105	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	SELENIUM (TOTAL)	0.71		0.42	0.6551	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	VANADIUM (TOTAL)	24.1		0.21	6.5511	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW6010B	ZINC (TOTAL)	18.9		0.24	2.6204	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW7471A	MERCURY (TOTAL)	0.06		0.018	0.0438	mg/Kg
SS102YM	MPAD5-B	6/24/2004	SW8270C	PHENANTHRENE	38	J	35.5	440	ug/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	ALUMINUM (TOTAL)	14000		4.1	24.8917	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	ANTIMONY (TOTAL)	0.83	J	0.42	7.4675	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	ARSENIC (TOTAL)	4.8		0.37	1.2446	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	BARIUM (TOTAL)	18.3	J	0.62	24.8917	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	BERYLLIUM (TOTAL)	0.38	J	0.037	0.6223	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	BORON (TOTAL)	8.1	J	0.37	12.4459	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	CALCIUM (TOTAL)	80.8	J	17	622.293	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	CHROMIUM (TOTAL)	15.2		0.14	1.2446	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	COBALT (TOTAL)	3.5	J	0.21	6.2229	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YM	MPAD5-C	6/24/2004	SW6010B	COPPER (TOTAL)	4.7		0.32	3.1115	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	IRON (TOTAL)	15800		5.9	12.4459	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	LEAD (TOTAL)	10.4		0.18	0.3631	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	MAGNESIUM (TOTAL)	1410		17.5	622.293	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	MANGANESE (TOTAL)	58.1		0.062	1.8669	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	NICKEL (TOTAL)	7.2		0.2	4.9783	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	POTASSIUM (TOTAL)	430	J	24.5	622.293	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	SELENIUM (TOTAL)	0.7		0.4	0.6223	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	VANADIUM (TOTAL)	24.2		0.2	6.2229	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW6010B	ZINC (TOTAL)	17.5		0.22	2.4892	mg/Kg
SS102YM	MPAD5-C	6/24/2004	SW7471A	MERCURY (TOTAL)	0.036	J	0.021	0.0495	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	ALUMINUM (TOTAL)	13200		2.6	29.0276	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	ANTIMONY (TOTAL)	0.64	J	0.39	8.7083	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	ARSENIC (TOTAL)	5.1		0.38	1.4514	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	BARIUM (TOTAL)	18.7	J	0.17	29.0276	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.029	0.7257	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	BORON (TOTAL)	1.6	J	0.26	14.5138	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	CADMIUM (TOTAL)	0.15	J	0.043	0.7257	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	CALCIUM (TOTAL)	245	J	18.4	725.6894	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	CHROMIUM (TOTAL)	14.6		0.12	1.4514	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	COBALT (TOTAL)	2.2	J	0.16	7.2569	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	COPPER (TOTAL)	20.7		0.1	3.6284	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	IRON (TOTAL)	16400		2.8	14.5138	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	LEAD (TOTAL)	33.2		0.25	0.4354	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	MAGNESIUM (TOTAL)	900		13.1	725.6894	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	MANGANESE (TOTAL)	47.1		0.28	2.1771	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	MOLYBDENUM (TOTAL)	0.77	J	0.15	1.4514	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	NICKEL (TOTAL)	5.1	J	0.2	5.8055	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	POTASSIUM (TOTAL)	481	J	15.9	725.6894	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	SELENIUM (TOTAL)	0.75		0.52	0.7257	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	VANADIUM (TOTAL)	25.9		0.2	7.2569	mg/Kg
SSJ3MTP001	ECC051304J301 (post_c)	6/4/2004	SW6010B	ZINC (TOTAL)	16.3		0.22	2.9028	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	ALUMINUM	8450		2.6	30.0116	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	ANTIMONY	0.92	J	0.41	9.0035	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	ARSENIC	6.6		0.39	1.5006	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	BARIUM	34.4		0.18	30.0116	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	BERYLLIUM	0.24	J	0.03	0.7503	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	BORON	2.6	J	0.27	15.0058	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	CADMIUM	0.23	J	0.045	0.7503	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	CALCIUM	900		19	750.2889	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	CHROMIUM, TOTAL	11.8		0.12	1.5006	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	COBALT	2.1	J	0.17	7.5029	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	COPPER	11.8		0.1	3.7514	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	IRON	16500		2.9	15.0058	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	LEAD	106		0.26	0.4502	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	MAGNESIUM	791		13.6	750.2889	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	MANGANESE	66.5		0.29	2.2509	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	NICKEL	7.6		0.21	6.0023	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	POTASSIUM	567	J	16.4	750.2889	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	VANADIUM	40.7		0.21	7.5029	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW6010B	ZINC	23.3		0.23	3.0012	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW7471A	MERCURY	0.072		0.022	0.053	mg/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW8270C	BENZOIC ACID	200	J	189	1300	ug/Kg
SSJ3MTP001	ECC051304J301 (pre)	6/3/2004	SW8270C	PHENANTHRENE	56	J	40.5	510	ug/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	ALUMINUM (TOTAL)	6800		2.1	24.1782	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	ARSENIC (TOTAL)	3.2		0.31	1.2089	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	BARIUM (TOTAL)	13.5	J	0.15	24.1782	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.024	0.6045	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	BORON (TOTAL)	1.2	J	0.22	12.0891	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	CADMIUM (TOTAL)	0.17	J	0.036	0.6045	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	CALCIUM (TOTAL)	183	J	15.3	604.4561	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	CHROMIUM (TOTAL)	7.5		0.097	1.2089	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	COBALT (TOTAL)	1.8	J	0.13	6.0446	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	COPPER (TOTAL)	84.8		0.085	3.0223	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	IRON (TOTAL)	9380		2.3	12.0891	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	LEAD (TOTAL)	37.1		0.21	0.3627	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	MAGNESIUM (TOTAL)	686		10.9	604.4561	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	MANGANESE (TOTAL)	52.2		0.23	1.8134	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	NICKEL (TOTAL)	3.3	J	0.17	4.8356	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	POTASSIUM (TOTAL)	408	J	13.2	604.4561	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	SELENIUM (TOTAL)	0.46	J	0.44	0.6045	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	VANADIUM (TOTAL)	16		0.17	6.0446	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW6010B	ZINC (TOTAL)	19.2		0.18	2.4178	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW7471A	MERCURY (TOTAL)	0.03	J	0.017	0.0396	mg/Kg
SSJ3MTP002	ECC051304J302 (post_c)	6/4/2004	SW9012A	CYANIDE	1.8		0.61	0.61	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	ALUMINUM	8060		2.2	25.4712	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	ANTIMONY	0.43	J	0.34	7.6414	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	ARSENIC	3.8		0.33	1.2736	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	BARIUM	13.1	J	0.15	25.4712	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	BERYLLIUM	0.23	J	0.025	0.6368	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	BORON	1.6	J	0.23	12.7356	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	CADMIUM	0.19	J	0.038	0.6368	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	CALCIUM	209	J	16.1	636.7804	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	CHROMIUM, TOTAL	8.8		0.1	1.2736	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	COBALT	2	J	0.14	6.3678	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	COPPER	4.8		0.089	3.1839	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	IRON	10200		2.4	12.7356	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	LEAD	21.8		0.22	0.3821	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	MAGNESIUM	703		11.5	636.7804	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	MANGANESE	60.6		0.24	1.9103	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	NICKEL	3.6	J	0.18	5.0942	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	POTASSIUM	391	J	13.9	636.7804	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	VANADIUM	18		0.18	6.3678	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW6010B	ZINC	15.1		0.19	2.5471	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW7471A	MERCURY	0.042	J	0.022	0.053	mg/Kg
SSJ3MTP002	ECC051304J302 (pre)	6/3/2004	SW8270C	DI-N-BUTYL PHTHALATE	42	J	33.5	440	ug/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	ALUMINUM	9100		0.72	15.7619	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	ARSENIC	5.1		0.055	0.7881	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	BARIUM	14.4	J	0.1	15.7619	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	BERYLLIUM	0.048	J	0.0079	0.394	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	BORON	2.9	J	0.063	7.881	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	CADMIUM	0.55		0.0079	0.394	mg/Kg

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J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	CALCIUM	121	J	2	394.0483	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	CHROMIUM, TOTAL	12.7		0.0079	0.7881	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	COBALT	3.4	J	0.016	3.9405	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	COPPER	152		0.039	1.9702	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	IRON	12800		0.5	15.7619	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	LEAD	5.5		0.063	0.7881	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	MAGNESIUM	1700		1.1	394.0483	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	MANGANESE	92.9		0.0079	1.1821	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	MOLYBDENUM	0.51	J	0.016	0.7881	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	NICKEL	6.2		0.032	3.1524	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	POTASSIUM	632		3.3	394.0483	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	SODIUM	29	J	0.75	394.0483	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	VANADIUM	18.8		0.032	3.9405	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW6010B	ZINC	16.1		0.0079	1.5762	mg/Kg
SSJ3S001	ECC091707J3FLD01 (post)	10/4/2007	SW7471A	MERCURY	0.016	J	0.016	0.039	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	ALUMINUM	10900		0.72	15.7188	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	ARSENIC	4.4	J	0.055	0.7859	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	BARIUM	14.7	J	0.1	15.7188	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	BERYLLIUM	0.017	J	0.0079	0.393	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	BORON	3	J	0.063	7.8594	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	CALCIUM	118	J	2	392.9705	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	CHROMIUM, TOTAL	14		0.0079	0.7859	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	COBALT	3.3	J	0.016	3.9297	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	COPPER	4		0.039	1.9649	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	IRON	12000		0.5	15.7188	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	LEAD	6		0.063	0.7859	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	MAGNESIUM	1860		1.1	392.9705	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	MANGANESE	73.7		0.0079	1.1789	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	MOLYBDENUM	0.47	J	0.016	0.7859	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	NICKEL	6.9		0.031	3.1438	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	POTASSIUM	645		3.3	392.9705	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	SELENIUM	0.085	J	0.055	2.7508	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	SODIUM	27.3	J	0.75	392.9705	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	VANADIUM	19.7		0.031	3.9297	mg/Kg

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TABLE 4-4
J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW6010B	ZINC	17		0.0079	1.5719	mg/Kg
SSJ3S001	ECC091707J3FLD01 (pre)	10/3/2007	SW7471A	MERCURY	0.018	J	0.016	0.0394	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	ALUMINUM	7460		0.77	17.0187	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	ARSENIC	3.9		0.06	0.8509	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	BARIUM	12	J	0.11	17.0187	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	BERYLLIUM	0.013	J	0.0085	0.4255	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	BORON	1.8	J	0.068	8.5093	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	CALCIUM	233	J	2.2	425.4667	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	CHROMIUM, TOTAL	9.4		0.0085	0.8509	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	COBALT	1.2	J	0.017	4.2547	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	COPPER	128		0.043	2.1273	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	IRON	15700		0.54	17.0187	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	LEAD	55.8		0.068	0.8509	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	MAGNESIUM	630		1.2	425.4667	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	MANGANESE	60.4		0.0085	1.2764	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	MOLYBDENUM	0.59	J	0.017	0.8509	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	NICKEL	3.8		0.034	3.4037	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	POTASSIUM	325	J	3.5	425.4667	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	SELENIUM	0.99	J	0.06	2.9783	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	SODIUM	32.1	J	0.81	425.4667	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	VANADIUM	18.7		0.034	4.2547	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW6010B	ZINC	37.8		0.0085	1.7019	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW7471A	MERCURY	0.04	J	0.018	0.0428	mg/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW8270C	BENZO(a)PYRENE	20	J	18.2	370	ug/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW8270C	CHRYSENE	32	J	27.4	370	ug/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW8270C	DI-n-BUTYL PHTHALATE	36	J	21.7	370	ug/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW8270C	FLUORANTHENE	53	J	20.5	370	ug/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW8270C	NAPHTHALENE	52	J	28.5	370	ug/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW8270C	PHENANTHRENE	48	J	22.8	370	ug/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW8270C	PYRENE	58	J	26.2	370	ug/Kg
SSJ3S003	ECC091807J3FLD01 (post)	10/4/2007	SW8330	2,4-DINITROTOLUENE	180		1.3	13	ug/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	ALUMINUM	6900		0.82	17.9559	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	ARSENIC	4.6		0.063	0.8978	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	BARIUM	19		0.12	17.9559	mg/Kg

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J-3 Range Area 1
Melt/Pour, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	BORON	3	J	0.072	8.978	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	CALCIUM	192	J	2.3	448.8975	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	CHROMIUM, TOTAL	8.8		0.009	0.8978	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	COBALT	0.81	J	0.018	4.489	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	COPPER	5.7		0.045	2.2445	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	IRON	10100		0.57	17.9559	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	LEAD	39.6		0.072	0.8978	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	MAGNESIUM	643		1.2	448.8975	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	MANGANESE	29.5		0.009	1.3467	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	MOLYBDENUM	0.84	J	0.018	0.8978	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	NICKEL	4.5		0.036	3.5912	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	POTASSIUM	426	J	3.7	448.8975	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	SELENIUM	0.58	J	0.063	3.1423	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	SODIUM	41	J	0.85	448.8975	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	VANADIUM	32.9		0.036	4.489	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW6010B	ZINC	13		0.009	1.7956	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW7471A	MERCURY	0.077		0.018	0.0431	mg/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW8270C	BENZO(a)ANTHRACENE	39	J	22	400	ug/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW8270C	BENZO(a)PYRENE	45	J	19.5	400	ug/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW8270C	BENZO(b)FLUORANTHENE	52	J	41.5	400	ug/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW8270C	BENZO(g,h,i)PERYLENE	23	J	22	400	ug/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW8270C	BENZO(k)FLUORANTHENE	64	J	42.7	400	ug/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW8270C	BENZOIC ACID	500	J	403	1000	ug/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW8270C	CHRYSENE	73	J	29.3	400	ug/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW8270C	FLUORANTHENE	130	J	22	400	ug/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW8270C	PHENANTHRENE	140	J	24.4	400	ug/Kg
SSJ3S003	ECC091807J3FLD01 (pre)	10/3/2007	SW8270C	PYRENE	140	J	28.1	400	ug/Kg
SSJ3S002	SSJ3S002_PO	11/29/2012	SW6010C	Copper	5.1		0.10	1.2	MG/KG
SSJ3S002	SSJ3S002_PO	11/29/2012	SW6010C	Lead	12.0		0.21	0.47	MG/KG
SSJ3S002	SSJ3S002_POA	11/29/2012	SW6010C	Copper	4.8		0.11	1.2	MG/KG
SSJ3S002	SSJ3S002_POA	11/29/2012	SW6010C	Lead	9.9		0.21	0.49	MG/KG
SSJ3S002	SSJ3S002_POB	11/29/2012	SW6010C	Copper	5.5		0.10	1.2	MG/KG
SSJ3S002	SSJ3S002_POB	11/29/2012	SW6010C	Lead	10.4		0.21	0.47	MG/KG

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-3 Range Area 2
20mm/30mm Firing Range and Workshop Building, Burn Kettle/Conex Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Workshop Building and 20mm/30mm Firing Range	BH-40	BI298	9/18/2002	SB	4	5	YES	EXP, METALS, SVOC	ADWP2
J-3 Workshop Building and 20mm/30mm Firing Range	BH-40	BI299	9/18/2002	SB	9	10	YES	EXP, METALS, SVOC	ADWP2
J-3 Workshop Building and 20mm/30mm Firing Range	SS102C1	AQ223	5/7/2001	SD	0	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102C2	AQ224	5/7/2001	SD	0	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102C3	BD009	5/9/2002	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Workshop Building and 20mm/30mm Firing Range	SS102C3	BE264	5/24/2002	SD	0	0.25	YES	VOC	ADWP2
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DA	AL674	11/9/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DA	AL674	11/9/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DA	AL675	11/9/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DA	AL675	11/9/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DA	AL676	11/9/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DA	AL676	11/9/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DA	AT411	10/15/2001	SC	1.5	2	YES	EXP	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DB	AT412	10/15/2001	SC	0	0.25	YES	EXP	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DB	AT413	10/15/2001	SC	0.25	0.5	YES	EXP	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DB	AT414	10/15/2001	SC	0.5	1	YES	EXP	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DB	AT415	10/15/2001	SC	1.5	2	YES	EXP	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DC	AT416	10/16/2001	SC	0	0.25	YES	EXP	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DC	AT417	10/16/2001	SC	0.25	0.5	YES	EXP	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DC	AT418	10/16/2001	SC	0.5	1	YES	EXP	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102DC	AT419	10/16/2001	SC	1.5	2	YES	EXP	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL677	11/9/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL678	11/9/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL679	11/9/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL680	11/9/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL681	11/9/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL682	11/9/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL683	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL684	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL685	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL686	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL687	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL688	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL689	11/10/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL690	11/10/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL691	11/10/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL692	11/10/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EA	AL693	11/10/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL713	11/10/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL714	11/10/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL715	11/10/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL716	11/10/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL717	11/10/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL718	11/10/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP

ft bgs = feet, below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-5
J-3 Range Area 2
20mm/30mm Firing Range and Workshop Building, Burn Kettle/Conex Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL719	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL720	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL721	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL722	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL723	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL724	11/10/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL725	11/10/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL726	11/10/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL727	11/10/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL728	11/10/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AL729	11/10/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EB	AT420	10/16/2001	SC	1.5	2	YES	METALS	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL732	11/14/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL733	11/14/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL734	11/14/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL735	11/14/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL736	11/14/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL737	11/14/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL738	11/14/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL739	11/14/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL740	11/14/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL741	11/14/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL742	11/14/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL743	11/14/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL744	11/15/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL745	11/15/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL746	11/15/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL747	11/15/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EC	AL748	11/15/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS102ED	AT421	10/16/2001	SC	0	0.25	YES	EXP, METALS	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102ED	AT422	10/16/2001	SC	0.25	0.5	YES	EXP, METALS	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102ED	AT423	10/16/2001	SC	0.5	1	YES	METALS	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102ED	AT424	10/16/2001	SC	1.5	2	YES	METALS	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EE	AT425	10/16/2001	SC	0	0.25	YES	EXP, METALS	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EE	AT426	10/16/2001	SC	0.25	0.5	YES	EXP, METALS	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EE	AT427	10/16/2001	SC	0.5	1	YES	METALS	ADWP1
J-3 Workshop Building and 20mm/30mm Firing Range	SS102EE	AT428	10/16/2001	SC	1.5	2	YES	METALS	ADWP1
J-3 Burn Kettle/Conex Area	SS102VK	AX586	1/15/2002	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Burn Kettle/Conex Area	SS102VK	AX586	1/15/2002	SD	0	0.25	YES	VOC	Polygon
J-3 Burn Kettle/Conex Area	SS102VK	AX587	1/15/2002	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Burn Kettle/Conex Area	SS102VK	AX587	1/15/2002	SD	0.25	0.5	YES	VOC	Polygon
J-3 Burn Kettle/Conex Area	SS102VK	AX588	1/15/2002	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Burn Kettle/Conex Area	SS102VK	AX588	1/15/2002	SD	0.5	1	YES	VOC	Polygon
J-3 Burn Kettle/Conex Area	SS102VL	AX589	1/15/2002	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon

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SC = soil composite
SD = soil discrete

ft bgs = feet, below ground surface

TABLE 4-5
J-3 Range Area 2
20mm/30mm Firing Range and Workshop Building, Burn Kettle/Conex Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Burn Kettle/Conex Area	SS102VL	AX589	1/15/2002	SD	0	0.25	YES	VOC	Polygon
J-3 Burn Kettle/Conex Area	SS102VL	AX590	1/15/2002	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Burn Kettle/Conex Area	SS102VL	AX590	1/15/2002	SD	0.25	0.5	YES	VOC	Polygon
J-3 Burn Kettle/Conex Area	SS102VL	AX591	1/15/2002	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Burn Kettle/Conex Area	SS102VL	AX591	1/15/2002	SD	0.5	1	YES	VOC	Polygon
J-3 Burn Kettle/Conex Area	SS102W1	AQ226	5/18/2001	SD	0	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, TPH, VOC	JLWP
J-3 Burn Kettle/Conex Area	SS102W2	AQ227	5/18/2001	SD	0	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, TPH, VOC	JLWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS15014-A	102EB-01	10/17/2003	SC	0	0.25	YES	PERC	J3SWP
J-3 Workshop Building and 20mm/30mm Firing Range	SS15014-A	102EB-02	10/17/2003	SC	0.5	1	YES	PERC	J3SWP
J-3 Burn Kettle/Conex Area	SS15015-A	102HA-01	10/16/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	JLWP
J-3 Burn Kettle/Conex Area	SS15015-A	102HA-02	10/16/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	JLWP
J-3 Burn Kettle/Conex Area	SS15016-A	102HH-01	10/16/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15016-A	102HH-02	10/16/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15016-A	102HH-02FD	10/16/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15017-A	102HB-01	10/14/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15017-A	102HB-02	10/14/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15017-A	102HB-03	10/14/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15018-A	102HC-01	10/14/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15018-A	102HC-02	10/14/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15018-A	102HC-03	10/14/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15019-A	102HD-01	10/15/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15019-A	102HD-02	10/15/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15019-A	102HD-03	10/15/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15019-A	102UO-02	10/22/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15020-A	102HE-01	10/20/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15020-A	102HE-01	10/20/2003	SD	0	0.25	YES	VOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15020-A	102HE-02	10/20/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15020-A	102HE-03	10/20/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15020-A	102HE-03FD	10/20/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15021-A	102HF-01	10/20/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15021-A	102HF-01	10/20/2003	SD	0	0.25	YES	VOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15021-A	102HF-02	10/20/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15021-A	102HF-02	10/20/2003	SD	0.25	0.5	YES	VOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15021-A	102HF-03	10/20/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15115-A	102HI-01	11/5/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Burn Kettle/Conex Area	SS15115-A	102HI-02	11/5/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	J301_SS1	7/15/2008	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	J301_SS2	7/15/2008	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	J301_SS3	7/15/2008	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	J301_SS4	7/15/2008	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	J301_SS5	7/15/2008	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	J301_SS6	7/15/2008	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	J301_SS7	7/15/2008	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	J301_SS8	7/15/2008	BIP_SS	0	0.25	YES	METALS	BIP Plan

ft bgs = feet, below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-5
J-3 Range Area 2
20mm/30mm Firing Range and Workshop Building, Burn Kettle/Conex Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	SSJ301_PO	5/22/2008	BIP_POST	0	0.25	NO	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	SSJ301_PR	5/21/2008	BIP_PRE	0	0.25	NO	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Burn Kettle/Conex Area	SSJ302	SSJ302_PO	5/22/2008	BIP_POST	0	0.25	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Burn Kettle/Conex Area	SSJ302	SSJ302_PR	5/21/2008	BIP_PRE	0	0.25	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Burn Kettle/Conex Area	SSJ303	SSJ303_PO	5/22/2008	BIP_POST	0	0.25	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Burn Kettle/Conex Area	SSJ303	SSJ303_PR	5/21/2008	BIP_PRE	0	0.25	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	SSJ301_PO	11/29/2012	BIP_Post Ex	0	0.25	YES	Copper	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	SSJ301_POA	11/29/2012	BIP_Post Ex	0	0.25	YES	Copper	BIP Plan
J-3 Workshop Building and 20mm/30mm Firing Range	SSJ301	SSJ301_POB	11/29/2012	BIP_Post Ex	0	0.25	YES	Copper	BIP Plan

Notes:

JLWP = Final J-1, J-3 and L Range Workplan (Ogden, 2000)
ADWP1 = Final J-1, J-3 and L Ranges Additional Delineation Workplan No. 1 (AMEC, 2001a)
ADWP2 = Final J-1, J-3 and L Ranges Additional Delineation Workplan No. 2 (AMEC, 2002a)
Polygon = Munitions Survey Program (MSP) Phase 3, J-3 Range Site Wrok Plans [MSP3] (Tetra Tech, 2002a)
J3SWP = Final J-3 Range Supplemental Soil Work Plan (AMEC, 2004)
BIP Plan = Final BIP Sampling and Analysis Plan (AMEC, 2004)

ft bgs = feet, below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-40	BI298	9/18/2002	CL200.7	ALUMINUM (TOTAL)	3320		2.7	2.7	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	ARSENIC (TOTAL)	1.4		0.54	0.54	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	BARIUM (TOTAL)	3.5		1.5	1.5	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	BERYLLIUM (TOTAL)	0.13		0.03	0.03	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	BORON (TOTAL)	1.3	J	0.81	0.81	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	CALCIUM (TOTAL)	118		26	26	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	CHROMIUM (TOTAL)	3.8		0.5	0.77	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	COBALT (TOTAL)	0.93		0.37	0.37	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	COPPER (TOTAL)	9.2		0.3	0.3	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	IRON (TOTAL)	4890		3.8	3.8	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	LEAD (TOTAL)	11.2		0.18	0.18	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	MAGNESIUM (TOTAL)	300		36.6	36.6	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	MANGANESE (TOTAL)	24.4		0.42	0.42	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	MOLYBDENUM (TOTAL)	0.95		0.17	0.17	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	POTASSIUM (TOTAL)	151		46.2	46.2	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	SILVER (TOTAL)	38.8		0.24	0.24	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	VANADIUM (TOTAL)	6.8		0.47	0.47	mg/Kg
BH-40	BI298	9/18/2002	CL200.7	ZINC (TOTAL)	17.7		0.7	1.2	mg/Kg
BH-40	BI298	9/18/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	34	J	34	350	ug/Kg
BH-40	BI299	9/18/2002	CL200.7	ALUMINUM (TOTAL)	8100		2.9	2.9	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	ARSENIC (TOTAL)	2.3		0.58	0.58	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	BARIUM (TOTAL)	7.7		1.7	1.7	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	BERYLLIUM (TOTAL)	0.2		0.04	0.04	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	BORON (TOTAL)	2.5		0.87	0.87	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	CALCIUM (TOTAL)	250		28.2	28.2	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	CHROMIUM (TOTAL)	10		0.5	0.84	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	COBALT (TOTAL)	2.3		0.4	0.4	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	COPPER (TOTAL)	8.5		0.33	0.33	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	IRON (TOTAL)	8500		4.1	4.1	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	LEAD (TOTAL)	13.8		0.2	0.2	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	MAGNESIUM (TOTAL)	1000		39.6	39.6	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	MANGANESE (TOTAL)	45.9		0.45	0.45	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	MOLYBDENUM (TOTAL)	1.1		0.18	0.18	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	NICKEL (TOTAL)	4.7	J	1.1	2.5	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	POTASSIUM (TOTAL)	427		49.9	49.9	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-40	BI299	9/18/2002	CL200.7	SILVER (TOTAL)	59.8		0.25	0.25	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	VANADIUM (TOTAL)	13.4		0.51	0.51	mg/Kg
BH-40	BI299	9/18/2002	CL200.7	ZINC (TOTAL)	26.5		0.7	1.3	mg/Kg
BH-40	BI299	9/18/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	120	J	51.1	360	ug/Kg
SS102C1	AQ223	5/7/2001	CL200.7	ALUMINUM (TOTAL)	7130		5.3	9.29	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	ANTIMONY (TOTAL)	1.5		0.689	0.689	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	ARSENIC (TOTAL)	2.5		0.9	0.911	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	BARIUM (TOTAL)	14.9		0.8	0.8	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0222	0.0222	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	BORON (TOTAL)	2.3	J	1.2	1.8	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	CADMIUM (TOTAL)	1.3		0.0445	0.0445	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	CALCIUM (TOTAL)	465		98	160	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	CHROMIUM (TOTAL)	15.4		0.2	0.311	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	COBALT (TOTAL)	2.7		0.267	0.267	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	COPPER (TOTAL)	79.8		0.556	0.556	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	IRON (TOTAL)	10800		3.5	8.25	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	LEAD (TOTAL)	184		0.2	0.289	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	1230		82.5	148	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	MANGANESE (TOTAL)	68.4		0.0667	0.0667	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	MOLYBDENUM (TOTAL)	17.1		0.267	0.267	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	NICKEL (TOTAL)	10		0.289	0.289	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	POTASSIUM (TOTAL)	568		79.8	79.8	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	SILVER (TOTAL)	96.2		0.3	0.534	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	VANADIUM (TOTAL)	17		0.311	0.311	mg/Kg
SS102C1	AQ223	5/7/2001	CL200.7	ZINC (TOTAL)	247		0.4	1.07	mg/Kg
SS102C1	AQ223	5/7/2001	CL245.5	MERCURY	0.07	J	0.0259	0.0532	mg/Kg
SS102C1	AQ223	5/7/2001	CPEST	ALPHA-CHLORDANE	2.5	J	0.285	2.1	ug/Kg
SS102C1	AQ223	5/7/2001	CPEST	ENDRIN	26	J	0.56	4	ug/Kg
SS102C1	AQ223	5/7/2001	CPEST	GAMMA-CHLORDANE	2.8	J	0.297	2.1	ug/Kg
SS102C1	AQ223	5/7/2001	CPEST	P,P'-DDD	3.3	J	0.534	4	ug/Kg
SS102C1	AQ223	5/7/2001	CPEST	P,P'-DDT	16	J	1.63	4	ug/Kg
SS102C1	AQ223	5/7/2001	CPEST	PCB-1260 (AROCHLOR 1260)	23	J	3.02	40	ug/Kg
SS102C1	AQ223	5/7/2001	CVOL	ACETONE	20	J	4.04	13	ug/Kg
SS102C1	AQ223	5/7/2001	CVOL	BROMOFORM	1	J	1	13	ug/Kg
SS102C1	AQ223	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	13	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102C1	AQ223	5/7/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	1.5	2.83	mg/Kg
SS102C1	AQ223	5/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.21	J	0.0043	0.01	mg/Kg
SS102C1	AQ223	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	210		1	2	mg/Kg
SS102C1	AQ223	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	7720		0	0	mg/Kg
SS102C1	AQ223	5/7/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	60	J	60	400	ug/Kg
SS102C1	AQ223	5/7/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1300		22	120	ug/Kg
SS102C2	AQ224	5/7/2001	CL200.7	ALUMINUM (TOTAL)	3690		5.3	8.41	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	ANTIMONY (TOTAL)	0.72	J	0.624	0.624	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	ARSENIC (TOTAL)	2.1		0.825	0.825	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	BARIUM (TOTAL)	6.3		0.724	0.724	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0201	0.0201	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.27		0.0402	0.0402	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	CHROMIUM (TOTAL)	6.8		0.2	0.282	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	COBALT (TOTAL)	2.1		0.241	0.241	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	COPPER (TOTAL)	5.9		0.503	0.503	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	IRON (TOTAL)	6350		3.5	7.46	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	LEAD (TOTAL)	97		0.2	0.262	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	692		82.5	134	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	MANGANESE (TOTAL)	85.4		0.0603	0.0603	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	NICKEL (TOTAL)	5		0.262	0.262	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	SILVER (TOTAL)	2.7		0.3	0.483	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	VANADIUM (TOTAL)	9.4		0.282	0.282	mg/Kg
SS102C2	AQ224	5/7/2001	CL200.7	ZINC (TOTAL)	66.5		0.4	0.966	mg/Kg
SS102C2	AQ224	5/7/2001	CVOL	ACETONE	23	J	4.04	10	ug/Kg
SS102C2	AQ224	5/7/2001	CVOL	BROMOFORM	2	J	1.15	10	ug/Kg
SS102C2	AQ224	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	10	ug/Kg
SS102C2	AQ224	5/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.43	J	0.0043	0.01	mg/Kg
SS102C2	AQ224	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	76.2		1	2.03	mg/Kg
SS102C2	AQ224	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	5230		0	0	mg/Kg
SS102C2	AQ224	5/7/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	130	J	117	350	ug/Kg
SS102C3	BD009	5/9/2002	CL200.7	ALUMINUM (TOTAL)	25700		6	7.6	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	ANTIMONY (TOTAL)	2	J	1.3	1.7	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	ARSENIC (TOTAL)	9		0.9	1.1	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	BARIUM (TOTAL)	38		1.5	1.5	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	BERYLLIUM (TOTAL)	0.81		0.04	0.04	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102C3	BD009	5/9/2002	CL200.7	CADMIUM (TOTAL)	0.32	J	0.1	0.21	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	CALCIUM (TOTAL)	377		53.5	53.5	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	CHROMIUM (TOTAL)	34.2		0.5	0.5	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	COBALT (TOTAL)	9.7		1.2	1.2	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	COPPER (TOTAL)	20.2		0.58	0.58	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	IRON (TOTAL)	27000		9.1	13.3	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	LEAD (TOTAL)	15.3		0.3	0.33	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	MAGNESIUM (TOTAL)	4170		55.1	55.1	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	MANGANESE (TOTAL)	175		0.33	0.33	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	MOLYBDENUM (TOTAL)	0.76	J	0.4	0.67	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	NICKEL (TOTAL)	16.8		1	1	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	POTASSIUM (TOTAL)	2020		51.8	51.8	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	SELENIUM (TOTAL)	0.87	J	0.84	0.84	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	VANADIUM (TOTAL)	43.4		0.84	0.84	mg/Kg
SS102C3	BD009	5/9/2002	CL200.7	ZINC (TOTAL)	46.1		0.38	0.38	mg/Kg
SS102C3	BD009	5/9/2002	CL245.5	MERCURY	0.95		0.0258	0.075	mg/Kg
SS102C3	BD009	5/9/2002	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2.1	J	0.589	3.5	ug/Kg
SS102C3	BD009	5/9/2002	CPEST	P,P'-DDE	7.8	J	0.925	6.9	ug/Kg
SS102C3	BD009	5/9/2002	CVOL	1,1-DICHLOROETHENE	15	J	2.34	26	ug/Kg
SS102C3	BD009	5/9/2002	CVOL	ACETONE	1100	J	3.81	26	ug/Kg
SS102C3	BD009	5/9/2002	CVOL	BROMOMETHANE	5	J	4.45	26	ug/Kg
SS102C3	BD009	5/9/2002	CVOL	CARBON DISULFIDE	44	J	2.34	26	ug/Kg
SS102C3	BD009	5/9/2002	CVOL	CHLOROMETHANE	11	J	3.13	26	ug/Kg
SS102C3	BD009	5/9/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	300	J	3.6	26	ug/Kg
SS102C3	BD009	5/9/2002	CVOL	TOLUENE	160	J	2.37	26	ug/Kg
SS102C3	BD009	5/9/2002	CVOL	TOTAL 1,2-DICHLOROETHENE	1000	J	2.3	26	ug/Kg
SS102C3	BD009	5/9/2002	CVOL	VINYL CHLORIDE	6	J	2.48	26	ug/Kg
SS102C3	BD009	5/9/2002	E350.2	NITROGEN, AMMONIA (AS N)	406		0.022	4.3	mg/Kg
SS102C3	BD009	5/9/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.023		0.0088	0.01	mg/Kg
SS102C3	BD009	5/9/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	764		0.006	3.3	mg/Kg
SS102C3	BD009	5/9/2002	LYDKHN	TOTAL ORGANIC CARBON	63100		0	0	mg/Kg
SS102C3	BE264	5/24/2002	CVOL	TOTAL 1,2-DICHLOROETHENE	2300	J	2.3	3300	ug/Kg
SS102DA	AL674	11/9/2000	CL200.7	ALUMINUM (TOTAL)	5170		2.5	2.72	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	ARSENIC (TOTAL)	1.5	J	0.75	0.92	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	BARIUM (TOTAL)	6.5		0.898	0.898	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102DA	AL674	11/9/2000	CL200.7	BERYLLIUM (TOTAL)	0.21		0.0219	0.0219	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	CALCIUM (TOTAL)	52.2	J	29	37.4	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	CHROMIUM (TOTAL)	4.8		0.14	0.241	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	COBALT (TOTAL)	0.88		0.26	0.351	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	COPPER (TOTAL)	3.9		0.34	0.394	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	IRON (TOTAL)	7090		4.21	4.64	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	LEAD (TOTAL)	8.4		0.32	0.394	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	MAGNESIUM (TOTAL)	259		28.1	45.5	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	MANGANESE (TOTAL)	38.6		0.08	0.0876	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	NICKEL (TOTAL)	0.57	J	0.3	0.46	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	VANADIUM (TOTAL)	9		0.36	0.438	mg/Kg
SS102DA	AL674	11/9/2000	CL200.7	ZINC (TOTAL)	16.2		0.29	0.767	mg/Kg
SS102DA	AL674	11/9/2000	CVOL	ACETONE	160	J	4.34	7	ug/Kg
SS102DA	AL674	11/9/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	1.8	7	ug/Kg
SS102DA	AL674	11/9/2000	CVOL	TOLUENE	2	J	0.32	7	ug/Kg
SS102DA	AL674	11/9/2000	E350.2	NITROGEN, AMMONIA (AS N)	10.1	J	0.02	0.02	mg/Kg
SS102DA	AL674	11/9/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	166	J	0.01	0.01	mg/Kg
SS102DA	AL674	11/9/2000	LYDKHN	TOTAL ORGANIC CARBON	7220		0	0	mg/Kg
SS102DA	AL674	11/9/2000	SW8270	2,4-DINITROTOLUENE	470		30.7	360	ug/Kg
SS102DA	AL674	11/9/2000	SW8270	2-NITRODIPHENYLAMINE	170	J	66.2	360	ug/Kg
SS102DA	AL674	11/9/2000	SW8270	DI-N-BUTYL PHTHALATE	4000		88.6	810	ug/Kg
SS102DA	AL674	11/9/2000	SW8270	N-NITROSODIPHENYLAMINE	1200		74.5	360	ug/Kg
SS102DA	AL674	11/9/2000	SW8330	2,4-DINITROTOLUENE	620		24	120	ug/Kg
SS102DA	AL674	11/9/2000	SW8330	NITROGLYCERIN	11000	J	930	2500	ug/Kg
SS102DA	AL675	11/9/2000	CL200.7	ALUMINUM (TOTAL)	7500		2.5	2.63	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.75	0.893	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	BARIUM (TOTAL)	8.8		0.871	0.871	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	BERYLLIUM (TOTAL)	0.19		0.0212	0.0212	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	CALCIUM (TOTAL)	55.4	J	29	36.3	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	CHROMIUM (TOTAL)	6.5		0.14	0.234	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	COBALT (TOTAL)	1.3		0.26	0.34	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	COPPER (TOTAL)	2.1		0.34	0.383	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	IRON (TOTAL)	7680		4.21	4.5	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	LEAD (TOTAL)	5.5		0.32	0.383	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	MAGNESIUM (TOTAL)	359		28.1	44.2	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102DA	AL675	11/9/2000	CL200.7	MANGANESE (TOTAL)	28.6		0.08	0.085	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	MOLYBDENUM (TOTAL)	0.68	J	0.49	0.659	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	NICKEL (TOTAL)	1.5	J	0.3	0.446	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	VANADIUM (TOTAL)	12.5		0.36	0.425	mg/Kg
SS102DA	AL675	11/9/2000	CL200.7	ZINC (TOTAL)	18.1		0.29	0.744	mg/Kg
SS102DA	AL675	11/9/2000	CVOL	ACETONE	250	J	4.34	8	ug/Kg
SS102DA	AL675	11/9/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	15	J	1.8	8	ug/Kg
SS102DA	AL675	11/9/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg
SS102DA	AL675	11/9/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.6	J	0.02	0.02	mg/Kg
SS102DA	AL675	11/9/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg
SS102DA	AL675	11/9/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	153	J	0.01	0.01	mg/Kg
SS102DA	AL675	11/9/2000	LYDKHN	TOTAL ORGANIC CARBON	8390		0	0	mg/Kg
SS102DA	AL675	11/9/2000	SW8270	DI-N-BUTYL PHTHALATE	110	J	88.6	360	ug/Kg
SS102DA	AL675	11/9/2000	SW8270	N-NITROSODIPHENYLAMINE	140	J	74.5	360	ug/Kg
SS102DA	AL676	11/9/2000	CL200.7	ALUMINUM (TOTAL)	5950		2.5	2.51	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	ARSENIC (TOTAL)	1.3	J	0.75	0.849	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	BARIUM (TOTAL)	8.3		0.829	0.829	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0202	0.0202	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	CALCIUM (TOTAL)	67.9	J	29	34.5	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	CHROMIUM (TOTAL)	5.5		0.14	0.222	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	COBALT (TOTAL)	1.6		0.26	0.323	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	COPPER (TOTAL)	2.6		0.34	0.364	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	IRON (TOTAL)	6700		4.21	4.28	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	LEAD (TOTAL)	5		0.32	0.364	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	MAGNESIUM (TOTAL)	594		28.1	42	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	MANGANESE (TOTAL)	73.8		0.08	0.0808	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	NICKEL (TOTAL)	1.3	J	0.3	0.424	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	SELENIUM (TOTAL)	0.94	J	0.61	0.748	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	VANADIUM (TOTAL)	9.8		0.36	0.404	mg/Kg
SS102DA	AL676	11/9/2000	CL200.7	ZINC (TOTAL)	19.2		0.29	0.707	mg/Kg
SS102DA	AL676	11/9/2000	CVOL	ACETONE	120	J	4.34	8	ug/Kg
SS102DA	AL676	11/9/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	8	ug/Kg
SS102DA	AL676	11/9/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg
SS102DA	AL676	11/9/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	0.02	0.02	mg/Kg
SS102DA	AL676	11/9/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.13	J	0.01	0.01	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102DA	AL676	11/9/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	121	J	0.01	0.01	mg/Kg
SS102DA	AL676	11/9/2000	LYDKHN	TOTAL ORGANIC CARBON	3810		0	0	mg/Kg
SS102DA	AL676	11/9/2000	SW8270	DI-N-BUTYL PHTHALATE	370		88.6	350	ug/Kg
SS102DA	AL676	11/9/2000	SW8270	N-NITROSODIPHENYLAMINE	110	J	74.5	350	ug/Kg
SS102DA	AL676	11/9/2000	SW8330	2,4-DINITROTOLUENE	130	J	24	120	ug/Kg
SS102EA	AL677	11/9/2000	CL200.7	ALUMINUM (TOTAL)	4210		2.17	2.17	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	ARSENIC (TOTAL)	1.7	J	0.736	0.736	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	BARIUM (TOTAL)	6.5		0.719	0.719	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.0175	0.0175	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	CALCIUM (TOTAL)	173		29	29.9	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	CHROMIUM (TOTAL)	5.2		0.14	0.193	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	COBALT (TOTAL)	1.7		0.26	0.281	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	COPPER (TOTAL)	4.4		0.316	0.316	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	IRON (TOTAL)	5720		3.72	3.72	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	LEAD (TOTAL)	5.1		0.316	0.316	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	MAGNESIUM (TOTAL)	675		28.1	36.5	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	MANGANESE (TOTAL)	35.6		0.0701	0.0701	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	NICKEL (TOTAL)	2.5	J	0.3	0.368	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	POTASSIUM (TOTAL)	350		31.9	31.9	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	VANADIUM (TOTAL)	8.9		0.351	0.351	mg/Kg
SS102EA	AL677	11/9/2000	CL200.7	ZINC (TOTAL)	11.3		0.29	0.614	mg/Kg
SS102EA	AL677	11/9/2000	CPEST	ENDRIN KETONE	12	NJ	0.18	3.5	ug/Kg
SS102EA	AL677	11/9/2000	CVOL	ACETONE	430	J	4.34	7	ug/Kg
SS102EA	AL677	11/9/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	30	J	1.8	7	ug/Kg
SS102EA	AL677	11/9/2000	CVOL	TOLUENE	3	J	0.32	7	ug/Kg
SS102EA	AL677	11/9/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.4	J	0.02	0.02	mg/Kg
SS102EA	AL677	11/9/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg
SS102EA	AL677	11/9/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	95.4	J	0.01	0.01	mg/Kg
SS102EA	AL677	11/9/2000	LYDKHN	TOTAL ORGANIC CARBON	7270		0	0	mg/Kg
SS102EA	AL677	11/9/2000	SW8151A	ACIFLUORFEN	6.9	NJ	1.4	5.2	ug/Kg
SS102EA	AL678	11/9/2000	CL200.7	ALUMINUM (TOTAL)	6360		2.19	2.19	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	ARSENIC (TOTAL)	2.6		0.74	0.74	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	BARIUM (TOTAL)	8.6		0.723	0.723	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0176	0.0176	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	CALCIUM (TOTAL)	145		29	30.1	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL678	11/9/2000	CL200.7	CHROMIUM (TOTAL)	7.6		0.14	0.194	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	COBALT (TOTAL)	2.2		0.26	0.282	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	COPPER (TOTAL)	4.5		0.317	0.317	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	IRON (TOTAL)	7210		3.74	3.74	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	LEAD (TOTAL)	6		0.317	0.317	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	MAGNESIUM (TOTAL)	1110		28.1	36.6	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	MANGANESE (TOTAL)	56.4		0.0705	0.0705	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	NICKEL (TOTAL)	3.4	J	0.3	0.37	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	POTASSIUM (TOTAL)	470		32	32	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	THALLIUM (TOTAL)	0.85	J	0.64	0.793	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	VANADIUM (TOTAL)	12.1		0.352	0.352	mg/Kg
SS102EA	AL678	11/9/2000	CL200.7	ZINC (TOTAL)	12.3		0.29	0.617	mg/Kg
SS102EA	AL678	11/9/2000	CPEST	P,P'-DDD	3.8		0.25	3.6	ug/Kg
SS102EA	AL678	11/9/2000	CVOL	ACETONE	350	J	4.34	8	ug/Kg
SS102EA	AL678	11/9/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	15	J	1.8	8	ug/Kg
SS102EA	AL678	11/9/2000	CVOL	TOLUENE	3	J	0.32	8	ug/Kg
SS102EA	AL678	11/9/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.8	J	0.02	0.02	mg/Kg
SS102EA	AL678	11/9/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg
SS102EA	AL678	11/9/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.9	J	0.01	0.01	mg/Kg
SS102EA	AL678	11/9/2000	LYDKHN	TOTAL ORGANIC CARBON	6320		0	0	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	ALUMINUM (TOTAL)	6600		2.46	2.46	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	ARSENIC (TOTAL)	2.1		0.75	0.833	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	BARIUM (TOTAL)	10.2		0.813	0.813	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0198	0.0198	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	CALCIUM (TOTAL)	109		29	33.8	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	CHROMIUM (TOTAL)	7.8		0.14	0.218	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	COBALT (TOTAL)	2.2		0.26	0.317	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	COPPER (TOTAL)	5		0.34	0.357	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	IRON (TOTAL)	7530		4.2	4.2	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	LEAD (TOTAL)	6.8		0.32	0.357	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	MAGNESIUM (TOTAL)	1020		28.1	41.2	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	MANGANESE (TOTAL)	51.7		0.0793	0.0793	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	NICKEL (TOTAL)	3.7	J	0.3	0.416	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	POTASSIUM (TOTAL)	487		36	36	mg/Kg
SS102EA	AL679	11/9/2000	CL200.7	VANADIUM (TOTAL)	12.9		0.36	0.396	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL679	11/9/2000	CL200.7	ZINC (TOTAL)	12.8		0.29	0.694	mg/Kg
SS102EA	AL679	11/9/2000	CVOL	ACETONE	280	J	4.34	8	ug/Kg
SS102EA	AL679	11/9/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	1.8	8	ug/Kg
SS102EA	AL679	11/9/2000	CVOL	TOLUENE	3	J	0.32	8	ug/Kg
SS102EA	AL679	11/9/2000	E350.2	NITROGEN, AMMONIA (AS N)	10	J	0.02	0.02	mg/Kg
SS102EA	AL679	11/9/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg
SS102EA	AL679	11/9/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	85.1	J	0.01	0.01	mg/Kg
SS102EA	AL679	11/9/2000	LYDKHN	TOTAL ORGANIC CARBON	4490		0	0	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	ALUMINUM (TOTAL)	5420		1.99	1.99	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.673	0.673	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	BARIUM (TOTAL)	9.1		0.657	0.657	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.016	0.016	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	CALCIUM (TOTAL)	219		27.3	27.3	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	CHROMIUM (TOTAL)	7.4		0.14	0.176	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	COBALT (TOTAL)	2.3		0.256	0.256	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	COPPER (TOTAL)	5.7		0.288	0.288	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	IRON (TOTAL)	7430		3.4	3.4	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	LEAD (TOTAL)	6.7		0.288	0.288	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	MAGNESIUM (TOTAL)	1080		28.1	33.3	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	MANGANESE (TOTAL)	69.6		0.0641	0.0641	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	MOLYBDENUM (TOTAL)	0.57	J	0.49	0.496	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	NICKEL (TOTAL)	3	J	0.3	0.336	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	POTASSIUM (TOTAL)	481		29.1	29.1	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	VANADIUM (TOTAL)	13.1		0.32	0.32	mg/Kg
SS102EA	AL680	11/9/2000	CL200.7	ZINC (TOTAL)	12.8		0.29	0.561	mg/Kg
SS102EA	AL680	11/9/2000	CVOL	ACETONE	280	J	4.34	8	ug/Kg
SS102EA	AL680	11/9/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	1.8	8	ug/Kg
SS102EA	AL680	11/9/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg
SS102EA	AL680	11/9/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	0.02	0.02	mg/Kg
SS102EA	AL680	11/9/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	18.6	J	0.01	0.01	mg/Kg
SS102EA	AL680	11/9/2000	LYDKHN	TOTAL ORGANIC CARBON	6050		0	0	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	ALUMINUM (TOTAL)	4950		2.06	2.06	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	ARSENIC (TOTAL)	2		0.697	0.697	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	BARIUM (TOTAL)	7.9		0.681	0.681	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0166	0.0166	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL681	11/9/2000	CL200.7	CALCIUM (TOTAL)	82.6		28.3	28.3	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	CHROMIUM (TOTAL)	6		0.14	0.183	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	COBALT (TOTAL)	2		0.26	0.266	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	COPPER (TOTAL)	3.6		0.299	0.299	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	IRON (TOTAL)	6150		3.52	3.52	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	LEAD (TOTAL)	4.5		0.299	0.299	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	MAGNESIUM (TOTAL)	793		28.1	34.5	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	MANGANESE (TOTAL)	37.1		0.0664	0.0664	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	NICKEL (TOTAL)	2.3	J	0.3	0.349	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	POTASSIUM (TOTAL)	437		30.2	30.2	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	VANADIUM (TOTAL)	10.6		0.332	0.332	mg/Kg
SS102EA	AL681	11/9/2000	CL200.7	ZINC (TOTAL)	11.3		0.29	0.581	mg/Kg
SS102EA	AL681	11/9/2000	CVOL	ACETONE	150	J	4.34	9	ug/Kg
SS102EA	AL681	11/9/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	9	ug/Kg
SS102EA	AL681	11/9/2000	CVOL	TOLUENE	2	J	0.32	9	ug/Kg
SS102EA	AL681	11/9/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	0.02	0.02	mg/Kg
SS102EA	AL681	11/9/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg
SS102EA	AL681	11/9/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	94.9	J	0.01	0.01	mg/Kg
SS102EA	AL681	11/9/2000	LYDKHN	TOTAL ORGANIC CARBON	3980		0	0	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	ALUMINUM (TOTAL)	3580		2.49	2.49	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.75	0.844	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	BARIUM (TOTAL)	7.9		0.824	0.824	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.0201	0.0201	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	CALCIUM (TOTAL)	284		29	34.3	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	CHROMIUM (TOTAL)	4.7		0.14	0.221	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	COBALT (TOTAL)	2.3		0.26	0.322	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	COPPER (TOTAL)	4.2		0.34	0.362	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	IRON (TOTAL)	5820		4.21	4.26	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	LEAD (TOTAL)	5.1		0.32	0.362	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	MAGNESIUM (TOTAL)	976		28.1	41.8	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	MANGANESE (TOTAL)	80.2		0.08	0.0804	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	NICKEL (TOTAL)	2.1	J	0.3	0.422	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	POTASSIUM (TOTAL)	450		36.5	36.5	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	VANADIUM (TOTAL)	7.3		0.36	0.402	mg/Kg
SS102EA	AL682	11/9/2000	CL200.7	ZINC (TOTAL)	13.2		0.29	0.703	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL682	11/9/2000	CVOL	ACETONE	66	J	4.34	7	ug/Kg
SS102EA	AL682	11/9/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	7	ug/Kg
SS102EA	AL682	11/9/2000	CVOL	TOLUENE	2	J	0.32	7	ug/Kg
SS102EA	AL682	11/9/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.6	J	0.02	0.02	mg/Kg
SS102EA	AL682	11/9/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg
SS102EA	AL682	11/9/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	91.3	J	0.01	0.01	mg/Kg
SS102EA	AL682	11/9/2000	LYDKHN	TOTAL ORGANIC CARBON	3830		0	0	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	ALUMINUM (TOTAL)	4770		2.5	3.91	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	BARIUM (TOTAL)	8.3		1.18	1.63	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.18	J	0.03	0.0419	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	BORON (TOTAL)	7.3		0.377	0.377	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.64		0.07	0.126	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	CALCIUM (TOTAL)	184		29	29.5	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	CHROMIUM (TOTAL)	6.4		0.105	0.105	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	COBALT (TOTAL)	2.2		0.26	0.377	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	COPPER (TOTAL)	5.5		0.272	0.272	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	IRON (TOTAL)	6170		4.21	5.23	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	LEAD (TOTAL)	5.2		0.32	0.335	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	706		26.5	26.5	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	MANGANESE (TOTAL)	37		0.08	0.147	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	NICKEL (TOTAL)	4.5		0.3	0.356	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	VANADIUM (TOTAL)	11.8		0.356	0.356	mg/Kg
SS102EA	AL683	11/10/2000	CL200.7	ZINC (TOTAL)	10.3		0.29	0.293	mg/Kg
SS102EA	AL683	11/10/2000	CVOL	ACETONE	68	J	4.34	6	ug/Kg
SS102EA	AL683	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	6	ug/Kg
SS102EA	AL683	11/10/2000	CVOL	TOLUENE	0.6	J	0.32	6	ug/Kg
SS102EA	AL683	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	0.02	0.02	mg/Kg
SS102EA	AL683	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.18	J	0.01	0.01	mg/Kg
SS102EA	AL683	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.6	J	0.01	0.01	mg/Kg
SS102EA	AL683	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	7690		0	0	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	ALUMINUM (TOTAL)	4300		2.5	3.45	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	BARIUM (TOTAL)	6.4		1.18	1.44	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.11	J	0.03	0.0369	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	BORON (TOTAL)	5.8		0.332	0.332	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.33		0.07	0.111	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL684	11/10/2000	CL200.7	CALCIUM (TOTAL)	63.2		26	26	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	CHROMIUM (TOTAL)	5.5		0.0922	0.0922	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	COBALT (TOTAL)	1.9		0.26	0.332	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	COPPER (TOTAL)	6.4		0.24	0.24	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	IRON (TOTAL)	4930		4.21	4.61	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	LEAD (TOTAL)	3.9		0.295	0.295	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	550		23.4	23.4	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	MANGANESE (TOTAL)	27.3		0.08	0.129	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	NICKEL (TOTAL)	3.5		0.3	0.314	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	VANADIUM (TOTAL)	9.3		0.314	0.314	mg/Kg
SS102EA	AL684	11/10/2000	CL200.7	ZINC (TOTAL)	8.6		0.258	0.258	mg/Kg
SS102EA	AL684	11/10/2000	CVOL	ACETONE	71	J	4.34	6	ug/Kg
SS102EA	AL684	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	6	ug/Kg
SS102EA	AL684	11/10/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg
SS102EA	AL684	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.15	J	0.01	0.01	mg/Kg
SS102EA	AL684	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	104	J	0.01	0.01	mg/Kg
SS102EA	AL684	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	8820		0	0	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	ALUMINUM (TOTAL)	5640		2.5	3.79	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	ARSENIC (TOTAL)	3.5		0.506	0.506	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	BARIUM (TOTAL)	8.8		1.18	1.58	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.15	J	0.03	0.0405	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	BORON (TOTAL)	7.9		0.364	0.364	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.24		0.07	0.122	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	CALCIUM (TOTAL)	118		28.5	28.5	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	CHROMIUM (TOTAL)	7.8		0.101	0.101	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	COBALT (TOTAL)	2.6		0.26	0.364	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	COPPER (TOTAL)	9		0.263	0.263	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	IRON (TOTAL)	6570		4.21	5.06	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	LEAD (TOTAL)	9		0.32	0.324	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	921		25.7	25.7	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	MANGANESE (TOTAL)	53.1		0.08	0.142	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	NICKEL (TOTAL)	5.7		0.3	0.344	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	VANADIUM (TOTAL)	11.9		0.344	0.344	mg/Kg
SS102EA	AL685	11/10/2000	CL200.7	ZINC (TOTAL)	12		0.283	0.283	mg/Kg
SS102EA	AL685	11/10/2000	CVOL	ACETONE	79	J	4.34	6	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL685	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	6	ug/Kg
SS102EA	AL685	11/10/2000	CVOL	TOLUENE	0.6	J	0.32	6	ug/Kg
SS102EA	AL685	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	0.02	0.02	mg/Kg
SS102EA	AL685	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg
SS102EA	AL685	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	71.9	J	0.01	0.01	mg/Kg
SS102EA	AL685	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	6620		0	0	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	ALUMINUM (TOTAL)	6220		2.5	3.65	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	BARIUM (TOTAL)	10		1.18	1.52	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.22	J	0.03	0.039	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	BORON (TOTAL)	8.3		0.351	0.351	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.24		0.07	0.117	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	CALCIUM (TOTAL)	75.1		27.5	27.5	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	CHROMIUM (TOTAL)	8.7		0.0976	0.0976	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	COBALT (TOTAL)	2.3		0.26	0.351	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	COPPER (TOTAL)	5.8		0.254	0.254	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	IRON (TOTAL)	6810		4.21	4.88	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	LEAD (TOTAL)	14.1		0.312	0.312	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	904		24.8	24.8	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	MANGANESE (TOTAL)	44.4		0.08	0.137	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	NICKEL (TOTAL)	4.4		0.3	0.332	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	VANADIUM (TOTAL)	12.9		0.332	0.332	mg/Kg
SS102EA	AL686	11/10/2000	CL200.7	ZINC (TOTAL)	12.7		0.273	0.273	mg/Kg
SS102EA	AL686	11/10/2000	CVOL	ACETONE	44	J	4.34	6	ug/Kg
SS102EA	AL686	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102EA	AL686	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	0.02	0.02	mg/Kg
SS102EA	AL686	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg
SS102EA	AL686	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	94.6	J	0.01	0.01	mg/Kg
SS102EA	AL686	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	6800		0	0	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	ALUMINUM (TOTAL)	5100		2.5	3.41	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	BARIUM (TOTAL)	8.2		1.18	1.42	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.23	J	0.03	0.0364	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	BORON (TOTAL)	7.9		0.328	0.328	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.12	J	0.07	0.109	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	CALCIUM (TOTAL)	83.6		25.7	25.7	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	CHROMIUM (TOTAL)	7.1		0.0911	0.0911	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL687	11/10/2000	CL200.7	COBALT (TOTAL)	2.4		0.26	0.328	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	COPPER (TOTAL)	4.9		0.237	0.237	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	IRON (TOTAL)	6620		4.21	4.56	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	LEAD (TOTAL)	4.4		0.292	0.292	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	949		23.1	23.1	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	MANGANESE (TOTAL)	40.7		0.08	0.128	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	NICKEL (TOTAL)	3.7		0.3	0.31	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	VANADIUM (TOTAL)	12.5		0.31	0.31	mg/Kg
SS102EA	AL687	11/10/2000	CL200.7	ZINC (TOTAL)	11.1		0.255	0.255	mg/Kg
SS102EA	AL687	11/10/2000	CVOL	ACETONE	35	J	4.34	6	ug/Kg
SS102EA	AL687	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102EA	AL687	11/10/2000	CVOL	TOLUENE	0.8	J	0.32	6	ug/Kg
SS102EA	AL687	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.5	J	0.02	0.02	mg/Kg
SS102EA	AL687	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109	J	0.01	0.01	mg/Kg
SS102EA	AL687	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	4220	J	0	0	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	ALUMINUM (TOTAL)	4420		2.5	3.57	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	ARSENIC (TOTAL)	3.6		0.478	0.478	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	BARIUM (TOTAL)	8.2		1.18	1.49	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.17	J	0.03	0.0382	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	BORON (TOTAL)	7.2		0.344	0.344	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.18	J	0.07	0.115	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	CALCIUM (TOTAL)	117		26.9	26.9	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	CHROMIUM (TOTAL)	6		0.0956	0.0956	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	COBALT (TOTAL)	2.8		0.26	0.344	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	COPPER (TOTAL)	6.7		0.249	0.249	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	IRON (TOTAL)	5910		4.21	4.78	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	LEAD (TOTAL)	5.3		0.306	0.306	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	780		24.2	24.2	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	MANGANESE (TOTAL)	53		0.08	0.134	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	NICKEL (TOTAL)	4.2		0.3	0.325	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	VANADIUM (TOTAL)	9.9		0.325	0.325	mg/Kg
SS102EA	AL688	11/10/2000	CL200.7	ZINC (TOTAL)	10		0.268	0.268	mg/Kg
SS102EA	AL688	11/10/2000	CVOL	ACETONE	46	J	4.34	7	ug/Kg
SS102EA	AL688	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	7	ug/Kg
SS102EA	AL688	11/10/2000	CVOL	TOLUENE	0.7	J	0.32	7	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL688	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	27.4	J	0.02	0.02	mg/Kg
SS102EA	AL688	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg
SS102EA	AL688	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	89	J	0.01	0.01	mg/Kg
SS102EA	AL688	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	6740		0	0	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	ALUMINUM (TOTAL)	7170		2.5	3.67	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	BARIUM (TOTAL)	7.2		1.18	1.53	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.19	J	0.03	0.0392	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	BORON (TOTAL)	7.5		0.353	0.353	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.47		0.07	0.118	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	CALCIUM (TOTAL)	134		27.6	27.6	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	CHROMIUM (TOTAL)	7.6		0.0981	0.0981	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	COBALT (TOTAL)	1.9		0.26	0.353	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	COPPER (TOTAL)	3.7		0.255	0.255	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	IRON (TOTAL)	7080		4.21	4.91	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	LEAD (TOTAL)	6.4		0.314	0.314	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	511		24.9	24.9	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	MANGANESE (TOTAL)	29.6		0.08	0.137	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	NICKEL (TOTAL)	3.7		0.3	0.334	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	VANADIUM (TOTAL)	13.4		0.334	0.334	mg/Kg
SS102EA	AL689	11/10/2000	CL200.7	ZINC (TOTAL)	7		0.275	0.275	mg/Kg
SS102EA	AL689	11/10/2000	CVOL	ACETONE	42	J	4.34	6	ug/Kg
SS102EA	AL689	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102EA	AL689	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.2	J	0.02	0.02	mg/Kg
SS102EA	AL689	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.23	J	0.01	0.01	mg/Kg
SS102EA	AL689	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.8	J	0.01	0.01	mg/Kg
SS102EA	AL689	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	2390	J	0	0	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	ALUMINUM (TOTAL)	9840		2.5	3.98	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	ARSENIC (TOTAL)	4.7		0.532	0.532	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	BARIUM (TOTAL)	14.9		1.18	1.66	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.4		0.03	0.0426	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	BORON (TOTAL)	13.5		0.383	0.383	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	CADMIUM (TOTAL)	1.3		0.07	0.128	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	CALCIUM (TOTAL)	314		29	30	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	CHROMIUM (TOTAL)	12.7		0.106	0.106	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	COBALT (TOTAL)	4		0.26	0.383	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL690	11/10/2000	CL200.7	COPPER (TOTAL)	56.2		0.277	0.277	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	IRON (TOTAL)	11900		4.21	5.32	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	LEAD (TOTAL)	12.6		0.32	0.341	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1450		27	27	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	MANGANESE (TOTAL)	65.8		0.08	0.149	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	NICKEL (TOTAL)	7.9		0.3	0.362	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	VANADIUM (TOTAL)	18.4		0.36	0.362	mg/Kg
SS102EA	AL690	11/10/2000	CL200.7	ZINC (TOTAL)	20.3		0.29	0.298	mg/Kg
SS102EA	AL690	11/10/2000	CVOL	ACETONE	61	J	4.34	7	ug/Kg
SS102EA	AL690	11/10/2000	CVOL	CHLOROMETHANE	0.8	J	0.61	7	ug/Kg
SS102EA	AL690	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	7	ug/Kg
SS102EA	AL690	11/10/2000	CVOL	TOLUENE	1	J	0.32	7	ug/Kg
SS102EA	AL690	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.7	J	0.02	0.02	mg/Kg
SS102EA	AL690	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.4	J	0.01	0.01	mg/Kg
SS102EA	AL690	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	1010	J	0	0	mg/Kg
SS102EA	AL690	11/10/2000	SW8270	2-NITROANILINE	18	J	18	940	ug/Kg
SS102EA	AL691	11/10/2000	CL200.7	ALUMINUM (TOTAL)	8830		2.5	3.73	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	BARIUM (TOTAL)	11.5		1.18	1.55	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.3		0.03	0.0399	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	BORON (TOTAL)	10.3		0.359	0.359	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.51		0.07	0.12	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	CHROMIUM (TOTAL)	10.5		0.0997	0.0997	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	COBALT (TOTAL)	3.6		0.26	0.359	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	COPPER (TOTAL)	10.9		0.259	0.259	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	IRON (TOTAL)	9140		4.21	4.98	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	LEAD (TOTAL)	6.3		0.319	0.319	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1150		25.3	25.3	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	MANGANESE (TOTAL)	50.6		0.08	0.14	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	NICKEL (TOTAL)	5.7		0.3	0.339	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	VANADIUM (TOTAL)	17.1		0.339	0.339	mg/Kg
SS102EA	AL691	11/10/2000	CL200.7	ZINC (TOTAL)	12.4		0.279	0.279	mg/Kg
SS102EA	AL691	11/10/2000	CVOL	ACETONE	38	J	4.34	6	ug/Kg
SS102EA	AL691	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102EA	AL691	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	0.02	0.02	mg/Kg
SS102EA	AL691	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	98.7	J	0.01	0.01	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL691	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	6380		0	0	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	ALUMINUM (TOTAL)	8060		2.5	4.09	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	ARSENIC (TOTAL)	3.9		0.547	0.547	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	BARIUM (TOTAL)	8.6		1.18	1.71	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.24	J	0.03	0.0438	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	BORON (TOTAL)	9.7		0.394	0.394	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.54		0.07	0.131	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	CHROMIUM (TOTAL)	9.9		0.109	0.109	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	COBALT (TOTAL)	2.4		0.26	0.394	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	COPPER (TOTAL)	7.1		0.285	0.285	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	IRON (TOTAL)	9190		4.21	5.47	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	LEAD (TOTAL)	7.1		0.32	0.35	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	915		27.7	27.7	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	MANGANESE (TOTAL)	38.2		0.08	0.153	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	NICKEL (TOTAL)	5.2		0.3	0.372	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	VANADIUM (TOTAL)	16.6		0.36	0.372	mg/Kg
SS102EA	AL692	11/10/2000	CL200.7	ZINC (TOTAL)	12		0.29	0.306	mg/Kg
SS102EA	AL692	11/10/2000	CVOL	ACETONE	160	J	4.34	8	ug/Kg
SS102EA	AL692	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	8	ug/Kg
SS102EA	AL692	11/10/2000	CVOL	TOLUENE	1	J	0.32	8	ug/Kg
SS102EA	AL692	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.7	J	0.02	0.02	mg/Kg
SS102EA	AL692	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg
SS102EA	AL692	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.6	J	0.01	0.01	mg/Kg
SS102EA	AL692	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	14000		0	0	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	ALUMINUM (TOTAL)	8270		2.5	4.03	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	BARIUM (TOTAL)	13.2		1.18	1.68	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.28	J	0.03	0.0431	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	BORON (TOTAL)	10		0.388	0.388	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.56		0.07	0.129	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	CALCIUM (TOTAL)	209		29	30.4	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	CHROMIUM (TOTAL)	10.8		0.108	0.108	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	COBALT (TOTAL)	3.8		0.26	0.388	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	COPPER (TOTAL)	6.2		0.28	0.28	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	IRON (TOTAL)	8040		4.21	5.39	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	LEAD (TOTAL)	5.8		0.32	0.345	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EA	AL693	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1390		27.3	27.3	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	MANGANESE (TOTAL)	60.2		0.08	0.151	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	NICKEL (TOTAL)	6		0.3	0.366	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	VANADIUM (TOTAL)	15.6		0.36	0.366	mg/Kg
SS102EA	AL693	11/10/2000	CL200.7	ZINC (TOTAL)	13.7		0.29	0.302	mg/Kg
SS102EA	AL693	11/10/2000	CVOL	ACETONE	34	J	4.34	7	ug/Kg
SS102EA	AL693	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	7	ug/Kg
SS102EA	AL693	11/10/2000	CVOL	TOLUENE	0.6	J	0.32	7	ug/Kg
SS102EA	AL693	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.6	J	0.02	0.02	mg/Kg
SS102EA	AL693	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109	J	0.01	0.01	mg/Kg
SS102EA	AL693	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	6330		0	0	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	ALUMINUM (TOTAL)	4630		2.5	4.7	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	ANTIMONY (TOTAL)	0.43	J	0.397	0.397	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	ARSENIC (TOTAL)	1.8		0.414	0.414	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	BARIUM (TOTAL)	6.8		0.497	0.497	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.15		0.03	0.0331	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	BORON (TOTAL)	1.3		0.298	0.298	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	CADMIUM (TOTAL)	1.1		0.0497	0.0497	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	CALCIUM (TOTAL)	225		23.3	23.3	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	CHROMIUM (TOTAL)	17.4		0.116	0.116	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	COBALT (TOTAL)	1.9		0.149	0.149	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	COPPER (TOTAL)	6.1		0.248	0.248	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	IRON (TOTAL)	8040	J	3.87	3.87	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	LEAD (TOTAL)	12.7		0.265	0.265	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	685	J	21	21	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	MANGANESE (TOTAL)	67	J	0.08	0.0993	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	MOLYBDENUM (TOTAL)	3.7		0.215	0.215	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	NICKEL (TOTAL)	49		0.215	0.215	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	POTASSIUM (TOTAL)	376	J	39.6	39.6	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	VANADIUM (TOTAL)	11.4		0.199	0.199	mg/Kg
SS102EB	AL713	11/10/2000	CL200.7	ZINC (TOTAL)	9.5	J	0.132	0.132	mg/Kg
SS102EB	AL713	11/10/2000	CVOL	ACETONE	130	J	4.34	6	ug/Kg
SS102EB	AL713	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	11.5	J	0.02	0.02	mg/Kg
SS102EB	AL713	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102EB	AL713	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	95.4	J	0.01	0.01	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL713	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	4560		0	0	mg/Kg
SS102EB	AL713	11/10/2000	SW8270	BENZOIC ACID	370	J	241	940	ug/Kg
SS102EB	AL714	11/10/2000	CL200.7	ALUMINUM (TOTAL)	6850		2.5	6.19	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	ANTIMONY (TOTAL)	0.8	J	0.5	0.523	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	ARSENIC (TOTAL)	3		0.545	0.545	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	BARIUM (TOTAL)	9.5		0.654	0.654	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.25		0.03	0.0436	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	BORON (TOTAL)	2.2		0.392	0.392	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	CALCIUM (TOTAL)	159		29	30.7	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	CHROMIUM (TOTAL)	8.6		0.14	0.153	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	COBALT (TOTAL)	2.6		0.196	0.196	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	COPPER (TOTAL)	4.4		0.327	0.327	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	IRON (TOTAL)	8270	J	4.21	5.1	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	LEAD (TOTAL)	7.6		0.32	0.349	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	988	J	27.6	27.6	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	MANGANESE (TOTAL)	62.2	J	0.08	0.131	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	MOLYBDENUM (TOTAL)	0.53	J	0.283	0.283	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	NICKEL (TOTAL)	4.7		0.283	0.283	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	POTASSIUM (TOTAL)	501	J	47.2	52.1	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	VANADIUM (TOTAL)	14.4		0.261	0.261	mg/Kg
SS102EB	AL714	11/10/2000	CL200.7	ZINC (TOTAL)	11.3	J	0.174	0.174	mg/Kg
SS102EB	AL714	11/10/2000	CVOL	ACETONE	320	J	4.34	7	ug/Kg
SS102EB	AL714	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	23	J	1.8	7	ug/Kg
SS102EB	AL714	11/10/2000	CVOL	TOLUENE	1	J	0.32	7	ug/Kg
SS102EB	AL714	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.6	J	0.02	0.02	mg/Kg
SS102EB	AL714	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102EB	AL714	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114	J	0.01	0.01	mg/Kg
SS102EB	AL714	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	3780		0	0	mg/Kg
SS102EB	AL714	11/10/2000	SW8270	BENZOIC ACID	300	J	241	980	ug/Kg
SS102EB	AL715	11/10/2000	CL200.7	ALUMINUM (TOTAL)	7210		2.5	6.4	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	ARSENIC (TOTAL)	2.6		0.563	0.563	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	BARIUM (TOTAL)	10.1		0.676	0.676	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.23		0.03	0.0451	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	BORON (TOTAL)	2.3		0.406	0.406	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	CALCIUM (TOTAL)	157		29	31.7	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL715	11/10/2000	CL200.7	CHROMIUM (TOTAL)	9		0.14	0.158	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	COBALT (TOTAL)	2.7		0.203	0.203	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	COPPER (TOTAL)	4		0.338	0.338	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	IRON (TOTAL)	8490	J	4.21	5.27	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	LEAD (TOTAL)	7.4		0.32	0.36	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1160	J	28.1	28.6	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	MANGANESE (TOTAL)	70.9	J	0.08	0.135	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	MOLYBDENUM (TOTAL)	0.31	J	0.293	0.293	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	NICKEL (TOTAL)	4.9		0.293	0.293	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	POTASSIUM (TOTAL)	523	J	47.2	53.9	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	VANADIUM (TOTAL)	15.5		0.27	0.27	mg/Kg
SS102EB	AL715	11/10/2000	CL200.7	ZINC (TOTAL)	11.9	J	0.18	0.18	mg/Kg
SS102EB	AL715	11/10/2000	CVOL	ACETONE	220	J	4.34	7	ug/Kg
SS102EB	AL715	11/10/2000	CVOL	TOLUENE	0.6	J	0.32	7	ug/Kg
SS102EB	AL715	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	10	J	0.02	0.02	mg/Kg
SS102EB	AL715	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	124	J	0.01	0.01	mg/Kg
SS102EB	AL715	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	5150		0	0	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	ALUMINUM (TOTAL)	5140		2.5	5.46	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	ANTIMONY (TOTAL)	6.6	J	0.461	0.461	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	ARSENIC (TOTAL)	7.1		0.48	0.48	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	BARIUM (TOTAL)	13.9		0.576	0.576	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.25		0.03	0.0384	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	BORON (TOTAL)	19.8		0.346	0.346	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	CADMIUM (TOTAL)	3.6		0.0576	0.0576	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	CALCIUM (TOTAL)	220		27.1	27.1	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	CHROMIUM (TOTAL)	203		0.135	0.135	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	COBALT (TOTAL)	9		0.173	0.173	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	COPPER (TOTAL)	153		0.288	0.288	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	IRON (TOTAL)	130000	J	4.21	4.49	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	LEAD (TOTAL)	11.6		0.307	0.307	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	847	J	24.4	24.4	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	MANGANESE (TOTAL)	276	J	0.08	0.115	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	MOLYBDENUM (TOTAL)	85.2		0.25	0.25	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	NICKEL (TOTAL)	964		0.25	0.25	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	POTASSIUM (TOTAL)	455	J	46	46	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL716	11/10/2000	CL200.7	VANADIUM (TOTAL)	18		0.231	0.231	mg/Kg
SS102EB	AL716	11/10/2000	CL200.7	ZINC (TOTAL)	42.1	J	0.154	0.154	mg/Kg
SS102EB	AL716	11/10/2000	CVOL	ACETONE	320	J	4.34	9	ug/Kg
SS102EB	AL716	11/10/2000	CVOL	BENZENE	3	J	0.41	9	ug/Kg
SS102EB	AL716	11/10/2000	CVOL	ETHYLBENZENE	2	J	0.43	9	ug/Kg
SS102EB	AL716	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	31		1.8	9	ug/Kg
SS102EB	AL716	11/10/2000	CVOL	TOLUENE	5	J	0.32	9	ug/Kg
SS102EB	AL716	11/10/2000	CVOL	XYLENES, TOTAL	1	J	0.93	9	ug/Kg
SS102EB	AL716	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.8	J	0.02	0.02	mg/Kg
SS102EB	AL716	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	89.4	J	0.01	0.01	mg/Kg
SS102EB	AL716	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	8640	J	0	0	mg/Kg
SS102EB	AL716	11/10/2000	SW8270	BENZOIC ACID	810	J	241	940	ug/Kg
SS102EB	AL717	11/10/2000	CL200.7	ALUMINUM (TOTAL)	5740		2.5	5.64	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	ANTIMONY (TOTAL)	0.74	J	0.477	0.477	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	ARSENIC (TOTAL)	2.3		0.497	0.497	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	BARIUM (TOTAL)	8.7		0.596	0.596	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.03	0.0397	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	BORON (TOTAL)	1.7		0.358	0.358	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.67		0.0596	0.0596	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	CALCIUM (TOTAL)	217		28	28	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	CHROMIUM (TOTAL)	8.1		0.139	0.139	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	COBALT (TOTAL)	2.3		0.179	0.179	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	COPPER (TOTAL)	6.9		0.298	0.298	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	IRON (TOTAL)	7730	J	4.21	4.65	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	LEAD (TOTAL)	13.3		0.318	0.318	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1010	J	25.2	25.2	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	MANGANESE (TOTAL)	76.9	J	0.08	0.119	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	MOLYBDENUM (TOTAL)	0.76		0.258	0.258	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	NICKEL (TOTAL)	6.4		0.258	0.258	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	POTASSIUM (TOTAL)	408	J	47.2	47.5	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	VANADIUM (TOTAL)	13.6		0.238	0.238	mg/Kg
SS102EB	AL717	11/10/2000	CL200.7	ZINC (TOTAL)	16.1	J	0.159	0.159	mg/Kg
SS102EB	AL717	11/10/2000	CVOL	ACETONE	260	J	4.34	7	ug/Kg
SS102EB	AL717	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	20	J	1.8	7	ug/Kg
SS102EB	AL717	11/10/2000	CVOL	TOLUENE	1	J	0.32	7	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL717	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	9.1	J	0.02	0.02	mg/Kg
SS102EB	AL717	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102EB	AL717	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86	J	0.01	0.01	mg/Kg
SS102EB	AL717	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	5900		0	0	mg/Kg
SS102EB	AL717	11/10/2000	SW8330	2,4-DINITROTOLUENE	150	J	24	120	ug/Kg
SS102EB	AL717	11/10/2000	SW8330	NITROGLYCERIN	2700	J	930	2500	ug/Kg
SS102EB	AL718	11/10/2000	CL200.7	ALUMINUM (TOTAL)	5400		2.5	6.99	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	ANTIMONY (TOTAL)	0.8	J	0.5	0.591	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	ARSENIC (TOTAL)	2.1		0.615	0.615	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	BARIUM (TOTAL)	8.2		0.738	0.738	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.03	0.0492	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	BORON (TOTAL)	2		0.443	0.443	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.16		0.07	0.0738	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	CALCIUM (TOTAL)	181		29	34.7	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	CHROMIUM (TOTAL)	9.1		0.14	0.172	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	COBALT (TOTAL)	2.1		0.222	0.222	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	COPPER (TOTAL)	5.6		0.34	0.369	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	IRON (TOTAL)	7470	J	4.21	5.76	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	LEAD (TOTAL)	13		0.32	0.394	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	993	J	28.1	31.2	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	MANGANESE (TOTAL)	53.6	J	0.08	0.148	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	MOLYBDENUM (TOTAL)	1.4		0.32	0.32	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	NICKEL (TOTAL)	15.3		0.3	0.32	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	POTASSIUM (TOTAL)	472	J	47.2	58.9	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	VANADIUM (TOTAL)	12.6		0.295	0.295	mg/Kg
SS102EB	AL718	11/10/2000	CL200.7	ZINC (TOTAL)	12.1	J	0.197	0.197	mg/Kg
SS102EB	AL718	11/10/2000	CVOL	ACETONE	630	J	4.34	9	ug/Kg
SS102EB	AL718	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	21	J	1.8	9	ug/Kg
SS102EB	AL718	11/10/2000	CVOL	TOLUENE	4	J	0.32	9	ug/Kg
SS102EB	AL718	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.9	J	0.02	0.02	mg/Kg
SS102EB	AL718	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	124	J	0.01	0.01	mg/Kg
SS102EB	AL718	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	3340		0	0	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	ALUMINUM (TOTAL)	6430		2.5	4.56	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	ARSENIC (TOTAL)	3.3	J	0.715	0.715	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	BARIUM (TOTAL)	12		0.698	0.698	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL719	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.26		0.03	0.034	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	CALCIUM (TOTAL)	81		29	29.1	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	CHROMIUM (TOTAL)	7.8	J	0.14	0.187	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	COBALT (TOTAL)	1.7		0.26	0.46	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	COPPER (TOTAL)	5.9	J	0.306	0.306	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	IRON (TOTAL)	7540	J	3.61	3.61	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	LEAD (TOTAL)	6.3	J	0.306	0.306	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1090		28.1	35.4	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	MANGANESE (TOTAL)	55	J	0.08	0.255	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	NICKEL (TOTAL)	3.7	J	0.3	0.357	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	POTASSIUM (TOTAL)	486		32.6	32.6	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	VANADIUM (TOTAL)	11.7		0.323	0.323	mg/Kg
SS102EB	AL719	11/10/2000	CL200.7	ZINC (TOTAL)	13.4	J	0.29	0.596	mg/Kg
SS102EB	AL719	11/10/2000	CVOL	ACETONE	55	J	4.34	9	ug/Kg
SS102EB	AL719	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	9	ug/Kg
SS102EB	AL719	11/10/2000	CVOL	TOLUENE	0.9	J	0.32	9	ug/Kg
SS102EB	AL719	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.2	J	0.02	0.02	mg/Kg
SS102EB	AL719	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.4	J	0.01	0.01	mg/Kg
SS102EB	AL719	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	8350	J	0	0	mg/Kg
SS102EB	AL719	11/10/2000	SW8270	PHENOL	2400		71.3	380	ug/Kg
SS102EB	AL720	11/10/2000	CL200.7	ALUMINUM (TOTAL)	6120		2.5	5.17	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	ARSENIC (TOTAL)	2.6	J	0.482	0.482	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	BARIUM (TOTAL)	9.9		0.791	0.791	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.26		0.03	0.0386	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	CALCIUM (TOTAL)	90.6		29	32.9	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	CHROMIUM (TOTAL)	7.3	J	0.14	0.212	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	COBALT (TOTAL)	2		0.26	0.521	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	COPPER (TOTAL)	5.9	J	0.34	0.347	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	IRON (TOTAL)	8130	J	4.09	4.09	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	LEAD (TOTAL)	6.2	J	0.32	0.347	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1070		28.1	40.1	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	MANGANESE (TOTAL)	64.6	J	0.08	0.289	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	NICKEL (TOTAL)	3.4	J	0.3	0.405	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	POTASSIUM (TOTAL)	500		37	37	mg/Kg
SS102EB	AL720	11/10/2000	CL200.7	VANADIUM (TOTAL)	11		0.36	0.366	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL720	11/10/2000	CL200.7	ZINC (TOTAL)	13.7	J	0.29	0.675	mg/Kg
SS102EB	AL720	11/10/2000	CVOL	ACETONE	65	J	4.34	9	ug/Kg
SS102EB	AL720	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	9	ug/Kg
SS102EB	AL720	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	5	J	0.02	0.02	mg/Kg
SS102EB	AL720	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102EB	AL720	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.6	J	0.01	0.01	mg/Kg
SS102EB	AL720	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	7840	J	0	0	mg/Kg
SS102EB	AL720	11/10/2000	SW8270	PHENOL	160	J	71.3	370	ug/Kg
SS102EB	AL721	11/10/2000	CL200.7	ALUMINUM (TOTAL)	5750		2.5	4.44	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	ARSENIC (TOTAL)	2.4	J	0.695	0.695	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	BARIUM (TOTAL)	7.5		0.679	0.679	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.03	0.0331	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	CALCIUM (TOTAL)	72		28.3	28.3	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	CHROMIUM (TOTAL)	6.6	J	0.14	0.182	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	COBALT (TOTAL)	1.2		0.26	0.447	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	COPPER (TOTAL)	4.4	J	0.298	0.298	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	IRON (TOTAL)	6900	J	3.51	3.51	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	LEAD (TOTAL)	5.3	J	0.298	0.298	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	810		28.1	34.4	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	MANGANESE (TOTAL)	44.8	J	0.08	0.248	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	MOLYBDENUM (TOTAL)	0.59	J	0.49	0.513	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	NICKEL (TOTAL)	2	J	0.3	0.348	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	POTASSIUM (TOTAL)	343		31.7	31.7	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	THALLIUM (TOTAL)	0.87	J	0.64	0.745	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	VANADIUM (TOTAL)	10.6		0.315	0.315	mg/Kg
SS102EB	AL721	11/10/2000	CL200.7	ZINC (TOTAL)	9.6	J	0.29	0.579	mg/Kg
SS102EB	AL721	11/10/2000	CVOL	ACETONE	220	J	4.34	7	ug/Kg
SS102EB	AL721	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	1.8	7	ug/Kg
SS102EB	AL721	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	0.02	0.02	mg/Kg
SS102EB	AL721	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg
SS102EB	AL721	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86.1	J	0.01	0.01	mg/Kg
SS102EB	AL721	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	4250	J	0	0	mg/Kg
SS102EB	AL721	11/10/2000	SW8151A	PICLORAM	5.6	J	2.9	5.3	ug/Kg
SS102EB	AL722	11/10/2000	CL200.7	ALUMINUM (TOTAL)	6290		2.5	5.05	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	ANTIMONY (TOTAL)	4	J	0.5	0.868	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL722	11/10/2000	CL200.7	ARSENIC (TOTAL)	4.8	J	0.75	0.792	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	BARIUM (TOTAL)	11.7		0.773	0.773	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.32		0.03	0.0377	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	CADMIUM (TOTAL)	1.5		0.0566	0.0566	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	CALCIUM (TOTAL)	148		29	32.2	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	CHROMIUM (TOTAL)	88.4	J	0.14	0.208	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	COBALT (TOTAL)	4.6		0.26	0.509	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	COPPER (TOTAL)	114	J	0.34	0.34	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	IRON (TOTAL)	98700	J	4	4	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	LEAD (TOTAL)	24.5	J	0.32	0.34	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1030		28.1	39.2	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	MANGANESE (TOTAL)	258	J	0.08	0.283	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	MOLYBDENUM (TOTAL)	26.4	J	0.49	0.585	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	NICKEL (TOTAL)	202	J	0.3	0.396	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	POTASSIUM (TOTAL)	534		36.2	36.2	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	THALLIUM (TOTAL)	5.9	J	0.64	0.849	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	VANADIUM (TOTAL)	5.9		0.358	0.358	mg/Kg
SS102EB	AL722	11/10/2000	CL200.7	ZINC (TOTAL)	21.6	J	0.29	0.66	mg/Kg
SS102EB	AL722	11/10/2000	CVOL	ACETONE	280	J	4.34	6	ug/Kg
SS102EB	AL722	11/10/2000	CVOL	BENZENE	2	J	0.41	6	ug/Kg
SS102EB	AL722	11/10/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg
SS102EB	AL722	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.2	J	0.02	0.02	mg/Kg
SS102EB	AL722	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102EB	AL722	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93.3	J	0.01	0.01	mg/Kg
SS102EB	AL722	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	5090	J	0	0	mg/Kg
SS102EB	AL722	11/10/2000	SW8151A	CHLORAMBEN	7.1	J	6.6	6.6	ug/Kg
SS102EB	AL722	11/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	400	ug/Kg
SS102EB	AL723	11/10/2000	CL200.7	ALUMINUM (TOTAL)	6890		2.5	4.69	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	ANTIMONY (TOTAL)	0.82	J	0.5	0.806	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	ARSENIC (TOTAL)	2.1	J	0.736	0.736	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	BARIUM (TOTAL)	11.1		0.718	0.718	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.28		0.03	0.035	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	CADMIUM (TOTAL)	2.5		0.0525	0.0525	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	CALCIUM (TOTAL)	135		29	29.9	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	CHROMIUM (TOTAL)	16.4	J	0.14	0.193	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL723	11/10/2000	CL200.7	COBALT (TOTAL)	2.3		0.26	0.473	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	COPPER (TOTAL)	16.6	J	0.315	0.315	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	IRON (TOTAL)	27100	J	3.71	3.71	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	LEAD (TOTAL)	50.1	J	0.315	0.315	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1320		28.1	36.4	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	MANGANESE (TOTAL)	188	J	0.08	0.263	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	MOLYBDENUM (TOTAL)	2.3	J	0.49	0.543	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	NICKEL (TOTAL)	23.5	J	0.3	0.368	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	POTASSIUM (TOTAL)	532		33.6	33.6	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	THALLIUM (TOTAL)	1.8	J	0.64	0.788	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	VANADIUM (TOTAL)	11.4		0.333	0.333	mg/Kg
SS102EB	AL723	11/10/2000	CL200.7	ZINC (TOTAL)	22.1	J	0.29	0.613	mg/Kg
SS102EB	AL723	11/10/2000	CVOL	ACETONE	280	J	4.34	8	ug/Kg
SS102EB	AL723	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	20	J	1.8	8	ug/Kg
SS102EB	AL723	11/10/2000	CVOL	TOLUENE	0.7	J	0.32	8	ug/Kg
SS102EB	AL723	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.8	J	0.02	0.02	mg/Kg
SS102EB	AL723	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102EB	AL723	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.7	J	0.01	0.01	mg/Kg
SS102EB	AL723	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	4740	J	0	0	mg/Kg
SS102EB	AL723	11/10/2000	SW8270	BENZOIC ACID	400	J	241	970	ug/Kg
SS102EB	AL723	11/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	25	J	25	390	ug/Kg
SS102EB	AL724	11/10/2000	CL200.7	ALUMINUM (TOTAL)	4790		2.5	5.39	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	ANTIMONY (TOTAL)	0.59	J	0.456	0.456	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	ARSENIC (TOTAL)	2		0.475	0.475	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	BARIUM (TOTAL)	8.4		0.57	0.57	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.03	0.038	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	BORON (TOTAL)	1.8		0.342	0.342	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.3		0.057	0.057	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	CALCIUM (TOTAL)	135		26.8	26.8	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	CHROMIUM (TOTAL)	8.7		0.133	0.133	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	COBALT (TOTAL)	2.1		0.171	0.171	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	COPPER (TOTAL)	5.9		0.285	0.285	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	IRON (TOTAL)	7150	J	4.21	4.44	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	LEAD (TOTAL)	11.1		0.304	0.304	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	894	J	24.1	24.1	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL724	11/10/2000	CL200.7	MANGANESE (TOTAL)	58	J	0.08	0.114	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	NICKEL (TOTAL)	15.4		0.247	0.247	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	POTASSIUM (TOTAL)	434	J	45.4	45.4	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	VANADIUM (TOTAL)	10		0.228	0.228	mg/Kg
SS102EB	AL724	11/10/2000	CL200.7	ZINC (TOTAL)	11.4	J	0.152	0.152	mg/Kg
SS102EB	AL724	11/10/2000	CVOL	ACETONE	95	J	4.34	8	ug/Kg
SS102EB	AL724	11/10/2000	CVOL	TOLUENE	0.7	J	0.32	8	ug/Kg
SS102EB	AL724	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.4	J	0.02	0.02	mg/Kg
SS102EB	AL724	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102EB	AL724	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	120	J	0.01	0.01	mg/Kg
SS102EB	AL724	11/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	29	J	29	360	ug/Kg
SS102EB	AL725	11/10/2000	CL200.7	ALUMINUM (TOTAL)	5910		2.5	5.94	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	ANTIMONY (TOTAL)	0.51	J	0.5	0.502	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	ARSENIC (TOTAL)	3.1		0.523	0.523	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	BARIUM (TOTAL)	8.1		0.628	0.628	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.03	0.0419	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	BORON (TOTAL)	1.8		0.377	0.377	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	CADMIUM (TOTAL)	0.34		0.0628	0.0628	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	CALCIUM (TOTAL)	151		29	29.5	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	CHROMIUM (TOTAL)	10		0.14	0.147	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	COBALT (TOTAL)	2.5		0.188	0.188	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	COPPER (TOTAL)	5.6		0.314	0.314	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	IRON (TOTAL)	8320	J	4.21	4.9	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	LEAD (TOTAL)	7.8		0.32	0.335	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	889	J	26.5	26.5	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	MANGANESE (TOTAL)	59.8	J	0.08	0.126	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	NICKEL (TOTAL)	26		0.272	0.272	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	POTASSIUM (TOTAL)	539	J	47.2	50.1	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	VANADIUM (TOTAL)	12.2		0.251	0.251	mg/Kg
SS102EB	AL725	11/10/2000	CL200.7	ZINC (TOTAL)	14.3	J	0.167	0.167	mg/Kg
SS102EB	AL725	11/10/2000	CVOL	ACETONE	190	J	4.34	7	ug/Kg
SS102EB	AL725	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	1.8	7	ug/Kg
SS102EB	AL725	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.9	J	0.02	0.02	mg/Kg
SS102EB	AL725	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102EB	AL725	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	129	J	0.01	0.01	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL725	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	4020	J	0	0	mg/Kg
SS102EB	AL725	11/10/2000	SW8270	BENZOIC ACID	150	J	150	960	ug/Kg
SS102EB	AL725	11/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	28	J	28	380	ug/Kg
SS102EB	AL726	11/10/2000	CL200.7	ALUMINUM (TOTAL)	8240		2.5	5.71	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	ANTIMONY (TOTAL)	1.1	J	0.483	0.483	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	ARSENIC (TOTAL)	3.5		0.503	0.503	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	BARIUM (TOTAL)	9.7		0.603	0.603	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.03	0.0402	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	BORON (TOTAL)	2.2		0.362	0.362	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	CALCIUM (TOTAL)	95.3		28.3	28.3	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	CHROMIUM (TOTAL)	9.5		0.14	0.141	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	COBALT (TOTAL)	2.3		0.181	0.181	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	COPPER (TOTAL)	3.6		0.302	0.302	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	IRON (TOTAL)	9290	J	4.21	4.7	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	LEAD (TOTAL)	7		0.32	0.322	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1020	J	25.5	25.5	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	MANGANESE (TOTAL)	48.5	J	0.08	0.121	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	NICKEL (TOTAL)	4.4		0.261	0.261	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	POTASSIUM (TOTAL)	508	J	47.2	48.1	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	VANADIUM (TOTAL)	15.4		0.241	0.241	mg/Kg
SS102EB	AL726	11/10/2000	CL200.7	ZINC (TOTAL)	11.5	J	0.161	0.161	mg/Kg
SS102EB	AL726	11/10/2000	CVOL	ACETONE	340	J	4.34	11	ug/Kg
SS102EB	AL726	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	1.8	11	ug/Kg
SS102EB	AL726	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	6	J	0.02	0.02	mg/Kg
SS102EB	AL726	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	99.4	J	0.01	0.01	mg/Kg
SS102EB	AL726	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	1430	J	0	0	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	ALUMINUM (TOTAL)	6930		2.5	6.15	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	ANTIMONY (TOTAL)	2.7	J	0.5	0.52	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	ARSENIC (TOTAL)	3.3		0.541	0.541	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	BARIUM (TOTAL)	11.6		0.649	0.649	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.23		0.03	0.0433	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	BORON (TOTAL)	3.8		0.39	0.39	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	CADMIUM (TOTAL)	3.3		0.0649	0.0649	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	CALCIUM (TOTAL)	160		29	30.5	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	CHROMIUM (TOTAL)	65.6		0.14	0.152	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL727	11/10/2000	CL200.7	COBALT (TOTAL)	5		0.195	0.195	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	COPPER (TOTAL)	63.1		0.325	0.325	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	IRON (TOTAL)	54400	J	4.21	5.07	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	LEAD (TOTAL)	11.5		0.32	0.346	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	970	J	27.4	27.4	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	MANGANESE (TOTAL)	147	J	0.08	0.13	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	MOLYBDENUM (TOTAL)	21.1		0.281	0.281	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	NICKEL (TOTAL)	234		0.281	0.281	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	POTASSIUM (TOTAL)	518	J	47.2	51.8	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	VANADIUM (TOTAL)	14.3		0.26	0.26	mg/Kg
SS102EB	AL727	11/10/2000	CL200.7	ZINC (TOTAL)	23.2	J	0.173	0.173	mg/Kg
SS102EB	AL727	11/10/2000	CVOL	ACETONE	140	J	4.34	6	ug/Kg
SS102EB	AL727	11/10/2000	CVOL	BENZENE	3	J	0.41	6	ug/Kg
SS102EB	AL727	11/10/2000	CVOL	ETHYLBENZENE	1	J	0.43	6	ug/Kg
SS102EB	AL727	11/10/2000	CVOL	TOLUENE	3	J	0.32	6	ug/Kg
SS102EB	AL727	11/10/2000	CVOL	XYLENES, TOTAL	0.6	J	0.6	6	ug/Kg
SS102EB	AL727	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	0.02	0.02	mg/Kg
SS102EB	AL727	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.8	J	0.01	0.01	mg/Kg
SS102EB	AL727	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	2180		0	0	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	ALUMINUM (TOTAL)	10500		2.5	6.69	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	ARSENIC (TOTAL)	3		0.589	0.589	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	BARIUM (TOTAL)	15.7		0.707	0.707	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.32		0.03	0.0471	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	BORON (TOTAL)	2.8		0.424	0.424	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	CADMIUM (TOTAL)	5.1		0.07	0.0707	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	CALCIUM (TOTAL)	212		29	33.2	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	CHROMIUM (TOTAL)	15.2		0.14	0.165	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	COBALT (TOTAL)	4		0.212	0.212	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	COPPER (TOTAL)	31.6		0.34	0.354	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	IRON (TOTAL)	14200	J	4.21	5.51	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	LEAD (TOTAL)	54.4		0.32	0.377	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1590	J	28.1	29.9	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	MANGANESE (TOTAL)	120	J	0.08	0.141	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	NICKEL (TOTAL)	18.2		0.3	0.306	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	POTASSIUM (TOTAL)	694	J	47.2	56.4	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL728	11/10/2000	CL200.7	VANADIUM (TOTAL)	18.7		0.283	0.283	mg/Kg
SS102EB	AL728	11/10/2000	CL200.7	ZINC (TOTAL)	21.7	J	0.189	0.189	mg/Kg
SS102EB	AL728	11/10/2000	CVOL	ACETONE	170	J	4.34	8	ug/Kg
SS102EB	AL728	11/10/2000	CVOL	BROMOMETHANE	1	J	0.49	8	ug/Kg
SS102EB	AL728	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	1.8	8	ug/Kg
SS102EB	AL728	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.8	J	0.02	0.02	mg/Kg
SS102EB	AL728	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	251	J	0.01	0.01	mg/Kg
SS102EB	AL728	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	1710		0	0	mg/Kg
SS102EB	AL728	11/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	90	J	90	440	ug/Kg
SS102EB	AL729	11/10/2000	CL200.7	ALUMINUM (TOTAL)	7190		2.5	5.8	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	ARSENIC (TOTAL)	2.6		0.511	0.511	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	BARIUM (TOTAL)	11.6		0.613	0.613	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	BERYLLIUM (TOTAL)	0.22		0.03	0.0409	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	BORON (TOTAL)	2.6		0.368	0.368	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	CADMIUM (TOTAL)	3.2		0.0613	0.0613	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	CALCIUM (TOTAL)	130		28.8	28.8	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	CHROMIUM (TOTAL)	11.3		0.14	0.143	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	COBALT (TOTAL)	3		0.184	0.184	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	COPPER (TOTAL)	32.7		0.306	0.306	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	IRON (TOTAL)	10900	J	4.21	4.78	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	LEAD (TOTAL)	135		0.32	0.327	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	MAGNESIUM (TOTAL)	1090	J	25.9	25.9	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	MANGANESE (TOTAL)	97.4	J	0.08	0.123	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	NICKEL (TOTAL)	20.8		0.266	0.266	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	POTASSIUM (TOTAL)	528	J	47.2	48.9	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	VANADIUM (TOTAL)	12.7		0.245	0.245	mg/Kg
SS102EB	AL729	11/10/2000	CL200.7	ZINC (TOTAL)	14.7	J	0.163	0.163	mg/Kg
SS102EB	AL729	11/10/2000	CVOL	ACETONE	160	J	4.34	7	ug/Kg
SS102EB	AL729	11/10/2000	CVOL	BENZENE	0.8	J	0.41	7	ug/Kg
SS102EB	AL729	11/10/2000	CVOL	BROMOMETHANE	2	J	0.49	7	ug/Kg
SS102EB	AL729	11/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	7	ug/Kg
SS102EB	AL729	11/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.9	J	0.02	0.02	mg/Kg
SS102EB	AL729	11/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.11		0.01	0.01	mg/Kg
SS102EB	AL729	11/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97.1	J	0.01	0.01	mg/Kg
SS102EB	AL729	11/10/2000	LYDKHN	TOTAL ORGANIC CARBON	1400	J	0	0	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EB	AL729	11/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	39	J	39	370	ug/Kg
SS102EB	AT420	10/16/2001	CL200.7	ALUMINUM (TOTAL)	9230		1.6	1.6	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	ARSENIC (TOTAL)	2.4		0.81	0.81	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	BARIUM (TOTAL)	13.8		1.9	1.9	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	BERYLLIUM (TOTAL)	0.38		0.04	0.04	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	BORON (TOTAL)	4.2		0.46	0.46	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	CADMIUM (TOTAL)	2.1		0.04	0.04	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	CALCIUM (TOTAL)	189		66.2	66.2	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	CHROMIUM (TOTAL)	12.6		0.25	0.25	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	COBALT (TOTAL)	3.4		0.29	0.29	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	COPPER (TOTAL)	15.1		0.8	0.91	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	IRON (TOTAL)	10900		3.7	3.7	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	LEAD (TOTAL)	59.9		0.12	0.12	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	MAGNESIUM (TOTAL)	1490		40.4	40.4	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	MANGANESE (TOTAL)	77.1		0.29	0.29	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	MOLYBDENUM (TOTAL)	0.59		0.19	0.19	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	NICKEL (TOTAL)	9.9		0.41	0.41	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	POTASSIUM (TOTAL)	709		24.3	24.3	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	VANADIUM (TOTAL)	16.6		0.44	0.44	mg/Kg
SS102EB	AT420	10/16/2001	CL200.7	ZINC (TOTAL)	15.6		0.19	0.19	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	ALUMINUM (TOTAL)	4490		2.5	5.63	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	ARSENIC (TOTAL)	2.5		0.496	0.496	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	BARIUM (TOTAL)	7.1		0.595	0.595	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.15		0.03	0.0397	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	CALCIUM (TOTAL)	103		27.9	27.9	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	CHROMIUM (TOTAL)	5.7		0.139	0.139	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	COBALT (TOTAL)	2		0.178	0.178	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	COPPER (TOTAL)	4.6		0.297	0.297	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	IRON (TOTAL)	6020		4.21	4.64	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	LEAD (TOTAL)	6.3		0.317	0.317	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	655		25.1	25.1	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	MANGANESE (TOTAL)	50.2		0.08	0.119	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	NICKEL (TOTAL)	4		0.258	0.258	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	POTASSIUM (TOTAL)	350		38.1	38.1	mg/Kg
SS102EC	AL732	11/14/2000	CL200.7	VANADIUM (TOTAL)	10.9		0.238	0.238	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL732	11/14/2000	CL200.7	ZINC (TOTAL)	8.9		0.159	0.159	mg/Kg
SS102EC	AL732	11/14/2000	CPEST	ALPHA ENDOSULFAN	1.8	NJ	0.12	1.8	ug/Kg
SS102EC	AL732	11/14/2000	CPEST	DIELDRIN	5.2	NJ	0.21	3.6	ug/Kg
SS102EC	AL732	11/14/2000	CPEST	P,P'-DDD	13		0.25	3.6	ug/Kg
SS102EC	AL732	11/14/2000	CVOL	ACETONE	430	J	4.34	7	ug/Kg
SS102EC	AL732	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	29	J	1.8	7	ug/Kg
SS102EC	AL732	11/14/2000	CVOL	TOLUENE	3	J	0.32	7	ug/Kg
SS102EC	AL732	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	10.4		0.02	0.02	mg/Kg
SS102EC	AL732	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.12		0.01	0.01	mg/Kg
SS102EC	AL732	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103		0.01	0.01	mg/Kg
SS102EC	AL732	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	8140		0	0	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	ALUMINUM (TOTAL)	7060		2.5	5.96	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	ARSENIC (TOTAL)	3.6		0.524	0.524	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	BARIUM (TOTAL)	10		0.629	0.629	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.21		0.03	0.0419	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	CADMIUM (TOTAL)	0.32		0.0629	0.0629	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	CALCIUM (TOTAL)	126		29	29.5	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	CHROMIUM (TOTAL)	8.4		0.14	0.147	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	COBALT (TOTAL)	3.2		0.189	0.189	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	COPPER (TOTAL)	5.5		0.315	0.315	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	IRON (TOTAL)	10700		4.21	4.91	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	LEAD (TOTAL)	6.7		0.32	0.336	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	1600		26.6	26.6	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	MANGANESE (TOTAL)	76		0.08	0.126	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	NICKEL (TOTAL)	5.9		0.273	0.273	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	POTASSIUM (TOTAL)	400		40.4	40.4	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	VANADIUM (TOTAL)	16.8		0.252	0.252	mg/Kg
SS102EC	AL733	11/14/2000	CL200.7	ZINC (TOTAL)	17.9		0.168	0.168	mg/Kg
SS102EC	AL733	11/14/2000	CVOL	ACETONE	330	J	4.34	7	ug/Kg
SS102EC	AL733	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	1.8	7	ug/Kg
SS102EC	AL733	11/14/2000	CVOL	TOLUENE	1	J	0.32	7	ug/Kg
SS102EC	AL733	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.1		0.02	0.02	mg/Kg
SS102EC	AL733	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102EC	AL733	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	112		0.01	0.01	mg/Kg
SS102EC	AL733	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	3940		0	0	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL733	11/14/2000	SW8151A	ACIFLUORFEN	7.1	J	1.4	5.4	ug/Kg
SS102EC	AL734	11/14/2000	CL200.7	ALUMINUM (TOTAL)	6280		2.5	6.03	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	ARSENIC (TOTAL)	2.9		0.531	0.531	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	BARIUM (TOTAL)	9		0.637	0.637	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.03	0.0424	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	CALCIUM (TOTAL)	87.8		29	29.9	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	CHROMIUM (TOTAL)	8.1		0.14	0.149	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	COBALT (TOTAL)	2.6		0.191	0.191	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	COPPER (TOTAL)	4.2		0.318	0.318	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	IRON (TOTAL)	7760		4.21	4.97	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	LEAD (TOTAL)	6.1		0.32	0.34	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	951		26.9	26.9	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	MANGANESE (TOTAL)	54.3		0.08	0.127	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	NICKEL (TOTAL)	5.7		0.276	0.276	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	POTASSIUM (TOTAL)	383		40.8	40.8	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	VANADIUM (TOTAL)	13.2		0.255	0.255	mg/Kg
SS102EC	AL734	11/14/2000	CL200.7	ZINC (TOTAL)	10.6		0.17	0.17	mg/Kg
SS102EC	AL734	11/14/2000	CVOL	ACETONE	360	J	4.34	7	ug/Kg
SS102EC	AL734	11/14/2000	CVOL	BENZENE	1	J	0.41	7	ug/Kg
SS102EC	AL734	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	13	J	1.8	7	ug/Kg
SS102EC	AL734	11/14/2000	CVOL	TOLUENE	0.9	J	0.32	7	ug/Kg
SS102EC	AL734	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.4		0.02	0.02	mg/Kg
SS102EC	AL734	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	116		0.01	0.01	mg/Kg
SS102EC	AL734	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	4330		0	0	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	ALUMINUM (TOTAL)	7590		2.5	5.95	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	ARSENIC (TOTAL)	3.1		0.524	0.524	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	BARIUM (TOTAL)	8.7		0.629	0.629	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.03	0.0419	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	CALCIUM (TOTAL)	76.3		29	29.5	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	CHROMIUM (TOTAL)	9.1		0.14	0.147	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	COBALT (TOTAL)	3		0.189	0.189	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	COPPER (TOTAL)	4.5		0.314	0.314	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	IRON (TOTAL)	9070		4.21	4.9	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	LEAD (TOTAL)	7.3		0.32	0.335	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	974		26.6	26.6	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL735	11/14/2000	CL200.7	MANGANESE (TOTAL)	76		0.08	0.126	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	NICKEL (TOTAL)	5		0.272	0.272	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	POTASSIUM (TOTAL)	368		40.3	40.3	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	VANADIUM (TOTAL)	15		0.252	0.252	mg/Kg
SS102EC	AL735	11/14/2000	CL200.7	ZINC (TOTAL)	10.9		0.168	0.168	mg/Kg
SS102EC	AL735	11/14/2000	CVOL	ACETONE	340	J	4.34	7	ug/Kg
SS102EC	AL735	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	15	J	1.8	7	ug/Kg
SS102EC	AL735	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.9		0.02	0.02	mg/Kg
SS102EC	AL735	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.41		0.01	0.01	mg/Kg
SS102EC	AL735	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	132		0.01	0.01	mg/Kg
SS102EC	AL735	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	5650		0	0	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	ALUMINUM (TOTAL)	7910		2.5	6.06	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	ARSENIC (TOTAL)	3.3		0.533	0.533	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	BARIUM (TOTAL)	8.6		0.64	0.64	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.03	0.0427	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	CADMIUM (TOTAL)	1		0.064	0.064	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	CALCIUM (TOTAL)	79.8		29	30.1	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	CHROMIUM (TOTAL)	10.8		0.14	0.149	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	COBALT (TOTAL)	2.5		0.192	0.192	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	COPPER (TOTAL)	4.2		0.32	0.32	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	IRON (TOTAL)	9690		4.21	4.99	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	LEAD (TOTAL)	9.2		0.32	0.341	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	1070		27.1	27.1	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	MANGANESE (TOTAL)	64.6		0.08	0.128	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	NICKEL (TOTAL)	6.2		0.277	0.277	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	POTASSIUM (TOTAL)	362		41	41	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	VANADIUM (TOTAL)	14.6		0.256	0.256	mg/Kg
SS102EC	AL736	11/14/2000	CL200.7	ZINC (TOTAL)	11.2		0.171	0.171	mg/Kg
SS102EC	AL736	11/14/2000	CPEST	P,P'-DDD	8		0.25	3.8	ug/Kg
SS102EC	AL736	11/14/2000	CVOL	ACETONE	240	J	4.34	10	ug/Kg
SS102EC	AL736	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	1.8	10	ug/Kg
SS102EC	AL736	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.4		0.02	0.02	mg/Kg
SS102EC	AL736	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.16	J	0.01	0.01	mg/Kg
SS102EC	AL736	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	105		0.01	0.01	mg/Kg
SS102EC	AL736	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	4460		0	0	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL737	11/14/2000	CL200.7	ALUMINUM (TOTAL)	5250		2.5	5.27	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	ANTIMONY (TOTAL)	0.57	J	0.446	0.446	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	ARSENIC (TOTAL)	2.5		0.464	0.464	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	BARIUM (TOTAL)	9		0.557	0.557	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.03	0.0371	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	CALCIUM (TOTAL)	115		26.2	26.2	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	CHROMIUM (TOTAL)	7.8		0.13	0.13	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	COBALT (TOTAL)	2.7		0.167	0.167	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	COPPER (TOTAL)	4		0.279	0.279	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	IRON (TOTAL)	6680		4.21	4.34	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	LEAD (TOTAL)	5.1		0.297	0.297	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	1250		23.5	23.5	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	MANGANESE (TOTAL)	79.8		0.08	0.111	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	NICKEL (TOTAL)	5		0.241	0.241	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	POTASSIUM (TOTAL)	551		35.7	35.7	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	VANADIUM (TOTAL)	10.3		0.223	0.223	mg/Kg
SS102EC	AL737	11/14/2000	CL200.7	ZINC (TOTAL)	12.5		0.149	0.149	mg/Kg
SS102EC	AL737	11/14/2000	CVOL	ACETONE	240	J	4.34	8	ug/Kg
SS102EC	AL737	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	1.8	8	ug/Kg
SS102EC	AL737	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.6		0.02	0.02	mg/Kg
SS102EC	AL737	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg
SS102EC	AL737	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	115		0.01	0.01	mg/Kg
SS102EC	AL737	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	573		0	0	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	ALUMINUM (TOTAL)	6210		2.5	5.5	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	ANTIMONY (TOTAL)	1.1		0.465	0.465	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	ARSENIC (TOTAL)	2.7		0.484	0.484	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	BARIUM (TOTAL)	8		0.581	0.581	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	CADMIUM (TOTAL)	0.12		0.0581	0.0581	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	CALCIUM (TOTAL)	87.4		27.3	27.3	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	CHROMIUM (TOTAL)	7.4		0.136	0.136	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	COBALT (TOTAL)	2.2		0.174	0.174	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	COPPER (TOTAL)	4.1		0.291	0.291	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	IRON (TOTAL)	7200		4.21	4.53	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	LEAD (TOTAL)	6.7		0.31	0.31	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	871		24.6	24.6	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL738	11/14/2000	CL200.7	MANGANESE (TOTAL)	57.2		0.08	0.116	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	NICKEL (TOTAL)	4.3		0.252	0.252	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	POTASSIUM (TOTAL)	332		37.3	37.3	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	VANADIUM (TOTAL)	12		0.232	0.232	mg/Kg
SS102EC	AL738	11/14/2000	CL200.7	ZINC (TOTAL)	10		0.155	0.155	mg/Kg
SS102EC	AL738	11/14/2000	CVOL	ACETONE	220	J	4.34	8	ug/Kg
SS102EC	AL738	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	1.8	8	ug/Kg
SS102EC	AL738	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	9.3		0.02	0.02	mg/Kg
SS102EC	AL738	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.07		0.01	0.01	mg/Kg
SS102EC	AL738	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	122		0.01	0.01	mg/Kg
SS102EC	AL738	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	9910		0	0	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	ALUMINUM (TOTAL)	5840		2.5	5.68	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	ANTIMONY (TOTAL)	0.72	J	0.48	0.48	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	ARSENIC (TOTAL)	2.7		0.5	0.5	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	BARIUM (TOTAL)	8.2		0.6	0.6	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.03	0.04	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	CADMIUM (TOTAL)	0.21		0.06	0.06	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	CALCIUM (TOTAL)	59	J	28.2	28.2	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	CHROMIUM (TOTAL)	7.5		0.14	0.14	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	COBALT (TOTAL)	2.5		0.18	0.18	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	COPPER (TOTAL)	5.5		0.3	0.3	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	IRON (TOTAL)	7980		4.21	4.68	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	LEAD (TOTAL)	6.5		0.32	0.32	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	846		25.3	25.3	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	MANGANESE (TOTAL)	54.6		0.08	0.12	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	NICKEL (TOTAL)	4.7		0.26	0.26	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	POTASSIUM (TOTAL)	370		38.5	38.5	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	VANADIUM (TOTAL)	13.4		0.24	0.24	mg/Kg
SS102EC	AL739	11/14/2000	CL200.7	ZINC (TOTAL)	10.9		0.16	0.16	mg/Kg
SS102EC	AL739	11/14/2000	CL245.5	MERCURY	0.07	J	0.0434	0.0547	mg/Kg
SS102EC	AL739	11/14/2000	CVOL	ACETONE	270	J	4.34	10	ug/Kg
SS102EC	AL739	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	1.8	10	ug/Kg
SS102EC	AL739	11/14/2000	CVOL	TOLUENE	1	J	0.32	10	ug/Kg
SS102EC	AL739	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.9		0.02	0.02	mg/Kg
SS102EC	AL739	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL739	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	124		0.01	0.01	mg/Kg
SS102EC	AL739	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	4860		0	0	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	ALUMINUM (TOTAL)	6280		2.5	5.77	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	ARSENIC (TOTAL)	2.5		0.508	0.508	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	BARIUM (TOTAL)	10		0.609	0.609	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.03	0.0406	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	CADMIUM (TOTAL)	0.16		0.0609	0.0609	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	CALCIUM (TOTAL)	84.1		28.6	28.6	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	CHROMIUM (TOTAL)	7.7		0.14	0.142	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	COBALT (TOTAL)	2.6		0.183	0.183	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	COPPER (TOTAL)	4.5		0.305	0.305	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	IRON (TOTAL)	7680		4.21	4.75	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	LEAD (TOTAL)	6.6		0.32	0.325	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	930		25.8	25.8	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	MANGANESE (TOTAL)	61		0.08	0.122	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	NICKEL (TOTAL)	4.5		0.264	0.264	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	POTASSIUM (TOTAL)	378		39.1	39.1	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	VANADIUM (TOTAL)	12		0.244	0.244	mg/Kg
SS102EC	AL740	11/14/2000	CL200.7	ZINC (TOTAL)	10.5		0.163	0.163	mg/Kg
SS102EC	AL740	11/14/2000	CVOL	ACETONE	270	J	4.34	8	ug/Kg
SS102EC	AL740	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	1.8	8	ug/Kg
SS102EC	AL740	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.9		0.02	0.02	mg/Kg
SS102EC	AL740	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102EC	AL740	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	102		0.01	0.01	mg/Kg
SS102EC	AL740	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	1040		0	0	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	ALUMINUM (TOTAL)	6680		2.5	5.5	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	ARSENIC (TOTAL)	2.8		0.484	0.484	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	BARIUM (TOTAL)	8.5		0.581	0.581	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.03	0.0387	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	CADMIUM (TOTAL)	0.17		0.0581	0.0581	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	CALCIUM (TOTAL)	63.3		27.3	27.3	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	CHROMIUM (TOTAL)	7.8		0.136	0.136	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	COBALT (TOTAL)	2.5		0.174	0.174	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	COPPER (TOTAL)	4.2		0.291	0.291	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	IRON (TOTAL)	8060		4.21	4.53	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL741	11/14/2000	CL200.7	LEAD (TOTAL)	6.5		0.31	0.31	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	999		24.6	24.6	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	MANGANESE (TOTAL)	52.8		0.08	0.116	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	NICKEL (TOTAL)	4.4		0.252	0.252	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	POTASSIUM (TOTAL)	364		37.3	37.3	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	VANADIUM (TOTAL)	12.6		0.233	0.233	mg/Kg
SS102EC	AL741	11/14/2000	CL200.7	ZINC (TOTAL)	10.7		0.155	0.155	mg/Kg
SS102EC	AL741	11/14/2000	CVOL	ACETONE	82	J	4.34	7	ug/Kg
SS102EC	AL741	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	1.8	7	ug/Kg
SS102EC	AL741	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.8		0.02	0.02	mg/Kg
SS102EC	AL741	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.4		0.01	0.01	mg/Kg
SS102EC	AL741	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	106		0.01	0.01	mg/Kg
SS102EC	AL741	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	2290		0	0	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	ALUMINUM (TOTAL)	5670		2.5	5.88	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	ANTIMONY (TOTAL)	0.67	J	0.497	0.497	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.518	0.518	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	BARIUM (TOTAL)	6		0.621	0.621	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.13		0.03	0.0414	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	CADMIUM (TOTAL)	0.11	J	0.0621	0.0621	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	CALCIUM (TOTAL)	48.2	J	29	29.2	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	CHROMIUM (TOTAL)	6.9		0.14	0.145	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	COBALT (TOTAL)	2		0.186	0.186	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	IRON (TOTAL)	5840		4.21	4.84	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	LEAD (TOTAL)	4.5		0.32	0.331	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	667		26.2	26.2	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	MANGANESE (TOTAL)	42.1		0.08	0.124	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	NICKEL (TOTAL)	3.3		0.269	0.269	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	POTASSIUM (TOTAL)	262		39.8	39.8	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	VANADIUM (TOTAL)	10		0.248	0.248	mg/Kg
SS102EC	AL742	11/14/2000	CL200.7	ZINC (TOTAL)	7.2		0.166	0.166	mg/Kg
SS102EC	AL742	11/14/2000	CVOL	ACETONE	170	J	4.34	9	ug/Kg
SS102EC	AL742	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	9	ug/Kg
SS102EC	AL742	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.8		0.02	0.02	mg/Kg
SS102EC	AL742	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.1	J	0.01	0.01	mg/Kg
SS102EC	AL742	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	107		0.01	0.01	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL742	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	678		0	0	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	ALUMINUM (TOTAL)	3270		2.5	5.71	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	ARSENIC (TOTAL)	1.3		0.503	0.503	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	BARIUM (TOTAL)	5.7		0.604	0.604	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	BERYLLIUM (TOTAL)	0.11		0.03	0.0402	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	CADMIUM (TOTAL)	0.15		0.0604	0.0604	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	CALCIUM (TOTAL)	65		28.3	28.3	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	CHROMIUM (TOTAL)	3.8		0.14	0.141	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	COBALT (TOTAL)	1.9		0.181	0.181	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	COPPER (TOTAL)	2.7		0.302	0.302	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	IRON (TOTAL)	3830		4.21	4.71	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	LEAD (TOTAL)	4.4		0.32	0.322	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	MAGNESIUM (TOTAL)	483		25.5	25.5	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	MANGANESE (TOTAL)	62.6		0.08	0.121	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	NICKEL (TOTAL)	2.8		0.262	0.262	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	POTASSIUM (TOTAL)	179		38.7	38.7	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	VANADIUM (TOTAL)	6.2		0.241	0.241	mg/Kg
SS102EC	AL743	11/14/2000	CL200.7	ZINC (TOTAL)	6.5		0.161	0.161	mg/Kg
SS102EC	AL743	11/14/2000	CVOL	ACETONE	190	J	4.34	8	ug/Kg
SS102EC	AL743	11/14/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	8	ug/Kg
SS102EC	AL743	11/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	4		0.02	0.02	mg/Kg
SS102EC	AL743	11/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102EC	AL743	11/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	70.2		0.01	0.01	mg/Kg
SS102EC	AL743	11/14/2000	LYDKHN	TOTAL ORGANIC CARBON	4170		0	0	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	ALUMINUM (TOTAL)	6980		2.5	5.53	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.487	0.487	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	BARIUM (TOTAL)	8.3		0.585	0.585	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.03	0.039	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	CALCIUM (TOTAL)	64.4		27.4	27.4	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	CHROMIUM (TOTAL)	7.7		0.136	0.136	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	COBALT (TOTAL)	2.4		0.175	0.175	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	COPPER (TOTAL)	4		0.292	0.292	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	IRON (TOTAL)	7350		4.21	4.56	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	LEAD (TOTAL)	6.4		0.312	0.312	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	MAGNESIUM (TOTAL)	700		24.7	24.7	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL744	11/15/2000	CL200.7	MANGANESE (TOTAL)	42.8		0.08	0.117	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	MOLYBDENUM (TOTAL)	0.55		0.253	0.253	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	NICKEL (TOTAL)	3.7		0.253	0.253	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	POTASSIUM (TOTAL)	331		37.5	37.5	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	SELENIUM (TOTAL)	0.51	J	0.448	0.448	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	THALLIUM (TOTAL)	0.75		0.37	0.37	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	VANADIUM (TOTAL)	12.9		0.234	0.234	mg/Kg
SS102EC	AL744	11/15/2000	CL200.7	ZINC (TOTAL)	9	J	0.156	0.156	mg/Kg
SS102EC	AL744	11/15/2000	CVOL	ACETONE	270	J	4.34	7	ug/Kg
SS102EC	AL744	11/15/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	1.8	7	ug/Kg
SS102EC	AL744	11/15/2000	CVOL	TOLUENE	0.8	J	0.32	7	ug/Kg
SS102EC	AL744	11/15/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.6	J	0.02	0.02	mg/Kg
SS102EC	AL744	11/15/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg
SS102EC	AL744	11/15/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	98.2		0.01	0.01	mg/Kg
SS102EC	AL744	11/15/2000	LYDKHN	TOTAL ORGANIC CARBON	5670		0	0	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	ALUMINUM (TOTAL)	6200		2.5	5.39	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	ANTIMONY (TOTAL)	0.59	J	0.456	0.456	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	ARSENIC (TOTAL)	2	J	0.475	0.475	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	BARIUM (TOTAL)	9.5		0.57	0.57	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.03	0.038	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	CALCIUM (TOTAL)	104		26.8	26.8	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	CHROMIUM (TOTAL)	7.3		0.133	0.133	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	COBALT (TOTAL)	2.4		0.171	0.171	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	COPPER (TOTAL)	5		0.285	0.285	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	IRON (TOTAL)	7460		4.21	4.44	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	LEAD (TOTAL)	7		0.304	0.304	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	MAGNESIUM (TOTAL)	819		24.1	24.1	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	MANGANESE (TOTAL)	48		0.08	0.114	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	MOLYBDENUM (TOTAL)	0.29	J	0.247	0.247	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	NICKEL (TOTAL)	3.7		0.247	0.247	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	POTASSIUM (TOTAL)	361		36.5	36.5	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	THALLIUM (TOTAL)	0.69	J	0.361	0.361	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	VANADIUM (TOTAL)	12.2		0.228	0.228	mg/Kg
SS102EC	AL745	11/15/2000	CL200.7	ZINC (TOTAL)	9.6	J	0.152	0.152	mg/Kg
SS102EC	AL745	11/15/2000	CVOL	ACETONE	130	J	4.34	7	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL745	11/15/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	1.8	7	ug/Kg
SS102EC	AL745	11/15/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	0.02	0.02	mg/Kg
SS102EC	AL745	11/15/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.1		0.01	0.01	mg/Kg
SS102EC	AL745	11/15/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	84.8		0.01	0.01	mg/Kg
SS102EC	AL745	11/15/2000	LYDKHN	TOTAL ORGANIC CARBON	6490		0	0	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	ALUMINUM (TOTAL)	5220		2.5	5.42	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	ARSENIC (TOTAL)	1.6	J	0.477	0.477	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	BARIUM (TOTAL)	7.2		0.573	0.573	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.03	0.0382	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	CALCIUM (TOTAL)	61.5		26.9	26.9	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	CHROMIUM (TOTAL)	6		0.134	0.134	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	COBALT (TOTAL)	2		0.172	0.172	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	COPPER (TOTAL)	3.8		0.286	0.286	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	IRON (TOTAL)	6820		4.21	4.47	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	LEAD (TOTAL)	5.1		0.305	0.305	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	MAGNESIUM (TOTAL)	727		24.2	24.2	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	MANGANESE (TOTAL)	51.7		0.08	0.115	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	NICKEL (TOTAL)	3.4		0.248	0.248	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	POTASSIUM (TOTAL)	340		36.7	36.7	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	VANADIUM (TOTAL)	10.2		0.229	0.229	mg/Kg
SS102EC	AL746	11/15/2000	CL200.7	ZINC (TOTAL)	9.1	J	0.153	0.153	mg/Kg
SS102EC	AL746	11/15/2000	CVOL	ACETONE	130	J	4.34	8	ug/Kg
SS102EC	AL746	11/15/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	8	ug/Kg
SS102EC	AL746	11/15/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.3	J	0.02	0.02	mg/Kg
SS102EC	AL746	11/15/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.16		0.01	0.01	mg/Kg
SS102EC	AL746	11/15/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	72.6		0.01	0.01	mg/Kg
SS102EC	AL746	11/15/2000	LYDKHN	TOTAL ORGANIC CARBON	1070		0	0	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	ALUMINUM (TOTAL)	3720		2.5	5.79	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	ARSENIC (TOTAL)	2	J	0.509	0.509	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	BARIUM (TOTAL)	5.4		0.611	0.611	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.03	0.0407	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	CALCIUM (TOTAL)	45.6	J	28.7	28.7	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	CHROMIUM (TOTAL)	4.3		0.14	0.143	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	COBALT (TOTAL)	1.3		0.183	0.183	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	COPPER (TOTAL)	2.2		0.306	0.306	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL747	11/15/2000	CL200.7	IRON (TOTAL)	4720		4.21	4.77	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	LEAD (TOTAL)	59.5		0.32	0.326	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	MAGNESIUM (TOTAL)	343		25.8	25.8	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	MANGANESE (TOTAL)	29.6		0.08	0.122	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	NICKEL (TOTAL)	2		0.265	0.265	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	POTASSIUM (TOTAL)	220		39.2	39.2	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	SELENIUM (TOTAL)	0.6	J	0.469	0.469	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	THALLIUM (TOTAL)	0.44	J	0.387	0.387	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	VANADIUM (TOTAL)	8.8		0.245	0.245	mg/Kg
SS102EC	AL747	11/15/2000	CL200.7	ZINC (TOTAL)	4.6	J	0.163	0.163	mg/Kg
SS102EC	AL747	11/15/2000	CVOL	ACETONE	73	J	4.34	7	ug/Kg
SS102EC	AL747	11/15/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	1.8	7	ug/Kg
SS102EC	AL747	11/15/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.9	J	0.02	0.02	mg/Kg
SS102EC	AL747	11/15/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102EC	AL747	11/15/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	69.6		0.01	0.01	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	ALUMINUM (TOTAL)	3910		2.5	5.7	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	ARSENIC (TOTAL)	1.3	J	0.502	0.502	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	BARIUM (TOTAL)	6.6		0.602	0.602	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.03	0.0402	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	CALCIUM (TOTAL)	113		28.3	28.3	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	CHROMIUM (TOTAL)	4.5		0.14	0.141	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	COBALT (TOTAL)	2		0.181	0.181	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	COPPER (TOTAL)	3.7		0.301	0.301	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	IRON (TOTAL)	6020		4.21	4.7	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	LEAD (TOTAL)	4.1		0.32	0.321	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	MAGNESIUM (TOTAL)	786		25.5	25.5	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	MANGANESE (TOTAL)	56.3		0.08	0.121	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	NICKEL (TOTAL)	3		0.261	0.261	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	POTASSIUM (TOTAL)	277		38.6	38.6	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	VANADIUM (TOTAL)	8.7		0.241	0.241	mg/Kg
SS102EC	AL748	11/15/2000	CL200.7	ZINC (TOTAL)	9.2	J	0.161	0.161	mg/Kg
SS102EC	AL748	11/15/2000	CVOL	ACETONE	160	J	4.34	7	ug/Kg
SS102EC	AL748	11/15/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	7	ug/Kg
SS102EC	AL748	11/15/2000	CVOL	TOLUENE	1	J	0.32	7	ug/Kg
SS102EC	AL748	11/15/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.8	J	0.02	0.02	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EC	AL748	11/15/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102EC	AL748	11/15/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	68.9		0.01	0.01	mg/Kg
SS102EC	AL748	11/15/2000	LYDKHN	TOTAL ORGANIC CARBON	2270		0	0	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	ALUMINUM (TOTAL)	8110		1.6	1.6	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	ARSENIC (TOTAL)	3.1		0.8	0.8	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	BARIUM (TOTAL)	10.5		1.9	1.9	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	BERYLLIUM (TOTAL)	0.3		0.04	0.04	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	BORON (TOTAL)	3.1		0.45	0.45	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	CADMIUM (TOTAL)	0.2		0.04	0.04	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	CALCIUM (TOTAL)	155		65.7	65.7	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	CHROMIUM (TOTAL)	10.1		0.25	0.25	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	COBALT (TOTAL)	2.3		0.29	0.29	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	COPPER (TOTAL)	3.8		0.8	0.91	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	IRON (TOTAL)	8770		3.7	3.7	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	LEAD (TOTAL)	8.5		0.12	0.12	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	MAGNESIUM (TOTAL)	1100		40.1	40.1	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	MANGANESE (TOTAL)	48.6		0.29	0.29	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	MOLYBDENUM (TOTAL)	0.57		0.19	0.19	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	NICKEL (TOTAL)	5.5		0.41	0.41	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	POTASSIUM (TOTAL)	558		24.1	24.1	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	SELENIUM (TOTAL)	0.51		0.25	0.25	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	VANADIUM (TOTAL)	17.2		0.43	0.43	mg/Kg
SS102ED	AT421	10/16/2001	CL200.7	ZINC (TOTAL)	12		0.19	0.19	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	ALUMINUM (TOTAL)	8980		1.6	1.6	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	ARSENIC (TOTAL)	2.7		0.81	0.81	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	BARIUM (TOTAL)	10.1		1.9	1.9	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	BERYLLIUM (TOTAL)	0.3		0.04	0.04	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	BORON (TOTAL)	3.2		0.46	0.46	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	CADMIUM (TOTAL)	0.19		0.04	0.04	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	CALCIUM (TOTAL)	118	J	66.4	66.4	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	CHROMIUM (TOTAL)	10.1		0.25	0.25	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	COBALT (TOTAL)	2.6		0.29	0.29	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	COPPER (TOTAL)	2.4		0.8	0.92	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	IRON (TOTAL)	9810		3.7	3.7	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	LEAD (TOTAL)	5.9		0.12	0.12	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102ED	AT422	10/16/2001	CL200.7	MAGNESIUM (TOTAL)	1200		40.5	40.5	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	MANGANESE (TOTAL)	84.4		0.29	0.29	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	MOLYBDENUM (TOTAL)	0.54		0.19	0.19	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	NICKEL (TOTAL)	5.8		0.42	0.42	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	POTASSIUM (TOTAL)	467		24.4	24.4	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	SELENIUM (TOTAL)	0.53		0.25	0.25	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	VANADIUM (TOTAL)	15.4		0.44	0.44	mg/Kg
SS102ED	AT422	10/16/2001	CL200.7	ZINC (TOTAL)	12.6		0.19	0.19	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	ALUMINUM (TOTAL)	7940		1.4	1.4	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	ARSENIC (TOTAL)	3.1		0.73	0.73	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	BARIUM (TOTAL)	9.6		1.7	1.7	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	BERYLLIUM (TOTAL)	0.31		0.04	0.04	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	BORON (TOTAL)	2.8		0.41	0.41	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	CADMIUM (TOTAL)	0.32		0.04	0.04	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	CALCIUM (TOTAL)	96	J	59.7	59.7	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	CHROMIUM (TOTAL)	13.2		0.22	0.22	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	COBALT (TOTAL)	2.4		0.26	0.26	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	COPPER (TOTAL)	4.6		0.8	0.82	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	IRON (TOTAL)	8760		3.4	3.4	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	LEAD (TOTAL)	8.7		0.11	0.11	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	MAGNESIUM (TOTAL)	980		36.4	36.4	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	MANGANESE (TOTAL)	48		0.26	0.26	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	MOLYBDENUM (TOTAL)	2		0.17	0.17	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	NICKEL (TOTAL)	23.3		0.37	0.37	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	POTASSIUM (TOTAL)	480		21.9	21.9	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	VANADIUM (TOTAL)	14.8		0.39	0.39	mg/Kg
SS102ED	AT423	10/16/2001	CL200.7	ZINC (TOTAL)	10.9		0.17	0.17	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	ALUMINUM (TOTAL)	9550		1.7	1.7	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	ARSENIC (TOTAL)	2.7		0.84	0.84	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	BARIUM (TOTAL)	8.9		1.9	1.9	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	BERYLLIUM (TOTAL)	0.31		0.04	0.04	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	BORON (TOTAL)	3.1		0.47	0.47	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	CADMIUM (TOTAL)	0.19		0.04	0.04	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	CALCIUM (TOTAL)	91.3	J	68.5	68.5	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	CHROMIUM (TOTAL)	9.6		0.26	0.26	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102ED	AT424	10/16/2001	CL200.7	COBALT (TOTAL)	2.1		0.3	0.3	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	COPPER (TOTAL)	1.5	J	0.8	0.94	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	IRON (TOTAL)	8840		3.9	3.9	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	LEAD (TOTAL)	5		0.13	0.13	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	MAGNESIUM (TOTAL)	836		41.8	41.8	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	MANGANESE (TOTAL)	36.3		0.3	0.3	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	MOLYBDENUM (TOTAL)	0.38	J	0.19	0.19	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	NICKEL (TOTAL)	4.4		0.43	0.43	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	POTASSIUM (TOTAL)	414		25.1	25.1	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	SELENIUM (TOTAL)	0.36	J	0.26	0.26	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	VANADIUM (TOTAL)	16.2		0.45	0.45	mg/Kg
SS102ED	AT424	10/16/2001	CL200.7	ZINC (TOTAL)	9		0.19	0.19	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	ALUMINUM (TOTAL)	6640		1.6	1.6	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	ARSENIC (TOTAL)	2.2		0.82	0.82	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	BARIUM (TOTAL)	8.9		1.9	1.9	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	BERYLLIUM (TOTAL)	0.2		0.04	0.04	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	BORON (TOTAL)	3		0.46	0.46	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	CADMIUM (TOTAL)	0.24		0.04	0.04	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	CALCIUM (TOTAL)	176		67.3	67.3	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	CHROMIUM (TOTAL)	8.2		0.25	0.25	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	COBALT (TOTAL)	2.1		0.3	0.3	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	COPPER (TOTAL)	6.3		0.8	0.93	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	IRON (TOTAL)	7700		3.8	3.8	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	LEAD (TOTAL)	11.1		0.13	0.13	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	MAGNESIUM (TOTAL)	833		41	41	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	MANGANESE (TOTAL)	43.1		0.3	0.3	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	MOLYBDENUM (TOTAL)	0.59		0.19	0.19	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	NICKEL (TOTAL)	4.5		0.42	0.42	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	POTASSIUM (TOTAL)	480		24.7	24.7	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	SELENIUM (TOTAL)	0.37	J	0.25	0.25	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	VANADIUM (TOTAL)	15.8		0.44	0.44	mg/Kg
SS102EE	AT425	10/16/2001	CL200.7	ZINC (TOTAL)	10		0.19	0.19	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	ALUMINUM (TOTAL)	6340		1.5	1.5	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	ARSENIC (TOTAL)	3.2		0.77	0.77	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	BARIUM (TOTAL)	10.5		1.8	1.8	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EE	AT426	10/16/2001	CL200.7	BERYLLIUM (TOTAL)	0.18		0.04	0.04	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	BORON (TOTAL)	2.9		0.44	0.44	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	CADMIUM (TOTAL)	0.25		0.04	0.04	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	CALCIUM (TOTAL)	244		63.3	63.3	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	CHROMIUM (TOTAL)	7.9		0.24	0.24	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	COBALT (TOTAL)	2.5		0.28	0.28	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	COPPER (TOTAL)	4.2		0.8	0.87	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	IRON (TOTAL)	8640		3.6	3.6	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	LEAD (TOTAL)	8.3		0.12	0.12	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	MAGNESIUM (TOTAL)	1190		38.6	38.6	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	MANGANESE (TOTAL)	67.1		0.28	0.28	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	MOLYBDENUM (TOTAL)	0.36		0.18	0.18	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	NICKEL (TOTAL)	4.6		0.4	0.4	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	POTASSIUM (TOTAL)	547		23.2	23.2	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	VANADIUM (TOTAL)	15.4		0.42	0.42	mg/Kg
SS102EE	AT426	10/16/2001	CL200.7	ZINC (TOTAL)	13		0.18	0.18	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	ALUMINUM (TOTAL)	10300		1.5	1.5	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	ARSENIC (TOTAL)	2.9		0.75	0.75	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	BARIUM (TOTAL)	11.3		1.7	1.7	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	BERYLLIUM (TOTAL)	0.3		0.04	0.04	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	BORON (TOTAL)	3.8		0.42	0.42	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	CADMIUM (TOTAL)	0.13		0.04	0.04	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	CALCIUM (TOTAL)	153		61.5	61.5	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	CHROMIUM (TOTAL)	11.4		0.23	0.23	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	COBALT (TOTAL)	2.8		0.27	0.27	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	COPPER (TOTAL)	3.3		0.8	0.85	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	IRON (TOTAL)	8370		3.5	3.5	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	LEAD (TOTAL)	6.2		0.12	0.12	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	MAGNESIUM (TOTAL)	1280		37.5	37.5	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	MANGANESE (TOTAL)	49.9		0.27	0.27	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	MOLYBDENUM (TOTAL)	0.46		0.17	0.17	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	NICKEL (TOTAL)	5.3		0.39	0.39	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	POTASSIUM (TOTAL)	617		22.6	22.6	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	SELENIUM (TOTAL)	0.35	J	0.23	0.23	mg/Kg
SS102EE	AT427	10/16/2001	CL200.7	VANADIUM (TOTAL)	16.9		0.4	0.4	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102EE	AT427	10/16/2001	CL200.7	ZINC (TOTAL)	14.1		0.17	0.17	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	ALUMINUM (TOTAL)	8140		1.7	1.7	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	ARSENIC (TOTAL)	2.6		0.84	0.84	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	BARIUM (TOTAL)	12.9		1.9	1.9	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	BERYLLIUM (TOTAL)	0.42		0.04	0.04	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	BORON (TOTAL)	4.8		0.47	0.47	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	CADMIUM (TOTAL)	0.15		0.04	0.04	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	CALCIUM (TOTAL)	165		68.8	68.8	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	CHROMIUM (TOTAL)	11.7		0.26	0.26	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	COBALT (TOTAL)	3.9		0.3	0.3	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	COPPER (TOTAL)	4.3		0.8	0.95	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	IRON (TOTAL)	9840		3.9	3.9	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	LEAD (TOTAL)	5.5		0.13	0.13	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	MAGNESIUM (TOTAL)	1640		42	42	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	MANGANESE (TOTAL)	71.1		0.3	0.3	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	MOLYBDENUM (TOTAL)	0.36	J	0.19	0.19	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	NICKEL (TOTAL)	5.6		0.43	0.43	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	POTASSIUM (TOTAL)	872		25.2	25.2	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	VANADIUM (TOTAL)	16.2		0.45	0.45	mg/Kg
SS102EE	AT428	10/16/2001	CL200.7	ZINC (TOTAL)	14.6		0.19	0.19	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	ALUMINUM (TOTAL)	15900		4.7	4.7	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	ARSENIC (TOTAL)	4.5		1	1.1	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	BARIUM (TOTAL)	21.5		1.1	1.1	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	BERYLLIUM (TOTAL)	0.4		0.05	0.05	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	CALCIUM (TOTAL)	225		46.9	46.9	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	CHROMIUM (TOTAL)	16.8		0.3	0.49	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	COBALT (TOTAL)	3.1		0.9	0.9	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	COPPER (TOTAL)	6.8	J	0.67	0.67	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	IRON (TOTAL)	15900		5	5	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	LEAD (TOTAL)	21.5		0.23	0.23	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	MAGNESIUM (TOTAL)	1360		58.3	58.3	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	MANGANESE (TOTAL)	62.7		0.23	0.23	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	MOLYBDENUM (TOTAL)	0.54	J	0.44	0.44	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	NICKEL (TOTAL)	7.1		0.9	0.9	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	POTASSIUM (TOTAL)	686		49.7	49.7	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VK	AX586	1/15/2002	CL200.7	SELENIUM (TOTAL)	0.65	J	0.52	0.52	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	VANADIUM (TOTAL)	30.3	J	0.54	0.54	mg/Kg
SS102VK	AX586	1/15/2002	CL200.7	ZINC (TOTAL)	18.3		0.52	0.52	mg/Kg
SS102VK	AX586	1/15/2002	CPEST	P,P'-DDE	3	J	0.523	4.6	ug/Kg
SS102VK	AX586	1/15/2002	CPEST	P,P'-DDT	2.4	J	1.63	4.6	ug/Kg
SS102VK	AX586	1/15/2002	CVOL	ACETONE	160	J	3.81	10	ug/Kg
SS102VK	AX586	1/15/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	3.6	10	ug/Kg
SS102VK	AX586	1/15/2002	E350.2	NITROGEN, AMMONIA (AS N)	19.9	J	1.5	3.3	mg/Kg
SS102VK	AX586	1/15/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.054		0.0043	0.014	mg/Kg
SS102VK	AX586	1/15/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	153		1	2.3	mg/Kg
SS102VK	AX586	1/15/2002	LYDKHN	TOTAL ORGANIC CARBON	37200		0	0	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	ALUMINUM (TOTAL)	19500		4.5	4.5	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	ARSENIC (TOTAL)	4.4		1	1	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	BARIUM (TOTAL)	23		1.1	1.1	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	BERYLLIUM (TOTAL)	0.4		0.05	0.05	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	CALCIUM (TOTAL)	242		45.2	45.2	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	CHROMIUM (TOTAL)	21.8		0.3	0.47	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	COBALT (TOTAL)	4.1		0.87	0.87	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	COPPER (TOTAL)	5.2	J	0.65	0.65	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	IRON (TOTAL)	17000		4.8	4.8	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	LEAD (TOTAL)	11.2		0.22	0.22	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	MAGNESIUM (TOTAL)	1910		56.1	56.1	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	MANGANESE (TOTAL)	74.9		0.22	0.22	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	MOLYBDENUM (TOTAL)	0.47	J	0.42	0.42	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	NICKEL (TOTAL)	9.1		0.87	0.87	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	POTASSIUM (TOTAL)	914		47.9	47.9	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	SELENIUM (TOTAL)	0.98	J	0.5	0.5	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	VANADIUM (TOTAL)	32	J	0.52	0.52	mg/Kg
SS102VK	AX587	1/15/2002	CL200.7	ZINC (TOTAL)	20.1		0.5	0.5	mg/Kg
SS102VK	AX587	1/15/2002	CVOL	ACETONE	290	J	3.81	12	ug/Kg
SS102VK	AX587	1/15/2002	CVOL	BROMOMETHANE	1	J	1	12	ug/Kg
SS102VK	AX587	1/15/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	22	J	3.6	12	ug/Kg
SS102VK	AX587	1/15/2002	CVOL	TOLUENE	1	J	1	12	ug/Kg
SS102VK	AX587	1/15/2002	E350.2	NITROGEN, AMMONIA (AS N)	17.1	J	1.5	3	mg/Kg
SS102VK	AX587	1/15/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.55		0.0043	0.013	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VK	AX587	1/15/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	141		1	2.5	mg/Kg
SS102VK	AX587	1/15/2002	LYDKHN	TOTAL ORGANIC CARBON	13800		0	0	mg/Kg
SS102VK	AX587	1/15/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	25	J	25	440	ug/Kg
SS102VK	AX588	1/15/2002	CL200.7	ALUMINUM (TOTAL)	18300		3.8	3.8	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	ARSENIC (TOTAL)	5.8		0.88	0.88	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	BARIUM (TOTAL)	22.5		0.9	0.9	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	BERYLLIUM (TOTAL)	0.45		0.04	0.04	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	CALCIUM (TOTAL)	238		38.2	38.2	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	CHROMIUM (TOTAL)	21.5		0.3	0.4	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	COBALT (TOTAL)	4.7		0.74	0.74	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	COPPER (TOTAL)	6.4	J	0.55	0.55	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	IRON (TOTAL)	18900		4.1	4.1	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	LEAD (TOTAL)	12.3		0.19	0.19	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	MAGNESIUM (TOTAL)	2360		47.4	47.4	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	MANGANESE (TOTAL)	86.6		0.19	0.19	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	MOLYBDENUM (TOTAL)	0.51	J	0.36	0.36	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	NICKEL (TOTAL)	9.4		0.74	0.74	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	POTASSIUM (TOTAL)	1010		40.5	40.5	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	SELENIUM (TOTAL)	0.91		0.42	0.42	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	VANADIUM (TOTAL)	31.8	J	0.44	0.44	mg/Kg
SS102VK	AX588	1/15/2002	CL200.7	ZINC (TOTAL)	22.5		0.42	0.42	mg/Kg
SS102VK	AX588	1/15/2002	CVOL	ACETONE	290	J	3.81	16	ug/Kg
SS102VK	AX588	1/15/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	24	J	3.6	16	ug/Kg
SS102VK	AX588	1/15/2002	E350.2	NITROGEN, AMMONIA (AS N)	13.7	J	1.5	2.9	mg/Kg
SS102VK	AX588	1/15/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.18		0.0043	0.013	mg/Kg
SS102VK	AX588	1/15/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	149		1	2.3	mg/Kg
SS102VK	AX588	1/15/2002	LYDKHN	TOTAL ORGANIC CARBON	2680		0	0	mg/Kg
SS102VK	AX588	1/15/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	420	ug/Kg
SS102VL	AX589	1/15/2002	CL200.7	ALUMINUM (TOTAL)	15700		4.3	4.3	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	ARSENIC (TOTAL)	3.5		0.98	0.98	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	BARIUM (TOTAL)	22.3		1	1	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	BERYLLIUM (TOTAL)	0.36		0.05	0.05	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	CALCIUM (TOTAL)	312		42.5	42.5	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	CHROMIUM (TOTAL)	17.1		0.3	0.44	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	COBALT (TOTAL)	3.2		0.82	0.82	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VL	AX589	1/15/2002	CL200.7	COPPER (TOTAL)	5.9	J	0.61	0.61	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	IRON (TOTAL)	15700		4.5	4.5	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	LEAD (TOTAL)	15		0.21	0.21	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	MAGNESIUM (TOTAL)	1480		52.8	52.8	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	MANGANESE (TOTAL)	72.3		0.21	0.21	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	MOLYBDENUM (TOTAL)	0.5	J	0.4	0.4	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	NICKEL (TOTAL)	7.3		0.82	0.82	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	POTASSIUM (TOTAL)	827		45.1	45.1	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	SELENIUM (TOTAL)	1.3		0.47	0.47	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	VANADIUM (TOTAL)	33	J	0.49	0.49	mg/Kg
SS102VL	AX589	1/15/2002	CL200.7	ZINC (TOTAL)	21		0.47	0.47	mg/Kg
SS102VL	AX589	1/15/2002	CPEST	P,P'-DDE	2.3	J	0.523	4.6	ug/Kg
SS102VL	AX589	1/15/2002	CVOL	ACETONE	220	J	3.81	12	ug/Kg
SS102VL	AX589	1/15/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	18	J	3.6	12	ug/Kg
SS102VL	AX589	1/15/2002	CVOL	TOLUENE	2	J	2	12	ug/Kg
SS102VL	AX589	1/15/2002	E350.2	NITROGEN, AMMONIA (AS N)	40.5		1.5	3.4	mg/Kg
SS102VL	AX589	1/15/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.11		0.0043	0.014	mg/Kg
SS102VL	AX589	1/15/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	173		1	2.8	mg/Kg
SS102VL	AX589	1/15/2002	LYDKHN	TOTAL ORGANIC CARBON	28400		0	0	mg/Kg
SS102VL	AX589	1/15/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	460	ug/Kg
SS102VL	AX590	1/15/2002	CL200.7	ALUMINUM (TOTAL)	17000		4.7	4.7	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	ARSENIC (TOTAL)	4.9		1	1.1	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	BARIUM (TOTAL)	24.1		1.1	1.1	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	BERYLLIUM (TOTAL)	0.36	J	0.05	0.05	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	CALCIUM (TOTAL)	249		46.5	46.5	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	CHROMIUM (TOTAL)	18.5		0.3	0.49	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	COBALT (TOTAL)	3.6		0.9	0.9	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	COPPER (TOTAL)	6.7	J	0.67	0.67	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	IRON (TOTAL)	16900		5	5	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	LEAD (TOTAL)	13.7		0.23	0.23	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	MAGNESIUM (TOTAL)	1590		57.7	57.7	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	MANGANESE (TOTAL)	74.3		0.23	0.23	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	NICKEL (TOTAL)	7.4		0.9	0.9	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	POTASSIUM (TOTAL)	878		49.3	49.3	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	SELENIUM (TOTAL)	0.53	J	0.51	0.51	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VL	AX590	1/15/2002	CL200.7	VANADIUM (TOTAL)	31.5	J	0.54	0.54	mg/Kg
SS102VL	AX590	1/15/2002	CL200.7	ZINC (TOTAL)	18.8		0.51	0.51	mg/Kg
SS102VL	AX590	1/15/2002	CPEST	P,P'-DDE	3.1	J	0.523	4.6	ug/Kg
SS102VL	AX590	1/15/2002	CPEST	P,P'-DDT	3.1	J	1.63	4.6	ug/Kg
SS102VL	AX590	1/15/2002	CVOL	ACETONE	290	J	3.81	12	ug/Kg
SS102VL	AX590	1/15/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	25	J	3.6	12	ug/Kg
SS102VL	AX590	1/15/2002	E350.2	NITROGEN, AMMONIA (AS N)	16.8	J	1.5	3.3	mg/Kg
SS102VL	AX590	1/15/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.37		0.0043	0.014	mg/Kg
SS102VL	AX590	1/15/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	142		1	2.3	mg/Kg
SS102VL	AX590	1/15/2002	LYDKHN	TOTAL ORGANIC CARBON	27600		0	0	mg/Kg
SS102VL	AX590	1/15/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	27	J	27	460	ug/Kg
SS102VL	AX591	1/15/2002	CL200.7	ALUMINUM (TOTAL)	16900		4.7	4.7	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	ARSENIC (TOTAL)	4.7		1	1.1	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	BARIUM (TOTAL)	22.6		1.1	1.1	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	BERYLLIUM (TOTAL)	0.38		0.05	0.05	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	CALCIUM (TOTAL)	228		46.5	46.5	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	CHROMIUM (TOTAL)	17.5		0.3	0.49	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	COBALT (TOTAL)	3.4		0.9	0.9	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	COPPER (TOTAL)	6.6	J	0.67	0.67	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	IRON (TOTAL)	16700		5	5	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	LEAD (TOTAL)	14.1		0.23	0.23	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	MAGNESIUM (TOTAL)	1440		57.8	57.8	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	MANGANESE (TOTAL)	69.5		0.23	0.23	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	MOLYBDENUM (TOTAL)	0.79	J	0.44	0.44	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	NICKEL (TOTAL)	6.9		0.9	0.9	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	POTASSIUM (TOTAL)	802		49.3	49.3	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	SELENIUM (TOTAL)	1.1		0.51	0.51	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	VANADIUM (TOTAL)	31	J	0.54	0.54	mg/Kg
SS102VL	AX591	1/15/2002	CL200.7	ZINC (TOTAL)	17.5		0.51	0.51	mg/Kg
SS102VL	AX591	1/15/2002	CPEST	P,P'-DDE	2.3	J	0.523	4.5	ug/Kg
SS102VL	AX591	1/15/2002	CPEST	P,P'-DDT	2.7	J	1.63	4.5	ug/Kg
SS102VL	AX591	1/15/2002	CVOL	ACETONE	280	J	3.81	12	ug/Kg
SS102VL	AX591	1/15/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	20	J	3.6	12	ug/Kg
SS102VL	AX591	1/15/2002	CVOL	TOLUENE	1	J	1	12	ug/Kg
SS102VL	AX591	1/15/2002	E350.2	NITROGEN, AMMONIA (AS N)	35.3	J	1.5	3.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102VL	AX591	1/15/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.4		0.0043	0.014	mg/Kg
SS102VL	AX591	1/15/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	137		1	2.4	mg/Kg
SS102VL	AX591	1/15/2002	LYDKHN	TOTAL ORGANIC CARBON	21100		0	0	mg/Kg
SS102VL	AX591	1/15/2002	SW8270	BENZOIC ACID	170	J	170	1100	ug/Kg
SS102VL	AX591	1/15/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	450	ug/Kg
SS102W1	AQ226	5/18/2001	CL200.7	ALUMINUM (TOTAL)	16700		5.3	9.8	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	ANTIMONY (TOTAL)	1.3	J	0.73	0.73	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	ARSENIC (TOTAL)	9.4		0.9	1.5	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	BARIUM (TOTAL)	17.6		0.84	0.84	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	BORON (TOTAL)	14.4		1.2	1.9	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	CADMIUM (TOTAL)	0.71		0.05	0.05	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	CHROMIUM (TOTAL)	26.5		0.2	1	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	COBALT (TOTAL)	3.9		0.28	0.28	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	COPPER (TOTAL)	20.5		0.59	0.59	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	IRON (TOTAL)	26600		3.5	14.5	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	LEAD (TOTAL)	19.2	J	0.2	0.3	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	MAGNESIUM (TOTAL)	1390		82.5	156	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	MANGANESE (TOTAL)	95.7		0.07	0.07	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	MOLYBDENUM (TOTAL)	3.4		0.28	0.28	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	NICKEL (TOTAL)	15.4		0.7	1.8	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	POTASSIUM (TOTAL)	595		100	279	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	VANADIUM (TOTAL)	27.4		0.33	0.33	mg/Kg
SS102W1	AQ226	5/18/2001	CL200.7	ZINC (TOTAL)	30		0.4	1.1	mg/Kg
SS102W1	AQ226	5/18/2001	CPEST	P,P'-DDT	2.1	J	1.63	4.2	ug/Kg
SS102W1	AQ226	5/18/2001	CVOL	ACETONE	68	J	4.04	7	ug/Kg
SS102W1	AQ226	5/18/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	7	ug/Kg
SS102W1	AQ226	5/18/2001	E350.2	NITROGEN, AMMONIA (AS N)	13.1	J	1.5	2.9	mg/Kg
SS102W1	AQ226	5/18/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.18		0.0043	0.01	mg/Kg
SS102W1	AQ226	5/18/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	105		1	2.01	mg/Kg
SS102W1	AQ226	5/18/2001	LYDKHN	TOTAL ORGANIC CARBON	23600		0	0	mg/Kg
SS102W1	AQ226	5/18/2001	SW8270	BENZOIC ACID	170	J	170	1000	ug/Kg
SS102W1	AQ226	5/18/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19	J	19	410	ug/Kg
SS102W1	AQ226	5/18/2001	SW8270	PHENOL	35	J	35	410	ug/Kg
SS102W2	AQ227	5/18/2001	CL200.7	ALUMINUM (TOTAL)	15000		5.3	9.4	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	ANTIMONY (TOTAL)	0.85	J	0.7	0.7	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102W2	AQ227	5/18/2001	CL200.7	ARSENIC (TOTAL)	4.8		0.9	1.5	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	BARIUM (TOTAL)	16.8		0.81	0.81	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	CHROMIUM (TOTAL)	18		0.2	0.99	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	COBALT (TOTAL)	3.1		0.27	0.27	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	COPPER (TOTAL)	10.1		0.56	0.56	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	IRON (TOTAL)	18300		3.5	14	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	LEAD (TOTAL)	17.2	J	0.2	0.29	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	MAGNESIUM (TOTAL)	1200		82.5	150	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	MANGANESE (TOTAL)	64.8		0.07	0.07	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	MOLYBDENUM (TOTAL)	0.66		0.27	0.27	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	NICKEL (TOTAL)	6.4		0.7	1.7	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	POTASSIUM (TOTAL)	540		100	269	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	VANADIUM (TOTAL)	25.6		0.32	0.32	mg/Kg
SS102W2	AQ227	5/18/2001	CL200.7	ZINC (TOTAL)	14.2		0.4	1.1	mg/Kg
SS102W2	AQ227	5/18/2001	CVOL	ACETONE	100	J	4.04	8	ug/Kg
SS102W2	AQ227	5/18/2001	CVOL	BROMOFORM	0.9	J	0.9	8	ug/Kg
SS102W2	AQ227	5/18/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	8	ug/Kg
SS102W2	AQ227	5/18/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.7	J	1.5	2.85	mg/Kg
SS102W2	AQ227	5/18/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.06	J	0.0043	0.01	mg/Kg
SS102W2	AQ227	5/18/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	104		1	2.11	mg/Kg
SS102W2	AQ227	5/18/2001	LYDKHN	TOTAL ORGANIC CARBON	26400		0	0	mg/Kg
SS102W2	AQ227	5/18/2001	SW8151A	4-NITROPHENOL	150	NJ	120	120	ug/Kg
SS102W2	AQ227	5/18/2001	SW8270	BENZOIC ACID	69	J	69	1000	ug/Kg
SS102W2	AQ227	5/18/2001	SW8270	PHENOL	20	J	20	410	ug/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	ALUMINUM (TOTAL)	15900		2.9	26.1	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	ARSENIC (TOTAL)	4.9		0.53	1.3	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	BARIUM (TOTAL)	19.9	J	1.5	26.1	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	BERYLLIUM (TOTAL)	0.39	J	0.052	0.65	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	BORON (TOTAL)	3.4	J	0.82	13	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	CALCIUM (TOTAL)	286	J	37.3	651	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	CHROMIUM (TOTAL)	18.1		0.14	1.3	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	COBALT (TOTAL)	3.4	J	0.38	6.51	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	COPPER (TOTAL)	4.7		0.29	3.26	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	IRON (TOTAL)	15600		3.6	13	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	LEAD (TOTAL)	11.8		0.18	0.39	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15015-A	102HA-01	10/16/2003	SW6010B	MAGNESIUM (TOTAL)	1690		39.1	651	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	MANGANESE (TOTAL)	71.4		0.16	1.95	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	NICKEL (TOTAL)	8		0.31	5.21	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	POTASSIUM (TOTAL)	657		41.3	651	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	THALLIUM (TOTAL)	0.64	J	0.48	1.3	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	VANADIUM (TOTAL)	29.5		0.38	6.51	mg/Kg
SS15015-A	102HA-01	10/16/2003	SW6010B	ZINC (TOTAL)	22.3		0.3	2.61	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	ALUMINUM (TOTAL)	12800		2.3	20.8	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	ARSENIC (TOTAL)	5.4		0.43	1.04	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	BARIUM (TOTAL)	17.7	J	1.2	26.1	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	BERYLLIUM (TOTAL)	0.48	J	0.042	0.58	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	BORON (TOTAL)	3.4	J	0.66	10.4	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	CALCIUM (TOTAL)	199	J	29.8	520	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	CHROMIUM (TOTAL)	15.8		0.11	1.04	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	COBALT (TOTAL)	5	J	0.3	5.2	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	COPPER (TOTAL)	6.6		0.23	2.6	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	IRON (TOTAL)	14600		2.9	10.4	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	LEAD (TOTAL)	7.9		0.15	0.31	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	MAGNESIUM (TOTAL)	2160		31.3	520	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	MANGANESE (TOTAL)	123		0.12	1.56	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	NICKEL (TOTAL)	8.2		0.25	4.16	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	POTASSIUM (TOTAL)	734		33.1	520	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	SODIUM (TOTAL)	52.4	J	47.2	520	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	VANADIUM (TOTAL)	21.8		0.3	5.2	mg/Kg
SS15015-A	102HA-02	10/16/2003	SW6010B	ZINC (TOTAL)	21.5		0.24	2.08	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	ALUMINUM (TOTAL)	17900		2.7	24.2	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	ANTIMONY (TOTAL)	0.66	J	0.63	7.25	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	ARSENIC (TOTAL)	5.9		0.5	1.21	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	BARIUM (TOTAL)	19.2	J	1.4	24.2	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.048	0.6	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	BORON (TOTAL)	3.5	J	0.76	12.1	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	CALCIUM (TOTAL)	220	J	34.7	604	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	CHROMIUM (TOTAL)	19.9		0.13	1.21	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	COBALT (TOTAL)	3.7	J	0.35	6.04	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	COPPER (TOTAL)	5		0.27	3.02	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15016-A	102HH-01	10/16/2003	SW6010B	IRON (TOTAL)	16600		3.4	12.1	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	LEAD (TOTAL)	12.4		0.17	0.36	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	MAGNESIUM (TOTAL)	1820		36.4	604	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	MANGANESE (TOTAL)	74.2		0.15	1.81	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	NICKEL (TOTAL)	8.5		0.29	4.84	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	POTASSIUM (TOTAL)	669		38.4	604	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	SODIUM (TOTAL)	89.5	J	54.9	604	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	THALLIUM (TOTAL)	0.7	J	0.45	1.21	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	VANADIUM (TOTAL)	28.2		0.35	6.04	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW6010B	ZINC (TOTAL)	20.5		0.28	2.42	mg/Kg
SS15016-A	102HH-01	10/16/2003	SW7471	MERCURY (TOTAL)	0.02	J	0.018	0.036	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	ALUMINUM (TOTAL)	10900		2.1	19.4	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	ANTIMONY (TOTAL)	0.62	J	0.5	5.82	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	ARSENIC (TOTAL)	4.1		0.4	0.97	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	BARIUM (TOTAL)	13.8	J	1.1	19.4	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.039	0.49	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	BORON (TOTAL)	2.7	J	0.61	9.71	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	CALCIUM (TOTAL)	172	J	27.8	485	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	CHROMIUM (TOTAL)	12.5		0.11	0.97	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	COBALT (TOTAL)	3.8	J	0.28	4.85	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	COPPER (TOTAL)	4.5		0.21	2.43	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	IRON (TOTAL)	12300		2.7	9.71	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	LEAD (TOTAL)	7.3		0.14	0.36	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	MAGNESIUM (TOTAL)	1300		29.2	485	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	MANGANESE (TOTAL)	87.9	J	0.12	1.46	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	NICKEL (TOTAL)	6.1		0.23	3.88	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	POTASSIUM (TOTAL)	524		30.9	485	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	VANADIUM (TOTAL)	19.2		0.28	4.85	mg/Kg
SS15016-A	102HH-02	10/16/2003	SW6010B	ZINC (TOTAL)	13.9		0.22	1.94	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	ALUMINUM (TOTAL)	8330		2.2	19.9	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	ARSENIC (TOTAL)	2.8		0.41	0.99	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	BARIUM (TOTAL)	12.9	J	1.1	19.9	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.04	0.5	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	BORON (TOTAL)	1.8	J	0.63	9.94	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	CALCIUM (TOTAL)	102	J	28.5	497	mg/Kg

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TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15016-A	102HH-02FD	10/16/2003	SW6010B	CHROMIUM (TOTAL)	8.7		0.11	0.99	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	COBALT (TOTAL)	6.9		0.29	4.97	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	COPPER (TOTAL)	5.4		0.22	2.49	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	IRON (TOTAL)	10500		2.8	9.94	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	LEAD (TOTAL)	6.8		0.14	0.3	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	MAGNESIUM (TOTAL)	874		29.9	497	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	MANGANESE (TOTAL)	228	J	0.12	1.49	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	NICKEL (TOTAL)	4.8		0.24	3.98	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	POTASSIUM (TOTAL)	516		31.6	497	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	VANADIUM (TOTAL)	13.8		0.29	4.97	mg/Kg
SS15016-A	102HH-02FD	10/16/2003	SW6010B	ZINC (TOTAL)	16		0.23	1.99	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	ALUMINUM (TOTAL)	31800		3.2	29.2	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	ANTIMONY (TOTAL)	0.92	J	0.76	8.76	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	ARSENIC (TOTAL)	11.1		0.6	1.46	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	BARIUM (TOTAL)	58.8		1.7	29.2	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	BERYLLIUM (TOTAL)	0.9		0.058	0.73	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	BORON (TOTAL)	6.4	J	0.92	14.6	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	CADMIUM (TOTAL)	0.088	J	0.073	0.5	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	CALCIUM (TOTAL)	792		41.9	730	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	CHROMIUM (TOTAL)	36.8		0.16	1.46	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	COBALT (TOTAL)	9.8		0.42	7.3	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	COPPER (TOTAL)	20.6		0.32	3.65	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	IRON (TOTAL)	31700		4.1	14.6	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	LEAD (TOTAL)	66.4		0.2	0.44	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	MAGNESIUM (TOTAL)	4150		43.9	730	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	MANGANESE (TOTAL)	552		0.18	2.19	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	MOLYBDENUM (TOTAL)	1.4	J	0.16	1.46	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	NICKEL (TOTAL)	18.8		0.35	5.84	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	POTASSIUM (TOTAL)	1470		46.5	730	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	THALLIUM (TOTAL)	0.92	J	0.54	1.46	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	VANADIUM (TOTAL)	57.6		0.42	7.3	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW6010B	ZINC (TOTAL)	56.4		0.34	2.92	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW7471	MERCURY (TOTAL)	0.088		0.026	0.051	mg/Kg
SS15017-A	102HB-01	10/14/2003	SW8270C	BENZOIC ACID	260	J	189	1300	ug/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	ALUMINUM (TOTAL)	24600		3.2	28.8	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15017-A	102HB-02	10/14/2003	SW6010B	ANTIMONY (TOTAL)	0.78	J	0.75	8.65	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	ARSENIC (TOTAL)	8.1		0.59	1.44	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	BARIUM (TOTAL)	62.1		1.7	28.8	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	BERYLLIUM (TOTAL)	0.72		0.058	0.72	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	BORON (TOTAL)	4.5	J	0.91	14.4	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	CADMIUM (TOTAL)	0.13	J	0.072	0.72	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	CALCIUM (TOTAL)	328	J	41.3	721	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	CHROMIUM (TOTAL)	26.5		0.16	1.44	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	COBALT (TOTAL)	6	J	0.42	7.21	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	COPPER (TOTAL)	18.6		0.32	3.6	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	IRON (TOTAL)	26700		4	14.4	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	LEAD (TOTAL)	71.1		0.2	0.43	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	MAGNESIUM (TOTAL)	2290		43.4	721	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	MANGANESE (TOTAL)	921		0.17	2.16	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	NICKEL (TOTAL)	12.1		0.35	5.76	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	POTASSIUM (TOTAL)	1050		45.8	721	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	THALLIUM (TOTAL)	0.62	J	0.53	1.44	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	VANADIUM (TOTAL)	43.5		0.42	7.21	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW6010B	ZINC (TOTAL)	44.5		0.33	2.88	mg/Kg
SS15017-A	102HB-02	10/14/2003	SW7471	MERCURY (TOTAL)	0.069		0.024	0.049	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	ALUMINUM (TOTAL)	17700		2.8	25	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	ARSENIC (TOTAL)	4.2		0.51	1.25	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	BARIUM (TOTAL)	70.3		1.4	25	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	BERYLLIUM (TOTAL)	0.58	J	0.05	0.63	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	BORON (TOTAL)	2.9	J	0.79	12.5	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	CALCIUM (TOTAL)	239	J	35.9	626	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	CHROMIUM (TOTAL)	18.4		0.14	1.25	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	COBALT (TOTAL)	4.1	J	0.36	6.26	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	COPPER (TOTAL)	14.9		0.28	3.13	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	IRON (TOTAL)	19900		3.5	12.5	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	LEAD (TOTAL)	16.4		0.18	0.38	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	MAGNESIUM (TOTAL)	1380		37.6	626	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	MANGANESE (TOTAL)	1570		1.5	18.8	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	NICKEL (TOTAL)	7.7		0.3	5	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	POTASSIUM (TOTAL)	830		39.8	626	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15017-A	102HB-03	10/14/2003	SW6010B	VANADIUM (TOTAL)	28.9		0.36	6.26	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW6010B	ZINC (TOTAL)	37.9		0.29	2.5	mg/Kg
SS15017-A	102HB-03	10/14/2003	SW8270C	BENZOIC ACID	370	J	163	1100	ug/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	ALUMINUM (TOTAL)	29200		3.1	28	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	ANTIMONY (TOTAL)	0.98	J	0.73	8.41	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	ARSENIC (TOTAL)	9.8		0.57	1.4	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	BARIUM (TOTAL)	69.5		1.6	28	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	BERYLLIUM (TOTAL)	0.79		0.056	0.7	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	BORON (TOTAL)	7	J	0.88	14	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	CADMIUM (TOTAL)	0.18	J	0.07	0.7	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	CALCIUM (TOTAL)	414	J	40.2	700	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	CHROMIUM (TOTAL)	32.8		0.15	1.4	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	COBALT (TOTAL)	7.5		0.41	7	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	COPPER (TOTAL)	27.6		0.31	3.5	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	IRON (TOTAL)	29900		3.9	14	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	LEAD (TOTAL)	65.7		0.2	0.42	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	MAGNESIUM (TOTAL)	2850		42.1	700	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	MANGANESE (TOTAL)	941		0.17	2.1	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	MOLYBDENUM (TOTAL)	1.2	J	0.15	1.4	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	NICKEL (TOTAL)	15.6		0.34	5.6	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	POTASSIUM (TOTAL)	1310		44.6	700	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	THALLIUM (TOTAL)	0.59	J	0.52	1.4	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	VANADIUM (TOTAL)	55.6		0.41	7	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW6010B	ZINC (TOTAL)	60.3		0.32	2.8	mg/Kg
SS15018-A	102HC-01	10/14/2003	SW7471	MERCURY (TOTAL)	0.12		0.024	0.048	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	ALUMINUM (TOTAL)	20700		2.5	22.3	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	ARSENIC (TOTAL)	5.6		0.46	1.12	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	BARIUM (TOTAL)	64.8		1.3	22.3	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	BERYLLIUM (TOTAL)	0.63		0.045	0.56	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	BORON (TOTAL)	3.8	J	0.7	11.2	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	CADMIUM (TOTAL)	0.13	J	0.056	0.56	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	CALCIUM (TOTAL)	278	J	32	558	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	CHROMIUM (TOTAL)	22.3		0.12	1.12	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	COBALT (TOTAL)	5.1	J	0.32	5.58	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	COPPER (TOTAL)	27.8		0.25	2.79	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15018-A	102HC-02	10/14/2003	SW6010B	IRON (TOTAL)	22500		3.1	11.2	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	LEAD (TOTAL)	183		0.16	0.33	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	MAGNESIUM (TOTAL)	1820		33.6	558	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	MANGANESE (TOTAL)	1540		1.3	16.7	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	NICKEL (TOTAL)	10		0.27	4.47	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	POTASSIUM (TOTAL)	934		35.5	558	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	VANADIUM (TOTAL)	34.2		0.32	5.58	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW6010B	ZINC (TOTAL)	46.1		0.26	2.23	mg/Kg
SS15018-A	102HC-02	10/14/2003	SW7471	MERCURY (TOTAL)	0.059		0.021	0.041	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	ALUMINUM (TOTAL)	17400		2.5	22.8	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	ARSENIC (TOTAL)	3.1		0.47	1.14	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	BARIUM (TOTAL)	54.9		1.3	22.8	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	BERYLLIUM (TOTAL)	0.53	J	0.046	0.57	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	BORON (TOTAL)	3.6	J	0.72	11.4	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	CALCIUM (TOTAL)	315	J	32.7	570	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	CHROMIUM (TOTAL)	19.5		0.13	1.14	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	COBALT (TOTAL)	4.5	J	0.33	5.7	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	COPPER (TOTAL)	10.2		0.25	2.85	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	IRON (TOTAL)	16200		3.2	11.4	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	LEAD (TOTAL)	13.3		0.16	0.34	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	MAGNESIUM (TOTAL)	1940		34.3	570	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	MANGANESE (TOTAL)	984		0.14	1.71	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	NICKEL (TOTAL)	8.9		0.27	4.56	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	POTASSIUM (TOTAL)	936		36.2	570	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	VANADIUM (TOTAL)	23.6		0.33	5.7	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW6010B	ZINC (TOTAL)	45.2		0.26	2.28	mg/Kg
SS15018-A	102HC-03	10/14/2003	SW7471	MERCURY (TOTAL)	0.028	J	0.018	0.037	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	ALUMINUM (TOTAL)	35000		3.4	30.4	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	ANTIMONY (TOTAL)	1.2	J	0.79	9.13	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	ARSENIC (TOTAL)	12.6		0.62	1.52	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	BARIUM (TOTAL)	50.8		1.8	30.4	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	BERYLLIUM (TOTAL)	0.93		0.061	0.76	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	BORON (TOTAL)	6.5	J	0.96	15.2	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	CADMIUM (TOTAL)	0.12	J	0.076	0.76	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	CALCIUM (TOTAL)	360	J	43.6	761	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15019-A	102HD-01	10/15/2003	SW6010B	CHROMIUM (TOTAL)	39.3		0.17	1.52	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	COBALT (TOTAL)	9.1		0.44	7.61	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	COPPER (TOTAL)	22		0.33	3.81	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	IRON (TOTAL)	34600		4.2	15.2	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	LEAD (TOTAL)	45.6		0.21	0.46	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	MAGNESIUM (TOTAL)	4210		45.8	761	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	MANGANESE (TOTAL)	312		0.18	2.28	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	MOLYBDENUM (TOTAL)	1.7		0.17	1.52	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	NICKEL (TOTAL)	18.7		0.37	6.09	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	POTASSIUM (TOTAL)	1430		48.4	761	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	THALLIUM (TOTAL)	0.82	J	0.56	1.52	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	VANADIUM (TOTAL)	64.3		0.44	7.61	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW6010B	ZINC (TOTAL)	59.1		0.35	3.04	mg/Kg
SS15019-A	102HD-01	10/15/2003	SW7471	MERCURY (TOTAL)	0.078		0.027	0.054	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	ALUMINUM (TOTAL)	19500		2.7	24.8	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	ANTIMONY (TOTAL)	0.87	J	0.64	7.43	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	ARSENIC (TOTAL)	5.4		0.51	1.24	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	BARIUM (TOTAL)	55.9		1.4	24.8	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	BERYLLIUM (TOTAL)	0.55	J	0.05	0.62	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	BORON (TOTAL)	3.8	J	0.78	12.4	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	CADMIUM (TOTAL)	0.1	J	0.062	0.62	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	CALCIUM (TOTAL)	490	J	35.5	619	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	CHROMIUM (TOTAL)	20.1		0.14	1.24	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	COBALT (TOTAL)	3.9	J	0.36	6.19	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	COPPER (TOTAL)	13.3		0.27	3.09	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	IRON (TOTAL)	20900		3.4	12.4	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	LEAD (TOTAL)	27.6		0.17	0.37	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	MAGNESIUM (TOTAL)	1560		37.2	619	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	MANGANESE (TOTAL)	671		0.15	1.86	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	NICKEL (TOTAL)	8.9		0.3	4.95	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	POTASSIUM (TOTAL)	813		39.4	619	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	VANADIUM (TOTAL)	32.4		0.36	6.19	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW6010B	ZINC (TOTAL)	35.1		0.28	2.48	mg/Kg
SS15019-A	102HD-02	10/15/2003	SW7471	MERCURY (TOTAL)	0.061		0.024	0.048	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	ALUMINUM (TOTAL)	18200		2.8	25.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15019-A	102HD-03	10/15/2003	SW6010B	ARSENIC (TOTAL)	3.7		0.52	1.27	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	BARIUM (TOTAL)	62		1.5	25.3	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	BERYLLIUM (TOTAL)	0.56	J	0.051	0.63	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	BORON (TOTAL)	3	J	0.8	12.7	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	CALCIUM (TOTAL)	284	J	36.3	633	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	CHROMIUM (TOTAL)	18.5		0.14	1.27	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	COBALT (TOTAL)	3.4	J	0.37	6.33	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	COPPER (TOTAL)	12.3		0.28	3.17	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	IRON (TOTAL)	20400		3.5	12.7	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	LEAD (TOTAL)	13.6		0.18	0.38	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	MAGNESIUM (TOTAL)	1300		38.1	633	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	MANGANESE (TOTAL)	723		0.15	1.9	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	NICKEL (TOTAL)	7.2		0.3	5.07	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	POTASSIUM (TOTAL)	836		40.3	633	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	VANADIUM (TOTAL)	29.1		0.37	6.33	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW6010B	ZINC (TOTAL)	30.5		0.29	2.53	mg/Kg
SS15019-A	102HD-03	10/15/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.021	0.043	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	ALUMINUM (TOTAL)	10100	J	3.4	22.1	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	ARSENIC (TOTAL)	3.7		0.39	1.11	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	BARIUM (TOTAL)	16.2	J	1.3	22.1	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.033	0.55	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	BORON (TOTAL)	2.4	J	0.71	11.1	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	CALCIUM (TOTAL)	388	J	36	554	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	CHROMIUM (TOTAL)	10.8	J	0.14	1.11	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	COBALT (TOTAL)	1.9	J	0.34	5.54	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	COPPER (TOTAL)	4.2		0.22	2.77	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	IRON (TOTAL)	11200	J	3.3	11.1	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	LEAD (TOTAL)	9.3	J	0.31	0.33	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	1120	J	34	554	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	MANGANESE (TOTAL)	73.8	J	0.11	1.66	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	MOLYBDENUM (TOTAL)	1.6		0.13	1.11	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	NICKEL (TOTAL)	4.1	J	0.31	4.43	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	POTASSIUM (TOTAL)	616		57.8	554	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	SELENIUM (TOTAL)	0.77		0.33	0.55	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	SODIUM (TOTAL)	258	J	55.6	554	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15019-A	102UO-02	10/22/2003	SW6010B	VANADIUM (TOTAL)	19	J	0.42	5.54	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW6010B	ZINC (TOTAL)	14	J	0.22	2.21	mg/Kg
SS15019-A	102UO-02	10/22/2003	SW7471	MERCURY (TOTAL)	0.024	J	0.017	0.034	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	ALUMINUM (TOTAL)	18500		2.3	20.4	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	ANTIMONY (TOTAL)	0.73	J	0.53	6.12	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	ARSENIC (TOTAL)	5.6		0.42	1.02	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	BARIUM (TOTAL)	51.3		1.2	20.4	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.58		0.041	0.51	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	BORON (TOTAL)	3.5	J	0.64	10.2	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	CADMIUM (TOTAL)	0.19	J	0.051	0.51	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	CALCIUM (TOTAL)	1600		29.2	510	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	CHROMIUM (TOTAL)	33.8	J	0.11	1.02	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	COBALT (TOTAL)	8.3		0.3	5.1	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	COPPER (TOTAL)	19	J	0.22	2.55	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	IRON (TOTAL)	21000		2.8	10.2	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	LEAD (TOTAL)	18.6		0.14	0.31	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	4760		30.7	510	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	MANGANESE (TOTAL)	231		0.12	1.53	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.8	J	0.11	1.02	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	NICKEL (TOTAL)	17.7	J	0.24	4.08	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	POTASSIUM (TOTAL)	1680	J	32.4	510	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	THALLIUM (TOTAL)	0.69	J	0.38	1.02	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	VANADIUM (TOTAL)	40.4		0.3	5.1	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW6010B	ZINC (TOTAL)	58.8	J	0.23	2.04	mg/Kg
SS15020-A	102HE-01	10/20/2003	SW8260B	ACETONE	230	J	1.63	6.6	ug/Kg
SS15020-A	102HE-01	10/20/2003	SW8260B	METHYL ETHYL KETONE (2-BUTANONE)	15		0.922	6.6	ug/Kg
SS15020-A	102HE-01	10/20/2003	SW8270C	BENZO(A)ANTHRACENE	48	J	41.8	440	ug/Kg
SS15020-A	102HE-01	10/20/2003	SW8270C	BENZO(K)FLUORANTHENE	66	J	51.8	440	ug/Kg
SS15020-A	102HE-01	10/20/2003	SW8270C	CHRYSENE	79	J	35.3	440	ug/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	ALUMINUM (TOTAL)	11900		2.3	21.2	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	ARSENIC (TOTAL)	3.9		0.43	1.06	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	BARIUM (TOTAL)	25.4		1.2	21.2	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.39	J	0.042	0.53	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	BORON (TOTAL)	2.7	J	0.67	10.6	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	CADMIUM (TOTAL)	0.061	J	0.053	0.53	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15020-A	102HE-02	10/20/2003	SW6010B	CALCIUM (TOTAL)	635		30.4	530	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	CHROMIUM (TOTAL)	17.7	J	0.12	1.06	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	COBALT (TOTAL)	4.7	J	0.31	5.3	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	COPPER (TOTAL)	10.3	J	0.23	2.65	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	IRON (TOTAL)	13400		2.9	10.6	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	LEAD (TOTAL)	12.4		0.15	0.32	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	2310		31.9	530	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	MANGANESE (TOTAL)	127		0.13	1.59	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.4	J	0.12	1.06	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	NICKEL (TOTAL)	8.7	J	0.25	4.24	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	POTASSIUM (TOTAL)	960	J	33.7	530	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	VANADIUM (TOTAL)	24.6		0.31	5.3	mg/Kg
SS15020-A	102HE-02	10/20/2003	SW6010B	ZINC (TOTAL)	32	J	0.24	2.12	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	ALUMINUM (TOTAL)	27000		2.8	25.6	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	ANTIMONY (TOTAL)	0.72	J	0.66	7.67	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	ARSENIC (TOTAL)	9		0.52	1.28	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	BARIUM (TOTAL)	42.2		1.5	25.6	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.78		0.051	0.64	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	BORON (TOTAL)	4.8	J	0.81	12.8	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	CADMIUM (TOTAL)	0.19	J	0.064	0.64	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	CALCIUM (TOTAL)	525	J	36.7	639	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	CHROMIUM (TOTAL)	31.5	J	0.14	1.28	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	COBALT (TOTAL)	8.4		0.37	6.39	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	COPPER (TOTAL)	22.8	J	0.28	3.2	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	IRON (TOTAL)	26800		3.6	12.8	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	LEAD (TOTAL)	33.3		0.18	0.38	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	3620		38.5	639	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	MANGANESE (TOTAL)	205		0.15	1.92	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	1	J	0.14	1.28	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	NICKEL (TOTAL)	14.7	J	0.31	5.11	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	POTASSIUM (TOTAL)	1550	J	40.7	639	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	SELENIUM (TOTAL)	1.2	J	0.38	0.64	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	THALLIUM (TOTAL)	1.8	J	0.47	1.28	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	VANADIUM (TOTAL)	45.9		0.37	6.39	mg/Kg
SS15020-A	102HE-03	10/20/2003	SW6010B	ZINC (TOTAL)	69.7	J	0.29	2.56	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15020-A	102HE-03	10/20/2003	SW7471	MERCURY (TOTAL)	0.082		0.023	0.046	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	ALUMINUM (TOTAL)	25100		2.6	23.7	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	ANTIMONY (TOTAL)	0.83	J	0.62	7.11	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	ARSENIC (TOTAL)	8		0.49	1.19	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	BARIUM (TOTAL)	38.8		1.4	23.7	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.73		0.047	0.59	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	BORON (TOTAL)	4.3	J	0.75	11.9	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	CADMIUM (TOTAL)	0.092	J	0.059	0.59	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	CALCIUM (TOTAL)	504	J	34	593	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	CHROMIUM (TOTAL)	29.5	J	0.13	1.19	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	COBALT (TOTAL)	7.8		0.34	5.93	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	COPPER (TOTAL)	23.8	J	0.26	2.96	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	IRON (TOTAL)	25500		3.3	11.9	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	LEAD (TOTAL)	32.4		0.17	0.36	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	3390		35.7	593	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	MANGANESE (TOTAL)	192		0.14	1.78	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.75	J	0.13	1.19	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	NICKEL (TOTAL)	13.9	J	0.28	4.74	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	POTASSIUM (TOTAL)	1410	J	37.7	593	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	THALLIUM (TOTAL)	1.1	J	0.44	1.19	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	VANADIUM (TOTAL)	43.6		0.34	5.93	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW6010B	ZINC (TOTAL)	62.1	J	0.27	2.37	mg/Kg
SS15020-A	102HE-03FD	10/20/2003	SW7471	MERCURY (TOTAL)	0.093		0.023	0.047	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	ALUMINUM (TOTAL)	15600		2.7	608	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	ARSENIC (TOTAL)	5.3		0.5	1.22	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	BARIUM (TOTAL)	41.6		1.4	24.3	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.48	J	0.049	0.61	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	BORON (TOTAL)	3.2	J	0.77	12.2	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	CADMIUM (TOTAL)	0.19	J	0.061	0.61	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	CALCIUM (TOTAL)	1280		34.9	608	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	CHROMIUM (TOTAL)	29.1	J	0.13	1.22	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	COBALT (TOTAL)	7		0.35	6.08	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	COPPER (TOTAL)	16.3	J	0.27	3.04	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	IRON (TOTAL)	17800		3.4	12.2	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	LEAD (TOTAL)	16.1		0.17	0.37	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15021-A	102HF-01	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	4050		36.6	608	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	MANGANESE (TOTAL)	188		0.15	1.83	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.46	J	0.13	1.22	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	NICKEL (TOTAL)	14.6	J	0.29	4.87	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	POTASSIUM (TOTAL)	1430	J	38.7	608	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	THALLIUM (TOTAL)	0.53	J	0.45	1.22	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	VANADIUM (TOTAL)	34.6		0.35	6.08	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW6010B	ZINC (TOTAL)	47.1	J	0.28	2.43	mg/Kg
SS15021-A	102HF-01	10/20/2003	SW8260B	ACETONE	300	J	1.52	6.2	ug/Kg
SS15021-A	102HF-01	10/20/2003	SW8260B	METHYL ETHYL KETONE (2-BUTANONE)	25	J	0.859	6.2	ug/Kg
SS15021-A	102HF-01	10/20/2003	SW8270C	BENZO(K)FLUORANTHENE	59	J	50.7	440	ug/Kg
SS15021-A	102HF-01	10/20/2003	SW8270C	CHRYSENE	63	J	34.5	440	ug/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	ALUMINUM (TOTAL)	3950		2.2	19.5	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	ARSENIC (TOTAL)	1.3	J	0.4	0.97	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	BARIUM (TOTAL)	9.3	J	1.1	19.5	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.15	J	0.039	0.49	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	BORON (TOTAL)	1.4	J	0.61	9.74	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	CALCIUM (TOTAL)	221	J	27.9	487	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	CHROMIUM (TOTAL)	7	J	0.11	0.97	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	COBALT (TOTAL)	2.1	J	0.28	4.87	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	COPPER (TOTAL)	5	J	0.21	2.43	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	IRON (TOTAL)	5500		2.7	9.74	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	LEAD (TOTAL)	4.4		0.14	0.29	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	929		29.3	487	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	MANGANESE (TOTAL)	54.6		0.12	1.46	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.25	J	0.11	0.97	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	NICKEL (TOTAL)	3.6	J	0.23	3.9	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	POTASSIUM (TOTAL)	446	J	31	487	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	VANADIUM (TOTAL)	9.4		0.28	4.87	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW6010B	ZINC (TOTAL)	12.7	J	0.22	1.95	mg/Kg
SS15021-A	102HF-02	10/20/2003	SW8260B	ACETONE	58	J	1.35	5.5	ug/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	ALUMINUM (TOTAL)	23900		2.6	23.1	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	ARSENIC (TOTAL)	7.3		0.47	1.16	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	BARIUM (TOTAL)	37.3		1.3	23.1	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.72		0.046	0.58	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15021-A	102HF-03	10/20/2003	SW6010B	BORON (TOTAL)	4	J	0.73	11.6	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	CALCIUM (TOTAL)	466	J	33.2	578	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	CHROMIUM (TOTAL)	28.2	J	0.13	1.16	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	COBALT (TOTAL)	8		0.34	5.78	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	COPPER (TOTAL)	16.5	J	0.25	2.89	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	IRON (TOTAL)	24300		3.2	11.6	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	LEAD (TOTAL)	24.4		0.16	0.35	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	3450		34.8	578	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	MANGANESE (TOTAL)	209		0.14	1.73	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.64	J	0.13	1.16	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	NICKEL (TOTAL)	14.3	J	0.28	4.63	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	POTASSIUM (TOTAL)	1430	J	36.8	578	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	SELENIUM (TOTAL)	1.4	J	0.35	0.58	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	THALLIUM (TOTAL)	1.2	J	0.43	1.16	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	VANADIUM (TOTAL)	42.2		0.34	5.78	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW6010B	ZINC (TOTAL)	47.3	J	0.27	2.31	mg/Kg
SS15021-A	102HF-03	10/20/2003	SW7471	MERCURY (TOTAL)	0.035	J	0.02	0.04	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	ALUMINUM (TOTAL)	17000		2.9	26.2	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	ANTIMONY (TOTAL)	0.83	J	0.68	7.87	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	ARSENIC (TOTAL)	5.8		0.46	1.31	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	BARIUM (TOTAL)	26.8		1.5	26.2	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	BORON (TOTAL)	4.3	J	0.84	13.1	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	CALCIUM (TOTAL)	221	J	42.6	656	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	CHROMIUM (TOTAL)	20.6	J	0.17	1.31	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	COBALT (TOTAL)	3.4	J	0.41	6.56	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	COPPER (TOTAL)	33.4		0.26	3.28	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	IRON (TOTAL)	17100		3.6	13.1	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	LEAD (TOTAL)	81.2		0.18	0.39	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	MAGNESIUM (TOTAL)	2460		39.5	656	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	MANGANESE (TOTAL)	103		0.16	1.97	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	NICKEL (TOTAL)	9		0.37	5.25	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	POTASSIUM (TOTAL)	1020		68.5	656	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	SELENIUM (TOTAL)	1.3		0.39	0.66	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	SODIUM (TOTAL)	552	J	65.9	656	mg/Kg
SS15115-A	102HI-01	11/5/2003	SW6010B	VANADIUM (TOTAL)	28.5		0.5	6.56	mg/Kg

J = Estimated
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15115-A	102HI-01	11/5/2003	SW6010B	ZINC (TOTAL)	37.4		0.3	2.62	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	ALUMINUM (TOTAL)	5360		1.9	17.6	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	ANTIMONY (TOTAL)	0.5	J	0.46	5.29	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	ARSENIC (TOTAL)	2.8		0.31	0.88	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	BARIUM (TOTAL)	9.9	J	1	17.6	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	BORON (TOTAL)	2.1	J	0.56	8.82	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	CALCIUM (TOTAL)	98	J	28.6	441	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	CHROMIUM (TOTAL)	7.1	J	0.11	0.88	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	COBALT (TOTAL)	2.7	J	0.27	4.41	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	COPPER (TOTAL)	3.7		0.18	2.2	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	IRON (TOTAL)	7420		2.5	8.82	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	LEAD (TOTAL)	5		0.12	0.26	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	MAGNESIUM (TOTAL)	952		26.5	441	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	MANGANESE (TOTAL)	101		0.11	1.32	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	NICKEL (TOTAL)	3.5	J	0.25	3.53	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	POTASSIUM (TOTAL)	365	J	46	441	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	SELENIUM (TOTAL)	0.44	J	0.26	0.44	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	VANADIUM (TOTAL)	11.1		0.34	4.41	mg/Kg
SS15115-A	102HI-02	11/5/2003	SW6010B	ZINC (TOTAL)	12.3		0.2	1.76	mg/Kg
SSJ301	J301_SS1	7/15/2008	SW6010B	COPPER	4.9		0.049	2.4692	mg/Kg
SSJ301	J301_SS2	7/15/2008	SW6010B	COPPER	4.4		0.055	2.7416	mg/Kg
SSJ301	J301_SS3	7/15/2008	SW6010B	COPPER	6.9		0.049	2.4404	mg/Kg
SSJ301	J301_SS4	7/15/2008	SW6010B	COPPER	6.8		0.059	2.9639	mg/Kg
SSJ301	J301_SS5	7/15/2008	SW6010B	COPPER	3.9		0.051	2.5573	mg/Kg
SSJ301	J301_SS6	7/15/2008	SW6010B	COPPER	5.7		0.046	2.2859	mg/Kg
SSJ301	J301_SS7	7/15/2008	SW6010B	COPPER	4.9		0.052	2.6029	mg/Kg
SSJ301	J301_SS8	7/15/2008	SW6010B	COPPER	5.6		0.053	2.6573	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	ALUMINUM	6030		1.5	16.5344	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	ARSENIC	2.9		0.091	0.8267	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	BARIUM	12.6	J	0.11	16.5344	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	BERYLLIUM	0.14	J	0.012	0.4134	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	BORON	1.8	J	0.077	8.2672	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	CADMIUM	0.15	J	0.012	0.4134	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	CALCIUM	352	J	1.7	413.3598	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	CHROMIUM, TOTAL	9.8		0.0079	0.8267	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ302	SSJ302_PO	5/22/2008	SW6010B	COBALT	2.1	J	0.021	4.1336	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	COPPER	68.1		0.037	2.0668	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	IRON	9550		0.71	16.5344	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	LEAD	33		0.055	0.8267	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	MAGNESIUM	1190		1.7	413.3598	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	MANGANESE	66.2		0.006	1.2401	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	MOLYBDENUM	0.44	J	0.017	0.8267	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	NICKEL	5.7		0.025	3.3069	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	POTASSIUM	466		4.7	413.3598	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	SODIUM	24.7	J	1.4	413.3598	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	VANADIUM	13.1		0.031	4.1336	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW6010B	ZINC	74.5		0.0057	1.6534	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW7471A	MERCURY	0.052		0.016	0.0394	mg/Kg
SSJ302	SSJ302_PO	5/22/2008	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	17		1.3	13	ug/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	ALUMINUM	7410		1.4	15.4607	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	ARSENIC	3.3		0.085	0.773	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	BARIUM	12.8	J	0.1	15.4607	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	BERYLLIUM	0.16	J	0.011	0.3865	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	BORON	1.6	J	0.072	7.7304	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	CADMIUM	0.2	J	0.011	0.3865	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	CALCIUM	376	J	1.6	386.5182	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	CHROMIUM, TOTAL	9.6		0.0073	0.773	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	COBALT	2.1	J	0.019	3.8652	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	COPPER	17.5		0.035	1.9326	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	IRON	9840		0.66	15.4607	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	LEAD	16.3		0.051	0.773	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	MAGNESIUM	1240		1.6	386.5182	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	MANGANESE	67		0.0056	1.1596	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	MOLYBDENUM	0.46	J	0.015	0.773	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	NICKEL	8.1		0.023	3.0921	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	POTASSIUM	431		4.4	386.5182	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	SODIUM	23.7	J	1.3	386.5182	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	VANADIUM	17.7		0.029	3.8652	mg/Kg
SSJ302	SSJ302_PR	5/21/2008	SW6010B	ZINC	69.9		0.0053	1.5461	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	ALUMINUM	4920		1.5	13.986	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ303	SSJ303_PO	5/22/2008	SW6010B	ARSENIC	2.2	J	0.086	0.6993	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	BARIUM	12.4	J	0.1	13.986	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	BERYLLIUM	0.15	J	0.011	0.3497	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	BORON	1.2	J	0.073	6.993	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	CADMIUM	1.8		0.011	0.3497	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	CALCIUM	359	J	1.6	349.6503	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	CHROMIUM, TOTAL	9		0.0074	0.6993	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	COBALT	1.7	J	0.02	3.4965	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	COPPER	755		0.1764	8.7413	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	IRON	7750		0.67	13.986	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	LEAD	167	J	0.052	0.6993	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	MAGNESIUM	1230		1.6	349.6503	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	MANGANESE	75.8	J	0.0056	1.049	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	MOLYBDENUM	0.52	J	0.016	0.6993	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	NICKEL	5.2		0.024	2.7972	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	POTASSIUM	451		4.5	349.6503	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	SODIUM	17.1	J	1.4	349.6503	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	VANADIUM	11.2		0.029	3.4965	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW6010B	ZINC	273	J	0.027	6.993	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW7471A	MERCURY	0.074		0.016	0.0384	mg/Kg
SSJ303	SSJ303_PO	5/22/2008	SW8270C	2,4-DINITROTOLUENE	32	J	20.2247	370	ug/Kg
SSJ303	SSJ303_PO	5/22/2008	SW8270C	2-METHYLNAPHTHALENE	32	J	24.7191	370	ug/Kg
SSJ303	SSJ303_PO	5/22/2008	SW8270C	2-METHYLPHENOL (o-CRESOL)	38	J	24.7191	370	ug/Kg
SSJ303	SSJ303_PO	5/22/2008	SW8270C	DI-n-BUTYL PHTHALATE	160	J	21.3483	370	ug/Kg
SSJ303	SSJ303_PO	5/22/2008	SW8270C	NAPHTHALENE	76	J	28.0899	370	ug/Kg
SSJ303	SSJ303_PO	5/22/2008	SW8330	2,4-DINITROTOLUENE	41		1.3	13	ug/Kg
SSJ303	SSJ303_PO	5/22/2008	SW8330	2-AMINO-4,6-DINITROTOLUENE	110		1.2	13	ug/Kg
SSJ303	SSJ303_PO	5/22/2008	SW8330	4-AMINO-2,6-DINITROTOLUENE	81		1.6	13	ug/Kg
SSJ303	SSJ303_PO	5/22/2008	SW8330	TETRYL	42		1	13	ug/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	ALUMINUM	8650		1.5	16.4204	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	ARSENIC	3.2		0.09	0.821	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	BARIUM	10.9	J	0.11	16.4204	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	BERYLLIUM	0.17	J	0.011	0.4105	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	BORON	1.4	J	0.076	8.2102	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	CADMIUM	0.35	J	0.011	0.4105	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6A
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ303	SSJ303_PR	5/21/2008	SW6010B	CALCIUM	300	J	1.7	410.509	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	CHROMIUM, TOTAL	9		0.0078	0.821	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	COBALT	1.2	J	0.021	4.1051	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	COPPER	28.5		0.037	2.0525	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	IRON	11400		0.71	16.4204	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	LEAD	23.2		0.054	0.821	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	MAGNESIUM	667		1.7	410.509	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	MANGANESE	51.6		0.0059	1.2315	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	MOLYBDENUM	0.49	J	0.016	0.821	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	NICKEL	4.3		0.025	3.2841	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	POTASSIUM	352	J	4.7	410.509	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	SODIUM	17	J	1.4	410.509	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	VANADIUM	16		0.03	4.1051	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW6010B	ZINC	493		0.028	8.2102	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW7471A	MERCURY	0.11		0.019	0.0461	mg/Kg
SSJ303	SSJ303_PR	5/21/2008	SW8330	2,4-DINITROTOLUENE	48		1.3	13	ug/Kg
SSJ303	SSJ303_PR	5/21/2008	SW8330	2-AMINO-4,6-DINITROTOLUENE	44		1.2	13	ug/Kg
SSJ303	SSJ303_PR	5/21/2008	SW8330	4-AMINO-2,6-DINITROTOLUENE	39		1.6	13	ug/Kg
SSJ301	SSJ301_PO	11/29/2012	SW6010C	Copper	15.5		0.10	1.2	MG/KG
SSJ301	SSJ301_POA	11/29/2012	SW6010C	Copper	6.3		0.11	1.2	MG/KG
SSJ301	SSJ301_POB	11/29/2012	SW6010C	Copper	10.8		0.11	1.2	MG/KG

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6B
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ301	SSJ301_PO	5/22/2008	SW6010B	IRON	15100		0.77	17.8466	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	SODIUM	31.2	J	1.5	446.1657	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	BARIUM	16	J	0.12	17.8466	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	ZINC	33.4		0.0062	1.7847	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	MANGANESE	78.7		0.0064	1.3385	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	VANADIUM	21.3		0.033	4.4617	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	ALUMINUM	13400		1.7	17.8466	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	BORON	2.5	J	0.083	8.9233	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	COPPER	1120		0.2008	11.1541	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	BERYLLIUM	0.19	J	0.012	0.4462	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	CALCIUM	191	J	1.8	446.1657	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	MAGNESIUM	1850		1.8	446.1657	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	NICKEL	8.4		0.027	3.5693	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	LEAD	195		0.059	0.8923	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	COBALT	2.7	J	0.022	4.4617	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	POTASSIUM	585		5.1	446.1657	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	MOLYBDENUM	0.64	J	0.018	0.8923	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	CADMIUM	0.13	J	0.013	0.4462	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	CHROMIUM, TOTAL	16.2		0.0085	0.8923	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW6010B	ARSENIC	4.6		0.098	0.8923	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW7471A	MERCURY	0.025	J	0.019	0.0458	MG/KG
SSJ301	SSJ301_PO	5/22/2008	SW8270C	PHENOL	39	J	26.8949	400	UG/KG
SSJ301	SSJ301_PO	5/22/2008	SW8270C	PYRENE	30	J	28.1174	400	UG/KG
SSJ301	SSJ301_PO	5/22/2008	SW8270C	ACENAPHTHYLENE	42	J	24.4499	400	UG/KG
SSJ301	SSJ301_PO	5/22/2008	SW8270C	NAPHTHALENE	100	J	30.5623	400	UG/KG
SSJ301	SSJ301_PO	5/22/2008	SW8270C	PHENANTHRENE	35	J	24.4499	400	UG/KG
SSJ301	SSJ301_PO	5/22/2008	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	22		1.3	13	UG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	BARIUM	18.1	J	0.12	18.1291	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	IRON	14400		0.78	18.1291	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	SODIUM	29.5	J	1.6	453.227	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	ZINC	23		0.0063	1.8129	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	ALUMINUM	14300		1.7	18.1291	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	BORON	3	J	0.084	9.0645	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	COPPER	6.9		0.041	2.2661	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	MANGANESE	80.7		0.0065	1.3597	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	VANADIUM	24		0.034	4.5323	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	BERYLLIUM	0.23	J	0.013	0.4532	MG/KG

J = Estimated

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-6B
J-3 Range Area 2
20mm/30mm Range and Workshop Building, Burn Kettle/Conex Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ301	SSJ301_PR	5/21/2008	SW6010B	CALCIUM	209	J	1.8	453.227	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	MAGNESIUM	1940		1.9	453.227	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	NICKEL	8.2		0.027	3.6258	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	LEAD	17.1		0.06	0.9065	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	COBALT	2.8	J	0.023	4.5323	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	CADMIUM	0.17	J	0.013	0.4532	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	CHROMIUM, TOTAL	16.7		0.0086	0.9065	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	POTASSIUM	636		5.2	453.227	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	MOLYBDENUM	0.67	J	0.018	0.9065	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW6010B	ARSENIC	4.6		0.1	0.9065	MG/KG
SSJ301	SSJ301_PR	5/21/2008	SW8270C	PHENOL	100	J	27.9188	420	UG/KG

J = Estimated

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	BH-19	AL467	11/2/2000	SB	0	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	BH-19	AL468	11/2/2000	SB	1.5	2	YES	EXP, METALS, MISC	JLWP
J-3 Demolition Area	BH-19	AL469	11/2/2000	SB	10	12	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	BH-19	AL470	11/2/2000	SB	10	12	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	BH-19	AL471	11/2/2000	SB	20	22	YES	EXP, METALS, MISC	JLWP
J-3 Demolition Area	BH-19	AL472	11/2/2000	SB	30	32	YES	METALS, MISC	JLWP
J-3 Demolition Area	BH-20	AL474	11/3/2000	SB	0	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	BH-20	AL475	11/3/2000	SB	1.5	2	YES	EXP, METALS, MISC	JLWP
J-3 Demolition Area	BH-20	AL476	11/3/2000	SB	10	12	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	BH-20	AL477	11/3/2000	SB	20	22	YES	EXP, METALS, MISC	JLWP
J-3 Demolition Area	BH-20	AL478	11/3/2000	SB	30	32	YES	METALS, MISC	JLWP
J-3 Demolition Area	BH-39	BH217	8/15/2002	SB	5	7	YES	PERC	J3SWP
J-3 Demolition Area	BH-39	BH218	8/15/2002	SB	10	12	YES	PERC	J3SWP
J-3 Demolition Area	BH-39	BH219	8/15/2002	SB	20	22	YES	PERC	J3SWP
J-3 Demolition Area	BH-39	BH220	8/15/2002	SB	30	32	YES	PERC	J3SWP
J-3 Demolition Area	BH-39	BH221	8/15/2002	SB	30	32	YES	PERC	J3SWP
J-3 Demolition Area	BH-39	BH222	8/15/2002	SB	40	42	YES	PERC	J3SWP
J-3 Demolition Area	BH-39	BH228	8/15/2002	SB	5	7	YES	DYES	J3SWP
J-3 Demolition Area	BH-39	BH229	8/15/2002	SB	10	12	YES	DYES	J3SWP
J-3 Demolition Area	BH-39	BH230	8/15/2002	SB	20	22	YES	DYES	J3SWP
J-3 Demolition Area	BH-39	BH231	8/15/2002	SB	30	32	YES	DYES	J3SWP
J-3 Demolition Area	BH-39	BH232	8/15/2002	SB	30	32	YES	DYES	J3SWP
J-3 Demolition Area	BH-39	BH233	8/15/2002	SB	40	42	YES	DYES	J3SWP
J-3 Artillery Range Area	BH51-A	102LC-01	11/6/2003	SB	2	2.5	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	BH51-A	102LC-02	11/6/2003	SB	4	4.5	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	BH51-A	102LC-02FD	11/6/2003	SB	4	4.5	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	BH51-A	102LC-03	11/6/2003	SB	6	6.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	ECCBPJ301	J3C6-BP-001(post)	8/25/2004	BNP_POST	0	0.25	NO	DIOXINS, EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	BNP_POST	0	0.25	NO	DIOXINS, EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	ECCBPJ301	J3C6-BP-001(pre)	11/4/2004	BNP_POST	0	0.25	NO	EXP, METALS, MISC, PERC, SVOC	J3RRA
J-3 Demolition Area	ECCBPJ301	J3C6-BP-002 (post)	1/21/2005	BNP_POST	0	0.25	NO	EXP	J3RRA
J-3 Demolition Area	ECCBPJ301	J3C6-BP-003 (post)	3/15/2005	BNP_POST	0	0.25	NO	EXP	J3RRA
J-3 Demolition Area	ECCBPJ301	J3C6-BP-004 (post)	4/12/2005	BNP_POST	0	0.25	NO	EXP	J3RRA
J-3 Demolition Area	ECCBPJ301	J3C6-BP-005 (post)	5/20/2005	BNP_POST	8	8.25	YES	EXP	J3RRA
J-3 Artillery Range Area	SS102G1	AH848	6/22/2000	SD	0	0.25	YES	EXP, METALS, SVOC	JLWP
J-3 Demolition Area	SS102G2	AH849	6/22/2000	SD	0	0.25	YES	EXP, METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP550	4/17/2001	SD	0	0.25	YES	SVOC	JLWP
J-3 Demolition Area	SS102GA	AP972	5/1/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP973	5/1/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP974	5/1/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP

SB = soil boring
SC = soil composite
SD = soil discrete
MIS = multiple increment sample
STP = stockpile

ft. bgs = feet below ground surface

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS102GA	AP975	5/1/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP976	5/1/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP977	5/1/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP978	5/1/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP979	5/1/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP980	5/1/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP981	5/1/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP982	5/1/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP983	5/1/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP984	5/1/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP985	5/1/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP986	5/1/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP987	5/1/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP988	5/1/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP989	5/1/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP990	5/1/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP991	5/1/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AP992	5/1/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP993	5/1/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP994	5/1/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP995	5/1/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP996	5/1/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AP997	5/1/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Demolition Area	SS102GA	AQ001	5/1/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AQ002	5/1/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AQ003	5/1/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AQ004	5/1/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AQ005	5/1/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Demolition Area	SS102GA	AQ006	5/1/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Artillery Range Area	SS102IA	AJ635	9/22/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IA	AJ635	9/22/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IA	AJ636	9/22/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IA	AJ636	9/22/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IA	AJ637	9/22/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IA	AJ637	9/22/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IAA	BC746	5/2/2002	SC	0	0.5	YES	EXP, METALS, SVOC	ADWP2
J-3 Artillery Range Area	SS102IAA	BC747	5/2/2002	SC	0.5	1	YES	EXP, METALS, SVOC	ADWP2
J-3 Artillery Range Area	SS102IAA	BC748	5/2/2002	SC	1	2	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102IAB	BC749	5/2/2002	SC	0	0.5	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102IAB	BC750	5/2/2002	SC	0.5	1	YES	EXP, METALS, SVOC	ADWP2

SB = soil boring
SC = soil composite
SD = soil discrete
MIS = multiple increment sample
STP = stockpile

ft. bgs = feet below ground surface

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS102IAB	BC751	5/2/2002	SC	1	2	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102IAB	BC752	5/2/2002	SC	1	2	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102IB	AJ638	9/22/2000	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Demolition Area	SS102IB	AJ638	9/22/2000	SD	0	0.25	NO	VOC	JLWP
J-3 Demolition Area	SS102IB	AJ639	9/22/2000	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Demolition Area	SS102IB	AJ639	9/22/2000	SD	0.25	0.5	NO	VOC	JLWP
J-3 Demolition Area	SS102IB	AJ640	9/22/2000	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Demolition Area	SS102IB	AJ640	9/22/2000	SD	0.5	1	NO	VOC	JLWP
J-3 Artillery Range Area	SS102IC	AQ346	5/9/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IC	AQ346	5/9/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IC	AQ347	5/9/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IC	AQ347	5/9/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IC	AQ348	5/9/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IC	AQ348	5/9/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IC	AQ349	5/9/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IC	AQ349	5/9/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102ID	AJ644	9/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102ID	AJ644	9/26/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102ID	AJ645	9/26/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102ID	AJ645	9/26/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102ID	AJ646	9/26/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102ID	AJ646	9/26/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IE	AJ647	9/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IE	AJ647	9/26/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IE	AJ648	9/26/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IE	AJ648	9/26/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IE	AJ649	9/26/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IE	AJ649	9/26/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IF	AJ650	9/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IF	AJ650	9/26/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IF	AJ651	9/26/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IF	AJ651	9/26/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IF	AJ652	9/26/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IF	AJ652	9/26/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IG	AJ668	9/25/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IG	AJ668	9/25/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IG	AJ669	9/25/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IG	AJ669	9/25/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IG	AJ670	9/25/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IG	AJ670	9/25/2000	SD	0.5	1	YES	VOC	JLWP

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ft. bgs = feet below ground surface

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Artillery Range Area	SS102IH	AJ671	9/25/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IH	AJ671	9/25/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IH	AJ672	9/25/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IH	AJ672	9/25/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IH	AJ673	9/25/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IH	AJ673	9/25/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102II	AJ674	9/25/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102II	AJ674	9/25/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102II	AJ675	9/25/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102II	AJ675	9/25/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102II	AJ676	9/25/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102II	AJ676	9/25/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IJ	AJ678	9/25/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IJ	AJ678	9/25/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IJ	AJ679	9/25/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IJ	AJ679	9/25/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IJ	AJ680	9/25/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IJ	AJ680	9/25/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IK	AJ682	9/25/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IK	AJ682	9/25/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IK	AJ683	9/25/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IK	AJ683	9/25/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IK	AJ684	9/25/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IK	AJ684	9/25/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IL	AJ685	9/25/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IL	AJ685	9/25/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IL	AJ686	9/25/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IL	AJ686	9/25/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IL	AJ687	9/25/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IL	AJ687	9/25/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IM	AJ688	9/25/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IM	AJ688	9/25/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IM	AJ689	9/25/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IM	AJ689	9/25/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IM	AJ690	9/25/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IM	AJ690	9/25/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IN	AJ768	9/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IN	AJ768	9/26/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IN	AJ769	9/26/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IN	AJ769	9/26/2000	SD	0.25	0.5	YES	VOC	JLWP

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TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Artillery Range Area	SS102IN	AJ770	9/26/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IN	AJ770	9/26/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IN	AJ771	9/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IN	AJ771	9/26/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IO	AJ723	9/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IO	AJ723	9/26/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IO	AJ724	9/26/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IO	AJ724	9/26/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102IO	AJ725	9/26/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102IO	AJ725	9/26/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102LA	AJ726	9/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102LA	AJ726	9/26/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102LA	AJ727	9/26/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102LA	AJ727	9/26/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102LA	AJ728	9/26/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102LA	AJ728	9/26/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Artillery Range Area	SS102LB	AJ729	9/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102LB	AJ729	9/26/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102LB	AJ730	9/26/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102LB	AJ730	9/26/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102LB	AJ731	9/26/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102LB	AJ731	9/26/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Demolition Area	SS102LC	AQ215	5/4/2001	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Demolition Area	SS102LC	AQ215	5/4/2001	SD	0	0.25	NO	VOC	JLWP
J-3 Demolition Area	SS102LC	AQ216	5/4/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Demolition Area	SS102LC	AQ216	5/4/2001	SD	0.25	0.5	NO	VOC	JLWP
J-3 Demolition Area	SS102LC	AQ217	5/4/2001	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Demolition Area	SS102LC	AQ217	5/4/2001	SD	0.5	1	NO	VOC	JLWP
J-3 Demolition Area	SS102LCA	BC753	5/3/2002	SC	0	0.5	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102LCA	BC754	5/3/2002	SC	0.5	1	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102LCA	BC755	5/3/2002	SC	1	2	YES	EXP, METALS, SVOC	ADWP2
J-3 Artillery Range Area	SS102LCB	BC767	5/3/2002	SC	0	0.5	YES	EXP, METALS, SVOC	ADWP2
J-3 Artillery Range Area	SS102LCB	BC768	5/3/2002	SC	0.5	1	YES	EXP, METALS, SVOC	ADWP2
J-3 Artillery Range Area	SS102LCB	BC769	5/3/2002	SC	1	2	YES	EXP, METALS, SVOC	ADWP2
J-3 Artillery Range Area	SS102LCC	BC770	5/3/2002	SC	0	0.5	YES	EXP, METALS, SVOC	ADWP2
J-3 Artillery Range Area	SS102LCC	BC771	5/3/2002	SC	0.5	1	YES	EXP, METALS, SVOC	ADWP2
J-3 Artillery Range Area	SS102LCC	BC772	5/3/2002	SC	1	2	YES	EXP, METALS, SVOC	ADWP2
J-3 Artillery Range Area	SS102LD	AJ735	9/27/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102LD	AJ735	9/27/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Artillery Range Area	SS102LD	AJ736	9/27/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP

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TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Artillery Range Area	SS102LD	AJ736	9/27/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Artillery Range Area	SS102LD	AJ737	9/27/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Artillery Range Area	SS102LD	AJ737	9/27/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Demolition Area	SS102MA	AL226	10/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Demolition Area	SS102MA	AL226	10/26/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Demolition Area	SS102MA	AL227	10/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Demolition Area	SS102MA	AL227	10/26/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Demolition Area	SS102MA	AL228	10/26/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Demolition Area	SS102MA	AL228	10/26/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Demolition Area	SS102MA	AL229	10/26/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Demolition Area	SS102MA	AL229	10/26/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Demolition Area	SS102MA	AW519	11/26/2001	SC	0.5	1	YES	HERB	JLWP
J-3 Demolition Area	SS102N1	AT354	10/11/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102N1	AT355	10/11/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102N1	AT356	10/11/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102N1	BJ532	10/23/2002	SD	0.5	1	YES	MISC	ADWP1
J-3 Demolition Area	SS102N1	BJ533	10/23/2002	SD	0.5	1	YES	MISC	ADWP1
J-3 Demolition Area	SS102N1	BK271	11/5/2002	SD	0.25	0.5	YES	MISC	ADWP1
J-3 Demolition Area	SS102N1	BK272	11/5/2002	SD	0.25	0.5	YES	MISC	ADWP1
J-3 Demolition Area	SS102N1	BK273	11/5/2002	SD	0.25	0.5	YES	MISC	ADWP1
J-3 Demolition Area	SS102N1	BK274	11/5/2002	SD	0.25	0.5	YES	MISC	ADWP1
J-3 Demolition Area	SS102N1	BK275	11/5/2002	SD	0.25	0.5	YES	MISC	ADWP1
J-3 Demolition Area	SS102N2	AT358	10/11/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102N2	AT359	10/11/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102N2	AT360	10/11/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102NA	AL140	10/24/2000	SD	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL141	10/24/2000	SD	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL142	10/24/2000	SD	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL143	10/24/2000	SD	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL144	10/24/2000	SD	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL145	10/24/2000	SD	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL146	10/24/2000	SD	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL147	10/24/2000	SD	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL148	10/24/2000	SD	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL149	10/24/2000	SD	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL150	10/24/2000	SD	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL151	10/24/2000	SD	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL152	10/24/2000	SD	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL153	10/24/2000	SD	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL154	10/24/2000	SD	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP

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TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS102NA	AL155	10/24/2000	SD	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	AL156	10/24/2000	SD	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102NA	BE250	5/24/2002	SD	0	0.25	NO	PERC	JLWP
J-3 Demolition Area	SS102NA	BE251	5/24/2002	SD	0	0.25	NO	DYES	JLWP
J-3 Demolition Area	SS102NA	BE252	5/24/2002	SD	0.25	0.5	NO	PERC	JLWP
J-3 Demolition Area	SS102NA	BE253	5/24/2002	SD	0.25	0.5	NO	DYES	JLWP
J-3 Demolition Area	SS102NA	BE254	5/24/2002	SD	0.5	1	NO	PERC	JLWP
J-3 Demolition Area	SS102NA	BE255	5/24/2002	SD	0.5	1	NO	DYES	JLWP
J-3 Demolition Area	SS102NA	BE256	5/24/2002	SD	0.5	1	NO	PERC	JLWP
J-3 Demolition Area	SS102NA	BE257	5/24/2002	SD	0.5	1	NO	DYES	JLWP
J-3 Demolition Area	SS102NAA	BC919	5/6/2002	SC	0	0.25	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NAA	BC920	5/6/2002	SC	0	0.25	YES	PERC	ADWP2
J-3 Demolition Area	SS102NAA	BC921	5/6/2002	SC	0	0.25	YES	DYES	ADWP2
J-3 Demolition Area	SS102NAA	BC922	5/6/2002	SC	0.25	0.5	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NAA	BC923	5/6/2002	SC	0.25	0.5	YES	PERC	ADWP2
J-3 Demolition Area	SS102NAA	BC924	5/6/2002	SC	0.25	0.5	YES	DYES	ADWP2
J-3 Demolition Area	SS102NAA	BC925	5/6/2002	SC	0.5	1	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NAA	BC926	5/6/2002	SC	0.5	1	YES	PERC	ADWP2
J-3 Demolition Area	SS102NAA	BC927	5/6/2002	SC	0.5	1	YES	DYES	ADWP2
J-3 Demolition Area	SS102NAA	BC928	5/6/2002	SC	0.5	1	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NAA	BC929	5/6/2002	SC	0.5	1	YES	PERC	ADWP2
J-3 Demolition Area	SS102NAA	BC930	5/6/2002	SC	0.5	1	YES	DYES	ADWP2
J-3 Demolition Area	SS102NAA	BC945	5/6/2002	SC	1.5	2	YES	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NAA	BC946	5/6/2002	SC	1.5	2	YES	PERC	ADWP2
J-3 Demolition Area	SS102NAA	BC947	5/6/2002	SC	1.5	2	YES	DYES	ADWP2
J-3 Demolition Area	SS102NAB	BC869	5/3/2002	SC	0	0.25	NO	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NAB	BC870	5/3/2002	SC	0	0.25	NO	PERC	ADWP2
J-3 Demolition Area	SS102NAB	BC871	5/3/2002	SC	0	0.25	NO	DYES	ADWP2
J-3 Demolition Area	SS102NAB	BC872	5/3/2002	SC	0.25	0.5	NO	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NAB	BC873	5/3/2002	SC	0.25	0.5	NO	PERC	ADWP2
J-3 Demolition Area	SS102NAB	BC874	5/3/2002	SC	0.25	0.5	NO	DYES	ADWP2
J-3 Demolition Area	SS102NAB	BC875	5/3/2002	SC	0.5	1	NO	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NAB	BC876	5/3/2002	SC	0.5	1	NO	PERC	ADWP2
J-3 Demolition Area	SS102NAB	BC877	5/3/2002	SC	0.5	1	NO	DYES	ADWP2
J-3 Demolition Area	SS102NAB	BC878	5/3/2002	SC	1.5	2	NO	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NAB	BC879	5/3/2002	SC	1.5	2	NO	PERC	ADWP2
J-3 Demolition Area	SS102NAB	BC880	5/3/2002	SC	1.5	2	NO	DYES	ADWP2
J-3 Demolition Area	SS102NB	AL157	10/25/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL158	10/25/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL159	10/25/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2

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ft. bgs = feet below ground surface

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS102NB	AL160	10/25/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL161	10/25/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL162	10/25/2000	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL163	10/25/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL164	10/25/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL165	10/25/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL166	10/25/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL167	10/25/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL168	10/25/2000	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL169	10/25/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL170	10/25/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL171	10/25/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL172	10/25/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	AL173	10/25/2000	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP2
J-3 Demolition Area	SS102NB	BE258	5/24/2002	SD	0	0.25	YES	PERC	ADWP2
J-3 Demolition Area	SS102NB	BE259	5/24/2002	SD	0	0.25	YES	DYES	ADWP2
J-3 Demolition Area	SS102NB	BE260	5/24/2002	SD	0.25	0.5	YES	PERC	ADWP2
J-3 Demolition Area	SS102NB	BE261	5/24/2002	SD	0.25	0.5	YES	DYES	ADWP2
J-3 Demolition Area	SS102NB	BE262	5/24/2002	SD	0.5	1	YES	PERC	ADWP2
J-3 Demolition Area	SS102NB	BE263	5/24/2002	SD	0.5	1	YES	DYES	ADWP2
J-3 Demolition Area	SS102NBA	BC931	5/6/2002	SC	0	0.25	NO	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NBA	BC932	5/6/2002	SC	0	0.25	NO	PERC	ADWP2
J-3 Demolition Area	SS102NBA	BC933	5/6/2002	SC	0	0.25	NO	DYES	ADWP2
J-3 Demolition Area	SS102NBA	BC934	5/6/2002	SC	0.25	0.5	NO	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NBA	BC935	5/6/2002	SC	0.25	0.5	NO	PERC	ADWP2
J-3 Demolition Area	SS102NBA	BC936	5/6/2002	SC	0.25	0.5	NO	DYES	ADWP2
J-3 Demolition Area	SS102NBA	BC937	5/6/2002	SC	0.5	1	NO	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NBA	BC938	5/6/2002	SC	0.5	1	NO	PERC	ADWP2
J-3 Demolition Area	SS102NBA	BC939	5/6/2002	SC	0.5	1	NO	DYES	ADWP2
J-3 Demolition Area	SS102NBA	BC948	5/6/2002	SC	1.5	2	NO	EXP, METALS, SVOC	ADWP2
J-3 Demolition Area	SS102NBA	BC949	5/6/2002	SC	1.5	2	NO	PERC	ADWP2
J-3 Demolition Area	SS102NBA	BC950	5/6/2002	SC	1.5	2	NO	DYES	ADWP2
J-3 Demolition Area	SS102PC	AT324	10/11/2001	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102PC	AT325	10/11/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102PC	AT326	10/11/2001	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102PC	AT327	10/11/2001	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102PC	AT328	10/11/2001	SC	0	0.25	NO	DYES	ADWP1
J-3 Demolition Area	SS102PC	AT329	10/11/2001	SC	0.25	0.5	NO	DYES	ADWP1
J-3 Demolition Area	SS102PC	AT330	10/11/2001	SC	0.5	1	NO	DYES	ADWP1
J-3 Demolition Area	SS102PC	AT331	10/11/2001	SC	0.5	1	NO	DYES	ADWP1

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TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS102PC	BD044	5/9/2002	SC	0	0.25	NO	PERC	ADWP1
J-3 Demolition Area	SS102PC	BD045	5/9/2002	SC	0	0.25	NO	DYES	ADWP1
J-3 Demolition Area	SS102PC	BD046	5/9/2002	SC	0.25	0.5	NO	PERC	ADWP1
J-3 Demolition Area	SS102PC	BD047	5/9/2002	SC	0.25	0.5	NO	DYES	ADWP1
J-3 Demolition Area	SS102PC	BD048	5/9/2002	SC	0.5	1	NO	PERC	ADWP1
J-3 Demolition Area	SS102PC	BD049	5/9/2002	SC	0.5	1	NO	DYES	ADWP1
J-3 Demolition Area	SS102PD	AT332	10/11/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102PD	AT332	10/11/2001	SD	0	0.25	YES	VOC	ADWP1
J-3 Demolition Area	SS102PD	AT333	10/11/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102PD	AT333	10/11/2001	SD	0.25	0.5	YES	VOC	ADWP1
J-3 Demolition Area	SS102PD	AT334	10/11/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102PD	AT334	10/11/2001	SD	0.5	1	YES	VOC	ADWP1
J-3 Demolition Area	SS102PD	AT335	10/11/2001	SC	0	0.25	YES	DYES	ADWP1
J-3 Demolition Area	SS102PD	AT336	10/11/2001	SC	0.25	0.5	YES	DYES	ADWP1
J-3 Demolition Area	SS102PD	AT337	10/11/2001	SC	0.5	1	YES	DYES	ADWP1
J-3 Demolition Area	SS102PD	BD050	5/9/2002	SC	0	0.25	YES	PERC	ADWP1
J-3 Demolition Area	SS102PD	BD051	5/9/2002	SC	0	0.25	YES	DYES	ADWP1
J-3 Demolition Area	SS102PD	BD052	5/9/2002	SC	0.25	0.5	YES	PERC	ADWP1
J-3 Demolition Area	SS102PD	BD053	5/9/2002	SC	0.25	0.5	YES	DYES	ADWP1
J-3 Demolition Area	SS102PD	BD054	5/9/2002	SC	0.5	1	YES	PERC	ADWP1
J-3 Demolition Area	SS102PD	BD055	5/9/2002	SC	0.5	1	YES	DYES	ADWP1
J-3 Demolition Area	SS102PE	AT338	10/11/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102PE	AT338	10/11/2001	SD	0	0.25	YES	VOC	ADWP1
J-3 Demolition Area	SS102PE	AT339	10/11/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102PE	AT339	10/11/2001	SD	0.25	0.5	YES	VOC	ADWP1
J-3 Demolition Area	SS102PE	AT340	10/11/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102PE	AT340	10/11/2001	SD	0.5	1	YES	VOC	ADWP1
J-3 Demolition Area	SS102PE	AT341	10/11/2001	SC	0	0.25	YES	DYES	ADWP1
J-3 Demolition Area	SS102PE	AT342	10/11/2001	SC	0.25	0.5	YES	DYES	ADWP1
J-3 Demolition Area	SS102PE	AT343	10/11/2001	SC	0.5	1	YES	DYES	ADWP1
J-3 Demolition Area	SS102U	AZ605	3/28/2002	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Demolition Area	SS102U	AZ606	3/28/2002	SD	0	0.25	YES	PERC	JLWP
J-3 Demolition Area	SS102UA	AT110	10/2/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UA	AT110	10/2/2001	SD	0	0.25	YES	VOC	ADWP1
J-3 Demolition Area	SS102UA	AT111	10/2/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UA	AT111	10/2/2001	SD	0.25	0.5	YES	VOC	ADWP1
J-3 Demolition Area	SS102UA	AT112	10/2/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UA	AT112	10/2/2001	SD	0.5	1	YES	VOC	ADWP1
J-3 Demolition Area	SS102UA	AT113	10/2/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UA	AT113	10/2/2001	SD	0.5	1	YES	VOC	ADWP1

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TABLE 4-7
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Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS102UA	AT114	10/2/2001	SC	1.5	2	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UA	AT114	10/2/2001	SD	1.5	2	YES	VOC	ADWP1
J-3 Demolition Area	SS102UB	AT115	10/2/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UB	AT115	10/2/2001	SD	0	0.25	YES	VOC	ADWP1
J-3 Demolition Area	SS102UB	AT116	10/2/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UB	AT116	10/2/2001	SD	0.25	0.5	YES	VOC	ADWP1
J-3 Demolition Area	SS102UB	AT117	10/2/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UB	AT117	10/2/2001	SD	0.5	1	YES	VOC	ADWP1
J-3 Demolition Area	SS102UB	AT118	10/2/2001	SC	1.5	2	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UB	AT118	10/2/2001	SD	1.5	2	YES	VOC	ADWP1
J-3 Demolition Area	SS102UC	AT119	10/3/2001	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102UC	AT120	10/3/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102UC	AT121	10/3/2001	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102UC	AT122	10/3/2001	SC	1.5	2	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Artillery Range Area	SS102UD	AT123	10/1/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP2
J-3 Artillery Range Area	SS102UD	AT123	10/1/2001	SD	0	0.25	YES	VOC	ADWP2
J-3 Artillery Range Area	SS102UD	AT124	10/1/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP2
J-3 Artillery Range Area	SS102UD	AT124	10/1/2001	SD	0.25	0.5	YES	VOC	ADWP2
J-3 Artillery Range Area	SS102UD	AT125	10/1/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP2
J-3 Artillery Range Area	SS102UD	AT125	10/1/2001	SD	0.5	1	YES	VOC	ADWP2
J-3 Artillery Range Area	SS102UD	AT126	10/1/2001	SC	1.5	2	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP2
J-3 Artillery Range Area	SS102UD	AT126	10/1/2001	SD	1.5	2	YES	VOC	ADWP2
J-3 Artillery Range Area	SS102UE	AT127	10/1/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP2
J-3 Artillery Range Area	SS102UE	AT127	10/1/2001	SD	0	0.25	YES	VOC	ADWP2
J-3 Artillery Range Area	SS102UE	AT128	10/1/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP2
J-3 Artillery Range Area	SS102UE	AT128	10/1/2001	SD	0.25	0.5	YES	VOC	ADWP2
J-3 Artillery Range Area	SS102UE	AT129	10/1/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP2
J-3 Artillery Range Area	SS102UE	AT129	10/1/2001	SD	0.5	1	YES	VOC	ADWP2
J-3 Artillery Range Area	SS102UE	AT130	10/1/2001	SC	1.5	2	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP2
J-3 Artillery Range Area	SS102UE	AT130	10/1/2001	SD	1.5	2	YES	VOC	ADWP2
J-3 Demolition Area	SS102UF	AT131	10/2/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UF	AT131	10/2/2001	SD	0	0.25	YES	VOC	ADWP1
J-3 Demolition Area	SS102UF	AT132	10/2/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UF	AT132	10/2/2001	SD	0.25	0.5	YES	VOC	ADWP1
J-3 Demolition Area	SS102UF	AT133	10/2/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UF	AT133	10/2/2001	SD	0.5	1	YES	VOC	ADWP1
J-3 Demolition Area	SS102UF	AT134	10/2/2001	SC	1.5	2	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UF	AT134	10/2/2001	SD	1.5	2	YES	VOC	ADWP1
J-3 Demolition Area	SS102UG	AT135	10/1/2001	SC	0	0.25	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102UG	AT136	10/1/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1

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Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS102UG	AT137	10/1/2001	SC	0.25	0.5	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102UG	AT138	10/1/2001	SC	0.5	1	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102UG	AT139	10/1/2001	SC	1.5	2	NO	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	ADWP1
J-3 Demolition Area	SS102UH	AT140	10/1/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UH	AT140	10/1/2001	SD	0	0.25	YES	VOC	ADWP1
J-3 Demolition Area	SS102UH	AT141	10/1/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UH	AT141	10/1/2001	SD	0.25	0.5	YES	VOC	ADWP1
J-3 Demolition Area	SS102UH	AT142	10/1/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UH	AT142	10/1/2001	SD	0.5	1	YES	VOC	ADWP1
J-3 Demolition Area	SS102UH	AT143	10/1/2001	SC	1.5	2	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UH	AT143	10/1/2001	SD	1.5	2	YES	VOC	ADWP1
J-3 Demolition Area	SS102UH	AT144	10/1/2001	SC	1.5	2	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UH	AT144	10/1/2001	SD	1.5	2	YES	VOC	ADWP1
J-3 Demolition Area	SS102UI	AT145	10/2/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UI	AT145	10/2/2001	SD	0	0.25	YES	VOC	ADWP1
J-3 Demolition Area	SS102UI	AT146	10/2/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UI	AT146	10/2/2001	SD	0	0.25	YES	VOC	ADWP1
J-3 Demolition Area	SS102UI	AT147	10/2/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UI	AT147	10/2/2001	SD	0.25	0.5	YES	VOC	ADWP1
J-3 Demolition Area	SS102UI	AT148	10/2/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UI	AT148	10/2/2001	SD	0.5	1	YES	VOC	ADWP1
J-3 Demolition Area	SS102UI	AT149	10/2/2001	SC	1.5	2	YES	EXP, HERB, METALS, MISC, PEST, SVOC	ADWP1
J-3 Demolition Area	SS102UI	AT149	10/2/2001	SD	1.5	2	YES	VOC	ADWP1
J-3 Demolition Area	SS102Y	MM1TA-N_grab	6/10/2004	SD	0	0.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SS102YA	MM1TA-E_grab	6/16/2004	SD	0	0.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SS102YB	MM1TA-E2_G	6/17/2004	SD	0	0.25	YES	PERC	J3RRA
J-3 Demolition Area	SS102YB	MM1TA-E2_grab	6/17/2004	SD	0	0.25	YES	EXP	J3RRA
J-3 Demolition Area	SS102YC	MM1TA-W3	6/17/2004	SD	0	0.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SS102YD	J3AD01-A	6/23/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	SS102YD	J3AD01-B	6/23/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	SS102YD	J3AD01-C	6/23/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	SS102YE	J3AD02-A	6/23/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	SS102YE	J3AD02-B	6/23/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	SS102YE	J3AD02-C	6/23/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	SS102YF	J3AD03-A	6/23/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	SS102YF	J3AD03-B	6/23/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	SS102YF	J3AD03-C	6/23/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3RRA
J-3 Artillery Range Area	SS102YG	J3AD4-A	6/23/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS102YG	J3AD4-B	6/23/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS102YG	J3AD4-C	6/23/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP

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SD = soil discrete
MIS = multiple increment sample
STP = stockpile

ft. bgs = feet below ground surface

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Artillery Range Area	SS102YH	J3AD5-A	6/23/2004	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS102YH	J3AD5-B	6/23/2004	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS102YH	J3AD5-C	6/23/2004	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS102Z	MM1TA-S_grab	6/10/2004	SD	0	0.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SS102ZA	MM1TA-W_grab	6/16/2004	SD	0	0.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SS102ZB	MM1TA-W2	6/17/2004	SD	0	0.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SS102ZC	MM1TA-NE	6/17/2004	SD	0	0.25	YES	EXP, PERC	J3RRA
J-3 Artillery Range Area	SS15022-A	102IB-01	10/17/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15023-A	102U1-01	10/20/2003	SD	0	0.25	YES	EXP, METALS, PCB, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15023-A	102U1-01FD	10/20/2003	SD	0	0.25	YES	EXP, METALS, PCB, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15023-A	102U1-02	10/20/2003	SD	0.5	1	YES	EXP, METALS, PCB, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15024-A	102U2-01	10/20/2003	SD	0	0.25	YES	EXP, METALS, PCB, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15024-A	102U2-02	10/20/2003	SD	0.5	1	YES	EXP, METALS, PCB, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15025-A	102U3-01	10/20/2003	SD	0	0.25	YES	EXP, METALS, PCB, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15025-A	102U3-02	10/20/2003	SD	0.5	1	YES	EXP, METALS, PCB, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15026-A	102U4-01	10/20/2003	SD	0	0	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15026-A	102U4-01	10/20/2003	SD	0	0.25	YES	PERC	J3SWP
J-3 Demolition Area	SS15026-A	102U4-02	10/20/2003	SD	0	0	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15026-A	102U4-02	10/20/2003	SD	0.5	1	YES	PERC	J3SWP
J-3 Demolition Area	SS15026-A	102U4-02	10/20/2003	SD	0	0	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15026-A	102U4-02	10/20/2003	SD	0.5	1	YES	PERC	J3SWP
J-3 Artillery Range Area	SS15027-A	102IP-01	10/17/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15027-A	102IP-02	10/17/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15028-A	102IQ-01	10/16/2003	SC	0	0.5	YES	EXP, PERC	J3SWP
J-3 Artillery Range Area	SS15028-A	102IQ-02	10/16/2003	SC	1.5	2	YES	EXP, PERC	J3SWP
J-3 Demolition Area	SS15029-A	102JA-A-01	10/30/2003	SC	0	0.25	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-A	102JA-A-02	10/30/2003	SC	0.25	0.5	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-A	102JA-A-03	10/30/2003	SC	0.5	1	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-B	102JA-B-01	10/30/2003	SC	0	0.25	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-B	102JA-B-02	10/30/2003	SC	0.25	0.5	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-B	102JA-B-02FD	10/30/2003	SC	0.25	0.5	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-B	102JA-B-03	10/30/2003	SC	0.5	1	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-C	102JA-C-01	10/30/2003	SC	0	0.25	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-C	102JA-C-02	10/30/2003	SC	0.25	0.5	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-C	102JA-C-03	10/30/2003	SC	0.5	1	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-C	102JA-C-03FD	10/30/2003	SC	0.5	1	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-D	102JA-D-01	10/30/2003	SD	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-D	102JA-D-02	10/30/2003	SD	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-D	102JA-D-03	10/30/2003	SD	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-E	102JA-E-01	10/30/2003	SD	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-E	102JA-E-02	10/30/2003	SD	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15029-E	102JA-E-03	10/30/2003	SD	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP

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ft. bgs = feet below ground surface

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS15030-A	102KA-A-01	10/31/2003	SC	0	0.25	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15030-A	102KA-A-02	10/31/2003	SC	0.25	0.5	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15030-A	102KA-A-03	10/31/2003	SC	0.5	1	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15030-B	102KA-B-01	10/31/2003	SC	0	0.25	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15030-B	102KA-B-02	10/31/2003	SC	0.25	0.5	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15030-B	102KA-B-03	10/31/2003	SC	0.5	1	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15030-C	102KA-C-01	10/31/2003	SC	0	0.25	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15030-C	102KA-C-01FD	10/31/2003	SC	0	0.25	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15030-C	102KA-C-02	10/31/2003	SC	0.25	0.5	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15030-C	102KA-C-03	10/31/2003	SC	0.5	1	NO	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15030-D	102KA-D-01	10/31/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15030-D	102KA-D-02	10/31/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15030-D	102KA-D-02FD	10/31/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15030-D	102KA-D-03	10/31/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15030-E	102KA-E-01	10/31/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15030-E	102KA-E-02	10/31/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15030-E	102KA-E-03	10/31/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-A	102KB-A-01	11/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-A	102KB-A-01	11/3/2003	SC	0.25	0.5	YES	PERC	J3SWP
J-3 Artillery Range Area	SS15031-A	102KB-A-01	11/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-A	102KB-A-01	11/3/2003	SC	0.5	1	YES	PERC	J3SWP
J-3 Artillery Range Area	SS15031-A	102KB-A-02	11/3/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-A	102KB-A-03	11/3/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-B	102KB-B-01	11/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-B	102KB-B-02	11/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-B	102KB-B-03	11/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-C	102KB-C-01	11/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-C	102KB-C-02	11/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-C	102KB-C-03	11/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-D	102KB-D-01	11/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-D	102KB-D-01FD	11/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-D	102KB-D-02	11/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-D	102KB-D-03	11/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-E	102KB-E-01	11/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-E	102KB-E-02	11/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Artillery Range Area	SS15031-E	102KB-E-03	11/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15032-A	102NAC-01	10/21/2003	SC	0	0.25	NO	DYES, PERC, EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15032-A	102NAC-02	10/21/2003	SC	0.5	1	NO	DYES, PERC, EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15033-A	102NAD-01	10/21/2003	SC	0	0.25	NO	DYES, PERC, EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15033-A	102NAD-02	10/21/2003	SC	0.5	1	NO	DYES, PERC, EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15033-A	102NAD-02FD	10/21/2003	SC	0.5	1	NO	DYES, PERC, EXP, METALS, SVOC	J3SWP

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TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS15034-A	102NAE-01	10/21/2003	SC	0	0.25	NO	DYES, PERC, EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15034-A	102NAE-02	10/21/2003	SC	0.5	1	NO	DYES, PERC, EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15035-A	102PG-01	10/21/2003	SC	0	0.25	YES	DYES, PERC, EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15035-A	102PG-02	10/21/2003	SC	0.5	1	YES	DYES, PERC, EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15036-A	102PF-01	10/21/2003	SC	0	0	YES	EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15036-A	102PF-01	10/21/2003	SC	0	0.25	YES	DYES, PERC	J3SWP
J-3 Demolition Area	SS15036-A	102PF-02	10/21/2003	SC	0	0	YES	EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15036-A	102PF-02	10/21/2003	SC	0.5	1	YES	DYES, PERC	J3SWP
J-3 Demolition Area	SS15037-A	102PHT-01	10/21/2003	SD	0	0	YES	EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15037-A	102PHT-01	10/21/2003	SD	0	0.5	YES	PERC	J3SWP
J-3 Demolition Area	SS15038-A	102FE-01	10/23/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15038-A	102FE-01FD	10/23/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15038-A	102FE-02	10/23/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15039-A	102FF-01	10/23/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15039-A	102FF-02	10/23/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15040-A	102FG-01	10/23/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15040-A	102FG-02	10/23/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15041-A	102FH-01	10/23/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15041-A	102FH-02	10/23/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15041-A	102FH-02FD	10/23/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15042-A	102FI-01	10/23/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15042-A	102FI-02	10/23/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15043-A	102FJ-01	10/23/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15043-A	102FJ-02	10/23/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15044-A	102UJ-01	10/22/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15044-A	102UJ-02	10/22/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15045-A	102UK-01	10/21/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15045-A	102UK-02	10/21/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15045-A	102UK-02FD	10/21/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15046-A	102UL-01	10/21/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15046-A	102UL-02	10/21/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15047-A	102UM-01	10/22/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15047-A	102UM-02	10/22/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15048-A	102UN-01	10/22/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15048-A	102UN-02	10/22/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15049-A	102UO-01	10/22/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15049-A	102UO-01	10/22/2003	SC	0.5	1	YES	PERC	J3SWP
J-3 Demolition Area	SS15049-A	102UO-01FD	10/22/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15050-A	102UP-01	10/22/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15050-A	102UP-02	10/22/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP

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ft. bgs = feet below ground surface

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS15051-A	102UQ-01	10/22/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15051-A	102UQ-02	10/22/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Demolition Area	SS15052-A	102UR-01	10/22/2003	SC	0	0	YES	EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15052-A	102UR-01	10/22/2003	SC	0	0.25	YES	PERC	J3SWP
J-3 Demolition Area	SS15052-A	102UR-02	10/22/2003	SC	0	0	YES	EXP, METALS, SVOC	J3SWP
J-3 Demolition Area	SS15052-A	102UR-02	10/22/2003	SC	0.5	1	YES	PERC	J3SWP
J-3 Demolition Area	SS15094-A	ECC091203J302 (post_a)	9/17/2003	BIP_POST	0	2	NO	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS15094-A	ECC091203J302 (post_b)	9/17/2003	BIP_POST	0	2	NO	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS15094-A	ECC091203J302 (pre)	9/17/2003	BIP_PRE	0	2	NO	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094A_PE1	1/3/2007	BIP_Post Ex	0	0.25	YES	EXP, METALS, PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094A_PE2	1/3/2007	BIP_Post Ex	0	0.25	YES	EXP, METALS, PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094A_PE3	1/3/2007	BIP_Post Ex	0	0.25	YES	EXP, METALS, PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094A_PE4	6/27/2007	BIP_Post Ex	2	2.25	YES	METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094A_PE5	6/27/2007	BIP_Post Ex	2	2.25	YES	METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094A_PE6	6/27/2007	BIP_Post Ex	2	2.25	YES	METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS1	4/12/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS1	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS2	4/12/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS2	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS2	4/12/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS2	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS3	4/12/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS3	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS4	4/12/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS4	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS5	4/12/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS5	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS6	4/12/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS6	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS7	4/12/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS7	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS8	4/12/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS15094-A	SS15094-SS8	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	ECC091503J301 (post)	9/17/2003	BIP_POST	0	2	NO	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS15095-A	ECC091503J301 (pre)	9/17/2003	BIP_PRE	0	2	NO	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095A_PE1	5/17/2006	BIP_Post Ex	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095A_PE2	5/17/2006	BIP_Post Ex	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095A_PE3	5/17/2006	BIP_Post Ex	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095-SS1	4/12/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095-SS2	4/12/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095-SS2FD	4/12/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095-SS3	4/12/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan

SB = soil boring
SC = soil composite
SD = soil discrete
MIS = multiple increment sample
STP = stockpile

ft. bgs = feet below ground surface

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SS15095-A	SS15095-SS4	4/12/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095-SS5	4/12/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095-SS6	4/12/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095-SS7	4/12/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15095-A	SS15095-SS8	4/12/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SS15096-A	ECC091503J302 (post)	9/17/2003	BIP_POST	0	2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS15096-A	ECC091503J302 (pre)	9/17/2003	BIP_PRE	0	2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15098-A	ECC091803J301 (post)	10/8/2003	BIP_POST	0	2	YES	EXP, METALS, PCN, SVOC	BIP Plan
J-3 Artillery Range Area	SS15098-A	ECC091803J301 (pre)	10/8/2003	BIP_PRE	0	2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15201-A	ECC022504J302 (post)	3/18/2004	BIP_POST	0	0.2	YES	EXP, METALS, SVOC	BIP Plan
J-3 Artillery Range Area	SS15201-A	ECC022504J302 (pre)	3/17/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15202-A	ECC030304J301 (post)	3/18/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15202-A	ECC030304J301 (pre)	3/17/2004	BIP_PRE	0	0.2	YES	PCN, PERC	BIP Plan
J-3 Artillery Range Area	SS15202-A	ECC030304J302 (pre)	3/17/2004	BIP_PRE	0	0.2	YES	EXP, METALS, SVOC	BIP Plan
J-3 Artillery Range Area	SS15203-A	ECC030504J302 (post)	3/18/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15203-A	ECC030504J302 (pre)	3/17/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15204-A	ECC030804J301 (post)	3/18/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15204-A	ECC030804J301 (pre)	3/17/2004	BIP_PRE	0	0.2	YES	METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15205-A	ECC030904J301 (post)	3/18/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15205-A	ECC030904J301 (pre)	3/17/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15206-A	ECC031004J301 (post)	3/18/2004	BIP_POST	0	0.2	NO	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15206-A	ECC031004J301 (pre)	3/17/2004	BIP_PRE	0	0.2	NO	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15206-A	ECC031004J301-SS1	8/26/2004	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	ECC031004J301-SS2	8/26/2004	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	ECC031004J301-SS3	8/26/2004	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	ECC031004J301-SS4	8/26/2004	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	ECC031004J301-SS5	8/26/2004	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	ECC031004J301-SS6	8/26/2004	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	ECC031004J301-SS7	8/26/2004	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	ECC031004J301-SS8	8/26/2004	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206A_PE10	1/25/2007	BIP_Post Ex	1	1.25	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206A_PE11	1/25/2007	BIP_Post Ex	1	1.25	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206A_PE12	1/25/2007	BIP_Post Ex	1	1.25	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206A_PE7	8/22/2006	BIP_Post Ex	0	0.25	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206A_PE8	8/22/2006	BIP_Post Ex	0	0.25	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206A_PE9	8/22/2006	BIP_Post Ex	0	0.25	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-A-PE1	5/23/2006	BIP_Post Ex	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-A-PE2	5/23/2006	BIP_Post Ex	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-A-PE3	5/23/2006	BIP_Post Ex	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206A-PE4	6/23/2006	BIP_Post Ex	0	0.2	YES	EXP	BIP Plan

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ft. bgs = feet below ground surface

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Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Artillery Range Area	SS15206-A	SS15206A-PE5	6/23/2006	BIP_Post Ex	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206A-PE6	6/23/2006	BIP_Post Ex	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-SS1	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-SS2	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-SS3	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-SS4	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-SS5	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-SS6	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-SS7	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15206-A	SS15206-SS8	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Artillery Range Area	SS15207-A	ECC031004J302 (post)	3/18/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15207-A	ECC031004J302 (pre)	3/17/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15208-A	ECC031104J301 (post)	3/18/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15208-A	ECC031104J301 (pre)	3/17/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15213-A	ECC031704J301 (post)	3/25/2004	BIP_POST	0	0.2	YES	EXP, METALS, SVOC	BIP Plan
J-3 Artillery Range Area	SS15213-A	ECC031704J301 (pre)	3/25/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS15214-A	ECC031704J302 (post)	3/25/2004	BIP_POST	0	0.2	YES	EXP, METALS, SVOC	BIP Plan
J-3 Demolition Area	SS15214-A	ECC031704J302 (pre)	3/25/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS15215-A	ECC032304J301 (post)	3/25/2004	BIP_POST	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS15215-A	ECC032304J301 (pre)	3/25/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15216-A	ECC032604J301 (post)	4/1/2004	BIP_POST	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Artillery Range Area	SS15216-A	ECC032604J301 (pre)	4/1/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS338-A	ECC082603J301 (pre)	8/29/2003	BIP_PRE	0	2	NO	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS338-A	ECC082603J301(post)	8/29/2003	BIP_POST	0	2	NO	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Demolition Area	SS338-A	SS338A_PE1	8/29/2006	BIP_Post Ex	0	0.25	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338A_PE2	8/29/2006	BIP_Post Ex	0	0.25	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338A_PE3	8/29/2006	BIP_Post Ex	0	0.25	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338-SS1	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338-SS2	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338-SS3	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338-SS4	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338-SS4FD	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338-SS5	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338-SS6	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338-SS7	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SS338-A	SS338-SS8	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
J-3 Demolition Area	SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SC	2	2.25	YES	EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SC	0	0.25	NO	EXP, METALS, PERC, SVOC	J3RRA
J-3 Demolition Area	SSJ3C7003	ECC080504J301 (post)	8/12/2004	BIP_POST	0	0.2	NO	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3C7003	ECC080504J301 (pre)	8/11/2004	BIP_PRE	0	0.2	NO	EXP, METALS, PERC, SVOC	BIP Plan

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ft. bgs = feet below ground surface

TABLE 4-7
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Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SSJ3C7003	J3C7003_PE1	8/29/2006	BIP_Post Ex	0	0.25	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7003	J3C7003_PE2	8/29/2006	BIP_Post Ex	0	0.25	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7003	J3C7003_PE3	8/29/2006	BIP_Post Ex	0	0.25	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7003	SSJ3C7003-SS1	4/19/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7003	SSJ3C7003-SS2	4/19/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7003	SSJ3C7003-SS3	4/19/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7003	SSJ3C7003-SS4	4/19/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7003	SSJ3C7003-SS5	4/19/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7003	SSJ3C7003-SS6	4/19/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7003	SSJ3C7003-SS7	4/19/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7003	SSJ3C7003-SS8	4/19/2005	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3C7004	ECC080504J302 (post)	8/12/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3C7004	ECC080504J302 (pre)	8/11/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	BIP_PRE	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3D5001	SSJ3D5001-SS1	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3D5001	SSJ3D5001-SS2	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3D5001	SSJ3D5001-SS3	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3D5001	SSJ3D5001-SS4	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3D5001	SSJ3D5001-SS5	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3D5001	SSJ3D5001-SS6	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3D5001	SSJ3D5001-SS7	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3D5001	SSJ3D5001-SS8	4/20/2006	BIP_SS	0	0.2	YES	PERC	BIP Plan
J-3 Demolition Area	SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	BIP_PRE	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3D6004	J3NDD6001_D	3/9/2006	SD_ITEM	0	0.25	NO	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3D6BLP001	J3D6_BLP_001 (PE)	3/15/2006	SD_ITEM	0	0.25	NO	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	BLP_STP	0	0.25	NO	EXP, METALS, MISC, PERC, SVOC	NODA PN
J-3 Artillery Range Area	SSJ3DA001	J3DA (base)	11/18/2004	SC	0	0	YES	TPH	J3RRA
J-3 Artillery Range Area	SSJ3DA001	J3DA (sidewall_east)	12/8/2004	SD	0	0	YES	VOC	J3RRA
J-3 Artillery Range Area	SSJ3DA001	J3DA (sidewalls)	11/18/2004	SC	0	0	YES	TPH	J3RRA
J-3 Demolition Area	SSJ3DA01	J3DA01_100A	9/15/2008	MIS	0	0.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DA01	J3DA01_100B	9/15/2008	MIS	0.75	1	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DA02	J3DA02_030A	9/15/2008	MIS	0	0.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM001	SSJ3DM001_J3RRA	8/17/2004	SC	2	2.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM002	SSJ3DM002_J3RRA	8/17/2004	SC	2	2.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM003	SSJ3DM003_J3RRA	8/17/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM004	SSJ3DM004_J3RRA	8/17/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM005	SSJ3DM005_J3RRA	8/17/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
J-3 Artillery Range Area	SSJ3DM006	SSJ3DM006_J3RRA	8/17/2004	SC	1.25	1.5	YES	EXP, PERC	J3RRA

SB = soil boring
SC = soil composite
SD = soil discrete
MIS = multiple increment sample
STP = stockpile

ft. bgs = feet below ground surface

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SSJ3DM007	J3DM007_J3RRA	8/24/2004	SC	3	3.25	NO	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM007	J3DM007_J3RRA-FD	8/24/2004	SC	3	3.25	NO	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM007	J3DM007-02	9/15/2004	SC	4	4.25	NO	PERC	J3RRA
J-3 Demolition Area	SSJ3DM007	J3DM007-03	10/17/2004	SC	5	5.25	NO	PERC	J3RRA
J-3 Demolition Area	SSJ3DM007	J3DM007-04	11/9/2004	SC	6	6.25	NO	PERC	J3RRA
J-3 Demolition Area	SSJ3DM007	J3DM007-04	11/23/2004	SC	6	6.25	NO	PERC	J3RRA
J-3 Demolition Area	SSJ3DM007	SSJ3DM007-05	12/13/2004	SC	7	7.25	YES	PERC	J3RRA
J-3 Demolition Area	SSJ3DM008	J3DM008-02	9/15/2004	SC	4	4.25	NO	PERC	J3RRA
J-3 Demolition Area	SSJ3DM008	J3DM008-03	10/17/2004	SC	5	5.25	NO	PERC	J3RRA
J-3 Demolition Area	SSJ3DM008	J3DM008-04	11/16/2004	SC	6	6.25	YES	PERC	J3RRA
J-3 Demolition Area	SSJ3DM008	SSJ3DM008_J3RRA	8/17/2004	SC	3	3.25	NO	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM009	SSJ3DM009_J3RRA	8/17/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM010	SSJ3DM010_J3RRA	8/17/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM011	SSJ3DM011_J3RRA	8/17/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM012	J3DM012-02	9/15/2004	SC	3	3.25	YES	EXP, PERC	J3RRA
J-3 Demolition Area	SSJ3DM012	SSJ3DM012_J3RRA	8/17/2004	SC	2	2.25	NO	EXP, PERC	J3RRA
J-3 Artillery Range Area	SSJ3DM013	SSJ3DM013_J3RRA	8/17/2004	SC	2	2.25	YES	EXP, PERC	J3RRA
J-3 Artillery Range Area	SSJ3DRUM	J3Drumsoil	3/22/2004	SD	0	0.25	YES	VOC	J3RRA
J-3 Artillery Range Area	SSJ3DRUM	J3Drumsoil	3/22/2004	STP	0	0.25	YES	EXP, METALS	J3RRA
J-3 Demolition Area	SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	BIP_POST	0	0.25	NO	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	BIP_PRE	0	0.25	NO	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	BIP_PRE	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Demolition Area	SSJ3GPTA01	J3GPTA01_030A	9/15/2008	MIS	0	0.25	YES	PERC	J3 RI SS PN
J-3 Demolition Area	SSJ3GPTA01	J3GPTA01_030AR1	9/15/2008	MIS	0	0.25	YES	PERC	J3 RI SS PN
J-3 Demolition Area	SSJ3GPTA01	J3GPTA01_030AR2	9/15/2008	MIS	0	0.25	YES	PERC	J3 RI SS PN
J-3 Demolition Area	SSJ3GPTA01	J3GPTA01_030B	9/15/2008	MIS	0.75	1	YES	PERC	J3 RI SS PN
J-3 Demolition Area	SSJ3NDA_L1	J3NDA_L1DRUM_D	2/24/2006	SD	0	0.25	NO	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA01	J3NDA01_A	1/30/2006	SC	0	0.25	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA01	J3NDA01_A FD	1/30/2006	SC	0	0.25	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA01	J3NDA01_B	1/30/2006	SC	0.25	0.5	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA01	J3NDA01_C	1/30/2006	SC	0.5	1	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA02	J3NDA02_A	1/30/2006	SC	0	0.25	NO	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA02	J3NDA02_B	1/30/2006	SC	0.25	0.5	NO	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA02	J3NDA02_C	1/30/2006	SC	0.5	1	NO	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA02	J3NDA02_D	8/9/2006	SC	1	1.5	NO	EXP	NODA PN
J-3 Demolition Area	SSJ3NDA03	J3NDA03_A	1/30/2006	SC	0	0.25	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA03	J3NDA03_B	1/30/2006	SC	0.25	0.5	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA03	J3NDA03_C	1/30/2006	SC	0.5	1	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA04	J3NDA04_A	1/30/2006	SC	0	0.25	YES	EXP, PERC	NODA PN

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STP = stockpile

ft. bgs = feet below ground surface

TABLE 4-7
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
J-3 Demolition Area	SSJ3NDA04	J3NDA04_B	1/30/2006	SC	0.25	0.5	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA04	J3NDA04_C	1/30/2006	SC	0.5	1	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA05	J3NDA05_A	1/30/2006	SC	0	0.25	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA05	J3NDA05_B	1/30/2006	SC	0.25	0.5	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA05	J3NDA05_C	1/30/2006	SC	0.5	1	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA06	J3NDA06_A	1/30/2006	SC	0	0.25	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA06	J3NDA06_B	1/30/2006	SC	0.25	0.5	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3NDA06	J3NDA06_C	1/30/2006	SC	0.5	1	YES	EXP, PERC	NODA PN
J-3 Demolition Area	SSJ3RCTDU1	J3RCTDU1_030A	9/15/2008	MIS	0	0.25	YES	PERC	J3 RI SS PN
J-3 Demolition Area	SSJ3RCTDU1	J3RCTDU1_030B	9/15/2008	MIS	0.75	1	YES	PERC	J3 RI SS PN
J-3 Demolition Area	SSJ3RCTDU2	J3RCTDU2_030A	9/15/2008	MIS	0	0.25	YES	PERC	J3 RI SS PN
J-3 Demolition Area	SSJ3RCTDU2	J3RCTDU2_030B	9/15/2008	MIS	0.75	1	YES	PERC	J3 RI SS PN
J-3 Demolition Area	SSJ3E002	SSJ3E002_PO	11/29/2012	BIP_Post Ex	0	0.25	YES	Copper/Lead	BIP Plan
J-3 Demolition Area	SSJ3E002	SSJ3E002_POA	11/29/2012	BIP_Post Ex	0	0.25	YES	Copper/Lead	BIP Plan
J-3 Demolition Area	SSJ3E002	SSJ3E002_POB	11/29/2012	BIP_Post Ex	0	0.25	YES	Copper/Lead	BIP Plan

Notes:

JLWP = Final J-1, J-3 and L Range Workplan (Ogden, 2000)
ADWP1 = Final J-1, J-3 and L Ranges Additional Delineation Workplan No. 1 (AMEC, 2001a)
ADWP2 = Final J-1, J-3 and L Ranges Additional Delineation Workplan No. 2 (AMEC, 2002a)
J3SWP = Final J-3 Range Supplemental Soil Work Plan (AMEC, 2004)
BIP Plan = Final BIP Sampling and Analysis Plan (AMEC, 2004)
J3RRA = Final J-3 Range Rapid Response Action (J3RRA) Completion Repost (ECC, 2005)
NODA PN = Final J-3 Range North of Demolition Area Geophysical Investigation Map & Locations of Intrusvie Investigation (ECC, 2006)
J3 RI SS PN = Final Revised J-3 Range Remedial Investigation Soil Sampling Project Note (ECC, 2008)

SB = soil boring
SC = soil composite
SD = soil discrete
MIS = multiple increment sample
STP = stockpile

ft. bgs = feet below ground surface

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH51-A	102LC-01	11/6/2003	SW6010B	ALUMINUM (TOTAL)	9170		2.3	20.5	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	ARSENIC (TOTAL)	3.6		0.36	1.03	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	BARIUM (TOTAL)	15.8	J	1.2	20.5	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.031	0.51	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	BORON (TOTAL)	2.9	J	0.66	10.3	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	CALCIUM (TOTAL)	497	J	33.3	513	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	CHROMIUM (TOTAL)	13.2		0.13	1.03	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	COBALT (TOTAL)	2.5	J	0.32	5.13	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	COPPER (TOTAL)	5.6		0.21	2.56	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	IRON (TOTAL)	10900		2.9	10.3	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	LEAD (TOTAL)	7.6		0.14	0.31	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	MAGNESIUM (TOTAL)	1350		30.9	513	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	MANGANESE (TOTAL)	70		0.12	1.54	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	NICKEL (TOTAL)	6.3		0.29	4.1	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	POTASSIUM (TOTAL)	589		53.5	513	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	SELENIUM (TOTAL)	0.44	J	0.31	0.51	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	SODIUM (TOTAL)	344	J	51.5	513	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	VANADIUM (TOTAL)	17.5		0.39	5.13	mg/Kg
BH51-A	102LC-01	11/6/2003	SW6010B	ZINC (TOTAL)	15.7		0.24	2.05	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	ALUMINUM (TOTAL)	1810		2.1	18.7	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	ARSENIC (TOTAL)	2.5		0.33	0.94	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	BARIUM (TOTAL)	5	J	1.1	18.7	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.028	0.47	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	BORON (TOTAL)	1.5	J	0.6	9.36	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	CALCIUM (TOTAL)	118	J	30.4	468	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	CHROMIUM (TOTAL)	4.4		0.12	0.94	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	COBALT (TOTAL)	1.5	J	0.29	4.68	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	COPPER (TOTAL)	3		0.19	2.34	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	IRON (TOTAL)	5300		2.6	9.36	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	LEAD (TOTAL)	3.1		0.13	0.28	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	MAGNESIUM (TOTAL)	498		28.2	468	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	MANGANESE (TOTAL)	64.6		0.11	1.4	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	NICKEL (TOTAL)	1.8	J	0.26	3.74	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	POTASSIUM (TOTAL)	250	J	48.8	468	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	VANADIUM (TOTAL)	8.1		0.36	4.68	mg/Kg
BH51-A	102LC-02	11/6/2003	SW6010B	ZINC (TOTAL)	7.2		0.22	1.87	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	ALUMINUM (TOTAL)	1880		1.9	17.5	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	ARSENIC (TOTAL)	2		0.31	0.87	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	BARIUM (TOTAL)	4.9	J	1	17.5	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.18	J	0.026	0.44	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH51-A	102LC-02FD	11/6/2003	SW6010B	BORON (TOTAL)	1.2	J	0.56	8.74	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	CALCIUM (TOTAL)	68.8	J	28.4	437	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	CHROMIUM (TOTAL)	3.6		0.11	0.87	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	COBALT (TOTAL)	1.2	J	0.27	4.37	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	COPPER (TOTAL)	2.7		0.17	2.18	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	IRON (TOTAL)	4480		2.4	8.74	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	LEAD (TOTAL)	3		0.12	0.26	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	MAGNESIUM (TOTAL)	501		26.3	437	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	MANGANESE (TOTAL)	53.1		0.1	1.31	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	NICKEL (TOTAL)	1.8	J	0.24	3.49	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	POTASSIUM (TOTAL)	309	J	45.6	437	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	VANADIUM (TOTAL)	7.3		0.33	4.37	mg/Kg
BH51-A	102LC-02FD	11/6/2003	SW6010B	ZINC (TOTAL)	6.5		0.2	1.75	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	ALUMINUM (TOTAL)	14200		3.6	21.857	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	ANTIMONY (TOTAL)	1.4	J	0.37	6.5571	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	ARSENIC (TOTAL)	5.3		0.33	1.0928	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	BARIUM (TOTAL)	24.1		0.55	21.857	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	BERYLLIUM (TOTAL)	0.48	J	0.033	0.5464	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	BORON (TOTAL)	5.2	J	0.33	10.9285	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	CADMIUM (TOTAL)	0.83		0.066	0.5464	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	CALCIUM (TOTAL)	583		15	546.4242	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	CHROMIUM (TOTAL)	16.7		0.12	1.0928	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	COBALT (TOTAL)	4.6	J	0.19	5.4642	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	COPPER (TOTAL)	28.3		0.28	2.7321	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	IRON (TOTAL)	14900		5.2	10.9285	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	LEAD (TOTAL)	23		0.16	0.3279	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	MAGNESIUM (TOTAL)	1820		15.4	546.4242	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	MANGANESE (TOTAL)	97.6		0.055	1.6393	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	MOLYBDENUM (TOTAL)	0.57	J	0.15	1.0928	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	NICKEL (TOTAL)	8.6		0.17	4.3714	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	POTASSIUM (TOTAL)	639		21.5	546.4242	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	SELENIUM (TOTAL)	0.89		0.35	0.5464	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	VANADIUM (TOTAL)	24		0.17	5.4642	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW6010B	ZINC (TOTAL)	29.5		0.2	2.1857	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW7471A	MERCURY (TOTAL)	0.035	J	0.017	0.0408	mg/Kg
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	18		0.91	0.91	PG/G
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	0.38	J	0.22	0.22	PG/G
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1.2	J	0.34	0.34	PG/G
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW8290	OCTACHLORODIBENZO-P-DIOXIN	980		2.1	2.1	PG/G
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.57	J	0.42	0.42	PG/G

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
ECCBPJ301	J3C6-BP-001(post)	8/25/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	250		8.07	120	ug/Kg
ECCBPJ301	J3C6-BP-001(pre)	11/4/2004	E314.0	PERCHLORATE	90		1.5	4.5	ug/Kg
ECCBPJ301	J3C6-BP-001(pre)	11/4/2004	SW1010	IGNITABILITY	0		0	70	DEGREES
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	ALUMINUM (TOTAL)	16300		3.7	22.7733	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	ANTIMONY (TOTAL)	46.1		0.39	6.832	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	ARSENIC (TOTAL)	6.5		0.34	1.1387	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	BARIUM (TOTAL)	302		0.57	22.7733	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	BERYLLIUM (TOTAL)	0.57	J	0.034	0.5693	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	BORON (TOTAL)	7.7	J	0.34	11.3867	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	CADMIUM (TOTAL)	56.3		0.068	0.5693	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	CALCIUM (TOTAL)	751		15.6	569.3334	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	CHROMIUM (TOTAL)	18.8		0.13	1.1387	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	COBALT (TOTAL)	5.2	J	0.19	5.6933	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	COPPER (TOTAL)	21.8		0.3	2.8467	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	IRON (TOTAL)	16300		5.4	11.3867	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	LEAD (TOTAL)	2100		0.17	0.3416	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	MAGNESIUM (TOTAL)	2540		16	569.3334	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	MANGANESE (TOTAL)	116		0.057	1.708	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	MOLYBDENUM (TOTAL)	1.3		0.16	1.1387	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	NICKEL (TOTAL)	11.7	J	0.18	4.5547	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	POTASSIUM (TOTAL)	833		22.4	569.3334	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	SELENIUM (TOTAL)	75.6	J	0.36	0.5693	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	VANADIUM (TOTAL)	27		0.18	5.6933	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW6010B	ZINC (TOTAL)	36.4	J	0.2	2.2773	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW7471A	MERCURY (TOTAL)	0.019	J	0.018	0.0436	mg/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8270C	2-METHYLNAPHTHALENE	60	J	33.6	380	ug/Kg
ECCBPJ301	J3C6-BP-001(pre)	11/4/2004	SW8270C	DI-N-BUTYL PHTHALATE	1600		25.3	370	ug/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8270C	DI-N-BUTYL PHTHALATE	73	J	29.4	380	ug/Kg
ECCBPJ301	J3C6-BP-001(pre)	11/4/2004	SW8270C	HEXACHLOROBENZENE	86	J	25.8	370	ug/Kg
ECCBPJ301	J3C6-BP-001(pre)	11/4/2004	SW8270C	N-NITROSODIPHENYLAMINE	320	J	27.1	370	ug/Kg
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.4	J	0.22	0.22	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	38	J	0.51	0.51	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.34	J	0.14	0.14	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.2	J	0.25	0.25	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.1	J	0.23	0.23	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.77	J	0.33	0.33	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	3.6	J	0.27	0.27	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	77	J	0.51	0.51	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	1.7	J	0.15	0.15	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	7.9	J	0.24	0.24	PG/G

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	OCTACHLORODIBENZOFURAN	4.4	J	0.56	0.56	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	OCTACHLORODIBENZO-P-DIOXIN	2700		0.92	0.92	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.2		0.33	0.33	PG/G
ECCBPJ301	J3C6-BP-001(pre)	8/25/2004	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1.1	J	0.39	0.39	PG/G
ECCBPJ301	J3C6-BP-001(pre)	11/4/2004	SW9045	PH	5.3		0	0	PH UNITS
ECCBPJ301	J3C6-BP-002 (post)	1/21/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	430		8.07	120	ug/Kg
ECCBPJ301	J3C6-BP-003 (post)	3/15/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	800		8.07	120	ug/Kg
ECCBPJ301	J3C6-BP-003 (post)	3/15/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	240		11.3	120	ug/Kg
ECCBPJ301	J3C6-BP-004 (post)	4/12/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	120		8.07	120	ug/Kg
SS102IB	AJ638	9/22/2000	CL200.7	ALUMINUM (TOTAL)	4510		2.16	2.16	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	ARSENIC (TOTAL)	2.5		0.732	0.732	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	BARIUM (TOTAL)	17.5		1.18	2.04	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.03	0.0477	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	CADMIUM (TOTAL)	0.5		0.07	0.143	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	CALCIUM (TOTAL)	668		29	52.2	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	CHROMIUM (TOTAL)	12.4		0.14	0.271	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	COBALT (TOTAL)	2.7		0.26	0.637	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	COPPER (TOTAL)	21.5		0.286	0.286	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	IRON (TOTAL)	10300		4.15	4.15	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	LEAD (TOTAL)	13.1		0.286	0.286	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	MAGNESIUM (TOTAL)	1380		28.1	55.3	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	MANGANESE (TOTAL)	96		0.0796	0.0796	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	MOLYBDENUM (TOTAL)	1.8		0.477	0.477	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	NICKEL (TOTAL)	21.3		0.3	0.748	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	POTASSIUM (TOTAL)	552		47.2	93.3	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	SILVER (TOTAL)	0.37	J	0.17	0.302	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	THALLIUM (TOTAL)	1.4	J	0.605	0.605	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	VANADIUM (TOTAL)	12		0.36	0.589	mg/Kg
SS102IB	AJ638	9/22/2000	CL200.7	ZINC (TOTAL)	24.1		0.29	0.939	mg/Kg
SS102IB	AJ638	9/22/2000	E353.2	NITRATE/NITRITE (AS N)	0.1		0.01	0.01	mg/Kg
SS102IB	AJ638	9/22/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97.3		0.01	0.01	mg/Kg
SS102IB	AJ638	9/22/2000	LYDKHN	TOTAL ORGANIC CARBON	4670	J	0	0	mg/Kg
SS102IB	AJ638	9/22/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	11	ug/Kg
SS102IB	AJ639	9/22/2000	CL200.7	ALUMINUM (TOTAL)	3980		2.31	2.31	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	ARSENIC (TOTAL)	2.3		0.75	0.782	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	BARIUM (TOTAL)	14		1.18	2.18	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.03	0.051	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	CADMIUM (TOTAL)	0.18	J	0.07	0.153	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	CALCIUM (TOTAL)	816		29	55.7	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	CHROMIUM (TOTAL)	6.9		0.14	0.289	mg/Kg

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ug/Kg = microgram per Kilogram
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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IB	AJ639	9/22/2000	CL200.7	COBALT (TOTAL)	1.6		0.26	0.68	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	COPPER (TOTAL)	7.6		0.306	0.306	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	IRON (TOTAL)	6510		4.21	4.44	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	LEAD (TOTAL)	7.9		0.306	0.306	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	MAGNESIUM (TOTAL)	905		28.1	59.1	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	MANGANESE (TOTAL)	66.4		0.08	0.085	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	MOLYBDENUM (TOTAL)	0.56	J	0.49	0.51	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	NICKEL (TOTAL)	5.9		0.3	0.799	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	POTASSIUM (TOTAL)	386		47.2	99.7	mg/Kg
SS102IB	AJ639	9/22/2000	CL200.7	VANADIUM (TOTAL)	9.9		0.36	0.629	mg/Kg
SS102IB	AJ639	9/22/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	0.02	0.02	mg/Kg
SS102IB	AJ639	9/22/2000	E353.2	NITRATE/NITRITE (AS N)	0.04		0.01	0.01	mg/Kg
SS102IB	AJ639	9/22/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	98.6		0.01	0.01	mg/Kg
SS102IB	AJ639	9/22/2000	LYDKHN	TOTAL ORGANIC CARBON	1210	J	0	0	mg/Kg
SS102IB	AJ639	9/22/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	8	ug/Kg
SS102IB	AJ640	9/22/2000	CL200.7	ALUMINUM (TOTAL)	5810		2.5	2.87	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	ARSENIC (TOTAL)	2.5		0.75	0.97	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	BARIUM (TOTAL)	14.4		1.18	2.7	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	BERYLLIUM (TOTAL)	0.22		0.03	0.0633	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	CADMIUM (TOTAL)	0.23	J	0.07	0.19	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	CALCIUM (TOTAL)	1520		29	69.1	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	CHROMIUM (TOTAL)	8.9		0.14	0.359	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	COBALT (TOTAL)	1.9		0.26	0.844	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	COPPER (TOTAL)	11.7		0.34	0.38	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	IRON (TOTAL)	7650		4.21	5.5	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	LEAD (TOTAL)	17.5		0.32	0.38	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	MAGNESIUM (TOTAL)	1000		28.1	73.3	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	MANGANESE (TOTAL)	75.7		0.08	0.105	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	NICKEL (TOTAL)	5.5		0.3	0.991	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	POTASSIUM (TOTAL)	455		47.2	124	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	VANADIUM (TOTAL)	10.9		0.36	0.78	mg/Kg
SS102IB	AJ640	9/22/2000	CL200.7	ZINC (TOTAL)	16.4		0.29	1.24	mg/Kg
SS102IB	AJ640	9/22/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.1	J	0.02	0.02	mg/Kg
SS102IB	AJ640	9/22/2000	E353.2	NITRATE/NITRITE (AS N)	0.1		0.01	0.01	mg/Kg
SS102IB	AJ640	9/22/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	111		0.01	0.01	mg/Kg
SS102IB	AJ640	9/22/2000	LYDKHN	TOTAL ORGANIC CARBON	1710	J	0	0	mg/Kg
SS102IB	AJ640	9/22/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	340		23	120	ug/Kg
SS102IB	AJ640	9/22/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	9	ug/Kg
SS102LC	AQ215	5/4/2001	CL200.7	ALUMINUM (TOTAL)	8460		5.3	7.34	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	ANTIMONY (TOTAL)	1.1	J	0.544	0.544	mg/Kg

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NJ = Estimated Result
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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LC	AQ215	5/4/2001	CL200.7	ARSENIC (TOTAL)	2.3		0.72	0.72	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	BARIUM (TOTAL)	36.9		0.632	0.632	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	CADMIUM (TOTAL)	0.47		0.0351	0.0351	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	CALCIUM (TOTAL)	1090		31.6	31.6	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	CHROMIUM (TOTAL)	28.9		0.2	0.246	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	COBALT (TOTAL)	6.3		0.211	0.211	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	COPPER (TOTAL)	69.3		0.439	0.439	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	IRON (TOTAL)	13100		3.5	6.52	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	LEAD (TOTAL)	10.1		0.2	0.228	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	3730		33.2	33.2	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	MANGANESE (TOTAL)	160		0.0527	0.0527	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	MOLYBDENUM (TOTAL)	4.1		0.211	0.211	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	NICKEL (TOTAL)	61.7		0.228	0.228	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	POTASSIUM (TOTAL)	1420		28.3	28.3	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	VANADIUM (TOTAL)	21.1		0.246	0.246	mg/Kg
SS102LC	AQ215	5/4/2001	CL200.7	ZINC (TOTAL)	32.8		0.4	0.843	mg/Kg
SS102LC	AQ215	5/4/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.8	J	1.5	2.5	mg/Kg
SS102LC	AQ215	5/4/2001	E353.2	NITRATE/NITRITE (AS N)	0.4		0.0043	0.01	mg/Kg
SS102LC	AQ215	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114		1	1.9	mg/Kg
SS102LC	AQ215	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	2310		0	0	mg/Kg
SS102LC	AQ215	5/4/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	340	ug/Kg
SS102LC	AQ215	5/4/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	240	J	22	120	ug/Kg
SS102LC	AQ215	5/4/2001	CVOL	ACETONE	60	J	4.04	14	ug/Kg
SS102LC	AQ215	5/4/2001	CVOL	BROMOFORM	4	J	1.15	14	ug/Kg
SS102LC	AQ215	5/4/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	4.56	14	ug/Kg
SS102LC	AQ216	5/4/2001	CL200.7	ALUMINUM (TOTAL)	9740		5.3	8.65	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	ANTIMONY (TOTAL)	0.77	J	0.642	0.642	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	ARSENIC (TOTAL)	3.2		0.849	0.849	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	BARIUM (TOTAL)	21.9		0.745	0.745	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	BORON (TOTAL)	1	J	0.869	0.869	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	CADMIUM (TOTAL)	0.39		0.0414	0.0414	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	CALCIUM (TOTAL)	645		37.3	37.3	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	CHROMIUM (TOTAL)	17.1		0.2	0.29	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	COBALT (TOTAL)	5.4		0.248	0.248	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	COPPER (TOTAL)	18.3		0.518	0.518	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	IRON (TOTAL)	13000		3.5	7.68	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	LEAD (TOTAL)	8.6		0.2	0.269	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	2490		39.1	39.1	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	MANGANESE (TOTAL)	111		0.0621	0.0621	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	MOLYBDENUM (TOTAL)	0.66		0.248	0.248	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LC	AQ216	5/4/2001	CL200.7	NICKEL (TOTAL)	16.8		0.269	0.269	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	POTASSIUM (TOTAL)	904		33.3	33.3	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	SILVER (TOTAL)	0.87	J	0.3	0.497	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	VANADIUM (TOTAL)	21		0.29	0.29	mg/Kg
SS102LC	AQ216	5/4/2001	CL200.7	ZINC (TOTAL)	27		0.4	0.994	mg/Kg
SS102LC	AQ216	5/4/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	1.5	2.51	mg/Kg
SS102LC	AQ216	5/4/2001	E353.2	NITRATE/NITRITE (AS N)	0.15		0.0043	0.01	mg/Kg
SS102LC	AQ216	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	126		1	2.09	mg/Kg
SS102LC	AQ216	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	3630		0	0	mg/Kg
SS102LC	AQ216	5/4/2001	SW8151A	PENTACHLOROPHENOL	230		1.78	72	ug/Kg
SS102LC	AQ216	5/4/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	350	ug/Kg
SS102LC	AQ216	5/4/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	200	J	22	120	ug/Kg
SS102LC	AQ216	5/4/2001	CVOL	ACETONE	26	J	4.04	15	ug/Kg
SS102LC	AQ216	5/4/2001	CVOL	BROMOFORM	5	J	1.15	15	ug/Kg
SS102LC	AQ216	5/4/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	15	ug/Kg
SS102LC	AQ217	5/4/2001	CL200.7	ALUMINUM (TOTAL)	9470		5.3	8.82	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	ANTIMONY (TOTAL)	0.83	J	0.654	0.654	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	ARSENIC (TOTAL)	3.4		0.865	0.865	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	BARIUM (TOTAL)	15.3		0.76	0.76	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	CADMIUM (TOTAL)	0.33		0.0422	0.0422	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	CALCIUM (TOTAL)	288		38	38	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	CHROMIUM (TOTAL)	13.2		0.2	0.296	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	COBALT (TOTAL)	4.5		0.253	0.253	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	COPPER (TOTAL)	13		0.528	0.528	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	IRON (TOTAL)	11400		3.5	7.83	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	LEAD (TOTAL)	8.4		0.2	0.274	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1710		39.9	39.9	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	MANGANESE (TOTAL)	92.8		0.0633	0.0633	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	MOLYBDENUM (TOTAL)	0.43	J	0.253	0.253	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	NICKEL (TOTAL)	9.4		0.274	0.274	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	POTASSIUM (TOTAL)	639		34	34	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	VANADIUM (TOTAL)	17.6		0.296	0.296	mg/Kg
SS102LC	AQ217	5/4/2001	CL200.7	ZINC (TOTAL)	23.8		0.4	1.01	mg/Kg
SS102LC	AQ217	5/4/2001	E350.2	NITROGEN, AMMONIA (AS N)	11.2	J	1.5	2.55	mg/Kg
SS102LC	AQ217	5/4/2001	E353.2	NITRATE/NITRITE (AS N)	0.14		0.0043	0.01	mg/Kg
SS102LC	AQ217	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	130		1	2.07	mg/Kg
SS102LC	AQ217	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	4690		0	0	mg/Kg
SS102LC	AQ217	5/4/2001	SW8270	2,4-DINITROTOLUENE	41	J	28.8	350	ug/Kg
SS102LC	AQ217	5/4/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	350	ug/Kg
SS102LC	AQ217	5/4/2001	SW8270	DI-N-BUTYL PHTHALATE	540		70.8	350	ug/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LC	AQ217	5/4/2001	SW8270	N-NITROSODIPHENYLAMINE	140	J	82.8	350	ug/Kg
SS102LC	AQ217	5/4/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1800		22	120	ug/Kg
SS102LC	AQ217	5/4/2001	CVOL	ACETONE	39	J	4.04	8	ug/Kg
SS102LC	AQ217	5/4/2001	CVOL	BROMOFORM	2	J	1.15	8	ug/Kg
SS102LC	AQ217	5/4/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	8	ug/Kg
SS102NA	AL140	10/24/2000	CL200.7	ALUMINUM (TOTAL)	6250		2.42	2.42	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	ARSENIC (TOTAL)	2.8	J	0.75	1.01	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	BARIUM (TOTAL)	25.2		0.799	0.799	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.22		0.0195	0.0195	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	CADMIUM (TOTAL)	6.2		0.0585	0.0585	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	CALCIUM (TOTAL)	2640		29	33.3	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	CHROMIUM (TOTAL)	28.3		0.14	0.214	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	COBALT (TOTAL)	3.9		0.26	0.312	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	COPPER (TOTAL)	80.3	J	0.34	0.351	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	IRON (TOTAL)	8960		4.13	4.13	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	LEAD (TOTAL)	14	J	0.32	0.351	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	3090		28.1	40.5	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	MANGANESE (TOTAL)	83.3		0.078	0.078	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	NICKEL (TOTAL)	21.5		0.3	0.409	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	POTASSIUM (TOTAL)	1020		35.4	35.4	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	TITANIUM (TOTAL)	314		0.195	0.195	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	VANADIUM (TOTAL)	15.6		0.36	0.39	mg/Kg
SS102NA	AL140	10/24/2000	CL200.7	ZINC (TOTAL)	20.8		0.29	0.682	mg/Kg
SS102NA	AL140	10/24/2000	CVOL	ACETONE	65	J	4.34	13	ug/Kg
SS102NA	AL140	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.2	J	0.02	0.02	mg/Kg
SS102NA	AL140	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.01	J	0.01	0.01	mg/Kg
SS102NA	AL140	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	143	J	0.01	0.01	mg/Kg
SS102NA	AL140	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	4020	J	0	0	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	ALUMINUM (TOTAL)	7150		2.5	2.62	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	ARSENIC (TOTAL)	3.7	J	0.75	0.887	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	BARIUM (TOTAL)	18.7		0.865	0.865	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.24		0.0211	0.0211	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	CADMIUM (TOTAL)	3.1		0.0633	0.0633	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	CALCIUM (TOTAL)	1150		29	36	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	CHROMIUM (TOTAL)	31.7		0.14	0.232	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	COBALT (TOTAL)	4.1		0.26	0.338	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	COPPER (TOTAL)	175	J	0.34	0.38	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	IRON (TOTAL)	12300		4.21	4.47	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	LEAD (TOTAL)	11	J	0.32	0.38	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	1810		28.1	43.9	mg/Kg

J = Estimates
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL141	10/24/2000	CL200.7	MANGANESE (TOTAL)	125		0.08	0.0844	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	MOLYBDENUM (TOTAL)	18		0.49	0.654	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	NICKEL (TOTAL)	22.4		0.3	0.443	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	POTASSIUM (TOTAL)	523		38.4	38.4	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	SILVER (TOTAL)	0.38	J	0.17	0.338	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	TITANIUM (TOTAL)	306		0.211	0.211	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	VANADIUM (TOTAL)	16.1		0.36	0.422	mg/Kg
SS102NA	AL141	10/24/2000	CL200.7	ZINC (TOTAL)	19.3		0.29	0.739	mg/Kg
SS102NA	AL141	10/24/2000	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.5	NJ	0.17	1.8	ug/Kg
SS102NA	AL141	10/24/2000	CPEST	DIELDRIN	13		0.21	3.5	ug/Kg
SS102NA	AL141	10/24/2000	CPEST	ENDRIN ALDEHYDE	4.7		0.19	3.5	ug/Kg
SS102NA	AL141	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	9	ug/Kg
SS102NA	AL141	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	4	J	0.02	0.02	mg/Kg
SS102NA	AL141	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.05	J	0.01	0.01	mg/Kg
SS102NA	AL141	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.7	J	0.01	0.01	mg/Kg
SS102NA	AL141	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	4430	J	0	0	mg/Kg
SS102NA	AL141	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	57	J	57	350	ug/Kg
SS102NA	AL142	10/24/2000	CL200.7	ALUMINUM (TOTAL)	7070		2.5	2.65	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	ARSENIC (TOTAL)	3.8	J	0.75	0.899	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	BARIUM (TOTAL)	19.3		0.878	0.878	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.23		0.0214	0.0214	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	CADMIUM (TOTAL)	2.9		0.0642	0.0642	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	CALCIUM (TOTAL)	1030		29	36.5	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	CHROMIUM (TOTAL)	26.8		0.14	0.236	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	COBALT (TOTAL)	6.7		0.26	0.343	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	COPPER (TOTAL)	373	J	0.34	0.385	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	IRON (TOTAL)	11400		4.21	4.54	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	LEAD (TOTAL)	10.8	J	0.32	0.385	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	1640		28.1	44.5	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	MANGANESE (TOTAL)	84.6		0.08	0.0856	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	MOLYBDENUM (TOTAL)	0.98	J	0.49	0.664	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	NICKEL (TOTAL)	24.6		0.3	0.45	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	POTASSIUM (TOTAL)	514		38.9	38.9	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	SELENIUM (TOTAL)	1	J	0.61	0.792	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	TITANIUM (TOTAL)	293		0.214	0.214	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	VANADIUM (TOTAL)	16.1		0.36	0.428	mg/Kg
SS102NA	AL142	10/24/2000	CL200.7	ZINC (TOTAL)	18.7		0.29	0.749	mg/Kg
SS102NA	AL142	10/24/2000	CPEST	DIELDRIN	9.9		0.21	3.6	ug/Kg
SS102NA	AL142	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	11	ug/Kg
SS102NA	AL142	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.5	J	0.02	0.02	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL142	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.02	J	0.01	0.01	mg/Kg
SS102NA	AL142	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	128	J	0.01	0.01	mg/Kg
SS102NA	AL142	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	6070	J	0	0	mg/Kg
SS102NA	AL142	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	39	J	39	360	ug/Kg
SS102NA	AL143	10/24/2000	CL200.7	ALUMINUM (TOTAL)	7610		2.5	2.5	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	ANTIMONY (TOTAL)	1.6	J	0.5	0.926	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	ARSENIC (TOTAL)	2.6	J	0.75	0.846	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	BARIUM (TOTAL)	41.1		0.826	0.826	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0201	0.0201	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	CADMIUM (TOTAL)	18.9		0.0604	0.0604	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	CALCIUM (TOTAL)	14300		29	34.4	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	CHROMIUM (TOTAL)	52		0.14	0.222	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	COBALT (TOTAL)	5.9		0.26	0.322	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	COPPER (TOTAL)	329	J	0.34	0.362	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	IRON (TOTAL)	11300		4.21	4.27	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	LEAD (TOTAL)	36.7	J	0.32	0.362	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	3320		28.1	41.9	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	MANGANESE (TOTAL)	131		0.08	0.0805	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	MOLYBDENUM (TOTAL)	1.9		0.49	0.624	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	NICKEL (TOTAL)	74.7		0.3	0.423	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	POTASSIUM (TOTAL)	859		36.6	36.6	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	SILVER (TOTAL)	1.6		0.17	0.322	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	TITANIUM (TOTAL)	383		0.201	0.201	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	VANADIUM (TOTAL)	16.7		0.36	0.403	mg/Kg
SS102NA	AL143	10/24/2000	CL200.7	ZINC (TOTAL)	40.7		0.29	0.705	mg/Kg
SS102NA	AL143	10/24/2000	CVOL	ACETONE	68	J	4.34	8	ug/Kg
SS102NA	AL143	10/24/2000	CVOL	BENZENE	2	J	0.41	8	ug/Kg
SS102NA	AL143	10/24/2000	CVOL	BROMOMETHANE	12		0.49	8	ug/Kg
SS102NA	AL143	10/24/2000	CVOL	CARBON DISULFIDE	0.8	J	0.43	8	ug/Kg
SS102NA	AL143	10/24/2000	CVOL	CHLOROMETHANE	4	J	0.61	8	ug/Kg
SS102NA	AL143	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	1.8	8	ug/Kg
SS102NA	AL143	10/24/2000	CVOL	TOLUENE	0.9	J	0.32	8	ug/Kg
SS102NA	AL143	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	5	J	0.02	0.02	mg/Kg
SS102NA	AL143	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.03	J	0.01	0.01	mg/Kg
SS102NA	AL143	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	137	J	0.01	0.01	mg/Kg
SS102NA	AL143	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	4730	J	0	0	mg/Kg
SS102NA	AL143	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	77	J	77	370	ug/Kg
SS102NA	AL143	10/24/2000	SW8270	DI-N-BUTYL PHTHALATE	2200		88.6	370	ug/Kg
SS102NA	AL144	10/24/2000	CL200.7	ALUMINUM (TOTAL)	8140		2.48	2.48	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	ANTIMONY (TOTAL)	4.8	J	0.5	0.92	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL144	10/24/2000	CL200.7	ARSENIC (TOTAL)	3.7	J	0.75	0.84	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	BARIUM (TOTAL)	48.6		0.82	0.82	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.29		0.02	0.02	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	BORON (TOTAL)	3.5		0.63	1.08	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	CADMIUM (TOTAL)	156		0.06	0.06	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	CALCIUM (TOTAL)	46400		29	34.1	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	CHROMIUM (TOTAL)	185		0.14	0.22	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	COBALT (TOTAL)	6.8		0.26	0.32	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	COPPER (TOTAL)	2470	J	0.34	0.36	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	IRON (TOTAL)	13400		4.21	4.24	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	LEAD (TOTAL)	59.6	J	0.32	0.36	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	3490		28.1	41.6	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	MANGANESE (TOTAL)	142		0.08	0.08	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	MOLYBDENUM (TOTAL)	6		0.49	0.62	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	NICKEL (TOTAL)	190		0.3	0.42	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	POTASSIUM (TOTAL)	1060		36.3	36.3	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	SILVER (TOTAL)	1.3		0.17	0.32	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	TITANIUM (TOTAL)	472		0.2	0.2	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	VANADIUM (TOTAL)	19.8		0.36	0.4	mg/Kg
SS102NA	AL144	10/24/2000	CL200.7	ZINC (TOTAL)	530		0.29	0.7	mg/Kg
SS102NA	AL144	10/24/2000	CL335.2	CYANIDE	0.63	J	0.393	0.393	mg/Kg
SS102NA	AL144	10/24/2000	CVOL	BENZENE	2	J	0.41	10	ug/Kg
SS102NA	AL144	10/24/2000	CVOL	BROMOMETHANE	4	J	0.49	10	ug/Kg
SS102NA	AL144	10/24/2000	CVOL	CARBON DISULFIDE	1	J	0.43	10	ug/Kg
SS102NA	AL144	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	10	ug/Kg
SS102NA	AL144	10/24/2000	CVOL	TOLUENE	2	J	0.32	10	ug/Kg
SS102NA	AL144	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.02	J	0.01	0.01	mg/Kg
SS102NA	AL144	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.2	J	0.01	0.01	mg/Kg
SS102NA	AL144	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	2670	J	0	0	mg/Kg
SS102NA	AL144	10/24/2000	SW8270	DI-N-BUTYL PHTHALATE	130	J	88.6	380	ug/Kg
SS102NA	AL144	10/24/2000	SW8270	FLUORANTHENE	31	J	31	380	ug/Kg
SS102NA	AL144	10/24/2000	SW8270	PHENANTHRENE	36	J	36	380	ug/Kg
SS102NA	AL144	10/24/2000	SW8270	PYRENE	42	J	42	380	ug/Kg
SS102NA	AL145	10/24/2000	CL200.7	ALUMINUM (TOTAL)	7240		2.5	2.71	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	ANTIMONY (TOTAL)	1.9	J	0.5	1	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	ARSENIC (TOTAL)	3.8	J	0.75	0.916	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	BARIUM (TOTAL)	31.5		0.895	0.895	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.24		0.0218	0.0218	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	CADMIUM (TOTAL)	7.2		0.0655	0.0655	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	CALCIUM (TOTAL)	2080		29	37.2	mg/Kg

J = Estimates
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL145	10/24/2000	CL200.7	CHROMIUM (TOTAL)	38.4		0.14	0.24	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	COBALT (TOTAL)	4.3		0.26	0.349	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	COPPER (TOTAL)	156	J	0.34	0.393	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	IRON (TOTAL)	10900		4.21	4.63	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	LEAD (TOTAL)	19.2	J	0.32	0.393	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	1690		28.1	45.4	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	MANGANESE (TOTAL)	91.7		0.08	0.0873	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	MOLYBDENUM (TOTAL)	3.6		0.49	0.676	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	NICKEL (TOTAL)	22		0.3	0.458	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	POTASSIUM (TOTAL)	651		39.6	39.6	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	SILVER (TOTAL)	0.84		0.17	0.349	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	TITANIUM (TOTAL)	327		0.218	0.218	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	VANADIUM (TOTAL)	16		0.36	0.436	mg/Kg
SS102NA	AL145	10/24/2000	CL200.7	ZINC (TOTAL)	31.8		0.29	0.764	mg/Kg
SS102NA	AL145	10/24/2000	CVOL	ACETONE	69	J	4.34	8	ug/Kg
SS102NA	AL145	10/24/2000	CVOL	BENZENE	0.8	J	0.41	8	ug/Kg
SS102NA	AL145	10/24/2000	CVOL	BROMOMETHANE	11		0.49	8	ug/Kg
SS102NA	AL145	10/24/2000	CVOL	CHLOROMETHANE	4	J	0.61	8	ug/Kg
SS102NA	AL145	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	8	ug/Kg
SS102NA	AL145	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.4	J	0.02	0.02	mg/Kg
SS102NA	AL145	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	69.8	J	0.01	0.01	mg/Kg
SS102NA	AL145	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	2960	J	0	0	mg/Kg
SS102NA	AL145	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	370	ug/Kg
SS102NA	AL146	10/24/2000	CL200.7	ALUMINUM (TOTAL)	4470		2.5	2.61	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	ARSENIC (TOTAL)	2.8	J	0.75	0.884	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	BARIUM (TOTAL)	15.5		0.863	0.863	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.021	0.021	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	CADMIUM (TOTAL)	1.4		0.0631	0.0631	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	CALCIUM (TOTAL)	1460		29	35.9	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	CHROMIUM (TOTAL)	10.9		0.14	0.231	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	COBALT (TOTAL)	5.7		0.26	0.337	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	COPPER (TOTAL)	42.6	J	0.34	0.379	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	IRON (TOTAL)	6720		4.21	4.46	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	LEAD (TOTAL)	8.7	J	0.32	0.379	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	1590		28.1	43.7	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	MANGANESE (TOTAL)	64.3		0.08	0.0842	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	NICKEL (TOTAL)	14.9		0.3	0.442	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	POTASSIUM (TOTAL)	524		38.2	38.2	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	SILVER (TOTAL)	0.97		0.17	0.337	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	TITANIUM (TOTAL)	224		0.21	0.21	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL146	10/24/2000	CL200.7	VANADIUM (TOTAL)	11.3		0.36	0.421	mg/Kg
SS102NA	AL146	10/24/2000	CL200.7	ZINC (TOTAL)	17		0.29	0.736	mg/Kg
SS102NA	AL146	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	1.8	7	ug/Kg
SS102NA	AL146	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.2	J	0.02	0.02	mg/Kg
SS102NA	AL146	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	117	J	0.01	0.01	mg/Kg
SS102NA	AL146	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	1910	J	0	0	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	ALUMINUM (TOTAL)	5830		2.5	2.5	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	ARSENIC (TOTAL)	3.2	J	0.75	0.845	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	BARIUM (TOTAL)	13.1		0.825	0.825	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.21		0.0201	0.0201	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	CADMIUM (TOTAL)	2.2		0.0604	0.0604	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	CALCIUM (TOTAL)	1390		29	34.4	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	CHROMIUM (TOTAL)	14		0.14	0.221	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	COBALT (TOTAL)	2.8		0.26	0.322	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	COPPER (TOTAL)	271	J	0.34	0.362	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	IRON (TOTAL)	7680		4.21	4.27	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	LEAD (TOTAL)	11.8	J	0.32	0.362	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	1120		28.1	41.8	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	MANGANESE (TOTAL)	79.2		0.08	0.0805	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	NICKEL (TOTAL)	9.1		0.3	0.423	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	POTASSIUM (TOTAL)	341		36.6	36.6	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	SILVER (TOTAL)	9.6		0.17	0.322	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	TITANIUM (TOTAL)	230		0.201	0.201	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	VANADIUM (TOTAL)	12		0.36	0.403	mg/Kg
SS102NA	AL147	10/24/2000	CL200.7	ZINC (TOTAL)	15.1		0.29	0.705	mg/Kg
SS102NA	AL147	10/24/2000	CPEST	DIELDRIN	1.8	J	0.21	3.6	ug/Kg
SS102NA	AL147	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	7	ug/Kg
SS102NA	AL147	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.2	J	0.02	0.02	mg/Kg
SS102NA	AL147	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	102	J	0.01	0.01	mg/Kg
SS102NA	AL147	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	3270	J	0	0	mg/Kg
SS102NA	AL147	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	360	ug/Kg
SS102NA	AL148	10/24/2000	CL200.7	ALUMINUM (TOTAL)	9770		2.49	2.49	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	ANTIMONY (TOTAL)	1.5	J	0.5	0.924	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	ARSENIC (TOTAL)	3.9	J	0.75	0.844	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	BARIUM (TOTAL)	50		0.824	0.824	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.28		0.0201	0.0201	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	CADMIUM (TOTAL)	26.7		0.0603	0.0603	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	CALCIUM (TOTAL)	19100		29	34.3	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	CHROMIUM (TOTAL)	65.2		0.14	0.221	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	COBALT (TOTAL)	7.5		0.26	0.321	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL148	10/24/2000	CL200.7	COPPER (TOTAL)	1270	J	0.34	0.362	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	IRON (TOTAL)	16400		4.21	4.26	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	LEAD (TOTAL)	36.8	J	0.32	0.362	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	3770		28.1	41.8	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	MANGANESE (TOTAL)	182		0.08	0.0803	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	MOLYBDENUM (TOTAL)	15.3		0.49	0.623	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	NICKEL (TOTAL)	52.3		0.3	0.422	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	POTASSIUM (TOTAL)	1200		36.5	36.5	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	SILVER (TOTAL)	1		0.17	0.321	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	TITANIUM (TOTAL)	492		0.201	0.201	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	VANADIUM (TOTAL)	22.4		0.36	0.402	mg/Kg
SS102NA	AL148	10/24/2000	CL200.7	ZINC (TOTAL)	46.2		0.29	0.703	mg/Kg
SS102NA	AL148	10/24/2000	CVOL	ACETONE	96	J	4.34	6	ug/Kg
SS102NA	AL148	10/24/2000	CVOL	BENZENE	1	J	0.41	6	ug/Kg
SS102NA	AL148	10/24/2000	CVOL	BROMOMETHANE	13	J	0.49	6	ug/Kg
SS102NA	AL148	10/24/2000	CVOL	CHLOROMETHANE	9		0.61	6	ug/Kg
SS102NA	AL148	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	6	ug/Kg
SS102NA	AL148	10/24/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg
SS102NA	AL148	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.8	J	0.02	0.02	mg/Kg
SS102NA	AL148	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.03	J	0.01	0.01	mg/Kg
SS102NA	AL148	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	272	J	0.01	0.01	mg/Kg
SS102NA	AL148	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	2260	J	0	0	mg/Kg
SS102NA	AL148	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19	J	19	360	ug/Kg
SS102NA	AL148	10/24/2000	SW8270	DI-N-BUTYL PHTHALATE	23	J	23	360	ug/Kg
SS102NA	AL148	10/24/2000	SW8270	PHENOL	130	J	71.3	360	ug/Kg
SS102NA	AL149	10/24/2000	CL200.7	ALUMINUM (TOTAL)	7210		2.5	2.7	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	ARSENIC (TOTAL)	1.6	J	0.75	0.916	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	BARIUM (TOTAL)	83.8		0.894	0.894	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0218	0.0218	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	CADMIUM (TOTAL)	7.6		0.0654	0.0654	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	CALCIUM (TOTAL)	7110		29	37.2	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	CHROMIUM (TOTAL)	35.5		0.14	0.24	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	COBALT (TOTAL)	7.9		0.26	0.349	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	COPPER (TOTAL)	362	J	0.34	0.393	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	IRON (TOTAL)	10200		4.21	4.62	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	LEAD (TOTAL)	24.8	J	0.32	0.393	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	4560		28.1	45.3	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	MANGANESE (TOTAL)	115		0.08	0.0872	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	MOLYBDENUM (TOTAL)	0.74	J	0.49	0.676	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	NICKEL (TOTAL)	31.5		0.3	0.458	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL149	10/24/2000	CL200.7	POTASSIUM (TOTAL)	1110		39.6	39.6	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	SILVER (TOTAL)	14.4		0.17	0.349	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	TITANIUM (TOTAL)	437		0.218	0.218	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	VANADIUM (TOTAL)	18.6		0.36	0.436	mg/Kg
SS102NA	AL149	10/24/2000	CL200.7	ZINC (TOTAL)	30.3		0.29	0.763	mg/Kg
SS102NA	AL149	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102NA	AL149	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.6	J	0.02	0.02	mg/Kg
SS102NA	AL149	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.02	J	0.01	0.01	mg/Kg
SS102NA	AL149	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	49.9	J	0.01	0.01	mg/Kg
SS102NA	AL149	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	2550	J	0	0	mg/Kg
SS102NA	AL149	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	26	360	ug/Kg
SS102NA	AL149	10/24/2000	SW8270	DI-N-BUTYL PHTHALATE	49	J	49	360	ug/Kg
SS102NA	AL150	10/24/2000	CL200.7	ALUMINUM (TOTAL)	10500		2.5	2.52	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	ANTIMONY (TOTAL)	1.9	J	0.5	0.934	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	BARIUM (TOTAL)	96.7		0.833	0.833	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.13		0.0203	0.0203	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	CADMIUM (TOTAL)	51.5		0.0609	0.0609	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	CALCIUM (TOTAL)	18300		29	34.7	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	CHROMIUM (TOTAL)	99.2		0.14	0.223	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	COBALT (TOTAL)	10.6		0.26	0.325	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	COPPER (TOTAL)	487	J	0.34	0.366	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	IRON (TOTAL)	14800		4.21	4.31	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	LEAD (TOTAL)	16.8	J	0.32	0.366	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	7180		28.1	42.2	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	MANGANESE (TOTAL)	170		0.08	0.0813	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	MOLYBDENUM (TOTAL)	3.6		0.49	0.63	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	NICKEL (TOTAL)	101		0.3	0.427	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	POTASSIUM (TOTAL)	3640		36.9	36.9	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	SILVER (TOTAL)	0.63	J	0.17	0.325	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	TITANIUM (TOTAL)	752		0.203	0.203	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	VANADIUM (TOTAL)	28.7		0.36	0.406	mg/Kg
SS102NA	AL150	10/24/2000	CL200.7	ZINC (TOTAL)	48.9		0.29	0.711	mg/Kg
SS102NA	AL150	10/24/2000	CVOL	BENZENE	2	J	0.41	6	ug/Kg
SS102NA	AL150	10/24/2000	CVOL	BROMOMETHANE	4	J	0.49	6	ug/Kg
SS102NA	AL150	10/24/2000	CVOL	CARBON DISULFIDE	0.6	J	0.43	6	ug/Kg
SS102NA	AL150	10/24/2000	CVOL	CHLOROMETHANE	0.8	J	0.61	6	ug/Kg
SS102NA	AL150	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102NA	AL150	10/24/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg
SS102NA	AL150	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	3	J	0.02	0.02	mg/Kg
SS102NA	AL150	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.14	J	0.01	0.01	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL150	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	133	J	0.01	0.01	mg/Kg
SS102NA	AL150	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	1620	J	0	0	mg/Kg
SS102NA	AL150	10/24/2000	SW8270	DI-N-BUTYL PHTHALATE	420	J	88.6	370	ug/Kg
SS102NA	AL150	10/24/2000	SW8270	PHENANTHRENE	24	J	24	370	ug/Kg
SS102NA	AL150	10/24/2000	SW8270	PYRENE	25	J	25	370	ug/Kg
SS102NA	AL151	10/24/2000	CL200.7	ALUMINUM (TOTAL)	7270		2.33	2.33	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	ARSENIC (TOTAL)	1.2	J	0.75	0.788	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	BARIUM (TOTAL)	72.2		0.769	0.769	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.09		0.0188	0.0188	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	CADMIUM (TOTAL)	0.24		0.0563	0.0563	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	CALCIUM (TOTAL)	2090		29	32	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	CHROMIUM (TOTAL)	30.4		0.14	0.206	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	COBALT (TOTAL)	7		0.26	0.3	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	COPPER (TOTAL)	27.9	J	0.338	0.338	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	IRON (TOTAL)	10500		3.98	3.98	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	LEAD (TOTAL)	5.3	J	0.32	0.338	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	5720		28.1	39	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	MANGANESE (TOTAL)	119		0.0751	0.0751	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	NICKEL (TOTAL)	14.8		0.3	0.394	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	POTASSIUM (TOTAL)	2680		34.1	34.1	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	TITANIUM (TOTAL)	611		0.188	0.188	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	VANADIUM (TOTAL)	23.4		0.36	0.375	mg/Kg
SS102NA	AL151	10/24/2000	CL200.7	ZINC (TOTAL)	19.8		0.29	0.657	mg/Kg
SS102NA	AL151	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102NA	AL151	10/24/2000	CVOL	TOLUENE	0.6	J	0.32	6	ug/Kg
SS102NA	AL151	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	0.02	0.02	mg/Kg
SS102NA	AL151	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	120	J	0.01	0.01	mg/Kg
SS102NA	AL151	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	1680	J	0	0	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	ALUMINUM (TOTAL)	7060		2.09	2.09	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	ARSENIC (TOTAL)	2	J	0.706	0.706	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	BARIUM (TOTAL)	38		0.689	0.689	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.0168	0.0168	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	CADMIUM (TOTAL)	1.7		0.0504	0.0504	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	CALCIUM (TOTAL)	3170		28.7	28.7	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	CHROMIUM (TOTAL)	25.2		0.14	0.185	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	COBALT (TOTAL)	5.9		0.26	0.269	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	COPPER (TOTAL)	57.6	J	0.303	0.303	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	IRON (TOTAL)	9930		3.56	3.56	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	LEAD (TOTAL)	12.7	J	0.303	0.303	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	4350		28.1	35	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL152	10/24/2000	CL200.7	MANGANESE (TOTAL)	113		0.0673	0.0673	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	NICKEL (TOTAL)	17		0.3	0.353	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	POTASSIUM (TOTAL)	1470		30.6	30.6	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	TITANIUM (TOTAL)	461		0.168	0.168	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	VANADIUM (TOTAL)	19.4		0.336	0.336	mg/Kg
SS102NA	AL152	10/24/2000	CL200.7	ZINC (TOTAL)	22.4		0.29	0.589	mg/Kg
SS102NA	AL152	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	7	ug/Kg
SS102NA	AL152	10/24/2000	CVOL	TOLUENE	0.8	J	0.32	7	ug/Kg
SS102NA	AL152	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.3	J	0.02	0.02	mg/Kg
SS102NA	AL152	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	258	J	0.01	0.01	mg/Kg
SS102NA	AL152	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	3970	J	0	0	mg/Kg
SS102NA	AL152	10/24/2000	SW8270	2,4-DINITROTOLUENE	41	J	30.7	360	ug/Kg
SS102NA	AL152	10/24/2000	SW8270	DI-N-BUTYL PHTHALATE	220	J	88.6	360	ug/Kg
SS102NA	AL153	10/24/2000	CL200.7	ALUMINUM (TOTAL)	6860		2.5	2.53	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	ARSENIC (TOTAL)	3.3	J	0.75	0.857	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	BARIUM (TOTAL)	13.3		0.837	0.837	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.24		0.0204	0.0204	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	CADMIUM (TOTAL)	0.85		0.0612	0.0612	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	CALCIUM (TOTAL)	765		29	34.8	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	CHROMIUM (TOTAL)	9.9		0.14	0.225	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	COBALT (TOTAL)	2.7		0.26	0.327	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	COPPER (TOTAL)	19.2	J	0.34	0.367	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	IRON (TOTAL)	8510		4.21	4.33	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	LEAD (TOTAL)	10.3	J	0.32	0.367	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	1060		28.1	42.4	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	MANGANESE (TOTAL)	69.9		0.08	0.0816	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	NICKEL (TOTAL)	7.2		0.3	0.429	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	POTASSIUM (TOTAL)	447		37.1	37.1	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	TITANIUM (TOTAL)	241		0.204	0.204	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	VANADIUM (TOTAL)	13.4		0.36	0.408	mg/Kg
SS102NA	AL153	10/24/2000	CL200.7	ZINC (TOTAL)	13.4		0.29	0.714	mg/Kg
SS102NA	AL153	10/24/2000	CVOL	ACETONE	69	J	4.34	8	ug/Kg
SS102NA	AL153	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	8	ug/Kg
SS102NA	AL153	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.1	J	0.02	0.02	mg/Kg
SS102NA	AL153	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.02	J	0.01	0.01	mg/Kg
SS102NA	AL153	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	134	J	0.01	0.01	mg/Kg
SS102NA	AL153	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	5650	J	0	0	mg/Kg
SS102NA	AL153	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	360	ug/Kg
SS102NA	AL154	10/24/2000	CL200.7	ALUMINUM (TOTAL)	7530		2.19	2.19	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	ARSENIC (TOTAL)	2.6	J	0.743	0.743	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL154	10/24/2000	CL200.7	BARIUM (TOTAL)	73		0.725	0.725	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0177	0.0177	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	CADMIUM (TOTAL)	7.9		0.0531	0.0531	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	CALCIUM (TOTAL)	9890		29	30.2	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	CHROMIUM (TOTAL)	29.6		0.14	0.195	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	COBALT (TOTAL)	6.2		0.26	0.283	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	COPPER (TOTAL)	227	J	0.319	0.319	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	IRON (TOTAL)	11100		3.75	3.75	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	LEAD (TOTAL)	18.6	J	0.319	0.319	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	4640		28.1	36.8	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	MANGANESE (TOTAL)	114		0.0708	0.0708	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	MOLYBDENUM (TOTAL)	1.2		0.49	0.549	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	NICKEL (TOTAL)	22.6		0.3	0.372	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	POTASSIUM (TOTAL)	2380		32.1	32.1	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	SILVER (TOTAL)	0.57		0.17	0.283	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	TITANIUM (TOTAL)	502		0.177	0.177	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	VANADIUM (TOTAL)	22.2		0.354	0.354	mg/Kg
SS102NA	AL154	10/24/2000	CL200.7	ZINC (TOTAL)	35.2		0.29	0.619	mg/Kg
SS102NA	AL154	10/24/2000	CVOL	BROMOMETHANE	2	J	0.49	10	ug/Kg
SS102NA	AL154	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	10	ug/Kg
SS102NA	AL154	10/24/2000	CVOL	TOLUENE	1	J	0.32	10	ug/Kg
SS102NA	AL154	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	213	J	0.01	0.01	mg/Kg
SS102NA	AL154	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	2390	J	0	0	mg/Kg
SS102NA	AL154	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	140	J	123	360	ug/Kg
SS102NA	AL155	10/24/2000	CL200.7	ALUMINUM (TOTAL)	12700		2.48	2.48	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	ANTIMONY (TOTAL)	1.8	J	0.5	0.92	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	ARSENIC (TOTAL)	0.99	J	0.75	0.84	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	BARIUM (TOTAL)	139		0.82	0.82	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.12		0.02	0.02	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	CADMIUM (TOTAL)	39.9		0.06	0.06	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	CHROMIUM (TOTAL)	88		0.14	0.22	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	COBALT (TOTAL)	14.5		0.26	0.32	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	COPPER (TOTAL)	441	J	0.34	0.36	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	IRON (TOTAL)	21000		4.21	4.24	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	LEAD (TOTAL)	7.9	J	0.32	0.36	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	MANGANESE (TOTAL)	246		0.08	0.08	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	MOLYBDENUM (TOTAL)	3		0.49	0.62	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	NICKEL (TOTAL)	138		0.3	0.42	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	POTASSIUM (TOTAL)	5370		36.3	36.3	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	THALLIUM (TOTAL)	0.94	J	0.64	0.9	mg/Kg

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NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NA	AL155	10/24/2000	CL200.7	VANADIUM (TOTAL)	42.5		0.36	0.4	mg/Kg
SS102NA	AL155	10/24/2000	CL200.7	ZINC (TOTAL)	39.2		0.29	0.7	mg/Kg
SS102NA	AL155	10/24/2000	CVOL	BENZENE	1	J	0.41	11	ug/Kg
SS102NA	AL155	10/24/2000	CVOL	CARBON DISULFIDE	2	J	0.43	11	ug/Kg
SS102NA	AL155	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	11	ug/Kg
SS102NA	AL155	10/24/2000	CVOL	TOLUENE	1	J	0.32	11	ug/Kg
SS102NA	AL155	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.9	J	0.02	0.02	mg/Kg
SS102NA	AL155	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.09	J	0.01	0.01	mg/Kg
SS102NA	AL155	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	301	J	0.01	0.01	mg/Kg
SS102NA	AL155	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	1570	J	0	0	mg/Kg
SS102NA	AL155	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	110	J	110	380	ug/Kg
SS102NA	AL155	10/24/2000	SW8270	DI-N-BUTYL PHTHALATE	32	J	32	380	ug/Kg
SS102NA	AL155	10/24/2000	SW8270	FLUORANTHENE	24	J	24	380	ug/Kg
SS102NA	AL155	10/24/2000	SW8270	PYRENE	37	J	37	380	ug/Kg
SS102NA	AL156	10/24/2000	CL200.7	ALUMINUM (TOTAL)	7010		2.29	2.29	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	ARSENIC (TOTAL)	2.1	J	0.75	0.777	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	BARIUM (TOTAL)	61.6		0.759	0.759	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0185	0.0185	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	CADMIUM (TOTAL)	2.5		0.0555	0.0555	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	CALCIUM (TOTAL)	2250		29	31.6	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	CHROMIUM (TOTAL)	27.9		0.14	0.204	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	COBALT (TOTAL)	6.8		0.26	0.296	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	COPPER (TOTAL)	48.8	J	0.333	0.333	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	IRON (TOTAL)	10500		3.92	3.92	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	LEAD (TOTAL)	14.5	J	0.32	0.333	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	MAGNESIUM (TOTAL)	4590		28.1	38.5	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	MANGANESE (TOTAL)	122		0.074	0.074	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	NICKEL (TOTAL)	15.3		0.3	0.389	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	POTASSIUM (TOTAL)	2190		33.6	33.6	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	TITANIUM (TOTAL)	499		0.185	0.185	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	VANADIUM (TOTAL)	21.3		0.36	0.37	mg/Kg
SS102NA	AL156	10/24/2000	CL200.7	ZINC (TOTAL)	24		0.29	0.648	mg/Kg
SS102NA	AL156	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	8	ug/Kg
SS102NA	AL156	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	5	J	0.02	0.02	mg/Kg
SS102NA	AL156	10/24/2000	E353.2	NITRATE/NITRITE (AS N)	0.03	J	0.01	0.01	mg/Kg
SS102NA	AL156	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	396	J	0.01	0.01	mg/Kg
SS102NA	AL156	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	1740	J	0	0	mg/Kg
SS102NA	AL156	10/24/2000	SW8270	DI-N-BUTYL PHTHALATE	47	J	47	360	ug/Kg
SS102NA	BE250	5/24/2002	E314.0	PERCHLORATE	2.9	J	2.26	3.33	ug/Kg
SS102NA	BE251	5/24/2002	SW8321	BENZANTHRONE	25	J	0.5	120	ug/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NAB	BC869	5/3/2002	CL200.7	ALUMINUM (TOTAL)	5820		3.9	3.9	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	ANTIMONY (TOTAL)	0.54	J	0.38	0.38	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	BARIUM (TOTAL)	24.4		0.74	0.74	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.26		0.02	0.02	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	BORON (TOTAL)	5.3		0.4	0.4	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	CADMIUM (TOTAL)	8.5		0.1	0.11	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	CALCIUM (TOTAL)	1300		27.2	27.2	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	CHROMIUM (TOTAL)	17.5		0.25	0.25	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	COBALT (TOTAL)	3.2		0.45	0.45	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	COPPER (TOTAL)	205		0.3	0.3	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	IRON (TOTAL)	8660		6.8	6.8	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	LEAD (TOTAL)	19.6		0.17	0.17	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	1620		28	28	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	MANGANESE (TOTAL)	92		0.17	0.17	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	MOLYBDENUM (TOTAL)	0.56	J	0.34	0.34	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	NICKEL (TOTAL)	14.2		0.51	0.51	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	POTASSIUM (TOTAL)	701		26.4	26.4	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	VANADIUM (TOTAL)	10.7		0.42	0.42	mg/Kg
SS102NAB	BC869	5/3/2002	CL200.7	ZINC (TOTAL)	22.9		0.19	0.19	mg/Kg
SS102NAB	BC870	5/3/2002	E314.0	PERCHLORATE	136		2.2	3.29	ug/Kg
SS102NAB	BC872	5/3/2002	CL200.7	ALUMINUM (TOTAL)	3580		3.8	3.8	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	BARIUM (TOTAL)	11.6		0.74	0.74	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.23		0.02	0.02	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	BORON (TOTAL)	3.9		0.4	0.4	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	CALCIUM (TOTAL)	309		26.9	26.9	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	CHROMIUM (TOTAL)	6.3		0.25	0.25	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	COBALT (TOTAL)	2.3		0.44	0.44	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	IRON (TOTAL)	6640		6.7	6.7	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	LEAD (TOTAL)	8.5		0.17	0.17	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	1120		27.7	27.7	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	MANGANESE (TOTAL)	94.5		0.17	0.17	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	NICKEL (TOTAL)	4.6		0.5	0.5	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	POTASSIUM (TOTAL)	608		26.1	26.1	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	VANADIUM (TOTAL)	7.9		0.42	0.42	mg/Kg
SS102NAB	BC872	5/3/2002	CL200.7	ZINC (TOTAL)	14.1		0.19	0.19	mg/Kg
SS102NAB	BC873	5/3/2002	E314.0	PERCHLORATE	16.3		2.2	3.28	ug/Kg
SS102NAB	BC875	5/3/2002	CL200.7	ALUMINUM (TOTAL)	5790		3.8	3.8	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	ANTIMONY (TOTAL)	0.73	J	0.37	0.37	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	BARIUM (TOTAL)	16.4		0.73	0.73	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.3		0.02	0.02	mg/Kg

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ug/Kg = microgram per Kilogram
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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NAB	BC875	5/3/2002	CL200.7	BORON (TOTAL)	5.7		0.4	0.4	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	CADMIUM (TOTAL)	8.4		0.1	0.1	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	CALCIUM (TOTAL)	1030		26.7	26.7	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	CHROMIUM (TOTAL)	11.8		0.25	0.25	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	COBALT (TOTAL)	2.6		0.44	0.44	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	COPPER (TOTAL)	83.1		0.29	0.29	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	IRON (TOTAL)	8620		6.6	6.6	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	LEAD (TOTAL)	12.5		0.17	0.17	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	1170		27.5	27.5	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	MANGANESE (TOTAL)	84.6		0.17	0.17	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	MOLYBDENUM (TOTAL)	0.5	J	0.33	0.33	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	NICKEL (TOTAL)	13.1		0.5	0.5	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	POTASSIUM (TOTAL)	576		25.8	25.8	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	VANADIUM (TOTAL)	11.9		0.42	0.42	mg/Kg
SS102NAB	BC875	5/3/2002	CL200.7	ZINC (TOTAL)	22.4		0.19	0.19	mg/Kg
SS102NAB	BC875	5/3/2002	SW8270	DI-N-BUTYL PHTHALATE	25	J	25	360	ug/Kg
SS102NAB	BC875	5/3/2002	SW8270	PHENOL	55	J	55	360	ug/Kg
SS102NAB	BC876	5/3/2002	E314.0	PERCHLORATE	234		2.2	3.44	ug/Kg
SS102NAB	BC878	5/3/2002	CL200.7	ALUMINUM (TOTAL)	5620		3.8	3.8	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	ANTIMONY (TOTAL)	0.79		0.37	0.37	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	BARIUM (TOTAL)	48.9		0.72	0.72	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.22		0.02	0.02	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	BORON (TOTAL)	10.3		0.39	0.39	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	CADMIUM (TOTAL)	0.94		0.1	0.1	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	CALCIUM (TOTAL)	1870		26.4	26.4	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	CHROMIUM (TOTAL)	23.8		0.25	0.25	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	COBALT (TOTAL)	4.2		0.43	0.43	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	COPPER (TOTAL)	26.3		0.29	0.29	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	IRON (TOTAL)	10400		6.6	6.6	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	LEAD (TOTAL)	4.8		0.16	0.16	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	3900		27.1	27.1	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	MANGANESE (TOTAL)	118		0.16	0.16	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	NICKEL (TOTAL)	12.1		0.49	0.49	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	POTASSIUM (TOTAL)	2010		25.5	25.5	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	VANADIUM (TOTAL)	17.4		0.41	0.41	mg/Kg
SS102NAB	BC878	5/3/2002	CL200.7	ZINC (TOTAL)	17.9		0.19	0.19	mg/Kg
SS102NAB	BC878	5/3/2002	SW8270	BENZO(B)FLUORANTHENE	22	J	22	350	ug/Kg
SS102NAB	BC878	5/3/2002	SW8270	BENZO(K)FLUORANTHENE	22	J	22	350	ug/Kg
SS102NAB	BC878	5/3/2002	SW8270	CHRYSENE	27	J	27	350	ug/Kg
SS102NAB	BC878	5/3/2002	SW8270	FLUORANTHENE	39	J	39	350	ug/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NAB	BC878	5/3/2002	SW8270	PYRENE	19	J	19	350	ug/Kg
SS102NAB	BC879	5/3/2002	E314.0	PERCHLORATE	66		2.2	3.2	ug/Kg
SS102NBA	BC931	5/6/2002	CL200.7	ALUMINUM (TOTAL)	4140		3.9	3.9	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	BARIUM (TOTAL)	15.3		1.4	1.4	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	BERYLLIUM (TOTAL)	0.11	J	0.02	0.02	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	BORON (TOTAL)	3.6		0.41	0.41	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	CADMIUM (TOTAL)	0.77		0.1	0.11	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	CALCIUM (TOTAL)	1750		27.6	27.6	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	CHROMIUM (TOTAL)	9.3		0.26	0.26	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	COBALT (TOTAL)	2.5		0.62	0.62	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	COPPER (TOTAL)	39.7	J	0.3	0.3	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	IRON (TOTAL)	6190		6.9	6.9	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	LEAD (TOTAL)	62.4		0.17	0.17	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	MAGNESIUM (TOTAL)	1120		28.4	28.4	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	MANGANESE (TOTAL)	81.8		0.11	0.11	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	MOLYBDENUM (TOTAL)	0.91		0.34	0.34	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	NICKEL (TOTAL)	6.8		0.6	0.6	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	POTASSIUM (TOTAL)	604		58.8	58.8	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	VANADIUM (TOTAL)	10.7		0.43	0.43	mg/Kg
SS102NBA	BC931	5/6/2002	CL200.7	ZINC (TOTAL)	15.4	J	0.22	0.22	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	ALUMINUM (TOTAL)	4390		3.9	3.9	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	BARIUM (TOTAL)	17.6		1.3	1.3	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	BERYLLIUM (TOTAL)	0.12	J	0.02	0.02	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	BORON (TOTAL)	3		0.4	0.4	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	CADMIUM (TOTAL)	0.11	J	0.1	0.11	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	CALCIUM (TOTAL)	2090		27.1	27.1	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	CHROMIUM (TOTAL)	10.3		0.25	0.25	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	COBALT (TOTAL)	2.8		0.61	0.61	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	COPPER (TOTAL)	11.1	J	0.3	0.3	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	IRON (TOTAL)	6420		6.7	6.7	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	LEAD (TOTAL)	9.8		0.17	0.17	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	MAGNESIUM (TOTAL)	1280		27.9	27.9	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	MANGANESE (TOTAL)	71.1		0.11	0.11	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	MOLYBDENUM (TOTAL)	0.43	J	0.34	0.34	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	NICKEL (TOTAL)	5.3		0.59	0.59	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	POTASSIUM (TOTAL)	742		57.7	57.7	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	VANADIUM (TOTAL)	10.7		0.42	0.42	mg/Kg
SS102NBA	BC934	5/6/2002	CL200.7	ZINC (TOTAL)	11.4	J	0.21	0.21	mg/Kg
SS102NBA	BC935	5/6/2002	E314.0	PERCHLORATE	9.49		2.2	3.25	ug/Kg
SS102NBA	BC937	5/6/2002	CL200.7	ALUMINUM (TOTAL)	3980		3.8	3.8	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NBA	BC937	5/6/2002	CL200.7	BARIUM (TOTAL)	12.8		1.3	1.3	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	BERYLLIUM (TOTAL)	0.14	J	0.02	0.02	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	BORON (TOTAL)	3.1		0.4	0.4	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	CALCIUM (TOTAL)	934		26.8	26.8	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	CHROMIUM (TOTAL)	8.7		0.25	0.25	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	COBALT (TOTAL)	2.4		0.61	0.61	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	COPPER (TOTAL)	6.6	J	0.29	0.29	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	IRON (TOTAL)	6520		6.7	6.7	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	LEAD (TOTAL)	9.7		0.17	0.17	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	MAGNESIUM (TOTAL)	1010		27.6	27.6	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	MANGANESE (TOTAL)	69.2		0.1	0.1	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	MOLYBDENUM (TOTAL)	0.34	J	0.33	0.33	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	NICKEL (TOTAL)	4.1		0.58	0.58	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	POTASSIUM (TOTAL)	536		57	57	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	VANADIUM (TOTAL)	10.5		0.42	0.42	mg/Kg
SS102NBA	BC937	5/6/2002	CL200.7	ZINC (TOTAL)	10.8	J	0.21	0.21	mg/Kg
SS102NBA	BC937	5/6/2002	SW8270	N-NITROSODIPHENYLAMINE	20	J	20	350	ug/Kg
SS102NBA	BC948	5/6/2002	CL200.7	ALUMINUM (TOTAL)	4140		3.8	3.8	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	BARIUM (TOTAL)	25.9		1.3	1.3	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	BERYLLIUM (TOTAL)	0.14	J	0.02	0.02	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	BORON (TOTAL)	2.9		0.4	0.4	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	CALCIUM (TOTAL)	1230		26.8	26.8	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	CHROMIUM (TOTAL)	12.9		0.25	0.25	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	COBALT (TOTAL)	3.5		0.61	0.61	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	COPPER (TOTAL)	8	J	0.29	0.29	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	IRON (TOTAL)	7180		6.7	6.7	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	LEAD (TOTAL)	4.7		0.17	0.17	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	MAGNESIUM (TOTAL)	2040		27.6	27.6	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	MANGANESE (TOTAL)	83.7		0.1	0.1	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	NICKEL (TOTAL)	6.6		0.59	0.59	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	POTASSIUM (TOTAL)	1190		57.1	57.1	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	VANADIUM (TOTAL)	13.3		0.42	0.42	mg/Kg
SS102NBA	BC948	5/6/2002	CL200.7	ZINC (TOTAL)	13.3	J	0.21	0.21	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	ALUMINUM (TOTAL)	13000		1.5	1.5	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	ANTIMONY (TOTAL)	1	J	0.44	0.44	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	BARIUM (TOTAL)	33		0.8	0.8	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.5		0.04	0.04	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	BORON (TOTAL)	4.7	J	0.44	0.44	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	CADMIUM (TOTAL)	2		0.04	0.04	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	CALCIUM (TOTAL)	1030		64.1	64.1	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102PC	AT324	10/11/2001	CL200.7	CHROMIUM (TOTAL)	21.8		0.14	0.14	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	COBALT (TOTAL)	5.5		0.28	0.28	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	COPPER (TOTAL)	33.3		0.2	0.2	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	IRON (TOTAL)	15400		3.2	3.2	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	LEAD (TOTAL)	23.5	J	0.12	0.12	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	2770		39.1	39.1	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	MANGANESE (TOTAL)	119	J	0.12	0.12	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	NICKEL (TOTAL)	12.4		0.42	0.42	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	POTASSIUM (TOTAL)	1310	J	23.5	23.5	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	VANADIUM (TOTAL)	27.2		0.42	0.42	mg/Kg
SS102PC	AT324	10/11/2001	CL200.7	ZINC (TOTAL)	30		0.18	0.18	mg/Kg
SS102PC	AT324	10/11/2001	CPEST	P,P'-DDT	1.8	J	1.63	3.6	ug/Kg
SS102PC	AT324	10/11/2001	CVOL	ACETONE	22	J	3.81	8	ug/Kg
SS102PC	AT324	10/11/2001	CVOL	BROMOMETHANE	2	J	2	8	ug/Kg
SS102PC	AT324	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	8	ug/Kg
SS102PC	AT324	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	1.5	2.6	mg/Kg
SS102PC	AT324	10/11/2001	E353.2	NITRATE/NITRITE (AS N)	0.023		0.0043	0.011	mg/Kg
SS102PC	AT324	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	131	J	1	2	mg/Kg
SS102PC	AT324	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	6550		0	0	mg/Kg
SS102PC	AT324	10/11/2001	SW8270	BENZOIC ACID	21	J	21	920	ug/Kg
SS102PC	AT324	10/11/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	140		17.6	120	ug/Kg
SS102PC	AT325	10/11/2001	CL200.7	ALUMINUM (TOTAL)	10000		1.7	1.7	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.59	J	0.47	0.47	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	BARIUM (TOTAL)	16.2		0.86	0.86	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.41		0.04	0.04	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	BORON (TOTAL)	3.7	J	0.47	0.47	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	CALCIUM (TOTAL)	627		68.7	68.7	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	CHROMIUM (TOTAL)	14.6		0.15	0.15	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	COBALT (TOTAL)	4.3		0.3	0.3	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	COPPER (TOTAL)	10.4		0.22	0.22	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	IRON (TOTAL)	11900		3.4	3.4	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	LEAD (TOTAL)	10.6	J	0.13	0.13	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	1790		41.9	41.9	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	MANGANESE (TOTAL)	95.8	J	0.13	0.13	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	NICKEL (TOTAL)	8		0.45	0.45	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	POTASSIUM (TOTAL)	811	J	25.2	25.2	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	VANADIUM (TOTAL)	20.3		0.45	0.45	mg/Kg
SS102PC	AT325	10/11/2001	CL200.7	ZINC (TOTAL)	16.9		0.19	0.19	mg/Kg
SS102PC	AT325	10/11/2001	CVOL	ACETONE	16	J	3.81	9	ug/Kg
SS102PC	AT325	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	9	ug/Kg

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ug/Kg = microgram per Kilogram
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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102PC	AT325	10/11/2001	CVOL	TOLUENE	0.8	J	0.8	9	ug/Kg
SS102PC	AT325	10/11/2001	E353.2	NITRATE/NITRITE (AS N)	0.021		0.0043	0.011	mg/Kg
SS102PC	AT325	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114	J	1	2.1	mg/Kg
SS102PC	AT325	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	4590		0	0	mg/Kg
SS102PC	AT325	10/11/2001	SW8270	BENZOIC ACID	17	J	17	900	ug/Kg
SS102PC	AT325	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	17	J	17	360	ug/Kg
SS102PC	AT326	10/11/2001	CL200.7	ALUMINUM (TOTAL)	9200		1.6	1.6	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.55	J	0.46	0.46	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	BARIUM (TOTAL)	15.7		0.84	0.84	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.39		0.04	0.04	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	BORON (TOTAL)	3.4	J	0.46	0.46	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	CADMIUM (TOTAL)	0.21		0.04	0.04	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	CALCIUM (TOTAL)	880		66.6	66.6	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	CHROMIUM (TOTAL)	12.8		0.15	0.15	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	COBALT (TOTAL)	4.8		0.29	0.29	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	COPPER (TOTAL)	10.3		0.21	0.21	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	IRON (TOTAL)	11700		3.3	3.3	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	LEAD (TOTAL)	10.7	J	0.13	0.13	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	1650		40.6	40.6	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	MANGANESE (TOTAL)	97.4	J	0.13	0.13	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	NICKEL (TOTAL)	11.4		0.44	0.44	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	POTASSIUM (TOTAL)	682	J	24.4	24.4	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	VANADIUM (TOTAL)	31		0.44	0.44	mg/Kg
SS102PC	AT326	10/11/2001	CL200.7	ZINC (TOTAL)	19.3		0.19	0.19	mg/Kg
SS102PC	AT326	10/11/2001	CPEST	P,P'-DDT	4.8	J	1.63	3.5	ug/Kg
SS102PC	AT326	10/11/2001	CVOL	ACETONE	13	J	3.81	8	ug/Kg
SS102PC	AT326	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg
SS102PC	AT326	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	1.5	2.6	mg/Kg
SS102PC	AT326	10/11/2001	E353.2	NITRATE/NITRITE (AS N)	0.035		0.0043	0.011	mg/Kg
SS102PC	AT326	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88	J	1	1.8	mg/Kg
SS102PC	AT326	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	3350		0	0	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	ALUMINUM (TOTAL)	9100		1.6	1.6	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.59	J	0.45	0.45	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	ARSENIC (TOTAL)	4.2	J	0.79	0.79	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	BARIUM (TOTAL)	16.2		0.81	0.81	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.35		0.04	0.04	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	BORON (TOTAL)	3.5	J	0.45	0.45	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	CADMIUM (TOTAL)	0.19		0.04	0.04	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	CALCIUM (TOTAL)	549		64.7	64.7	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	CHROMIUM (TOTAL)	12.7		0.14	0.14	mg/Kg

J = Estimates
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102PC	AT327	10/11/2001	CL200.7	COBALT (TOTAL)	3.5		0.28	0.28	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	COPPER (TOTAL)	7.8		0.2	0.2	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	IRON (TOTAL)	10700		3.2	3.2	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	LEAD (TOTAL)	11.4	J	0.12	0.12	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	1360		39.5	39.5	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	MANGANESE (TOTAL)	84.4	J	0.12	0.12	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	NICKEL (TOTAL)	7.6		0.43	0.43	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	POTASSIUM (TOTAL)	738	J	23.7	23.7	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	VANADIUM (TOTAL)	21.8		0.43	0.43	mg/Kg
SS102PC	AT327	10/11/2001	CL200.7	ZINC (TOTAL)	15.6		0.18	0.18	mg/Kg
SS102PC	AT327	10/11/2001	CPEST	P,P'-DDT	4.7	J	1.63	3.6	ug/Kg
SS102PC	AT327	10/11/2001	CVOL	ACETONE	15	J	3.81	8	ug/Kg
SS102PC	AT327	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg
SS102PC	AT327	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.1	J	1.5	2.4	mg/Kg
SS102PC	AT327	10/11/2001	E353.2	NITRATE/NITRITE (AS N)	0.021		0.0043	0.011	mg/Kg
SS102PC	AT327	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97.4	J	1	2.2	mg/Kg
SS102PC	AT327	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	4360		0	0	mg/Kg
SS102PC	BD045	5/9/2002	SW8321	BENZANTHRONE	40	J	0.5	120	ug/Kg
SS102UC	AT119	10/3/2001	CL200.7	ALUMINUM (TOTAL)	13300		1.8	1.8	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	ARSENIC (TOTAL)	3.6		0.35	0.35	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	BARIUM (TOTAL)	33.9		0.92	0.92	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.45		0.05	0.05	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	CADMIUM (TOTAL)	0.07	J	0.05	0.05	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	CALCIUM (TOTAL)	727		73.5	73.5	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	CHROMIUM (TOTAL)	23.5		0.28	0.28	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	COBALT (TOTAL)	6		0.32	0.32	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	COPPER (TOTAL)	10.4		0.23	0.23	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	IRON (TOTAL)	13700		4.1	4.1	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	LEAD (TOTAL)	10		0.14	0.14	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	MAGNESIUM (TOTAL)	3330		44.8	44.8	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	MANGANESE (TOTAL)	130		0.14	0.14	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	NICKEL (TOTAL)	12		0.48	0.48	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	POTASSIUM (TOTAL)	1500		26.9	26.9	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	VANADIUM (TOTAL)	29		0.48	0.48	mg/Kg
SS102UC	AT119	10/3/2001	CL200.7	ZINC (TOTAL)	29		0.35	0.35	mg/Kg
SS102UC	AT119	10/3/2001	CPEST	DIELDRIN	6	J	0.534	4	ug/Kg
SS102UC	AT119	10/3/2001	CVOL	ACETONE	220		3.81	19	ug/Kg
SS102UC	AT119	10/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	17	J	3.6	19	ug/Kg
SS102UC	AT119	10/3/2001	CVOL	TOLUENE	2	J	2	19	ug/Kg
SS102UC	AT119	10/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.9	J	1.5	2.7	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UC	AT119	10/3/2001	E353.2	NITRATE/NITRITE (AS N)	0.034		0.0043	0.012	mg/Kg
SS102UC	AT119	10/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109		1	2	mg/Kg
SS102UC	AT119	10/3/2001	LYDKHN	TOTAL ORGANIC CARBON	6220		0	0	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	ALUMINUM (TOTAL)	12200		1.8	1.8	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	ARSENIC (TOTAL)	3.8		0.35	0.35	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	BARIUM (TOTAL)	26.9		0.93	0.93	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.38		0.05	0.05	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	CALCIUM (TOTAL)	633		74.2	74.2	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	CHROMIUM (TOTAL)	19.1		0.28	0.28	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	COBALT (TOTAL)	5		0.33	0.33	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	COPPER (TOTAL)	8.5		0.23	0.23	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	IRON (TOTAL)	12700		4.2	4.2	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	LEAD (TOTAL)	10.2		0.14	0.14	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	MAGNESIUM (TOTAL)	2560		45.3	45.3	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	MANGANESE (TOTAL)	111		0.14	0.14	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	NICKEL (TOTAL)	10.3		0.49	0.49	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	POTASSIUM (TOTAL)	1220		27.2	27.2	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	SELENIUM (TOTAL)	0.4	J	0.28	0.28	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	VANADIUM (TOTAL)	26.2		0.49	0.49	mg/Kg
SS102UC	AT120	10/3/2001	CL200.7	ZINC (TOTAL)	23.1		0.35	0.35	mg/Kg
SS102UC	AT120	10/3/2001	CVOL	ACETONE	53		3.81	13	ug/Kg
SS102UC	AT120	10/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	13	ug/Kg
SS102UC	AT120	10/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.1	J	1.5	2.8	mg/Kg
SS102UC	AT120	10/3/2001	E353.2	NITRATE/NITRITE (AS N)	0.084		0.0043	0.012	mg/Kg
SS102UC	AT120	10/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	107		1	2	mg/Kg
SS102UC	AT120	10/3/2001	LYDKHN	TOTAL ORGANIC CARBON	9330		0	0	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	ALUMINUM (TOTAL)	7640		1.4	1.4	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	ARSENIC (TOTAL)	2.6		0.27	0.27	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	BARIUM (TOTAL)	14.9		0.72	0.72	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.32		0.04	0.04	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	CALCIUM (TOTAL)	536		57.4	57.4	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	CHROMIUM (TOTAL)	9.4		0.22	0.22	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	COBALT (TOTAL)	3.5		0.25	0.25	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	COPPER (TOTAL)	7.3		0.18	0.18	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	IRON (TOTAL)	8700		3.2	3.2	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	LEAD (TOTAL)	8.4		0.11	0.11	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	MAGNESIUM (TOTAL)	1270		35	35	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	MANGANESE (TOTAL)	94.4		0.11	0.11	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	NICKEL (TOTAL)	5.8		0.38	0.38	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	POTASSIUM (TOTAL)	705		21	21	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UC	AT121	10/3/2001	CL200.7	VANADIUM (TOTAL)	16.3		0.38	0.38	mg/Kg
SS102UC	AT121	10/3/2001	CL200.7	ZINC (TOTAL)	15.7		0.27	0.27	mg/Kg
SS102UC	AT121	10/3/2001	CVOL	ACETONE	43	J	3.81	10	ug/Kg
SS102UC	AT121	10/3/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102UC	AT121	10/3/2001	CVOL	BROMOMETHANE	1	J	1	10	ug/Kg
SS102UC	AT121	10/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	10	ug/Kg
SS102UC	AT121	10/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	1.5	2.5	mg/Kg
SS102UC	AT121	10/3/2001	E353.2	NITRATE/NITRITE (AS N)	0.13		0.0043	0.011	mg/Kg
SS102UC	AT121	10/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	124		1	2.2	mg/Kg
SS102UC	AT121	10/3/2001	LYDKHN	TOTAL ORGANIC CARBON	1450		0	0	mg/Kg
SS102UC	AT121	10/3/2001	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	420		23.7	120	ug/Kg
SS102UC	AT122	10/3/2001	CL200.7	ALUMINUM (TOTAL)	8170		1.6	1.6	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	ARSENIC (TOTAL)	3.2		0.31	0.31	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	BARIUM (TOTAL)	13.6		0.83	0.83	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.33		0.04	0.04	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	CALCIUM (TOTAL)	777		66.1	66.1	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	CHROMIUM (TOTAL)	10.1		0.25	0.25	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	COBALT (TOTAL)	3.1		0.29	0.29	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	COPPER (TOTAL)	4.6		0.21	0.21	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	IRON (TOTAL)	9550		3.7	3.7	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	LEAD (TOTAL)	8.7		0.12	0.12	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	MAGNESIUM (TOTAL)	1270		40.3	40.3	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	MANGANESE (TOTAL)	77.5		0.12	0.12	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	NICKEL (TOTAL)	5		0.43	0.43	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	POTASSIUM (TOTAL)	646		24.2	24.2	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	VANADIUM (TOTAL)	16.1		0.43	0.43	mg/Kg
SS102UC	AT122	10/3/2001	CL200.7	ZINC (TOTAL)	14.9		0.31	0.31	mg/Kg
SS102UC	AT122	10/3/2001	CVOL	ACETONE	66	J	3.81	7	ug/Kg
SS102UC	AT122	10/3/2001	CVOL	BROMOMETHANE	0.7	J	0.7	7	ug/Kg
SS102UC	AT122	10/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	3.6	7	ug/Kg
SS102UC	AT122	10/3/2001	CVOL	TOLUENE	0.6	J	0.6	7	ug/Kg
SS102UC	AT122	10/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.7	J	1.5	2.7	mg/Kg
SS102UC	AT122	10/3/2001	E353.2	NITRATE/NITRITE (AS N)	0.46		0.0043	0.011	mg/Kg
SS102UC	AT122	10/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	110		1	1.9	mg/Kg
SS102UC	AT122	10/3/2001	LYDKHN	TOTAL ORGANIC CARBON	752	J	0	0	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	ALUMINUM (TOTAL)	9120		1.5	1.5	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	ARSENIC (TOTAL)	3.9		0.3	0.3	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	BARIUM (TOTAL)	21.5		0.79	0.79	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.45		0.04	0.04	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	BORON (TOTAL)	2.8		0.44	0.44	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UG	AT135	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.77		0.04	0.04	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	CALCIUM (TOTAL)	627		63.2	63.2	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	CHROMIUM (TOTAL)	15		0.24	0.24	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	COBALT (TOTAL)	4.1		0.28	0.28	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	COPPER (TOTAL)	56.6		0.2	0.2	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	IRON (TOTAL)	13600		3.6	3.6	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	LEAD (TOTAL)	17.3	J	0.12	0.12	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1680		38.6	38.6	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	MANGANESE (TOTAL)	102		0.12	0.12	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	MOLYBDENUM (TOTAL)	1.3	J	0.5	0.57	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	NICKEL (TOTAL)	12.1		0.4	0.4	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	POTASSIUM (TOTAL)	884		46.2	46.2	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	VANADIUM (TOTAL)	39.9		0.42	0.42	mg/Kg
SS102UG	AT135	10/1/2001	CL200.7	ZINC (TOTAL)	28.9		0.18	0.18	mg/Kg
SS102UG	AT135	10/1/2001	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2.7	J	0.301	2	ug/Kg
SS102UG	AT135	10/1/2001	CVOL	ACETONE	53	J	3.81	9	ug/Kg
SS102UG	AT135	10/1/2001	CVOL	BROMOFORM	1	J	1	9	ug/Kg
SS102UG	AT135	10/1/2001	CVOL	CHLOROMETHANE	1	J	1	9	ug/Kg
SS102UG	AT135	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12		3.6	9	ug/Kg
SS102UG	AT135	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.9	J	1.5	2.6	mg/Kg
SS102UG	AT135	10/1/2001	E353.2	NITRATE/NITRITE (AS N)	0.054	J	0.0043	0.012	mg/Kg
SS102UG	AT135	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	111	J	1	2	mg/Kg
SS102UG	AT135	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	7020	J	0	0	mg/Kg
SS102UG	AT135	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	44	J	44	380	ug/Kg
SS102UG	AT136	10/1/2001	CL200.7	ALUMINUM (TOTAL)	10600		1.7	1.7	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	ARSENIC (TOTAL)	4.2		0.34	0.34	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	BARIUM (TOTAL)	19.8		0.89	0.89	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.37		0.04	0.04	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	BORON (TOTAL)	3.2		0.49	0.49	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.18		0.04	0.04	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	CALCIUM (TOTAL)	691		71.3	71.3	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	CHROMIUM (TOTAL)	15.4		0.27	0.27	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	COBALT (TOTAL)	4		0.31	0.31	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	COPPER (TOTAL)	23.8		0.22	0.22	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	IRON (TOTAL)	12600		4	4	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	LEAD (TOTAL)	10.7	J	0.13	0.13	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1860		43.5	43.5	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	MANGANESE (TOTAL)	99.3		0.13	0.13	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	NICKEL (TOTAL)	9.6		0.45	0.45	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	POTASSIUM (TOTAL)	920		52.1	52.1	mg/Kg

J = Estimates
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UG	AT136	10/1/2001	CL200.7	VANADIUM (TOTAL)	30.4		0.47	0.47	mg/Kg
SS102UG	AT136	10/1/2001	CL200.7	ZINC (TOTAL)	23.9		0.2	0.2	mg/Kg
SS102UG	AT136	10/1/2001	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	1.7	J	0.301	1.9	ug/Kg
SS102UG	AT136	10/1/2001	CPEST	P,P'-DDT	2.3	J	1.63	3.7	ug/Kg
SS102UG	AT136	10/1/2001	CVOL	ACETONE	30	J	3.81	9	ug/Kg
SS102UG	AT136	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	9	ug/Kg
SS102UG	AT136	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.9	J	1.5	2.5	mg/Kg
SS102UG	AT136	10/1/2001	E353.2	NITRATE/NITRITE (AS N)	0.024	J	0.0043	0.011	mg/Kg
SS102UG	AT136	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	105	J	1	2.1	mg/Kg
SS102UG	AT136	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	3770	J	0	0	mg/Kg
SS102UG	AT136	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	370	ug/Kg
SS102UG	AT136	10/1/2001	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	4500		23.7	120	ug/Kg
SS102UG	AT137	10/1/2001	CL200.7	ALUMINUM (TOTAL)	9780		1.6	1.6	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	ARSENIC (TOTAL)	3.6		0.31	0.31	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	BARIUM (TOTAL)	19.1		0.83	0.83	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.32		0.04	0.04	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	BORON (TOTAL)	3		0.45	0.45	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.25		0.04	0.04	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	CALCIUM (TOTAL)	630		65.9	65.9	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	CHROMIUM (TOTAL)	14.4		0.25	0.25	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	COBALT (TOTAL)	4		0.29	0.29	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	COPPER (TOTAL)	21.9		0.21	0.21	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	IRON (TOTAL)	11300		3.7	3.7	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	LEAD (TOTAL)	10.2	J	0.12	0.12	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1710		40.2	40.2	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	MANGANESE (TOTAL)	91.5		0.12	0.12	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	NICKEL (TOTAL)	8.8		0.41	0.41	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	POTASSIUM (TOTAL)	858		48.1	48.1	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	VANADIUM (TOTAL)	26.9		0.43	0.43	mg/Kg
SS102UG	AT137	10/1/2001	CL200.7	ZINC (TOTAL)	22.7		0.19	0.19	mg/Kg
SS102UG	AT137	10/1/2001	CVOL	ACETONE	28	J	3.81	9	ug/Kg
SS102UG	AT137	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	9	ug/Kg
SS102UG	AT137	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.4	J	1.5	2.5	mg/Kg
SS102UG	AT137	10/1/2001	E353.2	NITRATE/NITRITE (AS N)	0.021	J	0.0043	0.011	mg/Kg
SS102UG	AT137	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	75.4	J	1	2.3	mg/Kg
SS102UG	AT137	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	6700	J	0	0	mg/Kg
SS102UG	AT137	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19	J	19	370	ug/Kg
SS102UG	AT137	10/1/2001	SW8270	N-NITROSODIPHENYLAMINE	17	J	17	370	ug/Kg
SS102UG	AT138	10/1/2001	CL200.7	ALUMINUM (TOTAL)	7780		1.5	1.5	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	ARSENIC (TOTAL)	3.3		0.28	0.28	mg/Kg

J = Estimates
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UG	AT138	10/1/2001	CL200.7	BARIUM (TOTAL)	13.3		0.76	0.76	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.29		0.04	0.04	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	BORON (TOTAL)	2.1		0.42	0.42	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.06	J	0.04	0.04	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	CALCIUM (TOTAL)	507		60.5	60.5	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	CHROMIUM (TOTAL)	10.5		0.23	0.23	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	COBALT (TOTAL)	3.1		0.27	0.27	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	COPPER (TOTAL)	7		0.19	0.19	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	IRON (TOTAL)	9480		3.4	3.4	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	LEAD (TOTAL)	8.2	J	0.11	0.11	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1210		36.9	36.9	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	MANGANESE (TOTAL)	80.9		0.11	0.11	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	NICKEL (TOTAL)	9.3		0.38	0.38	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	POTASSIUM (TOTAL)	659		44.2	44.2	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	VANADIUM (TOTAL)	32.8		0.4	0.4	mg/Kg
SS102UG	AT138	10/1/2001	CL200.7	ZINC (TOTAL)	13.9		0.17	0.17	mg/Kg
SS102UG	AT138	10/1/2001	CPEST	P,P'-DDT	1.9	J	1.63	3.6	ug/Kg
SS102UG	AT138	10/1/2001	CVOL	ACETONE	22	J	3.81	8	ug/Kg
SS102UG	AT138	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	8	ug/Kg
SS102UG	AT138	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.1	J	1.5	2.3	mg/Kg
SS102UG	AT138	10/1/2001	E353.2	NITRATE/NITRITE (AS N)	0.051	J	0.0043	0.011	mg/Kg
SS102UG	AT138	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86.6	J	1	2	mg/Kg
SS102UG	AT138	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	3800	J	0	0	mg/Kg
SS102UG	AT138	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	21	J	21	360	ug/Kg
SS102UG	AT138	10/1/2001	SW8270	DI-N-BUTYL PHTHALATE	18	J	18	360	ug/Kg
SS102UG	AT139	10/1/2001	CL200.7	ALUMINUM (TOTAL)	6350		1.6	1.6	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	ARSENIC (TOTAL)	3.3		0.31	0.31	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	BARIUM (TOTAL)	12.3		0.83	0.83	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.31		0.04	0.04	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	BORON (TOTAL)	1.8		0.46	0.46	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.09		0.04	0.04	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	CALCIUM (TOTAL)	1010		66.3	66.3	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	CHROMIUM (TOTAL)	9.4		0.25	0.25	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	COBALT (TOTAL)	3.1		0.29	0.29	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	COPPER (TOTAL)	6.9		0.21	0.21	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	IRON (TOTAL)	8970		3.7	3.7	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	LEAD (TOTAL)	6.9	J	0.12	0.12	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1150		40.5	40.5	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	MANGANESE (TOTAL)	79.3		0.12	0.12	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	NICKEL (TOTAL)	12.8		0.42	0.42	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UG	AT139	10/1/2001	CL200.7	POTASSIUM (TOTAL)	625		48.4	48.4	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	VANADIUM (TOTAL)	53.9		0.44	0.44	mg/Kg
SS102UG	AT139	10/1/2001	CL200.7	ZINC (TOTAL)	13.9		0.19	0.19	mg/Kg
SS102UG	AT139	10/1/2001	CVOL	BROMOFORM	0.9	J	0.9	9	ug/Kg
SS102UG	AT139	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	9	ug/Kg
SS102UG	AT139	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	1.5	2.4	mg/Kg
SS102UG	AT139	10/1/2001	E353.2	NITRATE/NITRITE (AS N)	0.081	J	0.0043	0.011	mg/Kg
SS102UG	AT139	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114	J	1	1.9	mg/Kg
SS102UG	AT139	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	1870	J	0	0	mg/Kg
SS102UG	AT139	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	360	ug/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	ALUMINUM (TOTAL)	2980		2.6	16.4	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.9		0.29	0.84	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	BARIUM (TOTAL)	8.9	J	0.98	16.8	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.16	J	0.025	0.42	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	CADMIUM (TOTAL)	0.4	J	0.059	0.42	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	CALCIUM (TOTAL)	445		27.3	420	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	CHROMIUM (TOTAL)	5.1		0.11	0.84	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	COBALT (TOTAL)	1.3	J	0.26	4.2	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	COPPER (TOTAL)	19.2	J	0.17	2.1	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	IRON (TOTAL)	5550		2.5	8.4	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	LEAD (TOTAL)	7.7		0.24	0.25	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	664		25.8	420	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	MANGANESE (TOTAL)	54.5	J	0.084	1.26	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.23	J	0.1	0.84	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	NICKEL (TOTAL)	3.5		0.24	3.36	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	POTASSIUM (TOTAL)	325	J	43.8	420	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.61	J	0.25	0.42	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	SODIUM (TOTAL)	95.9	J	42.2	420	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	VANADIUM (TOTAL)	9.3		0.32	4.2	mg/Kg
SS15029-A	102JA-A-01	10/30/2003	SW6010B	ZINC (TOTAL)	11.9		0.17	1.68	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	ALUMINUM (TOTAL)	2550		2.7	17.5	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	ANTIMONY (TOTAL)	0.77	J	0.72	5.25	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.4		0.31	0.88	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	BARIUM (TOTAL)	7.4	J	1	17.5	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.14	J	0.026	0.44	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	CALCIUM (TOTAL)	229	J	28.4	438	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	CHROMIUM (TOTAL)	3.5		0.11	0.88	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	COBALT (TOTAL)	1	J	0.27	4.38	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	COPPER (TOTAL)	7.2	J	0.18	2.19	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	IRON (TOTAL)	3830		2.6	8.75	mg/Kg

J = Estimates
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ug/Kg = microgram per Kilogram
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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15029-A	102JA-A-02	10/30/2003	SW6010B	LEAD (TOTAL)	5.9		0.25	0.26	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	490		26.9	438	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	MANGANESE (TOTAL)	43.8	J	0.087	1.31	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	NICKEL (TOTAL)	1.8	J	0.25	3.5	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	POTASSIUM (TOTAL)	263	J	45.7	438	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.53	J	0.26	0.44	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	SODIUM (TOTAL)	88.5	J	43.9	438	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	VANADIUM (TOTAL)	6.8		0.33	4.38	mg/Kg
SS15029-A	102JA-A-02	10/30/2003	SW6010B	ZINC (TOTAL)	6.2		0.18	1.75	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	ALUMINUM (TOTAL)	1290		2.5	16.2	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.3		0.28	0.81	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	BARIUM (TOTAL)	3.7	J	0.95	16.2	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.14	J	0.024	0.4	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	CALCIUM (TOTAL)	94.1	J	26.2	404	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	CHROMIUM (TOTAL)	2.1	J	0.1	0.81	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	COBALT (TOTAL)	0.59	J	0.25	4.04	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	COPPER (TOTAL)	1.4	J	0.16	2.02	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	IRON (TOTAL)	3410		2.4	8.08	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	LEAD (TOTAL)	1.9		0.23	0.24	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	301	J	24.8	404	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	MANGANESE (TOTAL)	26.4	J	0.081	1.21	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	NICKEL (TOTAL)	0.77	J	0.23	3.23	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	POTASSIUM (TOTAL)	209	J	42.1	404	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.3	J	0.24	0.4	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	VANADIUM (TOTAL)	5.6		0.31	4.04	mg/Kg
SS15029-A	102JA-A-03	10/30/2003	SW6010B	ZINC (TOTAL)	5.2		0.16	1.62	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	ALUMINUM (TOTAL)	3320		2.9	18.6	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	ARSENIC (TOTAL)	2.1		0.33	0.93	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	BARIUM (TOTAL)	9.7	J	1.1	18.6	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.19	J	0.028	0.47	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	CADMIUM (TOTAL)	0.43	J	0.065	0.47	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	CALCIUM (TOTAL)	346	J	30.2	465	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	CHROMIUM (TOTAL)	5.4		0.12	0.93	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	COBALT (TOTAL)	1.4	J	0.29	4.65	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	COPPER (TOTAL)	449	J	0.19	2.33	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	IRON (TOTAL)	5330		2.8	9.3	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	LEAD (TOTAL)	6.5		0.26	0.28	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	654		28.6	465	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	MANGANESE (TOTAL)	53.5	J	0.093	1.4	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.23	J	0.11	0.93	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15029-B	102JA-B-01	10/30/2003	SW6010B	NICKEL (TOTAL)	3.4	J	0.26	3.72	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	POTASSIUM (TOTAL)	368	J	48.5	465	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.45	J	0.28	0.47	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	SODIUM (TOTAL)	130	J	46.7	465	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	VANADIUM (TOTAL)	9.3		0.35	4.65	mg/Kg
SS15029-B	102JA-B-01	10/30/2003	SW6010B	ZINC (TOTAL)	10.1		0.19	1.86	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	ALUMINUM (TOTAL)	2540		3.2	21.1	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.7		0.37	1.05	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	BARIUM (TOTAL)	8.2	J	1.2	21.1	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.17	J	0.032	0.53	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	CALCIUM (TOTAL)	293	J	34.3	527	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	CHROMIUM (TOTAL)	4		0.14	1.05	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	COBALT (TOTAL)	1.1	J	0.33	5.27	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	COPPER (TOTAL)	5.3	J	0.21	2.64	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	IRON (TOTAL)	4580		3.2	10.5	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	LEAD (TOTAL)	4.6		0.3	0.32	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	449	J	32.4	527	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	MANGANESE (TOTAL)	43.2	J	0.11	1.58	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	NICKEL (TOTAL)	2.1	J	0.3	4.22	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	POTASSIUM (TOTAL)	286	J	55	527	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.38	J	0.32	0.53	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	SODIUM (TOTAL)	115	J	52.9	527	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	VANADIUM (TOTAL)	8.1		0.4	5.27	mg/Kg
SS15029-B	102JA-B-02	10/30/2003	SW6010B	ZINC (TOTAL)	6.5		0.21	2.11	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	ALUMINUM (TOTAL)	2620		2.9	18.8	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.5		0.33	0.94	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	BARIUM (TOTAL)	7.8	J	1.1	18.8	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.13	J	0.028	0.47	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	CALCIUM (TOTAL)	1000		30.6	470	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	CHROMIUM (TOTAL)	3.5		0.12	0.94	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	COBALT (TOTAL)	1	J	0.29	4.7	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	COPPER (TOTAL)	3.4	J	0.19	2.35	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	IRON (TOTAL)	3610		2.8	9.41	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	LEAD (TOTAL)	4.2		0.26	0.28	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	505		28.9	470	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	MANGANESE (TOTAL)	53	J	0.094	1.41	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	NICKEL (TOTAL)	1.6	J	0.26	3.76	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	POTASSIUM (TOTAL)	262	J	49.1	470	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.4	J	0.28	0.47	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	SODIUM (TOTAL)	107	J	47.2	470	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
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ug/Kg = microgram per Kilogram
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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	VANADIUM (TOTAL)	6.2		0.36	4.7	mg/Kg
SS15029-B	102JA-B-02FD	10/30/2003	SW6010B	ZINC (TOTAL)	6.8		0.19	1.88	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	ALUMINUM (TOTAL)	2420		2.8	15.3	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.8		0.32	0.91	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	BARIUM (TOTAL)	8.4	J	1.1	18.3	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.17	J	0.027	0.46	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	CALCIUM (TOTAL)	238	J	29.7	457	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	CHROMIUM (TOTAL)	3.6		0.12	0.91	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	COBALT (TOTAL)	0.94	J	0.28	4.57	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	COPPER (TOTAL)	3	J	0.18	2.29	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	IRON (TOTAL)	4270		2.7	9.14	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	LEAD (TOTAL)	4.2		0.26	0.27	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	390	J	28.1	457	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	MANGANESE (TOTAL)	34.8	J	0.091	1.37	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.15	J	0.11	0.91	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	NICKEL (TOTAL)	1.7	J	0.26	3.66	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	POTASSIUM (TOTAL)	254	J	47.7	457	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.37	J	0.27	0.46	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	SODIUM (TOTAL)	102	J	45.9	457	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	VANADIUM (TOTAL)	8.2		0.35	4.57	mg/Kg
SS15029-B	102JA-B-03	10/30/2003	SW6010B	ZINC (TOTAL)	5.7		0.18	1.83	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	E314.0	PERCHLORATE	1.7	J	1.4	4.2	ug/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	ALUMINUM (TOTAL)	1390		2.7	17.7	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	ANTIMONY (TOTAL)	0.79	J	0.72	5.3	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.1		0.31	0.88	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	BARIUM (TOTAL)	8.1	J	1	17.7	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.1	J	0.026	0.44	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	CADMIUM (TOTAL)	3.3		0.062	0.44	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	CALCIUM (TOTAL)	316	J	28.7	441	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	CHROMIUM (TOTAL)	8.2		0.11	0.88	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	COBALT (TOTAL)	0.85	J	0.27	4.41	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	COPPER (TOTAL)	58.7	J	0.18	2.21	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	IRON (TOTAL)	3560		2.6	8.83	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	LEAD (TOTAL)	4.8		0.25	0.26	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	401	J	27.1	441	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	MANGANESE (TOTAL)	28.9	J	0.088	1.32	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.23	J	0.11	0.88	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	NICKEL (TOTAL)	6.2		0.25	3.53	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	POTASSIUM (TOTAL)	178	J	46.1	441	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.35	J	0.26	0.44	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15029-C	102JA-C-01	10/30/2003	SW6010B	SILVER (TOTAL)	0.49	J	0.13	0.88	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	SODIUM (TOTAL)	57.2	J	44.3	441	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	VANADIUM (TOTAL)	6		0.34	4.41	mg/Kg
SS15029-C	102JA-C-01	10/30/2003	SW6010B	ZINC (TOTAL)	9.6		0.18	1.77	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	ALUMINUM (TOTAL)	1600		2.5	16	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	ANTIMONY (TOTAL)	0.66	J	0.66	4.81	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.3		0.28	0.8	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	BARIUM (TOTAL)	7.2	J	0.94	16	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.12	J	0.024	0.4	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	CADMIUM (TOTAL)	1.7		0.056	0.4	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	CALCIUM (TOTAL)	253	J	26	401	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	CHROMIUM (TOTAL)	3.6		0.1	0.8	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	COBALT (TOTAL)	0.81	J	0.25	4.01	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	COPPER (TOTAL)	43.7	J	0.16	2	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	IRON (TOTAL)	4170		2.4	8.02	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	LEAD (TOTAL)	4.2		0.22	0.24	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	340	J	24.6	401	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	MANGANESE (TOTAL)	35.3	J	0.08	1.2	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.1	J	0.096	0.8	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	NICKEL (TOTAL)	3.2	J	0.22	3.21	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	POTASSIUM (TOTAL)	245	J	41.8	401	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.42	J	0.24	0.4	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	SODIUM (TOTAL)	68.5	J	40.2	401	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	VANADIUM (TOTAL)	5.9		0.3	4.01	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW6010B	ZINC (TOTAL)	9.7		0.16	1.6	mg/Kg
SS15029-C	102JA-C-02	10/30/2003	SW8270C	DI-N-BUTYL PHTHALATE	52	J	26.6	350	ug/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	ALUMINUM (TOTAL)	3280		2.8	18.4	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.9		0.32	0.92	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	BARIUM (TOTAL)	9.4	J	1.1	18.4	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.17	J	0.028	0.46	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	CALCIUM (TOTAL)	1350	J	29.8	459	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	CHROMIUM (TOTAL)	4.9	J	0.12	0.92	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	COBALT (TOTAL)	1.4	J	0.28	4.59	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	COPPER (TOTAL)	9		0.18	2.3	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	IRON (TOTAL)	5340		2.8	9.18	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	LEAD (TOTAL)	4.8		0.26	0.28	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	638		28.2	459	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	MANGANESE (TOTAL)	50.3	J	0.092	1.38	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.13	J	0.11	0.92	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	NICKEL (TOTAL)	2.5	J	0.26	3.67	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15029-C	102JA-C-03	10/30/2003	SW6010B	POTASSIUM (TOTAL)	341	J	47.9	459	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.63	J	0.28	0.46	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	SILVER (TOTAL)	0.15	J	0.14	0.92	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	SODIUM (TOTAL)	116	J	46.1	459	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	VANADIUM (TOTAL)	8.9		0.35	4.59	mg/Kg
SS15029-C	102JA-C-03	10/30/2003	SW6010B	ZINC (TOTAL)	8.6		0.18	1.84	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	ALUMINUM (TOTAL)	4060		2.8	18.5	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	ARSENIC (TOTAL)	2.2		0.32	0.92	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	BARIUM (TOTAL)	11.9	J	1.1	18.5	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.028	0.46	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	CALCIUM (TOTAL)	4170	J	30	462	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	CHROMIUM (TOTAL)	6.2		0.12	0.92	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	COBALT (TOTAL)	1.5	J	0.29	4.62	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	COPPER (TOTAL)	10.4	J	0.18	2.31	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	IRON (TOTAL)	6280		2.8	9.23	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	LEAD (TOTAL)	5.6		0.26	0.28	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	830		28.4	462	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	MANGANESE (TOTAL)	61.9	J	0.092	1.38	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.11	J	0.11	0.92	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	NICKEL (TOTAL)	3.3	J	0.26	3.69	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	POTASSIUM (TOTAL)	407	J	48.2	462	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.71	J	0.28	0.46	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	SODIUM (TOTAL)	135	J	46.3	462	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	VANADIUM (TOTAL)	11.5		0.35	4.62	mg/Kg
SS15029-C	102JA-C-03FD	10/30/2003	SW6010B	ZINC (TOTAL)	10.6		0.18	1.85	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	ALUMINUM (TOTAL)	1770		3.2	20.8	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	ARSENIC (TOTAL)	2.2		0.36	1.04	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	BARIUM (TOTAL)	5.5	J	1.2	20.8	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	BORON (TOTAL)	1.8	J	0.67	10.4	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	CALCIUM (TOTAL)	565		33.8	520	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	CHROMIUM (TOTAL)	3.8		0.14	1.04	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	COBALT (TOTAL)	0.87	J	0.32	5.2	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	COPPER (TOTAL)	2.3	J	0.21	2.6	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	IRON (TOTAL)	4250		3.1	10.4	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	LEAD (TOTAL)	3.1		0.29	0.31	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	507	J	32	520	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	MANGANESE (TOTAL)	36.9		0.1	1.56	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	NICKEL (TOTAL)	2	J	0.47	4.16	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	POTASSIUM (TOTAL)	406	J	54.3	520	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	SODIUM (TOTAL)	110	J	52.2	520	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15030-A	102KA-A-01	10/31/2003	SW6010B	VANADIUM (TOTAL)	8.8		0.4	5.2	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW6010B	ZINC (TOTAL)	8.1		0.2	2.08	mg/Kg
SS15030-A	102KA-A-01	10/31/2003	SW8270C	DI-N-BUTYL PHTHALATE	69	J	27.4	360	ug/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	ALUMINUM (TOTAL)	3100		3	19.6	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	ARSENIC (TOTAL)	2.6		0.34	0.98	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	BARIUM (TOTAL)	11.1	J	1.1	19.6	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.029	0.49	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	BORON (TOTAL)	0.77	J	0.63	9.8	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	CALCIUM (TOTAL)	707		31.8	490	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	CHROMIUM (TOTAL)	7.2		0.13	0.98	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	COBALT (TOTAL)	1.6	J	0.3	4.9	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	COPPER (TOTAL)	3.7		0.2	2.45	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	IRON (TOTAL)	4700		2.9	9.8	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	LEAD (TOTAL)	3.3		0.27	0.29	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	1100		30.1	490	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	MANGANESE (TOTAL)	60.3		0.098	1.47	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	NICKEL (TOTAL)	4.8		0.44	3.92	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	POTASSIUM (TOTAL)	675		51.1	490	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	SODIUM (TOTAL)	181	J	49.2	490	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	VANADIUM (TOTAL)	9.7		0.37	4.9	mg/Kg
SS15030-A	102KA-A-02	10/31/2003	SW6010B	ZINC (TOTAL)	10.7		0.19	1.96	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	ALUMINUM (TOTAL)	6760		3.1	20	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.35	1	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	BARIUM (TOTAL)	27.5		1.2	20	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.03	0.5	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	BORON (TOTAL)	0.76	J	0.64	9.98	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	CALCIUM (TOTAL)	1440		32.4	499	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	CHROMIUM (TOTAL)	14		0.13	1	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	COBALT (TOTAL)	4	J	0.31	4.99	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	COPPER (TOTAL)	8.9		0.2	2.49	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	IRON (TOTAL)	8400		3	9.98	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	LEAD (TOTAL)	4.9		0.28	0.3	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	2530		30.6	499	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	MANGANESE (TOTAL)	148		0.1	1.5	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	NICKEL (TOTAL)	11.2		0.45	3.99	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	POTASSIUM (TOTAL)	1590		52	499	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	SODIUM (TOTAL)	347	J	50.1	499	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	VANADIUM (TOTAL)	14.1		0.38	4.99	mg/Kg
SS15030-A	102KA-A-03	10/31/2003	SW6010B	ZINC (TOTAL)	23.7		0.19	2	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	ALUMINUM (TOTAL)	3850		3.3	21.2	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15030-B	102KA-B-01	10/31/2003	SW6010B	ARSENIC (TOTAL)	2.9		0.37	1.06	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	BARIUM (TOTAL)	12.9	J	1.2	21.2	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.032	0.53	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	BORON (TOTAL)	1.1	J	0.68	10.6	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	CALCIUM (TOTAL)	969		34.4	530	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	CHROMIUM (TOTAL)	7.9		0.14	1.06	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.33	5.3	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	COPPER (TOTAL)	5.7		0.21	2.65	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	IRON (TOTAL)	5410		3.2	10.6	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	LEAD (TOTAL)	4.3		0.3	0.32	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	1410		32.5	530	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	MANGANESE (TOTAL)	91		0.11	1.59	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	NICKEL (TOTAL)	6.2		0.48	4.24	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	POTASSIUM (TOTAL)	829		55.3	530	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	SODIUM (TOTAL)	226	J	53.2	530	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	VANADIUM (TOTAL)	10.5		0.4	5.3	mg/Kg
SS15030-B	102KA-B-01	10/31/2003	SW6010B	ZINC (TOTAL)	15.3		0.2	2.12	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	ALUMINUM (TOTAL)	5480		2.7	17.8	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	ARSENIC (TOTAL)	4.4		0.31	0.89	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	BARIUM (TOTAL)	22.6		1	17.8	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.027	0.44	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	BORON (TOTAL)	0.67	J	0.57	8.88	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	CALCIUM (TOTAL)	1060		28.8	444	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	CHROMIUM (TOTAL)	11.1		0.12	0.89	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	COBALT (TOTAL)	3.4	J	0.28	4.44	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	COPPER (TOTAL)	7.9		0.18	2.22	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	IRON (TOTAL)	7010		2.7	8.88	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	LEAD (TOTAL)	4.9		0.25	0.27	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	1950		27.3	444	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	MANGANESE (TOTAL)	123		0.089	1.33	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	NICKEL (TOTAL)	9.4		0.4	3.55	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	POTASSIUM (TOTAL)	1280		46.3	444	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	SODIUM (TOTAL)	287	J	44.6	444	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	VANADIUM (TOTAL)	12.8		0.34	4.44	mg/Kg
SS15030-B	102KA-B-02	10/31/2003	SW6010B	ZINC (TOTAL)	18		0.17	1.78	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	ALUMINUM (TOTAL)	6950		2.7	17.8	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	ARSENIC (TOTAL)	7.5		0.31	0.89	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	BARIUM (TOTAL)	35.2		1	17.8	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.027	0.44	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	CALCIUM (TOTAL)	1550		28.8	444	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15030-B	102KA-B-03	10/31/2003	SW6010B	CHROMIUM (TOTAL)	14.4		0.12	0.89	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	COBALT (TOTAL)	3.5	J	0.28	4.44	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	COPPER (TOTAL)	9.3		0.18	2.22	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	IRON (TOTAL)	8400		2.7	8.88	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	LEAD (TOTAL)	5.2		0.25	0.27	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	2700		27.3	444	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	MANGANESE (TOTAL)	158		0.089	1.33	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	NICKEL (TOTAL)	12.4		0.4	3.55	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	POTASSIUM (TOTAL)	1670		46.3	444	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	SODIUM (TOTAL)	353	J	44.6	444	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	VANADIUM (TOTAL)	15		0.34	4.44	mg/Kg
SS15030-B	102KA-B-03	10/31/2003	SW6010B	ZINC (TOTAL)	21.3		0.17	1.78	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	ALUMINUM (TOTAL)	1680		3.3	21.7	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	ARSENIC (TOTAL)	2.1		0.38	1.08	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	BARIUM (TOTAL)	5.2	J	1.3	21.7	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.17	J	0.033	0.54	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	BORON (TOTAL)	1.6	J	0.69	10.8	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	CALCIUM (TOTAL)	601		35.2	542	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	CHROMIUM (TOTAL)	3.4		0.14	1.08	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	COBALT (TOTAL)	1.1	J	0.34	5.42	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	COPPER (TOTAL)	5.6		0.22	2.71	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	IRON (TOTAL)	3860		3.3	10.8	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	LEAD (TOTAL)	5.1		0.3	0.33	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	371	J	33.3	542	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	MANGANESE (TOTAL)	45.2		0.11	1.63	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	NICKEL (TOTAL)	4	J	0.49	4.34	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	POTASSIUM (TOTAL)	212	J	56.6	542	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	SODIUM (TOTAL)	81.9	J	54.4	542	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	VANADIUM (TOTAL)	9.3		0.41	5.42	mg/Kg
SS15030-C	102KA-C-01	10/31/2003	SW6010B	ZINC (TOTAL)	12.4		0.21	2.17	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	ALUMINUM (TOTAL)	1630		2.9	19	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	ARSENIC (TOTAL)	1.5		0.33	0.95	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	BARIUM (TOTAL)	4.1	J	1.1	19	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	BORON (TOTAL)	1.3	J	0.61	9.51	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	CALCIUM (TOTAL)	339	J	30.9	476	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	CHROMIUM (TOTAL)	3.1		0.12	0.95	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	COBALT (TOTAL)	0.81	J	0.29	4.76	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	COPPER (TOTAL)	4.8		0.19	2.38	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	IRON (TOTAL)	3400		2.9	9.51	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	LEAD (TOTAL)	4.5		0.27	0.29	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	360	J	29.2	476	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	MANGANESE (TOTAL)	34.1		0.095	1.43	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	NICKEL (TOTAL)	2.7	J	0.43	3.81	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	POTASSIUM (TOTAL)	187	J	49.6	476	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	SODIUM (TOTAL)	51.5	J	47.7	476	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	VANADIUM (TOTAL)	8.8		0.36	4.76	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW6010B	ZINC (TOTAL)	11.3		0.18	1.9	mg/Kg
SS15030-C	102KA-C-01FD	10/31/2003	SW8270C	N-NITROSODIPHENYLAMINE	33	J	29.6	360	ug/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	ALUMINUM (TOTAL)	8860		2.7	17.6	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	ARSENIC (TOTAL)	3.8		0.31	0.88	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	BARIUM (TOTAL)	17.2	J	1	17.6	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.026	0.44	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	BORON (TOTAL)	2.4	J	0.56	8.78	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	CALCIUM (TOTAL)	445		28.5	439	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	CHROMIUM (TOTAL)	11.6		0.11	0.88	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	COBALT (TOTAL)	2.8	J	0.27	4.39	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	COPPER (TOTAL)	11.9		0.18	2.19	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	IRON (TOTAL)	9880		2.6	8.78	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	LEAD (TOTAL)	8.5		0.25	0.26	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	1470		27	439	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	MANGANESE (TOTAL)	86.9		0.088	1.32	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	NICKEL (TOTAL)	7		0.39	3.51	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	POTASSIUM (TOTAL)	610		45.8	439	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	SELENIUM (TOTAL)	0.27	J	0.26	0.44	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	SODIUM (TOTAL)	245	J	44	439	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	VANADIUM (TOTAL)	16.7		0.33	4.39	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW6010B	ZINC (TOTAL)	19.1		0.17	1.76	mg/Kg
SS15030-C	102KA-C-02	10/31/2003	SW7471	MERCURY (TOTAL)	0.019	J	0.018	0.037	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	ALUMINUM (TOTAL)	13700		3.3	21.6	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	ARSENIC (TOTAL)	5.3		0.38	1.08	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	BARIUM (TOTAL)	18.6	J	1.3	21.6	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.032	0.54	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	BORON (TOTAL)	2.9	J	0.69	10.8	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	CALCIUM (TOTAL)	510	J	35	539	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	CHROMIUM (TOTAL)	16.2		0.14	1.08	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	COBALT (TOTAL)	3.6	J	0.33	5.39	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	COPPER (TOTAL)	6.1		0.22	2.7	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	IRON (TOTAL)	14200		3.2	10.8	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	LEAD (TOTAL)	8.2		0.3	0.32	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	2080		33.1	539	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15030-C	102KA-C-03	10/31/2003	SW6010B	MANGANESE (TOTAL)	98.7		0.11	1.62	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	NICKEL (TOTAL)	8.9		0.49	4.32	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	POTASSIUM (TOTAL)	719		56.3	539	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	SELENIUM (TOTAL)	0.37	J	0.32	0.54	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	SODIUM (TOTAL)	357	J	54.2	539	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	VANADIUM (TOTAL)	21.9		0.41	5.39	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW6010B	ZINC (TOTAL)	22.4		0.2	2.16	mg/Kg
SS15030-C	102KA-C-03	10/31/2003	SW7471	MERCURY (TOTAL)	0.031	J	0.019	0.037	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	ALUMINUM (TOTAL)	7790		2.3	20.5	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	ANTIMONY (TOTAL)	0.71	J	0.53	6.14	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	ARSENIC (TOTAL)	1.9	J	0.42	1.02	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	BARIUM (TOTAL)	27.8		1.2	20.5	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.27	J	0.041	0.51	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	CADMIUM (TOTAL)	0.48	J	0.051	0.51	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	CALCIUM (TOTAL)	1210		29.3	511	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	CHROMIUM (TOTAL)	65.5	J	0.11	1.02	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	COBALT (TOTAL)	5.7		0.3	5.11	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	COPPER (TOTAL)	19.5	J	0.23	2.56	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	IRON (TOTAL)	17600		2.8	10.2	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	LEAD (TOTAL)	16.3		0.14	0.31	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	5370		30.8	511	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	MANGANESE (TOTAL)	220		0.12	1.53	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	22.7		0.11	1.02	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	NICKEL (TOTAL)	70.4	J	0.25	4.09	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	POTASSIUM (TOTAL)	1300	J	32.5	511	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	SELENIUM (TOTAL)	0.58	J	0.31	0.51	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.57	J	0.38	1.02	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	VANADIUM (TOTAL)	19.4		0.3	5.11	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW6010B	ZINC (TOTAL)	57.7	J	0.24	2.05	mg/Kg
SS15032-A	102NAC-01	10/21/2003	SW8270C	PENTACHLOROPHENOL	140	J	45.1	910	ug/Kg
SS15032-A	102NAC-01	10/21/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	580		12.4	120	ug/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	ALUMINUM (TOTAL)	12300		2.2	20.1	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	ARSENIC (TOTAL)	4.8		0.41	1.01	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	BARIUM (TOTAL)	18.2	J	1.2	20.1	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.04	0.5	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	BORON (TOTAL)	2.9	J	0.63	10.1	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	CALCIUM (TOTAL)	324	J	28.8	503	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	CHROMIUM (TOTAL)	15.6	J	0.11	1.01	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	COBALT (TOTAL)	4.9	J	0.29	5.03	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	COPPER (TOTAL)	7.7	J	0.22	2.51	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15032-A	102NAC-02	10/21/2003	SW6010B	IRON (TOTAL)	14500		2.8	10.1	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	LEAD (TOTAL)	8.9		0.14	0.3	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	1980		30.2	503	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	MANGANESE (TOTAL)	99.6		0.12	1.51	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.15	J	0.11	1.01	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	NICKEL (TOTAL)	7.3	J	0.24	4.02	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	POTASSIUM (TOTAL)	780	J	32	503	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.91	J	0.37	1.01	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	VANADIUM (TOTAL)	23.5		0.29	5.03	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW6010B	ZINC (TOTAL)	19.5	J	0.23	2.01	mg/Kg
SS15032-A	102NAC-02	10/21/2003	SW8270C	DI-N-BUTYL PHTHALATE	260	J	28	370	ug/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	ALUMINUM (TOTAL)	20300		2.4	21.8	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	ANTIMONY (TOTAL)	0.87	J	0.57	6.54	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	ARSENIC (TOTAL)	7.2		0.45	1.09	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	BARIUM (TOTAL)	34.6		1.3	21.8	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.63		0.044	0.54	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	CADMIUM (TOTAL)	0.6		0.054	0.54	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	CALCIUM (TOTAL)	720		31.2	545	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	CHROMIUM (TOTAL)	30.1		0.12	1.09	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	COBALT (TOTAL)	7.4		0.32	5.45	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	COPPER (TOTAL)	34.4		0.24	2.72	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	IRON (TOTAL)	21100		3	10.9	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	LEAD (TOTAL)	17.7		0.15	0.33	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	3490		32.8	545	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	MANGANESE (TOTAL)	170	J	0.13	1.63	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.89	J	0.12	1.09	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	NICKEL (TOTAL)	16.5		0.26	4.36	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	POTASSIUM (TOTAL)	1260		34.7	545	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	SELENIUM (TOTAL)	0.9		0.33	0.54	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.5	J	0.4	1.09	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	VANADIUM (TOTAL)	39		0.32	5.45	mg/Kg
SS15033-A	102NAD-01	10/21/2003	SW6010B	ZINC (TOTAL)	36.2		0.25	2.18	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	ALUMINUM (TOTAL)	12400		2.1	18.8	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	ANTIMONY (TOTAL)	0.79	J	0.49	5.64	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	ARSENIC (TOTAL)	4.6		0.39	0.94	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	BARIUM (TOTAL)	18.7	J	1.1	18.8	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.038	0.47	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	CADMIUM (TOTAL)	0.33	J	0.047	0.47	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	CALCIUM (TOTAL)	359	J	26.9	470	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	CHROMIUM (TOTAL)	16.1		0.1	0.94	mg/Kg

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ug/Kg = microgram per Kilogram
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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15033-A	102NAD-02	10/21/2003	SW6010B	COBALT (TOTAL)	4.3	J	0.27	4.7	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	COPPER (TOTAL)	23.1		0.21	2.35	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	IRON (TOTAL)	13700		2.6	9.4	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	LEAD (TOTAL)	29.9		0.13	0.28	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	1740		28.3	470	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	MANGANESE (TOTAL)	91.3	J	0.11	1.41	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.45	J	0.1	0.94	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	NICKEL (TOTAL)	15.8		0.23	3.76	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	POTASSIUM (TOTAL)	730		29.9	470	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	SELENIUM (TOTAL)	0.63		0.34	0.47	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.42	J	0.35	0.94	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	VANADIUM (TOTAL)	26.1		0.27	4.7	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW6010B	ZINC (TOTAL)	24.7		0.22	1.88	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW7471	MERCURY (TOTAL)	0.024	J	0.018	0.035	mg/Kg
SS15033-A	102NAD-02	10/21/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	310	J	9.41	120	ug/Kg
SS15033-A	102NAD-02	10/21/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	26000	J	39.5	360	ug/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	ALUMINUM (TOTAL)	11300		2.3	20.7	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	ANTIMONY (TOTAL)	0.74	J	0.54	6.2	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	ARSENIC (TOTAL)	4.7		0.42	1.03	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	BARIUM (TOTAL)	17.8	J	1.2	20.7	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.041	0.52	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	CADMIUM (TOTAL)	0.13	J	0.052	0.52	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	CALCIUM (TOTAL)	371	J	29.6	517	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	CHROMIUM (TOTAL)	14.6		0.11	1.03	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	COBALT (TOTAL)	4.6	J	0.3	5.17	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	COPPER (TOTAL)	11.8		0.23	2.38	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	IRON (TOTAL)	13000		2.9	10.3	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	LEAD (TOTAL)	13		0.14	0.31	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	1690		31.1	517	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	MANGANESE (TOTAL)	110	J	0.12	1.55	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.44	J	0.11	1.03	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	NICKEL (TOTAL)	11.1		0.25	4.14	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	POTASSIUM (TOTAL)	714		32.9	517	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	SELENIUM (TOTAL)	0.49	J	0.31	0.52	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	VANADIUM (TOTAL)	23		0.3	5.17	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW6010B	ZINC (TOTAL)	20.2		0.24	2.07	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW7471	MERCURY (TOTAL)	0.032	J	0.017	0.034	mg/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW8270C	DI-N-BUTYL PHTHALATE	110	J	29.6	380	ug/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1300	J	9.43	120	ug/Kg
SS15033-A	102NAD-02FD	10/21/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	7200	J	13.2	120	ug/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15034-A	102NAE-01	10/21/2003	SW6010B	ALUMINUM (TOTAL)	8600		2.3	20.8	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	ARSENIC (TOTAL)	2.2	J	0.43	1.04	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	BARIUM (TOTAL)	31.6		1.2	20.8	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.042	0.52	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	BORON (TOTAL)	2.7	J	0.65	10.4	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	CADMIUM (TOTAL)	1.5		0.052	0.52	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	CALCIUM (TOTAL)	842		29.8	520	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	CHROMIUM (TOTAL)	59.1	J	0.11	1.04	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	COBALT (TOTAL)	5.8		0.3	5.2	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	COPPER (TOTAL)	88.6	J	0.23	2.6	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	IRON (TOTAL)	11100		2.9	10.4	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	LEAD (TOTAL)	14		0.15	0.31	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	8060		31.3	520	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	MANGANESE (TOTAL)	110		0.12	1.56	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	2.5		0.11	1.04	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	NICKEL (TOTAL)	57.5	J	0.25	4.16	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	POTASSIUM (TOTAL)	2230	J	33	520	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.5	J	0.38	1.04	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	VANADIUM (TOTAL)	13.7		0.3	5.2	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW6010B	ZINC (TOTAL)	90.3	J	0.24	2.08	mg/Kg
SS15034-A	102NAE-01	10/21/2003	SW8270C	DI-N-BUTYL PHTHALATE	570		29.2	380	ug/Kg
SS15034-A	102NAE-01	10/21/2003	SW8270C	NITROGLYCERIN	100	TI	0	0	ug/Kg
SS15034-A	102NAE-01	10/21/2003	SW8270C	N-NITROSODIPHENYLAMINE	110	J	31.3	380	ug/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	ALUMINUM (TOTAL)	12900		2.2	19.7	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	ARSENIC (TOTAL)	3.8		0.4	0.99	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	BARIUM (TOTAL)	23.1		1.1	19.7	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.04	0.49	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	BORON (TOTAL)	2.6	J	0.62	9.87	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	CADMIUM (TOTAL)	0.38	J	0.049	0.49	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	CALCIUM (TOTAL)	1310		28.3	493	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	CHROMIUM (TOTAL)	15.3	J	0.11	0.99	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	COBALT (TOTAL)	3.2	J	0.29	4.93	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	COPPER (TOTAL)	11.1	J	0.22	2.47	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	IRON (TOTAL)	13900		2.7	9.87	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	LEAD (TOTAL)	10.6		0.14	0.3	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	1560		29.7	493	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	MANGANESE (TOTAL)	66.8		0.12	1.48	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.56	J	0.11	0.99	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	NICKEL (TOTAL)	5.9	J	0.24	3.94	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	POTASSIUM (TOTAL)	767	J	31.4	493	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15034-A	102NAE-02	10/21/2003	SW6010B	SELENIUM (TOTAL)	0.47	J	0.36	0.49	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.52	J	0.36	0.99	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	VANADIUM (TOTAL)	22		0.29	4.93	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW6010B	ZINC (TOTAL)	399	J	0.23	1.97	mg/Kg
SS15034-A	102NAE-02	10/21/2003	SW8270C	P,P'-DDT	200	TI	0	0	ug/Kg
SS15034-A	102NAE-02	10/21/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	5300		13.2	120	ug/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	E314.0	PERCHLORATE	2.5	J	1.7	4.6	ug/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	ALUMINUM	17300		2.1	2.1	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	ARSENIC	6		0.27	0.27	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	BARIUM	22.4		0.82	0.82	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	BERYLLIUM	0.66		0.022	0.022	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	BORON	3.7		0.52	0.52	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	CALCIUM	200		25.1	25.1	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	CHROMIUM, TOTAL	21.6		0.067	0.067	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	COBALT	6.7		0.2	0.2	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	COPPER	163		0.16	0.16	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	IRON	18000		1.9	1.9	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	LEAD	37.7		0.17	0.17	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	MAGNESIUM	2770		20.4	20.4	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	MANGANESE	110		0.079	0.079	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	MOLYBDENUM	0.61		0.18	0.18	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	NICKEL	11.5		0.22	0.22	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	POTASSIUM	915		28.1	28.1	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	SELENIUM	1.5		0.19	0.19	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	SODIUM	514		24.6	24.6	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	VANADIUM	28.1		0.25	0.25	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW6010B	ZINC	25.2		0.64	0.64	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW7471	MERCURY	0.058		0.018	0.018	mg/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	160	J	104	370	ug/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW8330	2,4,6-TRINITROTOLUENE	81		1.7	13	ug/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW8330	2,4-DINITROTOLUENE	29		1.7	13	ug/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW8330	2-AMINO-4,6-DINITROTOLUENE	48		3.42	13	ug/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW8330	4-AMINO-2,6-DINITROTOLUENE	44		2.82	13	ug/Kg
SS15094-A	ECC091203J302 (post_a)	9/17/2003	SW9010	CYANIDE	2.1		0.56	0.56	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	ALUMINUM	19100		2	2	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	ARSENIC	6.6		0.26	0.26	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	BARIUM	28.3		0.78	0.78	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	BERYLLIUM	0.78		0.021	0.021	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	BORON	5.1		0.49	0.49	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	CALCIUM	247		24	24	mg/Kg

J = Estimates
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	CHROMIUM, TOTAL	24.2		0.065	0.065	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	COBALT	7.7		0.19	0.19	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	COPPER	70.7		0.15	0.15	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	IRON	20400		1.8	1.8	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	LEAD	26.1		0.16	0.16	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	MAGNESIUM	3230		19.5	19.5	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	MANGANESE	132		0.075	0.075	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	MOLYBDENUM	0.63		0.17	0.17	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	NICKEL	12.9		0.21	0.21	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	POTASSIUM	1100		26.9	26.9	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	SELENIUM	1.3		0.18	0.18	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	SODIUM	515		23.5	23.5	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	VANADIUM	31.7		0.24	0.24	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW6010B	ZINC	28.7		0.61	0.61	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW7471	MERCURY	0.053		0.017	0.017	mg/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW8270C	2,4,6-TRINITROTOLUENE	82	UJ	1	1	ug/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW8330	2,4,6-TRINITROTOLUENE	130		1.81	13	ug/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW8330	2,4-DINITROTOLUENE	26		1.81	13	ug/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW8330	2-AMINO-4,6-DINITROTOLUENE	54		3.63	13	ug/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW8330	4-AMINO-2,6-DINITROTOLUENE	40		3	13	ug/Kg
SS15094-A	ECC091203J302 (post_b)	9/17/2003	SW9010	CYANIDE	3		0.58	0.58	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	ALUMINUM (TOTAL)	15800		1.8	1.8	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	ANTIMONY (TOTAL)	0.5	J	0.38	0.38	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	ARSENIC (TOTAL)	4.7		0.24	0.24	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	BARIUM (TOTAL)	19.8	J	0.73	0.73	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.56		0.02	0.02	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	BORON (TOTAL)	4.4	J	0.46	0.46	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	CALCIUM (TOTAL)	234	J	22.3	22.3	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	CHROMIUM (TOTAL)	19.7		0.06	0.06	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	COBALT (TOTAL)	5.6		0.18	0.18	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	COPPER (TOTAL)	5.3		0.14	0.14	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	IRON (TOTAL)	15200		1.7	1.7	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	LEAD (TOTAL)	8.5		0.15	0.15	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	MAGNESIUM (TOTAL)	2340		18.2	18.2	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	MANGANESE (TOTAL)	94.7		0.07	0.07	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	MOLYBDENUM (TOTAL)	0.6	J	0.16	0.16	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	NICKEL (TOTAL)	9.9		0.2	0.2	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	POTASSIUM (TOTAL)	791		25	25	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	SELENIUM (TOTAL)	0.79		0.17	0.17	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	SODIUM (TOTAL)	438	J	21.9	21.9	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	VANADIUM (TOTAL)	26.1		0.22	0.22	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW6010B	ZINC (TOTAL)	22.4		0.57	0.57	mg/Kg
SS15094-A	ECC091203J302 (pre)	9/17/2003	SW7471	MERCURY (TOTAL)	0.03	J	0.017	0.017	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	E314.0	PERCHLORATE	25		1.6	4.2	ug/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	ALUMINUM (TOTAL)	6350		1.8	1.8	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	ANTIMONY (TOTAL)	0.81	J	0.38	0.38	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	ARSENIC (TOTAL)	2.9		0.24	0.24	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	BARIUM (TOTAL)	27.6		0.72	0.72	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.02	0.02	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	BORON (TOTAL)	1.3	J	0.46	0.46	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	CALCIUM (TOTAL)	355	J	22.2	22.2	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	CHROMIUM (TOTAL)	9.7		0.059	0.059	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	COBALT (TOTAL)	3.3	J	0.18	0.18	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	COPPER (TOTAL)	178		0.14	0.14	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	IRON (TOTAL)	9160		1.7	1.7	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	LEAD (TOTAL)	41.2		0.15	0.15	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	MAGNESIUM (TOTAL)	1280		18	18	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	MANGANESE (TOTAL)	83.2		0.07	0.07	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	MOLYBDENUM (TOTAL)	2.3		0.16	0.16	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	NICKEL (TOTAL)	6.6		0.2	0.2	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	POTASSIUM (TOTAL)	635		24.8	24.8	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	SELENIUM (TOTAL)	0.69		0.17	0.17	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	SODIUM (TOTAL)	238	J	21.7	21.7	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	VANADIUM (TOTAL)	12.7		0.22	0.22	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW6010B	ZINC (TOTAL)	18.6		0.57	0.57	mg/Kg
SS15095-A	ECC091503J301 (post)	9/17/2003	SW7471	MERCURY (TOTAL)	0.022	J	0.017	0.017	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	E314.0	PERCHLORATE	8.6		1.7	4.4	ug/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	ALUMINUM (TOTAL)	9630		1.7	1.7	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	ANTIMONY (TOTAL)	0.53	J	0.34	0.34	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	ARSENIC (TOTAL)	4.1		0.22	0.22	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	BARIUM (TOTAL)	17.1	J	0.66	0.66	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.51		0.018	0.018	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	BORON (TOTAL)	4.2	J	0.42	0.42	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	CALCIUM (TOTAL)	311	J	20.2	20.2	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	CHROMIUM (TOTAL)	14.4		0.054	0.054	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	COBALT (TOTAL)	4.7		0.16	0.16	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	COPPER (TOTAL)	16.6		0.13	0.13	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	IRON (TOTAL)	11700		1.5	1.5	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	LEAD (TOTAL)	8.9		0.14	0.14	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	MAGNESIUM (TOTAL)	1930		16.5	16.5	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	MANGANESE (TOTAL)	90.4		0.063	0.063	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	MOLYBDENUM (TOTAL)	0.76	J	0.14	0.14	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	NICKEL (TOTAL)	9		0.18	0.18	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	POTASSIUM (TOTAL)	843		22.7	22.7	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	SELENIUM (TOTAL)	0.5		0.15	0.15	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	SODIUM (TOTAL)	368	J	19.8	19.8	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	VANADIUM (TOTAL)	18.8		0.2	0.2	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW6010B	ZINC (TOTAL)	19.7		0.52	0.52	mg/Kg
SS15095-A	ECC091503J301 (pre)	9/17/2003	SW7471	MERCURY (TOTAL)	0.033	J	0.017	0.017	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	ALUMINUM	4620		3.3	20.2747	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	ARSENIC	2.7		0.28	1.0137	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	BARIUM	14.9	J	0.54	20.2747	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	BERYLLIUM	0.27	J	0.03	0.5069	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	BORON	2.6	J	0.23	10.1374	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	CADMIUM	0.19	J	0.071	0.5069	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	CALCIUM	584		17.8	506.8681	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	CHROMIUM, TOTAL	7.2		0.15	1.0137	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	COBALT	2.6	J	0.23	5.0687	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	COPPER	28.7		0.3	2.5343	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	IRON	7780		3.6	10.1374	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	LEAD	8.6		0.16	0.3041	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	MAGNESIUM	861		15.4	506.8681	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	MANGANESE	74.5		0.11	1.5206	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	MOLYBDENUM	0.54	J	0.24	1.0137	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	NICKEL	6.1		0.24	4.0549	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	POTASSIUM	432	J	39.6	506.8681	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	VANADIUM	14.5		0.22	5.0687	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW6010B	ZINC	17.7		0.41	2.0275	mg/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW8270C	2,4,6-TRINITROTOLUENE	100	TI	0	0	ug/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW8270C	CHRYSENE	29	J	28.7	370	ug/Kg
SS15206-A	ECC031004J301 (post)	3/18/2004	SW8330	2,4,6-TRINITROTOLUENE	60000		150	1300	ug/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	ALUMINUM	5400		3	18.4689	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	ARSENIC	2.5		0.26	0.9234	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	BARIUM	14.8	J	0.49	18.4689	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	BERYLLIUM	0.25	J	0.028	0.4617	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	BORON	2	J	0.21	9.2345	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	CADMIUM	0.13	J	0.065	0.4617	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	CALCIUM	565		16.2	461.7232	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	CHROMIUM, TOTAL	7.1		0.14	0.9234	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	COBALT	2.4	J	0.21	4.6172	mg/Kg

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Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	COPPER	45.5		0.28	2.3086	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	IRON	6950		3.3	9.2345	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	LEAD	6.8		0.15	0.277	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	MAGNESIUM	854		14.1	461.7232	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	MANGANESE	73.2		0.1	1.3852	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	MOLYBDENUM	0.61	J	0.22	0.9234	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	NICKEL	4.8		0.22	3.6938	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	POTASSIUM	432	J	36.1	461.7232	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	SELENIUM	0.52		0.35	0.4617	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	VANADIUM	12.7		0.2	4.6172	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW6010B	ZINC	13.6		0.37	1.8469	mg/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW8330	2,4,6-TRINITROTOLUENE	52		1.5	13	ug/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	40		3.02	13	ug/Kg
SS15206-A	ECC031004J301 (pre)	3/17/2004	SW8330	4-AMINO-2,6-DINITROTOLUENE	36		2.49	13	ug/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	ALUMINUM	6480		2.5	2.5	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	ANTIMONY	0.63		0.49	0.49	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	ARSENIC	2.3		0.5	0.5	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	BARIUM	8.3		0.62	0.62	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	BERYLLIUM	0.15		0.021	0.021	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	BORON	1.9		0.5	0.5	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	CADMIUM	0.28		0.063	0.063	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	CALCIUM	186		19.1	19.1	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	CHROMIUM, TOTAL	6.2		0.15	0.15	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	COBALT	0.83		0.21	0.21	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	COPPER	75.6		0.25	0.25	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	IRON	8540		3.5	3.5	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	LEAD	34.6		0.14	0.14	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	MAGNESIUM	308		18.7	18.7	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	MANGANESE	25.5		0.073	0.073	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	MOLYBDENUM	0.64		0.18	0.18	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	NICKEL	2.6		0.22	0.22	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	POTASSIUM	263		41.1	41.1	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	SELENIUM	0.92		0.36	0.36	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	VANADIUM	19.2		0.21	0.21	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW6010B	ZINC	19.6		0.1	0.1	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW7470A	MERCURY	0.027		0.018	0.018	mg/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW8330	PICRIC ACID	70		4.76	13	ug/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW8330	TETRYL	22000		41.5	330	ug/Kg
SS338-A	ECC082603J301 (pre)	8/29/2003	SW9010	CYANIDE	0.6		0.5	0.5	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	ALUMINUM	7420		2.4	2.4	mg/Kg

J = Estimates
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	ALUMINUM	6210		2.6	2.6	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	ARSENIC	2.3		0.49	0.49	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	ARSENIC	1.8		0.53	0.53	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	BARIUM	7.4		0.6	0.6	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	BARIUM	13.5		0.65	0.65	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	BERYLLIUM	0.17		0.02	0.02	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	CADMIUM	3.2		0.061	0.061	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	CADMIUM	3.5		0.066	0.066	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	CALCIUM	202		20.1	20.1	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	CALCIUM	114		18.4	18.4	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	CHROMIUM, TOTAL	5.4		0.15	0.15	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	CHROMIUM, TOTAL	6.5		0.14	0.14	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	COBALT	0.63		0.22	0.22	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	COBALT	0.73		0.2	0.2	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	COPPER	2040		2.6	2.6	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	COPPER	7440		2.4	2.4	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	IRON	8060		3.7	3.7	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	IRON	9390		3.4	3.4	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	LEAD	458		0.13	0.13	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	LEAD	489		0.14	0.14	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	MAGNESIUM	228		19.7	19.7	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	MAGNESIUM	254		18.1	18.1	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	MANGANESE	35.3		0.071	0.071	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	MANGANESE	23.1		0.077	0.077	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	MOLYBDENUM	0.68		0.17	0.17	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	MOLYBDENUM	0.33		0.19	0.19	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	NICKEL	4.2		0.21	0.21	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	NICKEL	2.5		0.23	0.23	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	POTASSIUM	448		43.4	43.4	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	POTASSIUM	334		39.8	39.8	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	SELENIUM	3.3		0.38	0.38	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	SELENIUM	2.6		0.34	0.34	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	SILVER	0.28		0.22	0.22	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	VANADIUM	14.4		0.22	0.22	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	VANADIUM	14.7		0.2	0.2	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	ZINC	85.5		0.11	0.11	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW6010B	ZINC	3280		1	1	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW7470A	MERCURY	0.027		0.017	0.017	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW7470A	MERCURY	0.026		0.017	0.017	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8270C	2,4,6-TRINITROTOLUENE	13000	TI	1	1	ug/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS338-A	ECC082603J301(post)	8/29/2003	SW8270C	2,4-DINITROTOLUENE	320	J	62.4	370	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8270C	2,6-DINITROTOLUENE	89	J	45.5	370	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8270C	2-AMINO-4,6-DINITROTOLUENE	260	TI	1	1	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8270C	2-METHYLNAPHTHALENE	44	J	33.2	380	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8270C	2-METHYLPHENOL (O-CRESOL)	47	J	42.2	380	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8270C	DI-N-BUTYL PHTHALATE	900		29.1	380	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8270C	NAPHTHALENE	47	J	29.8	370	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8270C	NAPHTHALENE	73	J	34.3	380	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8270C	PHENANTHRENE	38	J	30.2	380	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8330	1,3,5-TRINITROBENZENE	120		4.77	13	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8330	1,3,5-TRINITROBENZENE	170		4.77	13	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8330	2,6-DINITROTOLUENE	65		0.68	13	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8330	4-AMINO-2,6-DINITROTOLUENE	6100	J	2.49	13	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	62		1.41	13	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8330	PICRIC ACID	950		4.76	13	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8330	PICRIC ACID	1900	J	4.76	13	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8330	TETRYL	480000		1660	13000	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW8330	TETRYL	320000		664	5300	ug/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW9010	CYANIDE	1.5		0.54	0.54	mg/Kg
SS338-A	ECC082603J301(post)	8/29/2003	SW9010	CYANIDE	1.5		0.49	0.49	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	ALUMINUM (TOTAL)	37700		3.7	22.5185	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	ANTIMONY (TOTAL)	3.5	J	0.38	6.7555	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	ARSENIC (TOTAL)	4.3		0.34	1.1259	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	BARIUM (TOTAL)	17.2	J	0.56	22.5185	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	BERYLLIUM (TOTAL)	0.45	J	0.034	0.563	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	BORON (TOTAL)	5.1	J	0.34	11.2592	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	CADMIUM (TOTAL)	0.57		0.068	0.563	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	CALCIUM (TOTAL)	195	J	15.4	562.9616	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	CHROMIUM (TOTAL)	30.4		0.12	1.1259	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	COBALT (TOTAL)	4	J	0.19	5.6296	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	COPPER (TOTAL)	734		0.29	2.8148	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	IRON (TOTAL)	13300		5.4	11.2592	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	LEAD (TOTAL)	85.3		0.17	0.3378	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	MAGNESIUM (TOTAL)	1610		15.8	562.9616	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	MANGANESE (TOTAL)	191		0.056	1.6889	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	MOLYBDENUM (TOTAL)	0.61	J	0.16	1.1259	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	NICKEL (TOTAL)	12.9		0.18	4.5037	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	POTASSIUM (TOTAL)	633		22.1	562.9616	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	SELENIUM (TOTAL)	0.74	J	0.36	0.563	mg/Kg
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	VANADIUM (TOTAL)	22.6		0.18	5.6296	mg/Kg

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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ340MMPIT	GPR fuseloc (ex soil)	8/25/2004	SW6010B	ZINC (TOTAL)	308		0.2	2.2518	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	E314.0	PERCHLORATE	5.6		1.5	4.6	ug/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	ALUMINUM	10900		3.1	19.1784	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	ARSENIC	4.1		0.29	0.9589	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	BARIUM	14	J	0.48	19.1784	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	BERYLLIUM	0.3	J	0.029	0.4795	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	BORON	1.1	J	0.29	9.5892	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	CADMIUM	0.58		0.058	0.4795	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	CALCIUM	596		13.1	479.4599	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	CHROMIUM, TOTAL	12.6		0.11	0.9589	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	COBALT	3	J	0.16	4.7946	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	COPPER	614		0.25	2.3973	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	IRON	13200		4.6	9.5892	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	LEAD	166		0.14	0.2877	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	MAGNESIUM	969		13.5	479.4599	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	MANGANESE	56.9		0.048	1.4384	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	NICKEL	6.7		0.15	3.8357	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	POTASSIUM	399	J	18.8	479.4599	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	SELENIUM	2.1		0.31	0.4795	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	VANADIUM	19.7		0.15	4.7946	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW6010B	ZINC	28.9		0.17	1.9178	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW7470A	MERCURY	0.023	J	0.018	0.066	mg/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW8270C	ACENAPHTHYLENE	33	J	22.7	370	ug/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW8270C	BENZOIC ACID	200	J	137	920	ug/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW8270C	NAPHTHALENE	79	J	33.1	370	ug/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW8270C	PHENANTHRENE	45	J	29.3	370	ug/Kg
SSJ3C7003	ECC080504J301 (post)	8/12/2004	SW9012A	CYANIDE	2.8		0.56	0.56	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	E314.0	PERCHLORATE	7		1.4	4.4	ug/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	ALUMINUM	10100		3.2	19.4915	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	ANTIMONY	0.63	J	0.33	5.8474	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	ARSENIC	3.9		0.29	0.9746	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	BARIUM	15.3	J	0.49	19.4915	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	BERYLLIUM	0.28	J	0.029	0.4873	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	BORON	2	J	0.29	9.7457	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	CADMIUM	0.52		0.059	0.4873	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	CALCIUM	669		13.3	487.2867	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	CHROMIUM, TOTAL	11		0.11	0.9746	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	COBALT	2.5	J	0.17	4.8729	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	COPPER	12.6		0.25	2.4364	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	IRON	11400		4.7	9.7457	mg/Kg

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	LEAD	9.3		0.15	0.2924	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	MAGNESIUM	813		13.7	487.2867	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	MANGANESE	50.5		0.049	1.4619	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	MOLYBDENUM	0.76	J	0.14	0.9746	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	NICKEL	5.2		0.16	3.8983	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	POTASSIUM	397	J	19.2	487.2867	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	SELENIUM	0.79	J	0.31	0.4873	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	VANADIUM	17.9		0.16	4.8729	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW6010B	ZINC	15.1		0.18	1.9491	mg/Kg
SSJ3C7003	ECC080504J301 (pre)	8/11/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	51		1.41	13	ug/Kg
SSJ3D6004	J3NDD6001_D	3/9/2006	E331.0	PERCHLORATE	0.64	J	0.24	0.95	ug/Kg
SSJ3D6004	J3NDD6001_D	3/9/2006	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	920		20	120	ug/Kg
SSJ3D6004	J3NDD6001_D	3/9/2006	SW8330	NITROGLYCERIN	3200		980	2500	ug/Kg
SSJ3D6004	J3NDD6001_D	3/9/2006	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	350		18	120	ug/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	E331.0	PERCHLORATE	0.45	J	0.24	0.96	ug/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW6010B	ARSENIC	4.3		0.69	0.9084	mg/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW6010B	BARIUM	28.6		0.55	18.1673	mg/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW6010B	CADMIUM	0.7		0.054	0.4542	mg/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW6010B	CHROMIUM, TOTAL	16.5		0.14	0.9084	mg/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW6010B	LEAD	70.6		0.25	0.9084	mg/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW6010B	SELENIUM	2.2	J	0.44	3.1793	mg/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW6010B	SILVER	5.3		0.19	0.9084	mg/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW7471A	MERCURY	0.02	J	0.019	0.0464	mg/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	140	J	120	400	ug/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW8270C	PYRENE	160	J	143	400	ug/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	270		18	120	ug/Kg
SSJ3D6BLP001	J3D6_BLP_001 (stp)	3/15/2006	SW9045	pH	5.8		0.1	0.1	PH UNITS
SSJ3DM007	J3DM007_J3RRA	8/24/2004	E314.0	PERCHLORATE	4.4		1.3	4.1	ug/Kg
SSJ3DM007	J3DM007_J3RRA-FD	8/24/2004	E314.0	PERCHLORATE	3.3	J	1.4	4.2	ug/Kg
SSJ3DM007	J3DM007-02	9/15/2004	E314.0	PERCHLORATE	8		1.4	4.3	ug/Kg
SSJ3DM007	J3DM007-03	10/17/2004	E314.0	PERCHLORATE	2	J	1.6	5.1	ug/Kg
SSJ3DM007	J3DM007-04	11/9/2004	E314.0	PERCHLORATE	4.1	J	1.6	4.9	ug/Kg
SSJ3DM007	J3DM007-04	11/23/2004	E314.0	PERCHLORATE	2.8	J	1.4	4.4	ug/Kg
SSJ3DM008	J3DM008-02	9/15/2004	E314.0	PERCHLORATE	4.7		1.5	4.6	ug/Kg
SSJ3DM008	J3DM008-03	10/17/2004	E314.0	PERCHLORATE	4.4	J	1.6	4.8	ug/Kg
SSJ3DM008	SSJ3DM008_J3RRA	8/17/2004	E314.0	PERCHLORATE	13		1.5	4.5	ug/Kg
SSJ3DM012	SSJ3DM012_J3RRA	8/17/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	280		11.3	120	ug/Kg
SSJ3NDA02	J3NDA02_C	1/30/2006	SW8330	2,4,6-TRINITROTOLUENE	670		10	120	UG/KG
SS15206-A	SS15206A_PE8	8/22/2006	SW8330	4-AMINO-2,6-DINITROTOLUENE	2000		10	120	UG/KG
SS15206-A	SS15206A_PE8	8/22/2006	SW8330	2,4,6-TRINITROTOLUENE	2100		10	120	UG/KG

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ug/Kg = microgram per Kilogram
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TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15206-A	SS15206A_PE8	8/22/2006	SW8330	2-AMINO-4,6-DINITROTOLUENE	2500		13	120	UG/KG
SS15206-A	SS15206A_PE9	8/22/2006	SW8330	2-AMINO-4,6-DINITROTOLUENE	160		13	120	UG/KG
SS15206-A	SS15206-A-PE2	5/23/2006	SW8330	4-AMINO-2,6-DINITROTOLUENE	350		10	120	UG/KG
SS15206-A	SS15206-A-PE2	5/23/2006	SW8330	2-AMINO-4,6-DINITROTOLUENE	440		13	120	UG/KG
SS15206-A	SS15206-A-PE3	5/23/2006	SW8330	4-AMINO-2,6-DINITROTOLUENE	230		10	120	UG/KG
SS15206-A	SS15206-A-PE3	5/23/2006	SW8330	2-AMINO-4,6-DINITROTOLUENE	300		13	120	UG/KG
SS15206-A	SS15206A-PE4	6/23/2006	SW8330	2,4,6-TRINITROTOLUENE	770		10	120	UG/KG
SS15206-A	SS15206A-PE4	6/23/2006	SW8330	4-AMINO-2,6-DINITROTOLUENE	2500		10	120	UG/KG
SS15206-A	SS15206A-PE4	6/23/2006	SW8330	2-AMINO-4,6-DINITROTOLUENE	3500		13	120	UG/KG
SS15206-A	SS15206A-PE5	6/23/2006	SW8330	4-AMINO-2,6-DINITROTOLUENE	250		10	120	UG/KG
SS15206-A	SS15206A-PE5	6/23/2006	SW8330	2-AMINO-4,6-DINITROTOLUENE	330		13	120	UG/KG
SS15206-A	SS15206A-PE6	6/23/2006	SW8330	4-AMINO-2,6-DINITROTOLUENE	200		10	120	UG/KG
SS15206-A	SS15206A-PE6	6/23/2006	SW8330	2-AMINO-4,6-DINITROTOLUENE	270		13	120	UG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	BARIUM	10.5	J	0.11	16.6718	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	IRON	6940		0.53	16.6718	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	SODIUM	24.1	J	0.78	416.7939	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	ZINC	19.8		0.0083	1.6672	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	SILVER	0.3	J	0.025	0.8336	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	ALUMINUM	4300		0.75	16.6718	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	MANGANESE	74.8		0.0083	1.2504	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	VANADIUM	9.7		0.033	4.1679	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	BORON	1.9	J	0.066	8.3359	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	COPPER	2120		2.1	104.1985	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	MAGNESIUM	867		1.1	416.7939	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	CALCIUM	578		2.1	416.7939	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	BERYLLIUM	0.12	J	0.0083	0.4168	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	LEAD	518		3.3	41.6794	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	NICKEL	3.9		0.033	3.3344	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	COBALT	1.9	J	0.017	4.1679	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	MOLYBDENUM	0.25	J	0.017	0.8336	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	SELENIUM	4.4		0.058	2.9176	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	POTASSIUM	443		3.4	416.7939	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	CADMIUM	0.82		0.0083	0.4168	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	CHROMIUM, TOTAL	6		0.0083	0.8336	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW6010B	ARSENIC	2.2		0.058	0.8336	MG/KG
SSJ3E002	ECC110807J3FLD01 (POST)	11/14/2007	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	82	J	20.9	360	UG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	SODIUM	21.5	J	0.78	415.9665	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	BARIUM	10.7	J	0.11	16.6387	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	IRON	7720		0.53	16.6387	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	ZINC	21.9		0.0082	1.6639	MG/KG

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-8
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	COPPER	4.2		0.041	2.0798	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	MANGANESE	74.8		0.0082	1.2479	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	VANADIUM	12.3		0.033	4.1597	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	ALUMINUM	6230		0.75	16.6387	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	BORON	1.7	J	0.066	8.3193	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	MAGNESIUM	1050		1.1	415.9665	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	CALCIUM	226	J	2.1	415.9665	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	BERYLLIUM	0.14	J	0.0082	0.416	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	NICKEL	4.5		0.033	3.3277	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	LEAD	5.5		0.066	0.8319	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	COBALT	2.4	J	0.017	4.1597	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	MOLYBDENUM	0.42	J	0.017	0.8319	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	POTASSIUM	493		3.4	415.9665	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	CADMIUM	0.41	J	0.0082	0.416	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	CHROMIUM, TOTAL	8.4		0.0082	0.8319	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW6010B	ARSENIC	2.8		0.058	0.8319	MG/KG
SSJ3E002	ECC110807J3FLD01 (PRE)	11/14/2007	SW7471A	MERCURY	0.016	J	0.016	0.039	MG/KG

J = Estimates
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-19	AL467	11/2/2000	CL200.7	ALUMINUM (TOTAL)	8100		2.5	4.81	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	ANTIMONY (TOTAL)	1.8		0.406	0.406	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	BARIUM (TOTAL)	83.3		0.508	0.508	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	BERYLLIUM (TOTAL)	0.06	J	0.03	0.0339	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	CADMIUM (TOTAL)	1.7		0.0508	0.0508	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	CALCIUM (TOTAL)	2480		23.9	23.9	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	CHROMIUM (TOTAL)	42.8	J	0.119	0.119	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	COBALT (TOTAL)	8.8		0.152	0.152	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	COPPER (TOTAL)	173		0.254	0.254	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	IRON (TOTAL)	12900		3.96	3.96	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	LEAD (TOTAL)	6.5		0.271	0.271	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	MAGNESIUM (TOTAL)	6340		21.5	21.5	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	MANGANESE (TOTAL)	183		0.08	0.119	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	MOLYBDENUM (TOTAL)	1.5		0.22	0.22	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	NICKEL (TOTAL)	21.1		0.22	0.22	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	POTASSIUM (TOTAL)	3090		32.6	32.6	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	TITANIUM	692		0.0847	0.0847	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	VANADIUM (TOTAL)	27		0.203	0.203	mg/Kg
BH-19	AL467	11/2/2000	CL200.7	ZINC (TOTAL)	27.6		0.136	0.136	mg/Kg
BH-19	AL467	11/2/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	8	ug/Kg
BH-19	AL467	11/2/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
BH-19	AL467	11/2/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	135	J	0.01	0.01	mg/Kg
BH-19	AL467	11/2/2000	LYDKHN	TOTAL ORGANIC CARBON	2640		0	0	mg/Kg
BH-19	AL467	11/2/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	130	J	123	350	ug/Kg
BH-19	AL467	11/2/2000	SW8270	DI-N-BUTYL PHTHALATE	38	J	38	350	ug/Kg
BH-19	AL468	11/2/2000	CL200.7	ALUMINUM (TOTAL)	8880		2.5	5.62	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	ANTIMONY (TOTAL)	0.49	J	0.475	0.475	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	ARSENIC (TOTAL)	5.6		0.495	0.495	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	BARIUM (TOTAL)	19.6		0.594	0.594	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	BERYLLIUM (TOTAL)	0.35		0.03	0.0396	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	CADMIUM (TOTAL)	0.88		0.0594	0.0594	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	CALCIUM (TOTAL)	778		27.9	27.9	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	CHROMIUM (TOTAL)	15.3	J	0.139	0.139	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	COBALT (TOTAL)	5.6		0.178	0.178	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	COPPER (TOTAL)	15.1		0.297	0.297	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	IRON (TOTAL)	14700		4.21	4.63	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	LEAD (TOTAL)	7.4		0.317	0.317	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	MAGNESIUM (TOTAL)	2140		25.1	25.1	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	MANGANESE (TOTAL)	120		0.08	0.139	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	MOLYBDENUM (TOTAL)	0.8		0.257	0.257	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	NICKEL (TOTAL)	9		0.257	0.257	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	POTASSIUM (TOTAL)	870		38.1	38.1	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	TITANIUM	410		0.099	0.099	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-19	AL468	11/2/2000	CL200.7	VANADIUM (TOTAL)	18.8		0.238	0.238	mg/Kg
BH-19	AL468	11/2/2000	CL200.7	ZINC (TOTAL)	18.8		0.158	0.158	mg/Kg
BH-19	AL468	11/2/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	139	J	0.01	0.01	mg/Kg
BH-19	AL468	11/2/2000	LYDKHN	TOTAL ORGANIC CARBON	2530		0	0	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	ALUMINUM (TOTAL)	1310		2.5	5.57	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	ARSENIC (TOTAL)	1.9		0.491	0.491	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	BARIUM (TOTAL)	6.7		0.589	0.589	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	BERYLLIUM (TOTAL)	0.13		0.03	0.0392	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	CADMIUM (TOTAL)	0.06	J	0.0589	0.0589	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	CALCIUM (TOTAL)	134		27.6	27.6	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	CHROMIUM (TOTAL)	4.6	J	0.137	0.137	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	COBALT (TOTAL)	1.5		0.177	0.177	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	COPPER (TOTAL)	4		0.294	0.294	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	IRON (TOTAL)	5310		4.21	4.59	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	LEAD (TOTAL)	3		0.314	0.314	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	MAGNESIUM (TOTAL)	471		24.9	24.9	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	MANGANESE (TOTAL)	71.6		0.08	0.137	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	MOLYBDENUM (TOTAL)	0.67		0.255	0.255	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	NICKEL (TOTAL)	2.7		0.255	0.255	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	POTASSIUM (TOTAL)	306		37.8	37.8	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	TITANIUM	81.2		0.0981	0.0981	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	VANADIUM (TOTAL)	6.3		0.236	0.236	mg/Kg
BH-19	AL469	11/2/2000	CL200.7	ZINC (TOTAL)	9.6		0.157	0.157	mg/Kg
BH-19	AL469	11/2/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	8	ug/Kg
BH-19	AL469	11/2/2000	CVOL	TOLUENE	0.7	J	0.32	8	ug/Kg
BH-19	AL469	11/2/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.3	J	0.02	0.02	mg/Kg
BH-19	AL469	11/2/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg
BH-19	AL469	11/2/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73.6	J	0.01	0.01	mg/Kg
BH-19	AL469	11/2/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	55	J	55	340	ug/Kg
BH-19	AL470	11/2/2000	CL200.7	ALUMINUM (TOTAL)	1340		2.5	5.5	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	ARSENIC (TOTAL)	1.3		0.484	0.484	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	BARIUM (TOTAL)	6.3		0.581	0.581	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	BERYLLIUM (TOTAL)	0.15		0.03	0.0387	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	CADMIUM (TOTAL)	0.06	J	0.0581	0.0581	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	CALCIUM (TOTAL)	119		27.3	27.3	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	CHROMIUM (TOTAL)	4.6	J	0.136	0.136	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	COBALT (TOTAL)	1.3		0.174	0.174	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	COPPER (TOTAL)	2.7		0.29	0.29	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	IRON (TOTAL)	4420		4.21	4.53	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	LEAD (TOTAL)	2.9		0.31	0.31	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	MAGNESIUM (TOTAL)	471		24.5	24.5	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	MANGANESE (TOTAL)	71.4		0.08	0.136	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	MOLYBDENUM (TOTAL)	0.49	J	0.252	0.252	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-19	AL470	11/2/2000	CL200.7	NICKEL (TOTAL)	2.3		0.252	0.252	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	POTASSIUM (TOTAL)	292		37.2	37.2	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	TITANIUM	69		0.0968	0.0968	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	VANADIUM (TOTAL)	6.5		0.232	0.232	mg/Kg
BH-19	AL470	11/2/2000	CL200.7	ZINC (TOTAL)	9		0.155	0.155	mg/Kg
BH-19	AL470	11/2/2000	CVOL	CARBON DISULFIDE	0.8	J	0.43	8	ug/Kg
BH-19	AL470	11/2/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	8	ug/Kg
BH-19	AL470	11/2/2000	CVOL	TOLUENE	0.8	J	0.32	8	ug/Kg
BH-19	AL470	11/2/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.01	0.01	mg/Kg
BH-19	AL470	11/2/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.8	J	0.01	0.01	mg/Kg
BH-19	AL470	11/2/2000	LYDKHN	TOTAL ORGANIC CARBON	860		0	0	mg/Kg
BH-19	AL470	11/2/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	47	J	47	340	ug/Kg
BH-19	AL471	11/2/2000	CL200.7	ALUMINUM (TOTAL)	1510		2.5	5.11	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	ARSENIC (TOTAL)	1.3		0.449	0.449	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	BARIUM (TOTAL)	7.9		0.539	0.539	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	BERYLLIUM (TOTAL)	0.12		0.03	0.036	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	CADMIUM (TOTAL)	0.06	J	0.0539	0.0539	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	CALCIUM (TOTAL)	150		25.3	25.3	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	CHROMIUM (TOTAL)	4.5	J	0.126	0.126	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	COBALT (TOTAL)	1.7		0.162	0.162	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	COPPER (TOTAL)	3.4		0.27	0.27	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	IRON (TOTAL)	3420		4.21	4.21	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	LEAD (TOTAL)	3.3		0.288	0.288	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	MAGNESIUM (TOTAL)	564		22.8	22.8	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	MANGANESE (TOTAL)	82.8		0.08	0.126	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	MOLYBDENUM (TOTAL)	0.8		0.234	0.234	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	NICKEL (TOTAL)	2.4		0.234	0.234	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	POTASSIUM (TOTAL)	322		34.6	34.6	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	TITANIUM	87.2		0.0899	0.0899	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	VANADIUM (TOTAL)	4.4		0.216	0.216	mg/Kg
BH-19	AL471	11/2/2000	CL200.7	ZINC (TOTAL)	7.2		0.144	0.144	mg/Kg
BH-19	AL471	11/2/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
BH-19	AL471	11/2/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	102	J	0.01	0.01	mg/Kg
BH-19	AL471	11/2/2000	LYDKHN	TOTAL ORGANIC CARBON	1290		0	0	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	ALUMINUM (TOTAL)	1320		2.5	4.58	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	ARSENIC (TOTAL)	1		0.403	0.403	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	BARIUM (TOTAL)	6.1		0.484	0.484	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	BERYLLIUM (TOTAL)	0.12		0.03	0.0323	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	CALCIUM (TOTAL)	117		22.7	22.7	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	CHROMIUM (TOTAL)	3.7	J	0.113	0.113	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	COBALT (TOTAL)	1.5		0.145	0.145	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	COPPER (TOTAL)	2.8		0.242	0.242	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	IRON (TOTAL)	3620		3.78	3.78	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-19	AL472	11/2/2000	CL200.7	LEAD (TOTAL)	2.6		0.258	0.258	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	MAGNESIUM (TOTAL)	450		20.5	20.5	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	MANGANESE (TOTAL)	56.2		0.08	0.113	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	MOLYBDENUM (TOTAL)	0.6		0.21	0.21	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	NICKEL (TOTAL)	1.8		0.21	0.21	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	POTASSIUM (TOTAL)	278		31	31	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	TITANIUM	71.7		0.0807	0.0807	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	VANADIUM (TOTAL)	5.3		0.194	0.194	mg/Kg
BH-19	AL472	11/2/2000	CL200.7	ZINC (TOTAL)	7.6		0.129	0.129	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	ALUMINUM (TOTAL)	3830		2.5	4.83	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	ANTIMONY (TOTAL)	0.83	J	0.408	0.408	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	ARSENIC (TOTAL)	1.8		0.425	0.425	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	BARIUM (TOTAL)	17.3		0.51	0.51	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	BERYLLIUM (TOTAL)	0.15		0.03	0.034	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	CADMIUM (TOTAL)	2.1		0.051	0.051	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	CALCIUM (TOTAL)	1700		24	24	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	CHROMIUM (TOTAL)	8.6	J	0.119	0.119	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	COBALT (TOTAL)	2.9		0.153	0.153	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	COPPER (TOTAL)	25.4		0.255	0.255	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	IRON (TOTAL)	6020		3.98	3.98	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	LEAD (TOTAL)	7.9		0.272	0.272	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	MAGNESIUM (TOTAL)	1200		21.6	21.6	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	MANGANESE (TOTAL)	96		0.08	0.119	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	MOLYBDENUM (TOTAL)	0.5		0.221	0.221	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	NICKEL (TOTAL)	7.5		0.221	0.221	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	POTASSIUM (TOTAL)	643		32.7	32.7	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	TITANIUM	186		0.085	0.085	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	VANADIUM (TOTAL)	9.5		0.204	0.204	mg/Kg
BH-20	AL474	11/3/2000	CL200.7	ZINC (TOTAL)	14.4		0.136	0.136	mg/Kg
BH-20	AL474	11/3/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	7	ug/Kg
BH-20	AL474	11/3/2000	CVOL	TOLUENE	0.7	J	0.32	7	ug/Kg
BH-20	AL474	11/3/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	0.02	0.02	mg/Kg
BH-20	AL474	11/3/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	188	J	0.01	0.01	mg/Kg
BH-20	AL474	11/3/2000	SW8151A	PENTACHLOROPHENOL	28	J	7.6	18	ug/Kg
BH-20	AL474	11/3/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	57	J	57	360	ug/Kg
BH-20	AL475	11/3/2000	CL200.7	ALUMINUM (TOTAL)	7660		2.5	6.51	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	ANTIMONY (TOTAL)	0.57	J	0.5	0.55	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	ARSENIC (TOTAL)	3.8		0.573	0.573	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	BARIUM (TOTAL)	11.6		0.688	0.688	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	BERYLLIUM (TOTAL)	0.24		0.03	0.0458	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	CADMIUM (TOTAL)	0.27		0.0688	0.0688	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	CALCIUM (TOTAL)	484		29	32.3	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	CHROMIUM (TOTAL)	10.3	J	0.14	0.16	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-20	AL475	11/3/2000	CL200.7	COBALT (TOTAL)	3.6		0.206	0.206	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	COPPER (TOTAL)	6.8		0.34	0.344	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	IRON (TOTAL)	8920		4.21	5.36	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	LEAD (TOTAL)	5.9		0.32	0.367	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	MAGNESIUM (TOTAL)	1280		28.1	29.1	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	MANGANESE (TOTAL)	65.1		0.08	0.16	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	MOLYBDENUM (TOTAL)	0.76		0.298	0.298	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	NICKEL (TOTAL)	5.5		0.298	0.298	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	POTASSIUM (TOTAL)	565		44.1	44.1	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	TITANIUM	334		0.115	0.115	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	VANADIUM (TOTAL)	14.5		0.275	0.275	mg/Kg
BH-20	AL475	11/3/2000	CL200.7	ZINC (TOTAL)	13.8		0.183	0.183	mg/Kg
BH-20	AL475	11/3/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.9	J	0.02	0.02	mg/Kg
BH-20	AL475	11/3/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	77.7	J	0.01	0.01	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	ALUMINUM (TOTAL)	2710		2.5	5.76	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	ARSENIC (TOTAL)	2.8		0.507	0.507	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	BARIUM (TOTAL)	6.6		0.609	0.609	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.03	0.0406	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	CADMIUM (TOTAL)	0.18		0.0609	0.0609	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	CALCIUM (TOTAL)	177		28.6	28.6	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	CHROMIUM (TOTAL)	5.2	J	0.14	0.142	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	COBALT (TOTAL)	2.2		0.183	0.183	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	COPPER (TOTAL)	4.9		0.304	0.304	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	IRON (TOTAL)	4700		4.21	4.75	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	LEAD (TOTAL)	2.8		0.32	0.325	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	MAGNESIUM (TOTAL)	763		25.7	25.7	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	MANGANESE (TOTAL)	78.4		0.08	0.142	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	MOLYBDENUM (TOTAL)	0.47	J	0.264	0.264	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	NICKEL (TOTAL)	3.6		0.264	0.264	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	POTASSIUM (TOTAL)	298		39	39	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	TITANIUM	95.9		0.101	0.101	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	VANADIUM (TOTAL)	6		0.243	0.243	mg/Kg
BH-20	AL476	11/3/2000	CL200.7	ZINC (TOTAL)	10.7		0.162	0.162	mg/Kg
BH-20	AL476	11/3/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	10	ug/Kg
BH-20	AL476	11/3/2000	CVOL	TOLUENE	1	J	0.32	10	ug/Kg
BH-20	AL476	11/3/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.4	J	0.02	0.02	mg/Kg
BH-20	AL476	11/3/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	83.5	J	0.01	0.01	mg/Kg
BH-20	AL476	11/3/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	57	J	57	350	ug/Kg
BH-20	AL477	11/3/2000	CL200.7	ALUMINUM (TOTAL)	2860		2.5	5.34	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	ARSENIC (TOTAL)	1.1		0.47	0.47	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	BARIUM (TOTAL)	9		0.564	0.564	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.03	0.0376	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	BORON (TOTAL)	0.8		0.339	0.339	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-20	AL477	11/3/2000	CL200.7	CADMIUM (TOTAL)	0.19		0.0564	0.0564	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	CALCIUM (TOTAL)	240		26.5	26.5	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	CHROMIUM (TOTAL)	4.8	J	0.132	0.132	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	COBALT (TOTAL)	2.6		0.169	0.169	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	COPPER (TOTAL)	5.2		0.282	0.282	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	IRON (TOTAL)	5330		4.21	4.4	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	LEAD (TOTAL)	3.7		0.301	0.301	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	MAGNESIUM (TOTAL)	766		23.8	23.8	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	MANGANESE (TOTAL)	133		0.08	0.132	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	MOLYBDENUM (TOTAL)	0.64		0.244	0.244	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	NICKEL (TOTAL)	3.2		0.244	0.244	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	POTASSIUM (TOTAL)	405		36.2	36.2	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	TITANIUM	138		0.094	0.094	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	VANADIUM (TOTAL)	6.8		0.226	0.226	mg/Kg
BH-20	AL477	11/3/2000	CL200.7	ZINC (TOTAL)	13.7		0.15	0.15	mg/Kg
BH-20	AL477	11/3/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.3	J	0.02	0.02	mg/Kg
BH-20	AL477	11/3/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103	J	0.01	0.01	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	ALUMINUM (TOTAL)	2820		2.5	5.22	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	ANTIMONY (TOTAL)	0.63	J	0.441	0.441	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	ARSENIC (TOTAL)	1.3		0.459	0.459	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	BARIUM (TOTAL)	10.6		0.551	0.551	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	BERYLLIUM (TOTAL)	0.19		0.03	0.0367	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	CADMIUM (TOTAL)	0.14		0.0551	0.0551	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	CALCIUM (TOTAL)	249		25.9	25.9	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	CHROMIUM (TOTAL)	5.1	J	0.129	0.129	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	COBALT (TOTAL)	2.6		0.165	0.165	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	COPPER (TOTAL)	5.1		0.276	0.276	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	IRON (TOTAL)	5500		4.21	4.3	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	LEAD (TOTAL)	3.9		0.294	0.294	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	MAGNESIUM (TOTAL)	877		23.3	23.3	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	MANGANESE (TOTAL)	130		0.08	0.129	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	MOLYBDENUM (TOTAL)	0.6		0.239	0.239	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	NICKEL (TOTAL)	4.1		0.239	0.239	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	POTASSIUM (TOTAL)	512		35.3	35.3	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	TITANIUM	155		0.0918	0.0918	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	VANADIUM (TOTAL)	6.8		0.22	0.22	mg/Kg
BH-20	AL478	11/3/2000	CL200.7	ZINC (TOTAL)	13.2		0.147	0.147	mg/Kg
BH-20	AL478	11/3/2000	E350.2	NITROGEN, AMMONIA (AS N)	4	J	0.02	0.02	mg/Kg
BH-20	AL478	11/3/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	127	J	0.01	0.01	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	ALUMINUM (TOTAL)	1270		1.9	17.3	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	ARSENIC (TOTAL)	1.4		0.3	0.87	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	BARIUM (TOTAL)	4	J	1	17.3	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.17	J	0.026	0.43	mg/Kg

J = Estimated
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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH51-A	102LC-03	11/6/2003	SW6010B	BORON (TOTAL)	1.1	J	0.55	8.66	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	CALCIUM (TOTAL)	78.7	J	28.1	433	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	CHROMIUM (TOTAL)	2.4		0.11	0.87	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	COBALT (TOTAL)	0.84	J	0.27	4.33	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	COPPER (TOTAL)	2.2		0.17	2.16	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	IRON (TOTAL)	3430		2.4	8.66	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	LEAD (TOTAL)	2.4		0.12	0.26	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	MAGNESIUM (TOTAL)	349	J	26	433	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	MANGANESE (TOTAL)	55.4		0.1	1.3	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	NICKEL (TOTAL)	1.5	J	0.24	3.46	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	POTASSIUM (TOTAL)	166	J	45.2	433	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	VANADIUM (TOTAL)	5.2		0.33	4.33	mg/Kg
BH51-A	102LC-03	11/6/2003	SW6010B	ZINC (TOTAL)	7.3		0.2	1.73	mg/Kg
ECCBPJ301	J3C6-BP-005 (post)	5/20/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	340		0	120	ug/Kg
SS102G1	AH848	6/22/2000	CL200.7	ALUMINUM (TOTAL)	2890		2.5	4.2	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	ANTIMONY (TOTAL)	12.1		0.5	1.18	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	ARSENIC (TOTAL)	47.5		0.644	0.644	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	BARIUM (TOTAL)	35.3		1.18	2.75	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	BERYLLIUM (TOTAL)	0.37		0.03	0.0772	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	BORON (TOTAL)	103		0.63	0.824	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	CALCIUM (TOTAL)	585		29	76.8	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	CHROMIUM (TOTAL)	76	J	0.14	0.566	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	COBALT (TOTAL)	32.6		0.26	0.772	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	COPPER (TOTAL)	260		0.34	0.541	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	IRON (TOTAL)	254000		4.21	6.41	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	LEAD (TOTAL)	60.8	J	0.32	0.592	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	MAGNESIUM (TOTAL)	451		28.1	69.5	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	MANGANESE (TOTAL)	911	J	0.08	0.257	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	MOLYBDENUM (TOTAL)	21.5		0.386	0.386	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	NICKEL (TOTAL)	226		0.3	0.747	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	POTASSIUM (TOTAL)	280		47.2	78	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	THALLIUM (TOTAL)	15.3		0.64	1	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	VANADIUM (TOTAL)	23.8		0.36	0.747	mg/Kg
SS102G1	AH848	6/22/2000	CL200.7	ZINC (TOTAL)	36.2		0.29	0.386	mg/Kg
SS102G1	AH848	6/22/2000	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	29	J	29	440	ug/Kg
SS102G1	AH848	6/22/2000	CSVOL	FLUORANTHENE	21	J	21	440	ug/Kg
SS102G2	AH849	6/22/2000	CL200.7	ALUMINUM (TOTAL)	8710		2.5	3.29	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	ARSENIC (TOTAL)	3.5	J	0.504	0.504	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	BARIUM (TOTAL)	41.3		1.18	2.16	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.03	0.0605	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	BORON (TOTAL)	4.6		0.63	0.646	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	CALCIUM (TOTAL)	159	J	29	83.6	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	CHROMIUM (TOTAL)	9.1	J	0.14	0.444	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102G2	AH849	6/22/2000	CL200.7	COBALT (TOTAL)	1.8		0.26	0.605	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	COPPER (TOTAL)	13.6		0.34	0.424	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	IRON (TOTAL)	12400		4.21	5.02	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	LEAD (TOTAL)	31.4	J	0.32	0.464	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	MAGNESIUM (TOTAL)	415	J	28.1	44.1	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	MANGANESE (TOTAL)	29.8	J	0.08	0.202	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	MOLYBDENUM (TOTAL)	1	J	0.303	0.303	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	NICKEL (TOTAL)	4.1		0.3	0.585	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	POTASSIUM (TOTAL)	316		47.2	61.1	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	VANADIUM (TOTAL)	23.8		0.36	0.585	mg/Kg
SS102G2	AH849	6/22/2000	CL200.7	ZINC (TOTAL)	16.1		0.29	0.303	mg/Kg
SS102G2	AH849	6/22/2000	CSVOL	2,4-DINITROTOLUENE	400		21.6	340	ug/Kg
SS102G2	AH849	6/22/2000	CSVOL	2,6-DINITROTOLUENE	32	J	26.7	340	ug/Kg
SS102G2	AH849	6/22/2000	CSVOL	CHRYSENE	18	J	18	340	ug/Kg
SS102G2	AH849	6/22/2000	CSVOL	FLUORANTHENE	26	J	26	340	ug/Kg
SS102G2	AH849	6/22/2000	CSVOL	N-NITROSODIPHENYLAMINE	100	J	24.4	340	ug/Kg
SS102G2	AH849	6/22/2000	CSVOL	PHENANTHRENE	20	J	20	340	ug/Kg
SS102G2	AH849	6/22/2000	CSVOL	PYRENE	19	J	19	340	ug/Kg
SS102GA	AP550	4/17/2001	SW8270	2,4-DINITROTOLUENE	81	J	28.8	380	ug/Kg
SS102GA	AP550	4/17/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	380	ug/Kg
SS102GA	AP550	4/17/2001	SW8270	DI-N-BUTYL PHTHALATE	160	J	70.8	380	ug/Kg
SS102GA	AP972	5/1/2001	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	1.9	J	0.301	2	ug/Kg
SS102GA	AP972	5/1/2001	CPEST	GAMMA-CHLORDANE	1.3	J	0.297	2	ug/Kg
SS102GA	AP972	5/1/2001	CPEST	P,P'-DDT	9.3		1.63	4	ug/Kg
SS102GA	AP972	5/1/2001	CPEST	PCB-1260 (AROCHLOR 1260)	65		3.02	40	ug/Kg
SS102GA	AP972	5/1/2001	CVOL	ACETONE	370	J	4.04	13	ug/Kg
SS102GA	AP972	5/1/2001	CVOL	BROMOFORM	1	J	1	13	ug/Kg
SS102GA	AP972	5/1/2001	CVOL	BROMOMETHANE	2	J	1.66	13	ug/Kg
SS102GA	AP972	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	4.56	13	ug/Kg
SS102GA	AP972	5/1/2001	CVOL	TOLUENE	1	J	1	13	ug/Kg
SS102GA	AP972	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	36	J	1.5	2.87	mg/Kg
SS102GA	AP972	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.0043	0.01	mg/Kg
SS102GA	AP972	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114		1	2.4	mg/Kg
SS102GA	AP972	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	8340		0	0	mg/Kg
SS102GA	AP973	5/1/2001	CVOL	ACETONE	140	J	4.04	11	ug/Kg
SS102GA	AP973	5/1/2001	CVOL	BROMOFORM	1	J	1	11	ug/Kg
SS102GA	AP973	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	11	ug/Kg
SS102GA	AP973	5/1/2001	CVOL	TOLUENE	1	J	1	11	ug/Kg
SS102GA	AP973	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	16.8	J	1.5	2.62	mg/Kg
SS102GA	AP973	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.0043	0.01	mg/Kg
SS102GA	AP973	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	106		1	2.11	mg/Kg
SS102GA	AP973	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	5530		0	0	mg/Kg
SS102GA	AP974	5/1/2001	CVOL	ACETONE	430	J	4.04	10	ug/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102GA	AP974	5/1/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102GA	AP974	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	4.56	10	ug/Kg
SS102GA	AP974	5/1/2001	CVOL	TOLUENE	4	J	1.17	10	ug/Kg
SS102GA	AP974	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	14.7	J	1.5	2.21	mg/Kg
SS102GA	AP974	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.0043	0.01	mg/Kg
SS102GA	AP974	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97.1		1	2.09	mg/Kg
SS102GA	AP974	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	10500		0	0	mg/Kg
SS102GA	AP975	5/1/2001	CVOL	ACETONE	230	J	4.04	11	ug/Kg
SS102GA	AP975	5/1/2001	CVOL	BROMOFORM	1	J	1	11	ug/Kg
SS102GA	AP975	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	11	ug/Kg
SS102GA	AP975	5/1/2001	CVOL	TOLUENE	2	J	1.17	11	ug/Kg
SS102GA	AP975	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	17.7	J	1.5	2.74	mg/Kg
SS102GA	AP975	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.0043	0.01	mg/Kg
SS102GA	AP975	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	111		1	2.22	mg/Kg
SS102GA	AP975	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	3940		0	0	mg/Kg
SS102GA	AP976	5/1/2001	CVOL	ACETONE	390	J	4.04	12	ug/Kg
SS102GA	AP976	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	4.56	12	ug/Kg
SS102GA	AP976	5/1/2001	CVOL	TOLUENE	2	J	1.17	12	ug/Kg
SS102GA	AP976	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	16.7	J	1.5	2.51	mg/Kg
SS102GA	AP976	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.0043	0.01	mg/Kg
SS102GA	AP976	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	107		1	2.12	mg/Kg
SS102GA	AP976	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	6610		0	0	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	ALUMINUM (TOTAL)	8520		6.13	6.13	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	ARSENIC (TOTAL)	3.2		1.07	1.07	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	BARIUM (TOTAL)	12.3		0.0293	0.0293	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	BORON (TOTAL)	3.5		0.209	0.209	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	CALCIUM (TOTAL)	161		3.93	3.93	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	CHROMIUM (TOTAL)	11.3	J	0.251	0.251	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	COBALT (TOTAL)	2.1		0.377	0.377	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	COPPER (TOTAL)	4.5	J	0.251	0.251	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	IRON (TOTAL)	10400		3.93	3.93	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	LEAD (TOTAL)	8.6	J	0.46	0.46	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1310		4	4	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	MANGANESE (TOTAL)	67.2	J	0.109	0.109	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	NICKEL (TOTAL)	6	J	0.377	0.377	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	POTASSIUM (TOTAL)	538		20.4	20.4	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	VANADIUM (TOTAL)	20.3		0.23	0.23	mg/Kg
SS102GA	AP977	5/1/2001	CL200.7	ZINC (TOTAL)	14.4	J	0.119	0.119	mg/Kg
SS102GA	AP977	5/1/2001	SW8270	BENZOIC ACID	280	J	210	1000	ug/Kg
SS102GA	AP978	5/1/2001	CL200.7	ALUMINUM (TOTAL)	7590		5.24	5.24	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	ARSENIC (TOTAL)	3.3		0.912	0.912	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	BARIUM (TOTAL)	10.4		0.025	0.025	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	BORON (TOTAL)	1.9		0.179	0.179	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102GA	AP978	5/1/2001	CL200.7	CALCIUM (TOTAL)	74		3.36	3.36	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	CHROMIUM (TOTAL)	9.8	J	0.215	0.215	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	COBALT (TOTAL)	2.4		0.322	0.322	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	COPPER (TOTAL)	3.7	J	0.215	0.215	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	IRON (TOTAL)	9250		3.36	3.36	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	LEAD (TOTAL)	6.4	J	0.393	0.393	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1120		3.41	3.41	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	MANGANESE (TOTAL)	68.9	J	0.093	0.093	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	NICKEL (TOTAL)	4.8	J	0.322	0.322	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	POTASSIUM (TOTAL)	452		17.4	17.4	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	VANADIUM (TOTAL)	15		0.197	0.197	mg/Kg
SS102GA	AP978	5/1/2001	CL200.7	ZINC (TOTAL)	13.4	J	0.102	0.102	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	ALUMINUM (TOTAL)	6620		5.45	5.45	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	ARSENIC (TOTAL)	3.3		0.949	0.949	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	BARIUM (TOTAL)	9.9		0.026	0.026	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	BORON (TOTAL)	2.1		0.186	0.186	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	CALCIUM (TOTAL)	116		3.5	3.5	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	CHROMIUM (TOTAL)	8.4	J	0.223	0.223	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	COBALT (TOTAL)	1.9		0.335	0.335	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	COPPER (TOTAL)	3.6	J	0.223	0.223	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	IRON (TOTAL)	8500		3.5	3.5	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	LEAD (TOTAL)	6.1	J	0.316	0.316	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	982		3.55	3.55	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	MANGANESE (TOTAL)	69.3	J	0.0967	0.0967	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	NICKEL (TOTAL)	4.2	J	0.335	0.335	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	POTASSIUM (TOTAL)	464		18.2	18.2	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	VANADIUM (TOTAL)	15.2		0.205	0.205	mg/Kg
SS102GA	AP979	5/1/2001	CL200.7	ZINC (TOTAL)	12.7	J	0.106	0.106	mg/Kg
SS102GA	AP979	5/1/2001	SW8270	BENZOIC ACID	260	J	180	890	ug/Kg
SS102GA	AP980	5/1/2001	CL200.7	ALUMINUM (TOTAL)	8330		5.76	5.76	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	ARSENIC (TOTAL)	3.3		1	1	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	BARIUM (TOTAL)	12.7		0.0275	0.0275	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	BORON (TOTAL)	1.9		0.197	0.197	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	CALCIUM (TOTAL)	127		3.7	3.7	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	CHROMIUM (TOTAL)	10.6	J	0.236	0.236	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	COBALT (TOTAL)	2.8		0.354	0.354	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	COPPER (TOTAL)	3.6	J	0.236	0.236	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	IRON (TOTAL)	9600		3.7	3.7	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	LEAD (TOTAL)	6.3	J	0.334	0.334	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1340		3.76	3.76	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	MANGANESE (TOTAL)	83.2	J	0.102	0.102	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	NICKEL (TOTAL)	5.2	J	0.354	0.354	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	POTASSIUM (TOTAL)	517		19.2	19.2	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102GA	AP980	5/1/2001	CL200.7	VANADIUM (TOTAL)	17.1		0.216	0.216	mg/Kg
SS102GA	AP980	5/1/2001	CL200.7	ZINC (TOTAL)	14.8	J	0.112	0.112	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	ALUMINUM (TOTAL)	8010		5.23	5.23	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	ARSENIC (TOTAL)	2.7		0.91	0.91	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	BARIUM (TOTAL)	12.2		0.025	0.025	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.28		0.0428	0.0428	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	BORON (TOTAL)	2.2		0.179	0.179	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	CALCIUM (TOTAL)	124		3.36	3.36	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	CHROMIUM (TOTAL)	9.6	J	0.214	0.214	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	COBALT (TOTAL)	1.7		0.321	0.321	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	COPPER (TOTAL)	3	J	0.214	0.214	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	IRON (TOTAL)	9740		3.36	3.36	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	LEAD (TOTAL)	6.3	J	0.303	0.303	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	879		3.41	3.41	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	MANGANESE (TOTAL)	75.1	J	0.0928	0.0928	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.7	J	0.607	0.607	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	NICKEL (TOTAL)	4.2	J	0.321	0.321	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	POTASSIUM (TOTAL)	449		17.4	17.4	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	SELENIUM (TOTAL)	1.3	J	0.821	0.821	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	VANADIUM (TOTAL)	16.7		0.196	0.196	mg/Kg
SS102GA	AP981	5/1/2001	CL200.7	ZINC (TOTAL)	12.6	J	0.102	0.102	mg/Kg
SS102GA	AP982	5/1/2001	CVOL	ACETONE	190	J	4.04	10	ug/Kg
SS102GA	AP982	5/1/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102GA	AP982	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	10	ug/Kg
SS102GA	AP982	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	7	J	1.5	2.73	mg/Kg
SS102GA	AP982	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.0043	0.01	mg/Kg
SS102GA	AP982	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	66.7		1	1.92	mg/Kg
SS102GA	AP982	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	7680		0	0	mg/Kg
SS102GA	AP983	5/1/2001	CVOL	ACETONE	150	J	4.04	10	ug/Kg
SS102GA	AP983	5/1/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102GA	AP983	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	10	ug/Kg
SS102GA	AP983	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.8	J	1.5	2.14	mg/Kg
SS102GA	AP983	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102GA	AP983	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	107		1	2.32	mg/Kg
SS102GA	AP983	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	2780		0	0	mg/Kg
SS102GA	AP984	5/1/2001	CVOL	ACETONE	170	J	4.04	13	ug/Kg
SS102GA	AP984	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	13	ug/Kg
SS102GA	AP984	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.9	J	1.5	2.64	mg/Kg
SS102GA	AP984	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102GA	AP984	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	57.4		1	2.17	mg/Kg
SS102GA	AP984	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	3960		0	0	mg/Kg
SS102GA	AP985	5/1/2001	CVOL	ACETONE	280	J	4.04	10	ug/Kg
SS102GA	AP985	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	4.56	10	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102GA	AP985	5/1/2001	CVOL	TOLUENE	1	J	1	10	ug/Kg
SS102GA	AP985	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	10.1	J	1.5	2.48	mg/Kg
SS102GA	AP985	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102GA	AP985	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	71.9		1	1.88	mg/Kg
SS102GA	AP985	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	8280	J	0	0	mg/Kg
SS102GA	AP986	5/1/2001	CVOL	ACETONE	210	J	4.04	9	ug/Kg
SS102GA	AP986	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	4.56	9	ug/Kg
SS102GA	AP986	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.9	J	1.5	2.72	mg/Kg
SS102GA	AP986	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.06	J	0.0043	0.01	mg/Kg
SS102GA	AP986	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	123		1	2.3	mg/Kg
SS102GA	AP986	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	6810		0	0	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	ALUMINUM (TOTAL)	10900		1.96	1.96	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	ARSENIC (TOTAL)	3.5	J	0.989	0.989	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	BARIUM (TOTAL)	15.2		0.0485	0.0485	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.35		0.0155	0.0155	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	BORON (TOTAL)	3		0.169	0.169	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	CALCIUM (TOTAL)	73.1	J	1.49	1.49	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	CHROMIUM (TOTAL)	13.5		0.233	0.233	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	COBALT (TOTAL)	2.9		0.103	0.103	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	COPPER (TOTAL)	5.5	J	0.147	0.147	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	IRON (TOTAL)	12200		2.46	2.46	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	LEAD (TOTAL)	4.7		1.23	1.23	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1560		1.26	1.26	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	MANGANESE (TOTAL)	81		0.0659	0.0659	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.13	J	0.0465	0.0465	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	NICKEL (TOTAL)	6.8		0.233	0.233	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	POTASSIUM (TOTAL)	654		18.9	18.9	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	SELENIUM (TOTAL)	0.25	J	0.229	0.229	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	SODIUM (TOTAL)	212	J	90	90	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	VANADIUM (TOTAL)	19.6		0.213	0.213	mg/Kg
SS102GA	AP987	5/1/2001	CL200.7	ZINC (TOTAL)	16.6	J	0.0795	0.0795	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	ALUMINUM (TOTAL)	11500		1.98	1.98	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	ARSENIC (TOTAL)	4.8	J	0.998	0.998	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	BARIUM (TOTAL)	14.3		0.0489	0.0489	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.38		0.0157	0.0157	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	BORON (TOTAL)	2.7		0.17	0.17	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	CALCIUM (TOTAL)	68	J	1.51	1.51	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	CHROMIUM (TOTAL)	14.7		0.235	0.235	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	COBALT (TOTAL)	3.5		0.104	0.104	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	COPPER (TOTAL)	4.4	J	0.149	0.149	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	IRON (TOTAL)	13600		2.48	2.48	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	LEAD (TOTAL)	6		1.19	1.19	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1740		1.27	1.27	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102GA	AP988	5/1/2001	CL200.7	MANGANESE (TOTAL)	79.7		0.0665	0.0665	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	1.1	J	0.047	0.047	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	NICKEL (TOTAL)	7.4		0.235	0.235	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	POTASSIUM (TOTAL)	701		19.1	19.1	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	SODIUM (TOTAL)	170	J	90.8	90.8	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	VANADIUM (TOTAL)	20.5		0.215	0.215	mg/Kg
SS102GA	AP988	5/1/2001	CL200.7	ZINC (TOTAL)	16.5	J	0.0802	0.0802	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	ALUMINUM (TOTAL)	9980		2.07	2.07	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	ARSENIC (TOTAL)	5.6	J	1.05	1.05	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	BARIUM (TOTAL)	14.3		0.0513	0.0513	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.38		0.0164	0.0164	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	BORON (TOTAL)	3.9		0.179	0.179	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	CALCIUM (TOTAL)	109	J	1.58	1.58	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	CHROMIUM (TOTAL)	13.2		0.246	0.246	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	COBALT (TOTAL)	3.4		0.109	0.109	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	COPPER (TOTAL)	4.8	J	0.156	0.156	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	IRON (TOTAL)	12900		2.61	2.61	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	LEAD (TOTAL)	4		1.43	1.43	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1570		1.33	1.33	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	MANGANESE (TOTAL)	89.8		0.0698	0.0698	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.35	J	0.0492	0.0492	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	NICKEL (TOTAL)	6.7		0.246	0.246	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	POTASSIUM (TOTAL)	786		20	20	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	SELENIUM (TOTAL)	0.39	J	0.266	0.266	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	SODIUM (TOTAL)	121	J	95.2	95.2	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	VANADIUM (TOTAL)	20.6		0.226	0.226	mg/Kg
SS102GA	AP989	5/1/2001	CL200.7	ZINC (TOTAL)	16.8	J	0.0841	0.0841	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	ALUMINUM (TOTAL)	8350		2.02	2.02	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	ARSENIC (TOTAL)	3.3	J	1.02	1.02	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	BARIUM (TOTAL)	12.1		0.0499	0.0499	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.32		0.016	0.016	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	BORON (TOTAL)	2.8		0.174	0.174	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	CALCIUM (TOTAL)	83.2	J	1.54	1.54	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	CHROMIUM (TOTAL)	10.5		0.24	0.24	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	COBALT (TOTAL)	2.9		0.106	0.106	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	COPPER (TOTAL)	4.6	J	0.152	0.152	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	IRON (TOTAL)	10400		2.54	2.54	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	LEAD (TOTAL)	6.6		1.38	1.38	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1320		1.3	1.3	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	MANGANESE (TOTAL)	75		0.0679	0.0679	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	NICKEL (TOTAL)	5.7		0.24	0.24	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	POTASSIUM (TOTAL)	598		19.5	19.5	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	SODIUM (TOTAL)	128	J	92.6	92.6	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102GA	AP990	5/1/2001	CL200.7	VANADIUM (TOTAL)	17.8		0.22	0.22	mg/Kg
SS102GA	AP990	5/1/2001	CL200.7	ZINC (TOTAL)	14	J	0.0818	0.0818	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	ALUMINUM (TOTAL)	10800		2.1	2.1	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	ARSENIC (TOTAL)	4.4	J	1.06	1.06	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	BARIUM (TOTAL)	12.9		0.0521	0.0521	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.34		0.0167	0.0167	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	BORON (TOTAL)	3.2		0.181	0.181	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	CALCIUM (TOTAL)	90.3	J	1.6	1.6	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	CHROMIUM (TOTAL)	13.3		0.25	0.25	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	COBALT (TOTAL)	2.9		0.11	0.11	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	COPPER (TOTAL)	4	J	0.158	0.158	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	IRON (TOTAL)	12300		2.65	2.65	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	LEAD (TOTAL)	5.3		1.46	1.46	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1380		1.35	1.35	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	MANGANESE (TOTAL)	82.3		0.0708	0.0708	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.13	J	0.13	0.5	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	NICKEL (TOTAL)	6.3		0.25	0.25	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	POTASSIUM (TOTAL)	633		20.3	20.3	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	SODIUM (TOTAL)	162	J	96.7	96.7	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	VANADIUM (TOTAL)	19.7		0.229	0.229	mg/Kg
SS102GA	AP991	5/1/2001	CL200.7	ZINC (TOTAL)	14.9	J	0.0854	0.0854	mg/Kg
SS102GA	AP992	5/1/2001	CVOL	ACETONE	180	J	4.04	10	ug/Kg
SS102GA	AP992	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	4.56	10	ug/Kg
SS102GA	AP992	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	11.2	J	1.5	2.5	mg/Kg
SS102GA	AP992	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.13	J	0.0043	0.01	mg/Kg
SS102GA	AP992	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	60.9		1	2.26	mg/Kg
SS102GA	AP992	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	9890		0	0	mg/Kg
SS102GA	AP993	5/1/2001	CVOL	ACETONE	80	J	4.04	8	ug/Kg
SS102GA	AP993	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	8	ug/Kg
SS102GA	AP993	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.2	J	1.5	2.46	mg/Kg
SS102GA	AP993	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.12	J	0.0043	0.01	mg/Kg
SS102GA	AP993	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92.2		1	2.15	mg/Kg
SS102GA	AP993	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	6180		0	0	mg/Kg
SS102GA	AP994	5/1/2001	CPEST	P,P'-DDT	2.1	J	1.63	4	ug/Kg
SS102GA	AP994	5/1/2001	CVOL	ACETONE	200	J	4.04	13	ug/Kg
SS102GA	AP994	5/1/2001	CVOL	BROMOMETHANE	1	J	1	13	ug/Kg
SS102GA	AP994	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	4.56	13	ug/Kg
SS102GA	AP994	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	19.9	J	1.5	2.48	mg/Kg
SS102GA	AP994	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.06	J	0.0043	0.01	mg/Kg
SS102GA	AP994	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	108		1	2.03	mg/Kg
SS102GA	AP994	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	13300		0	0	mg/Kg
SS102GA	AP995	5/1/2001	CVOL	ACETONE	130	J	4.04	10	ug/Kg
SS102GA	AP995	5/1/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102GA	AP995	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	10	ug/Kg
SS102GA	AP995	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.9	J	1.5	2.51	mg/Kg
SS102GA	AP995	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.05	J	0.0043	0.01	mg/Kg
SS102GA	AP995	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	120		1	2.21	mg/Kg
SS102GA	AP995	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	7560		0	0	mg/Kg
SS102GA	AP996	5/1/2001	CVOL	ACETONE	83	J	4.04	11	ug/Kg
SS102GA	AP996	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	11	ug/Kg
SS102GA	AP996	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	11.4	J	0.02	0.02	mg/Kg
SS102GA	AP996	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	100		0.01	0.01	mg/Kg
SS102GA	AP996	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	8070		0	0	mg/Kg
SS102GA	AP997	5/1/2001	CVOL	ACETONE	87	J	4.04	10	ug/Kg
SS102GA	AP997	5/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	4.56	10	ug/Kg
SS102GA	AP997	5/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	12.3	J	0.02	0.02	mg/Kg
SS102GA	AP997	5/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.0043	0.01	mg/Kg
SS102GA	AP997	5/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	74.4		0.01	0.01	mg/Kg
SS102GA	AP997	5/1/2001	LYDKHN	TOTAL ORGANIC CARBON	12700		0	0	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	ALUMINUM (TOTAL)	12500		1.8	1.8	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	ARSENIC (TOTAL)	4.4	J	0.907	0.907	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	BARIUM (TOTAL)	15		0.0445	0.0445	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.37		0.0142	0.0142	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	BORON (TOTAL)	3.1		0.155	0.155	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	CALCIUM (TOTAL)	95.7	J	1.37	1.37	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	CHROMIUM (TOTAL)	16		0.213	0.213	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	COBALT (TOTAL)	3.2		0.0943	0.0943	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	COPPER (TOTAL)	5.3	J	0.135	0.135	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	IRON (TOTAL)	14100		2.26	2.26	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	LEAD (TOTAL)	6.6		1.28	1.28	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1590		1.16	1.16	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	MANGANESE (TOTAL)	73.6		0.0605	0.0605	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.14	J	0.14	0.43	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	NICKEL (TOTAL)	7.5		0.213	0.213	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	POTASSIUM (TOTAL)	703		17.4	17.4	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	SELENIUM (TOTAL)	0.3	J	0.239	0.239	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	SODIUM (TOTAL)	151	J	82.5	82.5	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	VANADIUM (TOTAL)	23.2		0.196	0.196	mg/Kg
SS102GA	AQ001	5/1/2001	CL200.7	ZINC (TOTAL)	16.5	J	0.0729	0.0729	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	ALUMINUM (TOTAL)	8770		1.94	1.94	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	ARSENIC (TOTAL)	3.4	J	0.98	0.98	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	BARIUM (TOTAL)	11.7		0.048	0.048	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.3		0.0154	0.0154	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	BORON (TOTAL)	2.1		0.167	0.167	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	CALCIUM (TOTAL)	61.3	J	1.48	1.48	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	CHROMIUM (TOTAL)	11.4		0.231	0.231	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102GA	AQ002	5/1/2001	CL200.7	COBALT (TOTAL)	2.7		0.102	0.102	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	COPPER (TOTAL)	4.3	J	0.146	0.146	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	IRON (TOTAL)	10600		2.44	2.44	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	LEAD (TOTAL)	6.1		1.31	1.31	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1240		1.25	1.25	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	MANGANESE (TOTAL)	71.4		0.0653	0.0653	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.55	J	0.0461	0.0461	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	NICKEL (TOTAL)	5.8		0.231	0.231	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	POTASSIUM (TOTAL)	534		18.8	18.8	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	SELENIUM (TOTAL)	0.28	J	0.245	0.245	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	SODIUM (TOTAL)	147	J	89.1	89.1	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	VANADIUM (TOTAL)	17.2		0.211	0.211	mg/Kg
SS102GA	AQ002	5/1/2001	CL200.7	ZINC (TOTAL)	13.7	J	0.0788	0.0788	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	ALUMINUM (TOTAL)	12300		2.22	2.22	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	ARSENIC (TOTAL)	4.4	J	1.12	1.12	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	BARIUM (TOTAL)	14.9		0.0548	0.0548	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.34		0.0176	0.0176	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	BORON (TOTAL)	2.8		0.191	0.191	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	CADMIUM (TOTAL)	0.072	J	0.0614	0.0614	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	CALCIUM (TOTAL)	84.6	J	1.69	1.69	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	CHROMIUM (TOTAL)	14.5		0.263	0.263	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	COBALT (TOTAL)	2.3		0.116	0.116	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	COPPER (TOTAL)	4.9	J	0.167	0.167	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	IRON (TOTAL)	13900		2.79	2.79	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	LEAD (TOTAL)	6.2		1.45	1.45	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1200		1.43	1.43	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	MANGANESE (TOTAL)	62.3		0.0746	0.0746	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.32	J	0.32	0.53	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	NICKEL (TOTAL)	6.4		0.263	0.263	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	POTASSIUM (TOTAL)	604		21.4	21.4	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	SODIUM (TOTAL)	243	J	102	102	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	VANADIUM (TOTAL)	23.4		0.241	0.241	mg/Kg
SS102GA	AQ003	5/1/2001	CL200.7	ZINC (TOTAL)	15.1	J	0.09	0.09	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	ALUMINUM (TOTAL)	9180		1.83	1.83	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	ARSENIC (TOTAL)	4.1	J	0.925	0.925	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	BARIUM (TOTAL)	11.7		0.0454	0.0454	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.3		0.0145	0.0145	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	BORON (TOTAL)	2.5		0.158	0.158	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	CALCIUM (TOTAL)	70.1	J	1.4	1.4	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	CHROMIUM (TOTAL)	12.1		0.218	0.218	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	COBALT (TOTAL)	2.7		0.0962	0.0962	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	COPPER (TOTAL)	4	J	0.138	0.138	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	IRON (TOTAL)	10700		2.3	2.3	mg/Kg

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NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102GA	AQ004	5/1/2001	CL200.7	LEAD (TOTAL)	7.5		1.41	1.41	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1240		1.18	1.18	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	MANGANESE (TOTAL)	85		0.0617	0.0617	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.5	J	0.0435	0.0435	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	NICKEL (TOTAL)	6.1		0.218	0.218	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	POTASSIUM (TOTAL)	577		17.7	17.7	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	SELENIUM (TOTAL)	0.34	J	0.264	0.264	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	SODIUM (TOTAL)	140	J	84.2	84.2	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	VANADIUM (TOTAL)	17.6		0.2	0.2	mg/Kg
SS102GA	AQ004	5/1/2001	CL200.7	ZINC (TOTAL)	13.9	J	0.0744	0.0744	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	ALUMINUM (TOTAL)	11100		2.01	2.01	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	ARSENIC (TOTAL)	3.9	J	1.01	1.01	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	BARIUM (TOTAL)	17.2		0.0497	0.0497	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.33		0.0159	0.0159	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	BORON (TOTAL)	2.7		0.173	0.173	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	CALCIUM (TOTAL)	99.1	J	1.53	1.53	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	CHROMIUM (TOTAL)	13.2		0.239	0.239	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	COBALT (TOTAL)	2.3		0.106	0.106	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	COPPER (TOTAL)	3.9	J	0.151	0.151	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	IRON (TOTAL)	13100		2.53	2.53	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	LEAD (TOTAL)	8.4		1.45	1.45	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1160		1.29	1.29	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	MANGANESE (TOTAL)	60.6		0.0676	0.0676	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.19	J	0.19	0.48	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	NICKEL (TOTAL)	5.8		0.239	0.239	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	POTASSIUM (TOTAL)	610		19.4	19.4	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	SODIUM (TOTAL)	155	J	92.3	92.3	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	VANADIUM (TOTAL)	21.9		0.219	0.219	mg/Kg
SS102GA	AQ005	5/1/2001	CL200.7	ZINC (TOTAL)	13.6	J	0.0816	0.0816	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	ALUMINUM (TOTAL)	12200		2.04	2.04	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	ARSENIC (TOTAL)	4.1		1.03	1.03	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	BARIUM (TOTAL)	15		0.0505	0.0505	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.33		0.0162	0.0162	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	BORON (TOTAL)	2.6		0.176	0.176	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	CALCIUM (TOTAL)	71.9	J	1.56	1.56	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	CHROMIUM (TOTAL)	14.2		0.242	0.242	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	COBALT (TOTAL)	2.5		0.107	0.107	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	COPPER (TOTAL)	4	J	0.154	0.154	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	IRON (TOTAL)	13300		2.56	2.56	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	LEAD (TOTAL)	11	J	2.77	2.77	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	MAGNESIUM (TOTAL)	1340		1.31	1.31	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	MANGANESE (TOTAL)	65.9		0.0687	0.0687	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.2	J	0.2	0.48	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102GA	AQ006	5/1/2001	CL200.7	NICKEL (TOTAL)	6.4		0.242	0.242	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	POTASSIUM (TOTAL)	581		19.7	19.7	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	SELENIUM (TOTAL)	0.3	J	0.259	0.259	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	VANADIUM (TOTAL)	21.9		0.222	0.222	mg/Kg
SS102GA	AQ006	5/1/2001	CL200.7	ZINC (TOTAL)	14.8	J	0.0828	0.0828	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	ALUMINUM (TOTAL)	4990		2.5	2.52	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	ANTIMONY (TOTAL)	0.99	J	0.5	0.798	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	ARSENIC (TOTAL)	2.5		0.75	0.854	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	BARIUM (TOTAL)	28.5		1.18	2.38	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	BERYLLIUM (TOTAL)	0.21		0.03	0.0557	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	CADMIUM (TOTAL)	0.35		0.07	0.167	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	CALCIUM (TOTAL)	362		29	60.9	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	CHROMIUM (TOTAL)	94.6		0.14	0.316	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	COBALT (TOTAL)	4.5		0.26	0.742	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	COPPER (TOTAL)	10.2		0.334	0.334	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	IRON (TOTAL)	11500		4.21	4.84	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	LEAD (TOTAL)	6.6		0.32	0.334	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	MAGNESIUM (TOTAL)	1070		28.1	64.6	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	MANGANESE (TOTAL)	93.5		0.08	0.0928	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	MOLYBDENUM (TOTAL)	19.7		0.49	0.557	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	NICKEL (TOTAL)	112		0.3	0.872	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	POTASSIUM (TOTAL)	388		47.2	109	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	THALLIUM (TOTAL)	0.96	J	0.64	0.705	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	VANADIUM (TOTAL)	10.5		0.36	0.687	mg/Kg
SS102IA	AJ635	9/22/2000	CL200.7	ZINC (TOTAL)	16.9		0.29	1.1	mg/Kg
SS102IA	AJ635	9/22/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.6	J	0.02	0.02	mg/Kg
SS102IA	AJ635	9/22/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.26		0.01	0.01	mg/Kg
SS102IA	AJ635	9/22/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	75		0.01	0.01	mg/Kg
SS102IA	AJ635	9/22/2000	LYDKHN	TOTAL ORGANIC CARBON	2670	J	0	0	mg/Kg
SS102IA	AJ635	9/22/2000	SW8151A	PENTACHLOROPHENOL	80	J	7.6	36	ug/Kg
SS102IA	AJ635	9/22/2000	SW8270	DI-N-BUTYL PHTHALATE	110	J	88.6	350	ug/Kg
SS102IA	AJ635	9/22/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	8	ug/Kg
SS102IA	AJ636	9/22/2000	CL200.7	ALUMINUM (TOTAL)	6230		2.27	2.27	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	ARSENIC (TOTAL)	2.7		0.75	0.769	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	BARIUM (TOTAL)	11.8		1.18	2.14	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	BERYLLIUM (TOTAL)	0.26		0.03	0.0502	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	CADMIUM (TOTAL)	0.21	J	0.07	0.151	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	CALCIUM (TOTAL)	582		29	54.8	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	CHROMIUM (TOTAL)	8.5		0.14	0.284	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	COBALT (TOTAL)	2.2		0.26	0.669	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	COPPER (TOTAL)	6.1		0.301	0.301	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	IRON (TOTAL)	8500		4.21	4.37	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	LEAD (TOTAL)	6.9		0.301	0.301	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IA	AJ636	9/22/2000	CL200.7	MAGNESIUM (TOTAL)	1040		28.1	58.2	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	MANGANESE (TOTAL)	79		0.08	0.0836	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	NICKEL (TOTAL)	5.2		0.3	0.786	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	POTASSIUM (TOTAL)	444		47.2	98.1	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	THALLIUM (TOTAL)	0.87	J	0.64	0.753	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	VANADIUM (TOTAL)	11.8		0.36	0.619	mg/Kg
SS102IA	AJ636	9/22/2000	CL200.7	ZINC (TOTAL)	15.6		0.29	0.987	mg/Kg
SS102IA	AJ636	9/22/2000	E350.2	NITROGEN, AMMONIA (AS N)	4	J	0.02	0.02	mg/Kg
SS102IA	AJ636	9/22/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.13		0.01	0.01	mg/Kg
SS102IA	AJ636	9/22/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	111		0.01	0.01	mg/Kg
SS102IA	AJ636	9/22/2000	LYDKHN	TOTAL ORGANIC CARBON	2750	J	0	0	mg/Kg
SS102IA	AJ636	9/22/2000	SW8270	BENZO(B)FLUORANTHENE	20	J	20	350	ug/Kg
SS102IA	AJ636	9/22/2000	SW8270	BENZO(K)FLUORANTHENE	16	J	16	350	ug/Kg
SS102IA	AJ636	9/22/2000	SW8270	CHRYSENE	31	J	31	350	ug/Kg
SS102IA	AJ636	9/22/2000	SW8270	FLUORANTHENE	27	J	27	350	ug/Kg
SS102IA	AJ636	9/22/2000	SW8270	N-NITROSODIPHENYLAMINE	20	J	20	350	ug/Kg
SS102IA	AJ636	9/22/2000	SW8270	PYRENE	25	J	25	350	ug/Kg
SS102IA	AJ636	9/22/2000	CVOL	ACETONE	46	J	4.34	10	ug/Kg
SS102IA	AJ636	9/22/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	10	ug/Kg
SS102IA	AJ637	9/22/2000	CL200.7	ALUMINUM (TOTAL)	11000		2.5	3.01	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	ARSENIC (TOTAL)	4.3		0.75	1.02	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	BARIUM (TOTAL)	16.5		1.18	2.83	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	BERYLLIUM (TOTAL)	0.32		0.03	0.0664	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	CADMIUM (TOTAL)	0.22	J	0.07	0.199	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	CALCIUM (TOTAL)	435		29	72.6	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	CHROMIUM (TOTAL)	13.6		0.14	0.376	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	COBALT (TOTAL)	2.4		0.26	0.885	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	COPPER (TOTAL)	7.2		0.34	0.398	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	IRON (TOTAL)	13200		4.21	5.78	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	LEAD (TOTAL)	8.9		0.32	0.398	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	MAGNESIUM (TOTAL)	1550		28.1	77	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	MANGANESE (TOTAL)	73.4		0.08	0.111	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	MOLYBDENUM (TOTAL)	0.74	J	0.49	0.664	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	NICKEL (TOTAL)	7.1		0.3	1.04	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	POTASSIUM (TOTAL)	594		47.2	130	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	THALLIUM (TOTAL)	1.6	J	0.64	0.841	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	VANADIUM (TOTAL)	17.9		0.36	0.819	mg/Kg
SS102IA	AJ637	9/22/2000	CL200.7	ZINC (TOTAL)	18.9		0.29	1.31	mg/Kg
SS102IA	AJ637	9/22/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	0.02	0.02	mg/Kg
SS102IA	AJ637	9/22/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.23		0.01	0.01	mg/Kg
SS102IA	AJ637	9/22/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	24		0.01	0.01	mg/Kg
SS102IA	AJ637	9/22/2000	LYDKHN	TOTAL ORGANIC CARBON	3910	J	0	0	mg/Kg
SS102IA	AJ637	9/22/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	7	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IAA	BC746	5/2/2002	CL200.7	ALUMINUM (TOTAL)	8690		3.9	3.9	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	ARSENIC (TOTAL)	3.7		0.47	0.47	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	BARIUM (TOTAL)	13.9		1.3	1.3	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	BERYLLIUM (TOTAL)	0.31		0.02	0.02	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	BORON (TOTAL)	7.2		0.4	0.4	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	CADMIUM (TOTAL)	0.3		0.1	0.11	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	CALCIUM (TOTAL)	538		27.1	27.1	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	CHROMIUM (TOTAL)	11.3		0.25	0.25	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	COBALT (TOTAL)	3.2		0.61	0.61	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	COPPER (TOTAL)	6.1		0.3	0.3	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	IRON (TOTAL)	10500		6.7	6.7	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	LEAD (TOTAL)	7		0.17	0.17	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	MAGNESIUM (TOTAL)	1100		27.9	27.9	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	MANGANESE (TOTAL)	70.5		0.17	0.17	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	MOLYBDENUM (TOTAL)	0.5	J	0.34	0.34	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	NICKEL (TOTAL)	5.7		0.59	0.59	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	POTASSIUM (TOTAL)	591		26.2	26.2	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	SILVER (TOTAL)	0.3	J	0.25	0.25	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	VANADIUM (TOTAL)	15.7		0.42	0.42	mg/Kg
SS102IAA	BC746	5/2/2002	CL200.7	ZINC (TOTAL)	13.7	J	0.21	0.21	mg/Kg
SS102IAA	BC746	5/2/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23	J	23	370	ug/Kg
SS102IAA	BC747	5/2/2002	CL200.7	ALUMINUM (TOTAL)	14100		4.6	4.6	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	ANTIMONY (TOTAL)	1.7	J	0.92	0.92	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	ARSENIC (TOTAL)	5.3		0.62	0.62	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	BARIUM (TOTAL)	17.9		0.81	0.81	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	BERYLLIUM (TOTAL)	0.48		0.02	0.02	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	BORON (TOTAL)	12.6		0.44	0.44	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	CALCIUM (TOTAL)	558		29.6	29.6	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	CHROMIUM (TOTAL)	19.1		0.32	0.32	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	COBALT (TOTAL)	4.1		0.48	0.48	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	COPPER (TOTAL)	7.3	J	0.32	0.32	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	IRON (TOTAL)	17700		3.9	3.9	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	LEAD (TOTAL)	8.3		0.18	0.18	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	MAGNESIUM (TOTAL)	2400		30.4	30.4	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	MANGANESE (TOTAL)	132		0.18	0.18	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	NICKEL (TOTAL)	9.7		0.55	0.55	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	POTASSIUM (TOTAL)	937		28.6	28.6	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	VANADIUM (TOTAL)	23.4		0.46	0.46	mg/Kg
SS102IAA	BC747	5/2/2002	CL200.7	ZINC (TOTAL)	24.7	J	0.21	0.21	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	ALUMINUM (TOTAL)	10300		4.5	4.5	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	ARSENIC (TOTAL)	4.9		0.61	0.61	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	BARIUM (TOTAL)	16.9		0.79	0.79	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	BERYLLIUM (TOTAL)	0.46		0.02	0.02	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IAA	BC748	5/2/2002	CL200.7	BORON (TOTAL)	9.1		0.43	0.43	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	CALCIUM (TOTAL)	234		28.8	28.8	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	CHROMIUM (TOTAL)	13.8		0.31	0.31	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	COBALT (TOTAL)	4.6		0.47	0.47	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	COPPER (TOTAL)	5.8	J	0.31	0.31	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	IRON (TOTAL)	12700		3.8	3.8	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	LEAD (TOTAL)	6.3		0.18	0.18	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	MAGNESIUM (TOTAL)	1770		29.7	29.7	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	MANGANESE (TOTAL)	131		0.18	0.18	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	NICKEL (TOTAL)	7.4		0.54	0.54	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	POTASSIUM (TOTAL)	931		27.9	27.9	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	VANADIUM (TOTAL)	18.2		0.45	0.45	mg/Kg
SS102IAA	BC748	5/2/2002	CL200.7	ZINC (TOTAL)	19.3	J	0.2	0.2	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	ALUMINUM (TOTAL)	12800		4.2	4.2	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	ANTIMONY (TOTAL)	0.9	J	0.86	0.86	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	ARSENIC (TOTAL)	5.3		0.58	0.58	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	BARIUM (TOTAL)	24.4		0.75	0.75	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	BERYLLIUM (TOTAL)	0.44		0.02	0.02	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	BORON (TOTAL)	10.5		0.41	0.41	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	CALCIUM (TOTAL)	584		27.5	27.5	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	CHROMIUM (TOTAL)	28.4		0.3	0.3	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	COBALT (TOTAL)	6.2		0.45	0.45	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	COPPER (TOTAL)	11.1	J	0.3	0.3	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	IRON (TOTAL)	16400		3.6	3.6	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	LEAD (TOTAL)	8.1		0.17	0.17	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	MAGNESIUM (TOTAL)	3750		28.3	28.3	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	MANGANESE (TOTAL)	188		0.17	0.17	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	NICKEL (TOTAL)	27.3		0.51	0.51	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	POTASSIUM (TOTAL)	1240		26.6	26.6	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	VANADIUM (TOTAL)	25.4		0.43	0.43	mg/Kg
SS102IAB	BC749	5/2/2002	CL200.7	ZINC (TOTAL)	28.8	J	0.19	0.19	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	ALUMINUM (TOTAL)	9770		4	4	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	ANTIMONY (TOTAL)	1.3	J	0.81	0.81	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	ARSENIC (TOTAL)	3.9		0.55	0.55	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	BARIUM (TOTAL)	32.8		0.71	0.71	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	BERYLLIUM (TOTAL)	0.37		0.02	0.02	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	BORON (TOTAL)	8.9		0.38	0.38	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	CALCIUM (TOTAL)	1060		26	26	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	CHROMIUM (TOTAL)	25.8		0.28	0.28	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	COBALT (TOTAL)	4.4		0.43	0.43	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	COPPER (TOTAL)	10.3	J	0.28	0.28	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	IRON (TOTAL)	13300		3.4	3.4	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	LEAD (TOTAL)	6.4		0.16	0.16	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IAB	BC750	5/2/2002	CL200.7	MAGNESIUM (TOTAL)	3210		26.7	26.7	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	MANGANESE (TOTAL)	112		0.16	0.16	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	NICKEL (TOTAL)	30.8		0.49	0.49	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	POTASSIUM (TOTAL)	1450		25.1	25.1	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	VANADIUM (TOTAL)	22		0.4	0.4	mg/Kg
SS102IAB	BC750	5/2/2002	CL200.7	ZINC (TOTAL)	42.4	J	0.18	0.18	mg/Kg
SS102IAB	BC750	5/2/2002	SW8270	2,4-DINITROTOLUENE	20	J	20	360	ug/Kg
SS102IAB	BC750	5/2/2002	SW8270	DI-N-BUTYL PHTHALATE	820		71.5	360	ug/Kg
SS102IAB	BC750	5/2/2002	SW8270	N-NITROSODIPHENYLAMINE	93	J	93	360	ug/Kg
SS102IAB	BC751	5/2/2002	CL200.7	ALUMINUM (TOTAL)	5710		4.1	4.1	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	ANTIMONY (TOTAL)	0.83	J	0.83	0.83	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	ARSENIC (TOTAL)	2.4		0.56	0.56	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	BARIUM (TOTAL)	11.5		0.72	0.72	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	BERYLLIUM (TOTAL)	0.31		0.02	0.02	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	BORON (TOTAL)	5.5		0.39	0.39	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	CALCIUM (TOTAL)	492		26.5	26.5	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	CHROMIUM (TOTAL)	9.2		0.29	0.29	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	COBALT (TOTAL)	2.2		0.43	0.43	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	COPPER (TOTAL)	8	J	0.29	0.29	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	IRON (TOTAL)	8090		3.5	3.5	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	LEAD (TOTAL)	5.6		0.17	0.17	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	MAGNESIUM (TOTAL)	1170		27.3	27.3	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	MANGANESE (TOTAL)	79.8		0.17	0.17	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	NICKEL (TOTAL)	9.4		0.5	0.5	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	POTASSIUM (TOTAL)	719		25.6	25.6	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	VANADIUM (TOTAL)	12.6		0.41	0.41	mg/Kg
SS102IAB	BC751	5/2/2002	CL200.7	ZINC (TOTAL)	16.3	J	0.19	0.19	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	ALUMINUM (TOTAL)	6490		4.2	4.2	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	ANTIMONY (TOTAL)	0.85	J	0.85	0.85	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	ARSENIC (TOTAL)	3		0.57	0.57	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	BARIUM (TOTAL)	12.8		0.74	0.74	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	BERYLLIUM (TOTAL)	0.33		0.02	0.02	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	BORON (TOTAL)	6.5		0.4	0.4	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	CALCIUM (TOTAL)	433		27.3	27.3	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	CHROMIUM (TOTAL)	17.8		0.3	0.3	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	COBALT (TOTAL)	2.6		0.45	0.45	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	COPPER (TOTAL)	7.7	J	0.3	0.3	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	IRON (TOTAL)	9990		3.6	3.6	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	LEAD (TOTAL)	6.2		0.17	0.17	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	MAGNESIUM (TOTAL)	1350		28.1	28.1	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	MANGANESE (TOTAL)	80.2		0.17	0.17	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	MOLYBDENUM (TOTAL)	2		0.26	0.26	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	NICKEL (TOTAL)	13.6		0.51	0.51	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IAB	BC752	5/2/2002	CL200.7	POTASSIUM (TOTAL)	716		26.4	26.4	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	VANADIUM (TOTAL)	14.4		0.43	0.43	mg/Kg
SS102IAB	BC752	5/2/2002	CL200.7	ZINC (TOTAL)	19.9	J	0.19	0.19	mg/Kg
SS102IAB	BC752	5/2/2002	SW8270	DI-N-BUTYL PHTHALATE	170	J	71.5	350	ug/Kg
SS102IC	AQ346	5/9/2001	CL200.7	ALUMINUM (TOTAL)	6060		5.3	8.31	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	ARSENIC (TOTAL)	1.7		0.816	0.816	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	BARIUM (TOTAL)	16		0.716	0.716	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	BERYLLIUM (TOTAL)	0.18		0.0199	0.0199	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	BORON (TOTAL)	7.9		1.2	1.61	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	CADMIUM (TOTAL)	0.39		0.0398	0.0398	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	CALCIUM (TOTAL)	487		35.8	35.8	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	CHROMIUM (TOTAL)	10.2		0.2	0.279	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	COBALT (TOTAL)	3.1		0.239	0.239	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	COPPER (TOTAL)	10.8		0.497	0.497	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	IRON (TOTAL)	10500		3.5	7.38	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	LEAD (TOTAL)	9.8		0.2	0.259	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	MAGNESIUM (TOTAL)	1190		37.6	37.6	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	MANGANESE (TOTAL)	100		0.0597	0.0597	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	MOLYBDENUM (TOTAL)	2.4		0.239	0.239	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	NICKEL (TOTAL)	20.7		0.259	0.259	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	POTASSIUM (TOTAL)	641		71.4	71.4	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	VANADIUM (TOTAL)	13.7		0.279	0.279	mg/Kg
SS102IC	AQ346	5/9/2001	CL200.7	ZINC (TOTAL)	28.3		0.4	0.955	mg/Kg
SS102IC	AQ346	5/9/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.3	J	1.5	2.4	mg/Kg
SS102IC	AQ346	5/9/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	110		1	1.92	mg/Kg
SS102IC	AQ346	5/9/2001	LYDKHN	TOTAL ORGANIC CARBON	3600		0	0	mg/Kg
SS102IC	AQ346	5/9/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23	J	23	350	ug/Kg
SS102IC	AQ346	5/9/2001	CVOL	ACETONE	130	J	4.04	14	ug/Kg
SS102IC	AQ346	5/9/2001	CVOL	BROMOFORM	2	J	1.15	14	ug/Kg
SS102IC	AQ346	5/9/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	14	ug/Kg
SS102IC	AQ346	5/9/2001	CVOL	TOLUENE	1	J	1	14	ug/Kg
SS102IC	AQ347	5/9/2001	CL200.7	ALUMINUM (TOTAL)	6830		5.3	8.48	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	ARSENIC (TOTAL)	2.3		0.832	0.832	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	BARIUM (TOTAL)	22.7		0.731	0.731	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0203	0.0203	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	BORON (TOTAL)	6.9		1.2	1.64	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	CADMIUM (TOTAL)	0.31		0.0406	0.0406	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	CALCIUM (TOTAL)	601		36.5	36.5	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	CHROMIUM (TOTAL)	11.7		0.2	0.284	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	COBALT (TOTAL)	3.6		0.244	0.244	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	COPPER (TOTAL)	10.5		0.507	0.507	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	IRON (TOTAL)	9080		3.5	7.53	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	LEAD (TOTAL)	12		0.2	0.264	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IC	AQ347	5/9/2001	CL200.7	MAGNESIUM (TOTAL)	1590		38.4	38.4	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	MANGANESE (TOTAL)	94.6		0.0609	0.0609	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	MOLYBDENUM (TOTAL)	6.8		0.244	0.244	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	NICKEL (TOTAL)	12.1		0.264	0.264	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	POTASSIUM (TOTAL)	942		72.9	72.9	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	VANADIUM (TOTAL)	18		0.284	0.284	mg/Kg
SS102IC	AQ347	5/9/2001	CL200.7	ZINC (TOTAL)	25.7		0.4	0.974	mg/Kg
SS102IC	AQ347	5/9/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	1.5	2.6	mg/Kg
SS102IC	AQ347	5/9/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.0043	0.01	mg/Kg
SS102IC	AQ347	5/9/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	131		1	1.94	mg/Kg
SS102IC	AQ347	5/9/2001	LYDKHN	TOTAL ORGANIC CARBON	3090		0	0	mg/Kg
SS102IC	AQ347	5/9/2001	CVOL	ACETONE	69	J	4.04	8	ug/Kg
SS102IC	AQ347	5/9/2001	CVOL	BROMOFORM	1	J	1	8	ug/Kg
SS102IC	AQ347	5/9/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	8	ug/Kg
SS102IC	AQ348	5/9/2001	CL200.7	ALUMINUM (TOTAL)	10800		5.3	8.76	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	ANTIMONY (TOTAL)	1.2	J	0.65	0.65	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	ARSENIC (TOTAL)	3.3		0.859	0.859	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	BARIUM (TOTAL)	26.2		0.754	0.754	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	BERYLLIUM (TOTAL)	0.19		0.021	0.021	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	BORON (TOTAL)	9.4		1.2	1.7	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	CADMIUM (TOTAL)	0.38		0.0419	0.0419	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	CALCIUM (TOTAL)	837		37.7	37.7	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	CHROMIUM (TOTAL)	14.7		0.2	0.293	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	COBALT (TOTAL)	4		0.251	0.251	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	COPPER (TOTAL)	26.8		0.524	0.524	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	IRON (TOTAL)	12200		3.5	7.77	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	LEAD (TOTAL)	35.9		0.2	0.272	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	MAGNESIUM (TOTAL)	1590		39.6	39.6	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	MANGANESE (TOTAL)	83.5		0.0629	0.0629	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	NICKEL (TOTAL)	9.6		0.272	0.272	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	POTASSIUM (TOTAL)	970		75.2	75.2	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	SELENIUM (TOTAL)	0.98	J	0.7	0.817	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	VANADIUM (TOTAL)	21.6		0.293	0.293	mg/Kg
SS102IC	AQ348	5/9/2001	CL200.7	ZINC (TOTAL)	137		0.4	1.01	mg/Kg
SS102IC	AQ348	5/9/2001	CL245.5	MERCURY	0.07	J	0.0259	0.0581	mg/Kg
SS102IC	AQ348	5/9/2001	CPEST	P,P'-DDD	4.1		0.534	3.8	ug/Kg
SS102IC	AQ348	5/9/2001	CPEST	P,P'-DDE	3.9		0.523	3.8	ug/Kg
SS102IC	AQ348	5/9/2001	CPEST	P,P'-DDT	3.9		1.63	3.8	ug/Kg
SS102IC	AQ348	5/9/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.4	J	1.5	2.66	mg/Kg
SS102IC	AQ348	5/9/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.0043	0.01	mg/Kg
SS102IC	AQ348	5/9/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	234		1	1.85	mg/Kg
SS102IC	AQ348	5/9/2001	LYDKHN	TOTAL ORGANIC CARBON	6360		0	0	mg/Kg
SS102IC	AQ348	5/9/2001	SW8270	BENZO(A)ANTHRACENE	160	J	88.7	380	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IC	AQ348	5/9/2001	SW8270	BENZO(A)PYRENE	100	J	73.1	380	ug/Kg
SS102IC	AQ348	5/9/2001	SW8270	BENZO(B)FLUORANTHENE	150	J	68.2	380	ug/Kg
SS102IC	AQ348	5/9/2001	SW8270	BENZO(G,H,I)PERYLENE	52	J	52	380	ug/Kg
SS102IC	AQ348	5/9/2001	SW8270	BENZO(K)FLUORANTHENE	140	J	90.1	380	ug/Kg
SS102IC	AQ348	5/9/2001	SW8270	CHRYSENE	180	J	92.9	380	ug/Kg
SS102IC	AQ348	5/9/2001	SW8270	DIBENZ(A,H)ANTHRACENE	20	J	20	380	ug/Kg
SS102IC	AQ348	5/9/2001	SW8270	FLUORANTHENE	200	J	84.8	380	ug/Kg
SS102IC	AQ348	5/9/2001	SW8270	INDENO(1,2,3-C,D)PYRENE	55	J	55	380	ug/Kg
SS102IC	AQ348	5/9/2001	SW8270	PYRENE	170	J	75	380	ug/Kg
SS102IC	AQ348	5/9/2001	CVOL	ACETONE	41	J	4.04	11	ug/Kg
SS102IC	AQ348	5/9/2001	CVOL	BROMOFORM	2	J	1.15	11	ug/Kg
SS102IC	AQ348	5/9/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	11	ug/Kg
SS102IC	AQ349	5/9/2001	CL200.7	ALUMINUM (TOTAL)	11400		5.3	8.88	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	ANTIMONY (TOTAL)	0.99	J	0.659	0.659	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	ARSENIC (TOTAL)	3.8		0.871	0.871	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	BARIUM (TOTAL)	28.7		0.765	0.765	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0212	0.0212	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	BORON (TOTAL)	10.3		1.2	1.72	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	CADMIUM (TOTAL)	0.35		0.0425	0.0425	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	CALCIUM (TOTAL)	843		38.2	38.2	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	CHROMIUM (TOTAL)	16.7		0.2	0.297	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	COBALT (TOTAL)	4.4		0.255	0.255	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	COPPER (TOTAL)	26.2		0.531	0.531	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	IRON (TOTAL)	13600		3.5	7.88	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	LEAD (TOTAL)	27.7		0.2	0.276	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	MAGNESIUM (TOTAL)	1850		40.1	40.1	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	MANGANESE (TOTAL)	87.8		0.0637	0.0637	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	NICKEL (TOTAL)	9.8		0.276	0.276	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	POTASSIUM (TOTAL)	1020		76.3	76.3	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	SELENIUM (TOTAL)	0.94	J	0.7	0.828	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	VANADIUM (TOTAL)	23.4		0.297	0.297	mg/Kg
SS102IC	AQ349	5/9/2001	CL200.7	ZINC (TOTAL)	99.7		0.4	1.02	mg/Kg
SS102IC	AQ349	5/9/2001	CPEST	P,P'-DDD	4.6		0.534	3.8	ug/Kg
SS102IC	AQ349	5/9/2001	CPEST	P,P'-DDE	4.5		0.523	3.8	ug/Kg
SS102IC	AQ349	5/9/2001	CPEST	P,P'-DDT	4.3		1.63	3.8	ug/Kg
SS102IC	AQ349	5/9/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.1	J	1.5	2.72	mg/Kg
SS102IC	AQ349	5/9/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.09		0.0043	0.01	mg/Kg
SS102IC	AQ349	5/9/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	127		1	1.96	mg/Kg
SS102IC	AQ349	5/9/2001	LYDKHN	TOTAL ORGANIC CARBON	10700		0	0	mg/Kg
SS102IC	AQ349	5/9/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	17	J	17	370	ug/Kg
SS102IC	AQ349	5/9/2001	CVOL	ACETONE	36	J	4.04	11	ug/Kg
SS102IC	AQ349	5/9/2001	CVOL	BROMOFORM	2	J	1.15	11	ug/Kg
SS102IC	AQ349	5/9/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	11	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102ID	AJ644	9/26/2000	CL200.7	ALUMINUM (TOTAL)	4000		2.23	2.23	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	ARSENIC (TOTAL)	2	J	0.75	0.934	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	BARIUM (TOTAL)	11		0.736	0.736	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.018	0.018	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	CALCIUM (TOTAL)	463		29	30.6	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	CHROMIUM (TOTAL)	5.8		0.14	0.198	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	COBALT (TOTAL)	2.1		0.26	0.287	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	COPPER (TOTAL)	10		0.323	0.323	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	IRON (TOTAL)	5940		3.81	3.81	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	LEAD (TOTAL)	6.3		0.32	0.323	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	811		28.1	37.3	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	MANGANESE (TOTAL)	67.3		0.0718	0.0718	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	NICKEL (TOTAL)	4.3		0.3	0.377	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	POTASSIUM (TOTAL)	385		34.4	34.4	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	THALLIUM (TOTAL)	1.1	J	0.64	0.808	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	VANADIUM (TOTAL)	10.2		0.359	0.359	mg/Kg
SS102ID	AJ644	9/26/2000	CL200.7	ZINC (TOTAL)	11.6		0.29	0.628	mg/Kg
SS102ID	AJ644	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.5		0.01	0.01	mg/Kg
SS102ID	AJ644	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92.2		0.01	0.01	mg/Kg
SS102ID	AJ644	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	2120	J	0	0	mg/Kg
SS102ID	AJ644	9/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	43	J	43	350	ug/Kg
SS102ID	AJ644	9/26/2000	CVOL	ACETONE	27	J	4.34	6	ug/Kg
SS102ID	AJ644	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102ID	AJ645	9/26/2000	CL200.7	ALUMINUM (TOTAL)	4800		2.28	2.28	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	ARSENIC (TOTAL)	1.4	J	0.75	0.772	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	BARIUM (TOTAL)	8.3		0.754	0.754	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.19		0.0184	0.0184	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	CALCIUM (TOTAL)	310		29	31.4	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	CHROMIUM (TOTAL)	6.6		0.14	0.202	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	COBALT (TOTAL)	2.6		0.26	0.294	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	COPPER (TOTAL)	4.7	J	0.331	0.331	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	IRON (TOTAL)	6710		3.9	3.9	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	LEAD (TOTAL)	5		0.32	0.331	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1100		28.1	38.2	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	MANGANESE (TOTAL)	78.8		0.0735	0.0735	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	NICKEL (TOTAL)	4.2		0.3	0.386	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	POTASSIUM (TOTAL)	469		35.3	35.3	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	VANADIUM (TOTAL)	9.5		0.36	0.368	mg/Kg
SS102ID	AJ645	9/26/2000	CL200.7	ZINC (TOTAL)	11.6		0.29	0.643	mg/Kg
SS102ID	AJ645	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg
SS102ID	AJ645	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73		0.01	0.01	mg/Kg
SS102ID	AJ645	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1500	J	0	0	mg/Kg
SS102ID	AJ645	9/26/2000	CVOL	ACETONE	20	J	4.34	6	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102ID	AJ645	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	1.8	6	ug/Kg
SS102ID	AJ646	9/26/2000	CL200.7	ALUMINUM (TOTAL)	3600		2.5	2.59	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	ARSENIC (TOTAL)	1	J	0.75	0.878	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	BARIUM (TOTAL)	6.4		0.857	0.857	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0209	0.0209	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	CALCIUM (TOTAL)	280		29	35.7	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	CHROMIUM (TOTAL)	4.7		0.14	0.23	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	COBALT (TOTAL)	1.6		0.26	0.335	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	COPPER (TOTAL)	4	J	0.34	0.376	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	IRON (TOTAL)	5380		4.21	4.43	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	LEAD (TOTAL)	5		0.32	0.376	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	699		28.1	43.5	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	MANGANESE (TOTAL)	62		0.08	0.0836	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	NICKEL (TOTAL)	3		0.3	0.439	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	POTASSIUM (TOTAL)	292		40.1	40.1	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	VANADIUM (TOTAL)	7.9		0.36	0.418	mg/Kg
SS102ID	AJ646	9/26/2000	CL200.7	ZINC (TOTAL)	8.6		0.29	0.732	mg/Kg
SS102ID	AJ646	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg
SS102ID	AJ646	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	67.4		0.01	0.01	mg/Kg
SS102ID	AJ646	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1480	J	0	0	mg/Kg
SS102ID	AJ646	9/26/2000	CVOL	ACETONE	18	J	4.34	7	ug/Kg
SS102ID	AJ646	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	7	ug/Kg
SS102IE	AJ647	9/26/2000	CL200.7	ALUMINUM (TOTAL)	4420		2.5	2.55	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	ARSENIC (TOTAL)	1.4	J	0.75	0.864	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	BARIUM (TOTAL)	16.4		0.843	0.843	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0206	0.0206	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	CALCIUM (TOTAL)	1120		29	35.1	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	CHROMIUM (TOTAL)	8.9		0.14	0.226	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	COBALT (TOTAL)	2.4		0.26	0.329	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	COPPER (TOTAL)	9.2		0.34	0.37	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	IRON (TOTAL)	6460		4.21	4.36	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	LEAD (TOTAL)	6.3		0.32	0.37	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1200		28.1	42.8	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	MANGANESE (TOTAL)	70.9		0.08	0.0823	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	NICKEL (TOTAL)	8.5		0.3	0.432	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	POTASSIUM (TOTAL)	392		39.5	39.5	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	VANADIUM (TOTAL)	20.9		0.36	0.411	mg/Kg
SS102IE	AJ647	9/26/2000	CL200.7	ZINC (TOTAL)	12.3		0.29	0.72	mg/Kg
SS102IE	AJ647	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102IE	AJ647	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.1		0.01	0.01	mg/Kg
SS102IE	AJ647	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1810	J	0	0	mg/Kg
SS102IE	AJ647	9/26/2000	SW8270	BENZO(A)ANTHRACENE	41	J	41	350	ug/Kg
SS102IE	AJ647	9/26/2000	SW8270	BENZO(A)PYRENE	46	J	46	350	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IE	AJ647	9/26/2000	SW8270	BENZO(B)FLUORANTHENE	54	J	54	350	ug/Kg
SS102IE	AJ647	9/26/2000	SW8270	BENZO(G,H,I)PERYLENE	37	J	37	350	ug/Kg
SS102IE	AJ647	9/26/2000	SW8270	BENZO(K)FLUORANTHENE	75	J	75	350	ug/Kg
SS102IE	AJ647	9/26/2000	SW8270	CHRYSENE	52	J	52	350	ug/Kg
SS102IE	AJ647	9/26/2000	SW8270	DIBENZ(A,H)ANTHRACENE	20	J	20	350	ug/Kg
SS102IE	AJ647	9/26/2000	SW8270	FLUORANTHENE	57	J	57	350	ug/Kg
SS102IE	AJ647	9/26/2000	SW8270	INDENO(1,2,3-C,D)PYRENE	38	J	38	350	ug/Kg
SS102IE	AJ647	9/26/2000	SW8270	PYRENE	64	J	64	350	ug/Kg
SS102IE	AJ647	9/26/2000	CVOL	ACETONE	49	J	4.34	7	ug/Kg
SS102IE	AJ647	9/26/2000	CVOL	CARBON DISULFIDE	0.8	J	0.43	7	ug/Kg
SS102IE	AJ647	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	7	ug/Kg
SS102IE	AJ648	9/26/2000	CL200.7	ALUMINUM (TOTAL)	4910		2.14	2.14	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	ARSENIC (TOTAL)	1.3	J	0.724	0.724	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	BARIUM (TOTAL)	12.4		0.707	0.707	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0172	0.0172	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	CALCIUM (TOTAL)	669		29	29.4	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	CHROMIUM (TOTAL)	6.3		0.14	0.19	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	COBALT (TOTAL)	2.3		0.26	0.276	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	COPPER (TOTAL)	7.2		0.31	0.31	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	IRON (TOTAL)	6360		3.65	3.65	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	LEAD (TOTAL)	5.7		0.31	0.31	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	889		28.1	35.8	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	MANGANESE (TOTAL)	72.5		0.0689	0.0689	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	NICKEL (TOTAL)	3.8		0.3	0.362	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	POTASSIUM (TOTAL)	419		33.1	33.1	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	VANADIUM (TOTAL)	10		0.345	0.345	mg/Kg
SS102IE	AJ648	9/26/2000	CL200.7	ZINC (TOTAL)	14.2		0.29	0.603	mg/Kg
SS102IE	AJ648	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	102		0.01	0.01	mg/Kg
SS102IE	AJ648	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	3050	J	0	0	mg/Kg
SS102IE	AJ648	9/26/2000	CVOL	ACETONE	37	J	4.34	8	ug/Kg
SS102IE	AJ648	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	8	ug/Kg
SS102IE	AJ649	9/26/2000	CL200.7	ALUMINUM (TOTAL)	5260		2.37	2.37	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	ARSENIC (TOTAL)	2		0.75	0.802	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	BARIUM (TOTAL)	13.3		0.783	0.783	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.21		0.0191	0.0191	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	CALCIUM (TOTAL)	626		29	32.6	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	CHROMIUM (TOTAL)	7.5		0.14	0.21	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	COBALT (TOTAL)	2.6		0.26	0.305	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	COPPER (TOTAL)	5.5	J	0.34	0.344	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	IRON (TOTAL)	7520		4.05	4.05	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	LEAD (TOTAL)	6.1		0.32	0.344	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1200		28.1	39.7	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	MANGANESE (TOTAL)	80		0.0763	0.0763	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IE	AJ649	9/26/2000	CL200.7	NICKEL (TOTAL)	5.2		0.3	0.401	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	POTASSIUM (TOTAL)	525		36.6	36.6	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	SILVER (TOTAL)	0.62	J	0.17	0.496	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	VANADIUM (TOTAL)	11.6		0.36	0.382	mg/Kg
SS102IE	AJ649	9/26/2000	CL200.7	ZINC (TOTAL)	13.5		0.29	0.668	mg/Kg
SS102IE	AJ649	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102IE	AJ649	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.2		0.01	0.01	mg/Kg
SS102IE	AJ649	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1960	J	0	0	mg/Kg
SS102IE	AJ649	9/26/2000	CVOL	ACETONE	41	J	4.34	6	ug/Kg
SS102IE	AJ649	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102IF	AJ650	9/26/2000	CL200.7	ALUMINUM (TOTAL)	5830		2.5	2.55	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.75	0.862	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	BARIUM (TOTAL)	12.6		0.842	0.842	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0205	0.0205	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	CALCIUM (TOTAL)	591		29	35	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	CHROMIUM (TOTAL)	7		0.14	0.226	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	COBALT (TOTAL)	2.2		0.26	0.329	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	COPPER (TOTAL)	9		0.34	0.37	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	IRON (TOTAL)	7000		4.21	4.35	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	LEAD (TOTAL)	8.3		0.32	0.37	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	896		28.1	42.7	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	MANGANESE (TOTAL)	57.4		0.08	0.0821	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	NICKEL (TOTAL)	4.2		0.3	0.431	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	POTASSIUM (TOTAL)	382		39.4	39.4	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	THALLIUM (TOTAL)	1	J	0.64	0.924	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	VANADIUM (TOTAL)	12.4		0.36	0.411	mg/Kg
SS102IF	AJ650	9/26/2000	CL200.7	ZINC (TOTAL)	14.8		0.29	0.719	mg/Kg
SS102IF	AJ650	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102IF	AJ650	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93.1		0.01	0.01	mg/Kg
SS102IF	AJ650	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	6100	J	0	0	mg/Kg
SS102IF	AJ650	9/26/2000	CVOL	ACETONE	10	J	4.34	7	ug/Kg
SS102IF	AJ650	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	1.8	7	ug/Kg
SS102IF	AJ651	9/26/2000	CL200.7	ALUMINUM (TOTAL)	6510		2.34	2.34	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	ARSENIC (TOTAL)	2.1		0.75	0.791	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	BARIUM (TOTAL)	13.1		0.773	0.773	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0188	0.0188	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	CALCIUM (TOTAL)	557		29	32.2	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	CHROMIUM (TOTAL)	8		0.14	0.207	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	COBALT (TOTAL)	2.4		0.26	0.302	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	COPPER (TOTAL)	9.1		0.339	0.339	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	IRON (TOTAL)	8020		3.99	3.99	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	LEAD (TOTAL)	8.5		0.32	0.339	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	980		28.1	39.2	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IF	AJ651	9/26/2000	CL200.7	MANGANESE (TOTAL)	70.4		0.0754	0.0754	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	NICKEL (TOTAL)	5		0.3	0.396	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	POTASSIUM (TOTAL)	448		36.1	36.1	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	VANADIUM (TOTAL)	13.7		0.36	0.377	mg/Kg
SS102IF	AJ651	9/26/2000	CL200.7	ZINC (TOTAL)	15.1		0.29	0.66	mg/Kg
SS102IF	AJ651	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102IF	AJ651	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.4		0.01	0.01	mg/Kg
SS102IF	AJ651	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	5290	J	0	0	mg/Kg
SS102IF	AJ651	9/26/2000	CVOL	ACETONE	18	J	4.34	7	ug/Kg
SS102IF	AJ651	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	7	ug/Kg
SS102IF	AJ652	9/26/2000	CL200.7	ALUMINUM (TOTAL)	8370		2.12	2.12	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	ARSENIC (TOTAL)	2.5		0.717	0.717	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	BARIUM (TOTAL)	14.6		0.7	0.7	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.22		0.0171	0.0171	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	CALCIUM (TOTAL)	544		29	29.1	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	CHROMIUM (TOTAL)	9.2		0.14	0.188	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	COBALT (TOTAL)	2.8		0.26	0.273	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	COPPER (TOTAL)	8		0.307	0.307	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	IRON (TOTAL)	9220		3.62	3.62	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	LEAD (TOTAL)	9.6		0.307	0.307	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1170		28.1	35.5	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	MANGANESE (TOTAL)	70.4		0.0683	0.0683	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	NICKEL (TOTAL)	5.3		0.3	0.359	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	POTASSIUM (TOTAL)	495		32.8	32.8	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	VANADIUM (TOTAL)	14.6		0.342	0.342	mg/Kg
SS102IF	AJ652	9/26/2000	CL200.7	ZINC (TOTAL)	18.2		0.29	0.598	mg/Kg
SS102IF	AJ652	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.09		0.01	0.01	mg/Kg
SS102IF	AJ652	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.4		0.01	0.01	mg/Kg
SS102IF	AJ652	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	5540	J	0	0	mg/Kg
SS102IF	AJ652	9/26/2000	CVOL	ACETONE	28	J	4.34	7	ug/Kg
SS102IF	AJ652	9/26/2000	CVOL	BENZENE	1	J	0.41	7	ug/Kg
SS102IF	AJ652	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	7	ug/Kg
SS102IF	AJ652	9/26/2000	CVOL	TOLUENE	1	J	0.32	7	ug/Kg
SS102IG	AJ668	9/25/2000	CL200.7	ALUMINUM (TOTAL)	4960		2.5	2.52	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	ARSENIC (TOTAL)	1.3	J	0.75	0.777	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	BARIUM (TOTAL)	11.3		1.18	2.37	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.03	0.0555	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	CADMIUM (TOTAL)	2.7		0.07	0.167	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	CALCIUM (TOTAL)	335		29	60.7	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	CHROMIUM (TOTAL)	6.8		0.14	0.315	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	COBALT (TOTAL)	2.5		0.26	0.74	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	COPPER (TOTAL)	6.9		0.333	0.333	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	IRON (TOTAL)	7510		4.21	4.83	mg/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IG	AJ668	9/25/2000	CL200.7	LEAD (TOTAL)	6.9		0.32	0.333	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	1250		28.1	64.3	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	MANGANESE (TOTAL)	98.8		0.08	0.0925	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	NICKEL (TOTAL)	6.2		0.3	0.869	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	POTASSIUM (TOTAL)	403		47.2	108	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	THALLIUM (TOTAL)	1.2	J	0.64	0.703	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	VANADIUM (TOTAL)	10.2		0.36	0.684	mg/Kg
SS102IG	AJ668	9/25/2000	CL200.7	ZINC (TOTAL)	17.8		0.29	1.09	mg/Kg
SS102IG	AJ668	9/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.5	J	0.02	0.02	mg/Kg
SS102IG	AJ668	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.34		0.01	0.01	mg/Kg
SS102IG	AJ668	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	69.3		0.01	0.01	mg/Kg
SS102IG	AJ668	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3090	J	0	0	mg/Kg
SS102IG	AJ668	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	7	ug/Kg
SS102IG	AJ669	9/25/2000	CL200.7	ALUMINUM (TOTAL)	4270		2.47	2.47	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	ARSENIC (TOTAL)	1.4	J	0.75	0.836	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	BARIUM (TOTAL)	8.3		0.816	0.816	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.0199	0.0199	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	CALCIUM (TOTAL)	342		29	34	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	CHROMIUM (TOTAL)	5		0.14	0.219	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	COBALT (TOTAL)	2		0.26	0.318	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	COPPER (TOTAL)	4.2	J	0.34	0.358	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	IRON (TOTAL)	5460		4.21	5.05	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	LEAD (TOTAL)	7.7		0.32	0.358	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	748		28.1	41.4	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	MANGANESE (TOTAL)	62.5		0.0796	0.0796	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	NICKEL (TOTAL)	3.2		0.3	0.418	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	POTASSIUM (TOTAL)	319		38.2	38.2	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	VANADIUM (TOTAL)	8.8		0.36	0.378	mg/Kg
SS102IG	AJ669	9/25/2000	CL200.7	ZINC (TOTAL)	11	J	0.179	0.179	mg/Kg
SS102IG	AJ669	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.27		0.01	0.01	mg/Kg
SS102IG	AJ669	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	74.5		0.01	0.01	mg/Kg
SS102IG	AJ669	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2040	J	0	0	mg/Kg
SS102IG	AJ669	9/25/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	360	ug/Kg
SS102IG	AJ669	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	6	ug/Kg
SS102IG	AJ670	9/25/2000	CL200.7	ALUMINUM (TOTAL)	8350		2.25	2.25	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	ARSENIC (TOTAL)	2.6	J	0.75	0.762	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	BARIUM (TOTAL)	12.6		0.744	0.744	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.24		0.0181	0.0181	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	CALCIUM (TOTAL)	633		29	31	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	CHROMIUM (TOTAL)	9.9		0.14	0.2	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	COBALT (TOTAL)	4.5		0.26	0.29	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	COPPER (TOTAL)	7.5		0.326	0.326	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	IRON (TOTAL)	9690		4.21	4.61	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IG	AJ670	9/25/2000	CL200.7	LEAD (TOTAL)	9.2		0.32	0.326	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	1340		28.1	37.7	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	MANGANESE (TOTAL)	76.2		0.0725	0.0725	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	NICKEL (TOTAL)	7.5		0.3	0.381	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	POTASSIUM (TOTAL)	455		34.8	34.8	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	VANADIUM (TOTAL)	13.3		0.345	0.345	mg/Kg
SS102IG	AJ670	9/25/2000	CL200.7	ZINC (TOTAL)	17.4	J	0.163	0.163	mg/Kg
SS102IG	AJ670	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.17		0.01	0.01	mg/Kg
SS102IG	AJ670	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.8		0.01	0.01	mg/Kg
SS102IG	AJ670	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2500	J	0	0	mg/Kg
SS102IG	AJ670	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	8	ug/Kg
SS102IH	AJ671	9/25/2000	CL200.7	ALUMINUM (TOTAL)	4620		2.28	2.28	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	ARSENIC (TOTAL)	1.9	J	0.75	0.772	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	BARIUM (TOTAL)	11.7		0.754	0.754	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0184	0.0184	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	CALCIUM (TOTAL)	182		29	31.4	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	CHROMIUM (TOTAL)	5.4		0.14	0.202	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	COBALT (TOTAL)	2.1		0.26	0.294	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	COPPER (TOTAL)	6.8		0.331	0.331	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	IRON (TOTAL)	5970		4.21	4.67	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	LEAD (TOTAL)	21.3		0.32	0.331	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	766		28.1	38.2	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	MANGANESE (TOTAL)	63.4		0.0735	0.0735	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	NICKEL (TOTAL)	3.7		0.3	0.386	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	POTASSIUM (TOTAL)	320		35.3	35.3	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	VANADIUM (TOTAL)	10		0.349	0.349	mg/Kg
SS102IH	AJ671	9/25/2000	CL200.7	ZINC (TOTAL)	16.1	J	0.165	0.165	mg/Kg
SS102IH	AJ671	9/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	0.02	0.02	mg/Kg
SS102IH	AJ671	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102IH	AJ671	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	79.7		0.01	0.01	mg/Kg
SS102IH	AJ671	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3940	J	0	0	mg/Kg
SS102IH	AJ671	9/25/2000	CVOL	ACETONE	61		4.34	7	ug/Kg
SS102IH	AJ671	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	13		1.8	7	ug/Kg
SS102IH	AJ671	9/25/2000	CVOL	TOLUENE	0.6	J	0.32	7	ug/Kg
SS102IH	AJ672	9/25/2000	CL200.7	ALUMINUM (TOTAL)	7760		2.5	2.65	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	ARSENIC (TOTAL)	2.2	J	0.75	0.897	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	BARIUM (TOTAL)	12.9		0.875	0.875	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.21		0.0213	0.0213	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	CALCIUM (TOTAL)	212		29	36.4	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	CHROMIUM (TOTAL)	8.3		0.14	0.235	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	COBALT (TOTAL)	2.6		0.26	0.342	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	COPPER (TOTAL)	4.9	J	0.34	0.384	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	IRON (TOTAL)	8360		4.21	5.42	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IH	AJ672	9/25/2000	CL200.7	LEAD (TOTAL)	30.1		0.32	0.384	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	964		28.1	44.4	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	MANGANESE (TOTAL)	64.1		0.08	0.0854	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	NICKEL (TOTAL)	4.2		0.3	0.448	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	POTASSIUM (TOTAL)	354		40.9	40.9	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	VANADIUM (TOTAL)	12.1		0.36	0.406	mg/Kg
SS102IH	AJ672	9/25/2000	CL200.7	ZINC (TOTAL)	15.8	J	0.192	0.192	mg/Kg
SS102IH	AJ672	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102IH	AJ672	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.8		0.01	0.01	mg/Kg
SS102IH	AJ672	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3690	J	0	0	mg/Kg
SS102IH	AJ672	9/25/2000	CVOL	ACETONE	200	J	4.34	8	ug/Kg
SS102IH	AJ672	9/25/2000	CVOL	BROMOMETHANE	1	J	0.49	8	ug/Kg
SS102IH	AJ672	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16		1.8	8	ug/Kg
SS102IH	AJ673	9/25/2000	CL200.7	ALUMINUM (TOTAL)	10100		2.5	2.63	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	ARSENIC (TOTAL)	2.4	J	0.75	0.89	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	BARIUM (TOTAL)	11.8		0.868	0.868	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.25		0.0212	0.0212	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	CALCIUM (TOTAL)	217		29	36.2	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	CHROMIUM (TOTAL)	11.8		0.14	0.233	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	COBALT (TOTAL)	3.3		0.26	0.339	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	COPPER (TOTAL)	5.9	J	0.34	0.381	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	IRON (TOTAL)	11600		4.21	5.38	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	LEAD (TOTAL)	8.6		0.32	0.381	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	1450		28.1	44	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	MANGANESE (TOTAL)	69.4		0.08	0.0847	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	NICKEL (TOTAL)	6		0.3	0.445	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	POTASSIUM (TOTAL)	413		40.6	40.6	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	VANADIUM (TOTAL)	16.7		0.36	0.402	mg/Kg
SS102IH	AJ673	9/25/2000	CL200.7	ZINC (TOTAL)	18.6	J	0.191	0.191	mg/Kg
SS102IH	AJ673	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102IH	AJ673	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103		0.01	0.01	mg/Kg
SS102IH	AJ673	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2420	J	0	0	mg/Kg
SS102IH	AJ673	9/25/2000	CVOL	ACETONE	120		4.34	8	ug/Kg
SS102IH	AJ673	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10		1.8	8	ug/Kg
SS102IH	AJ673	9/25/2000	CVOL	TOLUENE	3	J	0.32	8	ug/Kg
SS102II	AJ674	9/25/2000	CL200.7	ALUMINUM (TOTAL)	6560		2.05	2.05	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	ARSENIC (TOTAL)	2	J	0.693	0.693	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	BARIUM (TOTAL)	13.9		0.676	0.676	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0165	0.0165	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	CALCIUM (TOTAL)	240		28.2	28.2	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	CHROMIUM (TOTAL)	7.9		0.14	0.182	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	COBALT (TOTAL)	2.9		0.26	0.264	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	COPPER (TOTAL)	6.1	J	0.297	0.297	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102II	AJ674	9/25/2000	CL200.7	IRON (TOTAL)	8190		4.19	4.19	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	LEAD (TOTAL)	6.3		0.297	0.297	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	1200		28.1	34.3	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	MANGANESE (TOTAL)	69.9		0.066	0.066	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	NICKEL (TOTAL)	5.2		0.3	0.346	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	POTASSIUM (TOTAL)	404		31.6	31.6	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	VANADIUM (TOTAL)	12.3		0.314	0.314	mg/Kg
SS102II	AJ674	9/25/2000	CL200.7	ZINC (TOTAL)	16.1	J	0.149	0.149	mg/Kg
SS102II	AJ674	9/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	0.02	0.02	mg/Kg
SS102II	AJ674	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102II	AJ674	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	83.2		0.01	0.01	mg/Kg
SS102II	AJ674	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2920	J	0	0	mg/Kg
SS102II	AJ674	9/25/2000	SW8270	BENZOIC ACID	42	J	42	920	ug/Kg
SS102II	AJ674	9/25/2000	CVOL	ACETONE	120		4.34	8	ug/Kg
SS102II	AJ674	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10		1.8	8	ug/Kg
SS102II	AJ674	9/25/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg
SS102II	AJ675	9/25/2000	CL200.7	ALUMINUM (TOTAL)	7200		2.28	2.28	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.75	0.958	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	BARIUM (TOTAL)	11.1		0.756	0.756	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.21		0.0184	0.0184	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	CALCIUM (TOTAL)	137		29	31.5	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	CHROMIUM (TOTAL)	8		0.14	0.203	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	COBALT (TOTAL)	2.9		0.26	0.295	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	COPPER (TOTAL)	11.1		0.332	0.332	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	IRON (TOTAL)	8720		4.21	4.68	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	LEAD (TOTAL)	5.6		0.32	0.332	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	1150		28.1	38.3	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	MANGANESE (TOTAL)	61.8		0.0737	0.0737	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	NICKEL (TOTAL)	4.4		0.3	0.387	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	POTASSIUM (TOTAL)	405		35.3	35.3	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	VANADIUM (TOTAL)	11		0.35	0.35	mg/Kg
SS102II	AJ675	9/25/2000	CL200.7	ZINC (TOTAL)	14.2	J	0.166	0.166	mg/Kg
SS102II	AJ675	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102II	AJ675	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.5		0.01	0.01	mg/Kg
SS102II	AJ675	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2080	J	0	0	mg/Kg
SS102II	AJ675	9/25/2000	SW8270	BENZO(A)ANTHRACENE	36	J	36	360	ug/Kg
SS102II	AJ675	9/25/2000	SW8270	BENZO(A)PYRENE	29	J	29	360	ug/Kg
SS102II	AJ675	9/25/2000	SW8270	BENZO(B)FLUORANTHENE	40	J	40	360	ug/Kg
SS102II	AJ675	9/25/2000	SW8270	BENZO(G,H,I)PERYLENE	17	J	17	360	ug/Kg
SS102II	AJ675	9/25/2000	SW8270	BENZO(K)FLUORANTHENE	44	J	44	360	ug/Kg
SS102II	AJ675	9/25/2000	SW8270	CHRYSENE	55	J	55	360	ug/Kg
SS102II	AJ675	9/25/2000	SW8270	FLUORANTHENE	45	J	45	360	ug/Kg
SS102II	AJ675	9/25/2000	SW8270	INDENO(1,2,3-C,D)PYRENE	17	J	17	360	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102II	AJ675	9/25/2000	SW8270	PYRENE	67	J	67	360	ug/Kg
SS102II	AJ675	9/25/2000	CVOL	ACETONE	93		4.34	8	ug/Kg
SS102II	AJ675	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9		1.8	8	ug/Kg
SS102II	AJ675	9/25/2000	CVOL	TOLUENE	1	J	0.32	8	ug/Kg
SS102II	AJ676	9/25/2000	CL200.7	ALUMINUM (TOTAL)	8800		2.5	2.66	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	ARSENIC (TOTAL)	3.1		0.75	0.899	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	BARIUM (TOTAL)	14.6		0.878	0.878	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.3		0.0214	0.0214	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	CALCIUM (TOTAL)	160		29	36.6	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	CHROMIUM (TOTAL)	10.6		0.14	0.236	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	COBALT (TOTAL)	4.6		0.26	0.343	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	COPPER (TOTAL)	5.8	J	0.34	0.386	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	IRON (TOTAL)	11500		4.21	5.44	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	LEAD (TOTAL)	6.2		0.32	0.386	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	1620		28.1	44.5	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	MANGANESE (TOTAL)	102		0.08	0.0857	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	NICKEL (TOTAL)	5.8		0.3	0.45	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	POTASSIUM (TOTAL)	546		41.1	41.1	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	SELENIUM (TOTAL)	1.1		0.61	0.792	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	VANADIUM (TOTAL)	15		0.36	0.407	mg/Kg
SS102II	AJ676	9/25/2000	CL200.7	ZINC (TOTAL)	18.2	J	0.193	0.193	mg/Kg
SS102II	AJ676	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg
SS102II	AJ676	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86.2		0.01	0.01	mg/Kg
SS102II	AJ676	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	1870	J	0	0	mg/Kg
SS102II	AJ676	9/25/2000	CVOL	ACETONE	70	J	4.34	7	ug/Kg
SS102II	AJ676	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	7	ug/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	ALUMINUM (TOTAL)	6010		2.34	2.34	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	ARSENIC (TOTAL)	1.7		0.75	0.792	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	BARIUM (TOTAL)	20		0.773	0.773	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.0189	0.0189	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	CALCIUM (TOTAL)	662		29	32.2	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	CHROMIUM (TOTAL)	11.8		0.14	0.208	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	COBALT (TOTAL)	3.6		0.26	0.302	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	COPPER (TOTAL)	7.7		0.34	0.34	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	IRON (TOTAL)	7910		4.21	4.79	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	LEAD (TOTAL)	6.9		0.32	0.34	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	2080		28.1	39.2	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	MANGANESE (TOTAL)	94.3		0.0755	0.0755	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	NICKEL (TOTAL)	7.4		0.3	0.396	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	POTASSIUM (TOTAL)	843		36.2	36.2	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	VANADIUM (TOTAL)	14.7		0.358	0.358	mg/Kg
SS102IJ	AJ678	9/25/2000	CL200.7	ZINC (TOTAL)	18.1	J	0.17	0.17	mg/Kg
SS102IJ	AJ678	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IJ	AJ678	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	134		0.01	0.01	mg/Kg
SS102IJ	AJ678	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	6110	J	0	0	mg/Kg
SS102IJ	AJ678	9/25/2000	CVOL	ACETONE	66	J	4.34	5	ug/Kg
SS102IJ	AJ678	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8		1.8	5	ug/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	ALUMINUM (TOTAL)	6310		2.23	2.23	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	ARSENIC (TOTAL)	2.5		0.75	0.755	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	BARIUM (TOTAL)	13.1		0.737	0.737	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.21		0.018	0.018	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	CALCIUM (TOTAL)	442		29	30.7	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	CHROMIUM (TOTAL)	8.4		0.14	0.198	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	COBALT (TOTAL)	3		0.26	0.288	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	COPPER (TOTAL)	5.3	J	0.324	0.324	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	IRON (TOTAL)	7570		4.21	4.57	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	LEAD (TOTAL)	6.2		0.32	0.324	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	1320		28.1	37.4	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	MANGANESE (TOTAL)	79.7		0.0719	0.0719	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	NICKEL (TOTAL)	7.4		0.3	0.378	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	POTASSIUM (TOTAL)	657		34.5	34.5	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	SELENIUM (TOTAL)	0.68	J	0.61	0.665	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	VANADIUM (TOTAL)	12		0.342	0.342	mg/Kg
SS102IJ	AJ679	9/25/2000	CL200.7	ZINC (TOTAL)	14.6	J	0.162	0.162	mg/Kg
SS102IJ	AJ679	9/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	0.02	0.02	mg/Kg
SS102IJ	AJ679	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.01	0.01	mg/Kg
SS102IJ	AJ679	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109		0.01	0.01	mg/Kg
SS102IJ	AJ679	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3540	J	0	0	mg/Kg
SS102IJ	AJ679	9/25/2000	CVOL	ACETONE	21	J	4.34	6	ug/Kg
SS102IJ	AJ679	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	ALUMINUM (TOTAL)	19300		2.37	2.37	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	ANTIMONY (TOTAL)	0.88	J	0.5	0.88	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	ARSENIC (TOTAL)	4.6		0.75	0.804	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	BARIUM (TOTAL)	23.9		0.785	0.785	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.38		0.0192	0.0192	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	CADMIUM (TOTAL)	0.25	J	0.07	0.211	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	CALCIUM (TOTAL)	398		29	32.7	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	CHROMIUM (TOTAL)	21.6		0.14	0.211	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	COBALT (TOTAL)	5.2		0.26	0.306	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	COPPER (TOTAL)	6.3		0.34	0.345	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	IRON (TOTAL)	18200		4.21	4.86	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	LEAD (TOTAL)	10.4		0.32	0.345	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	2630		28.1	39.8	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	MANGANESE (TOTAL)	92.3		0.0766	0.0766	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	NICKEL (TOTAL)	10.8		0.3	0.402	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	POTASSIUM (TOTAL)	816		36.7	36.7	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IJ	AJ680	9/25/2000	CL200.7	VANADIUM (TOTAL)	28.5		0.36	0.364	mg/Kg
SS102IJ	AJ680	9/25/2000	CL200.7	ZINC (TOTAL)	26.6	J	0.172	0.172	mg/Kg
SS102IJ	AJ680	9/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.4	J	0.02	0.02	mg/Kg
SS102IJ	AJ680	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg
SS102IJ	AJ680	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	77.9		0.01	0.01	mg/Kg
SS102IJ	AJ680	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3780	J	0	0	mg/Kg
SS102IJ	AJ680	9/25/2000	CVOL	ACETONE	68	J	4.34	7	ug/Kg
SS102IJ	AJ680	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	7	ug/Kg
SS102IK	AJ682	9/25/2000	CL200.7	ALUMINUM (TOTAL)	4030		2.5	2.58	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	ARSENIC (TOTAL)	1.6	J	0.75	0.872	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	BARIUM (TOTAL)	9.2		0.852	0.852	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0208	0.0208	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	CALCIUM (TOTAL)	203		29	35.5	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	CHROMIUM (TOTAL)	8.2		0.14	0.229	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	COBALT (TOTAL)	2.9		0.26	0.332	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	COPPER (TOTAL)	5.4	J	0.34	0.374	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	IRON (TOTAL)	6630		4.21	5.28	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	LEAD (TOTAL)	21.3		0.32	0.374	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	761		28.1	43.2	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	MANGANESE (TOTAL)	69.6		0.08	0.0831	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	MOLYBDENUM (TOTAL)	1.2	J	0.49	0.644	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	NICKEL (TOTAL)	26.3		0.3	0.436	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	POTASSIUM (TOTAL)	340		39.8	39.8	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	VANADIUM (TOTAL)	53.6		0.36	0.395	mg/Kg
SS102IK	AJ682	9/25/2000	CL200.7	ZINC (TOTAL)	19.9	J	0.187	0.187	mg/Kg
SS102IK	AJ682	9/25/2000	CPEST	HEPTACHLOR EPOXIDE	1.2	J	0.12	1.8	ug/Kg
SS102IK	AJ682	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102IK	AJ682	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.1		0.01	0.01	mg/Kg
SS102IK	AJ682	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3060	J	0	0	mg/Kg
SS102IK	AJ682	9/25/2000	SW8270	BENZOIC ACID	44	J	44	880	ug/Kg
SS102IK	AJ682	9/25/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	350	ug/Kg
SS102IK	AJ682	9/25/2000	CVOL	ACETONE	200	J	4.34	10	ug/Kg
SS102IK	AJ682	9/25/2000	CVOL	BROMOMETHANE	1	J	0.49	10	ug/Kg
SS102IK	AJ682	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	38		1.8	10	ug/Kg
SS102IK	AJ683	9/25/2000	CL200.7	ALUMINUM (TOTAL)	3720		2.29	2.29	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	ARSENIC (TOTAL)	1.5	J	0.75	0.774	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	BARIUM (TOTAL)	8.8		0.756	0.756	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0184	0.0184	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	CALCIUM (TOTAL)	195		29	31.5	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	CHROMIUM (TOTAL)	4.9		0.14	0.203	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	COBALT (TOTAL)	2.1		0.26	0.295	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	COPPER (TOTAL)	4	J	0.332	0.332	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	IRON (TOTAL)	5580		4.21	4.68	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IK	AJ683	9/25/2000	CL200.7	LEAD (TOTAL)	8.5		0.32	0.332	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	822		28.1	38.3	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	MANGANESE (TOTAL)	61.9		0.0737	0.0737	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	NICKEL (TOTAL)	5.6		0.3	0.387	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	POTASSIUM (TOTAL)	311		35.4	35.4	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	VANADIUM (TOTAL)	15.6		0.35	0.35	mg/Kg
SS102IK	AJ683	9/25/2000	CL200.7	ZINC (TOTAL)	12.8	J	0.166	0.166	mg/Kg
SS102IK	AJ683	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg
SS102IK	AJ683	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	53.7		0.01	0.01	mg/Kg
SS102IK	AJ683	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2360	J	0	0	mg/Kg
SS102IK	AJ683	9/25/2000	CVOL	ACETONE	230	J	4.34	6	ug/Kg
SS102IK	AJ683	9/25/2000	CVOL	BENZENE	2	J	0.41	6	ug/Kg
SS102IK	AJ683	9/25/2000	CVOL	BROMOMETHANE	0.9	J	0.49	6	ug/Kg
SS102IK	AJ683	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	1.8	6	ug/Kg
SS102IK	AJ684	9/25/2000	CL200.7	ALUMINUM (TOTAL)	4070		2.5	2.53	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	BARIUM (TOTAL)	6.8		0.837	0.837	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0204	0.0204	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	CALCIUM (TOTAL)	143		29	34.9	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	CHROMIUM (TOTAL)	4.4		0.14	0.225	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	COBALT (TOTAL)	1.6		0.26	0.327	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	COPPER (TOTAL)	3.2	J	0.34	0.368	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	IRON (TOTAL)	5280		4.21	5.19	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	LEAD (TOTAL)	6.2		0.32	0.368	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	648		28.1	42.4	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	MANGANESE (TOTAL)	50.7		0.08	0.0817	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	NICKEL (TOTAL)	2.4	J	0.3	0.429	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	POTASSIUM (TOTAL)	209		39.2	39.2	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	VANADIUM (TOTAL)	7.6		0.36	0.388	mg/Kg
SS102IK	AJ684	9/25/2000	CL200.7	ZINC (TOTAL)	11.8	J	0.184	0.184	mg/Kg
SS102IK	AJ684	9/25/2000	CPEST	ENDRIN ALDEHYDE	2.4	J	0.19	3.4	ug/Kg
SS102IK	AJ684	9/25/2000	CPEST	ENDRIN KETONE	4.7	J	0.18	3.4	ug/Kg
SS102IK	AJ684	9/25/2000	CPEST	METHOXYCHLOR	14	J	1.2	18	ug/Kg
SS102IK	AJ684	9/25/2000	CPEST	P,P'-DDT	1.9	NJ	0.26	3.4	ug/Kg
SS102IK	AJ684	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg
SS102IK	AJ684	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	71.3		0.01	0.01	mg/Kg
SS102IK	AJ684	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2590	J	0	0	mg/Kg
SS102IK	AJ684	9/25/2000	CVOL	ACETONE	220	J	4.34	8	ug/Kg
SS102IK	AJ684	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	15		1.8	8	ug/Kg
SS102IL	AJ685	9/25/2000	CL200.7	ALUMINUM (TOTAL)	5380		2.44	2.44	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	ARSENIC (TOTAL)	1.5	J	0.75	0.825	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	BARIUM (TOTAL)	11.9		0.805	0.805	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.21		0.0196	0.0196	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	CALCIUM (TOTAL)	149		29	33.5	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IL	AJ685	9/25/2000	CL200.7	CHROMIUM (TOTAL)	8.2		0.14	0.216	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	COBALT (TOTAL)	2.7		0.26	0.314	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	COPPER (TOTAL)	4.8	J	0.34	0.354	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	IRON (TOTAL)	7530		4.21	4.99	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	LEAD (TOTAL)	7.1		0.32	0.354	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	1020		28.1	40.8	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	MANGANESE (TOTAL)	93		0.0786	0.0786	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	NICKEL (TOTAL)	4.1		0.3	0.413	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	POTASSIUM (TOTAL)	421		37.7	37.7	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	VANADIUM (TOTAL)	11.6		0.36	0.373	mg/Kg
SS102IL	AJ685	9/25/2000	CL200.7	ZINC (TOTAL)	14.6	J	0.177	0.177	mg/Kg
SS102IL	AJ685	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg
SS102IL	AJ685	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73.3		0.01	0.01	mg/Kg
SS102IL	AJ685	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3490	J	0	0	mg/Kg
SS102IL	AJ685	9/25/2000	CVOL	ACETONE	74	J	4.34	5	ug/Kg
SS102IL	AJ685	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6		1.8	5	ug/Kg
SS102IL	AJ686	9/25/2000	CL200.7	ALUMINUM (TOTAL)	6200		2.5	2.64	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	ARSENIC (TOTAL)	2.1		0.75	0.895	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	BARIUM (TOTAL)	12.7		0.874	0.874	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0213	0.0213	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	CADMIUM (TOTAL)	0.24	J	0.07	0.234	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	CALCIUM (TOTAL)	131		29	36.4	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	CHROMIUM (TOTAL)	7		0.14	0.234	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	COBALT (TOTAL)	3.3		0.26	0.341	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	COPPER (TOTAL)	4.5	J	0.34	0.384	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	IRON (TOTAL)	7540		4.21	5.41	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	LEAD (TOTAL)	6		0.32	0.384	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	1130		28.1	44.3	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	MANGANESE (TOTAL)	83.4		0.08	0.0853	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	NICKEL (TOTAL)	4.2		0.3	0.448	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	POTASSIUM (TOTAL)	511		40.9	40.9	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	VANADIUM (TOTAL)	11.1		0.36	0.405	mg/Kg
SS102IL	AJ686	9/25/2000	CL200.7	ZINC (TOTAL)	16.3	J	0.192	0.192	mg/Kg
SS102IL	AJ686	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg
SS102IL	AJ686	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	85.7		0.01	0.01	mg/Kg
SS102IL	AJ686	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2330	J	0	0	mg/Kg
SS102IL	AJ686	9/25/2000	CVOL	ACETONE	180	J	4.34	7	ug/Kg
SS102IL	AJ686	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8		1.8	7	ug/Kg
SS102IL	AJ687	9/25/2000	CL200.7	ALUMINUM (TOTAL)	4240		2.24	2.24	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	ARSENIC (TOTAL)	1.4	J	0.75	0.938	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	BARIUM (TOTAL)	7		0.739	0.739	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.018	0.018	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	CALCIUM (TOTAL)	56.4	J	29	30.8	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IL	AJ687	9/25/2000	CL200.7	CHROMIUM (TOTAL)	4.8		0.14	0.198	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	COBALT (TOTAL)	2.6		0.26	0.289	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	COPPER (TOTAL)	3.6	J	0.325	0.325	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	IRON (TOTAL)	5650		4.21	4.58	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	LEAD (TOTAL)	3.5		0.32	0.325	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	722		28.1	37.5	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	MANGANESE (TOTAL)	66.7		0.0721	0.0721	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	NICKEL (TOTAL)	2.8		0.3	0.379	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	POTASSIUM (TOTAL)	297		34.6	34.6	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	VANADIUM (TOTAL)	7.5		0.343	0.343	mg/Kg
SS102IL	AJ687	9/25/2000	CL200.7	ZINC (TOTAL)	9.1	J	0.162	0.162	mg/Kg
SS102IL	AJ687	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102IL	AJ687	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	91.8		0.01	0.01	mg/Kg
SS102IL	AJ687	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	985	J	0	0	mg/Kg
SS102IL	AJ687	9/25/2000	CVOL	ACETONE	14	J	4.34	8	ug/Kg
SS102IL	AJ687	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	8	ug/Kg
SS102IM	AJ688	9/25/2000	CL200.7	ALUMINUM (TOTAL)	15400		2.5	2.6	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	ARSENIC (TOTAL)	4.1		0.75	0.88	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	BARIUM (TOTAL)	32.7		0.859	0.859	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.41		0.0209	0.0209	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	CALCIUM (TOTAL)	470		29	35.8	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	CHROMIUM (TOTAL)	22.4		0.14	0.23	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	COBALT (TOTAL)	6.9		0.26	0.335	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	COPPER (TOTAL)	10		0.34	0.377	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	IRON (TOTAL)	17300		4.21	5.32	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	LEAD (TOTAL)	10.5		0.32	0.377	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	3360		28.1	43.6	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	MANGANESE (TOTAL)	146		0.08	0.0838	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	MOLYBDENUM (TOTAL)	0.65	J	0.49	0.649	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	NICKEL (TOTAL)	11.9		0.3	0.44	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	POTASSIUM (TOTAL)	1110		40.2	40.2	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	THALLIUM (TOTAL)	0.99	J	0.64	0.943	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	VANADIUM (TOTAL)	27.6		0.36	0.398	mg/Kg
SS102IM	AJ688	9/25/2000	CL200.7	ZINC (TOTAL)	31.1	J	0.189	0.189	mg/Kg
SS102IM	AJ688	9/25/2000	CPEST	HEPTACHLOR	1.3	J	0.11	2	ug/Kg
SS102IM	AJ688	9/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.9	J	0.02	0.02	mg/Kg
SS102IM	AJ688	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102IM	AJ688	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109		0.01	0.01	mg/Kg
SS102IM	AJ688	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	6920	J	0	0	mg/Kg
SS102IM	AJ688	9/25/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	41	J	41	400	ug/Kg
SS102IM	AJ688	9/25/2000	CVOL	ACETONE	37	J	4.34	8	ug/Kg
SS102IM	AJ688	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	8	ug/Kg
SS102IM	AJ689	9/25/2000	CL200.7	ALUMINUM (TOTAL)	6090		2.49	2.49	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IM	AJ689	9/25/2000	CL200.7	ARSENIC (TOTAL)	1.5	J	0.75	0.844	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	BARIUM (TOTAL)	14.1		0.824	0.824	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.19		0.0201	0.0201	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	CALCIUM (TOTAL)	276		29	34.3	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	CHROMIUM (TOTAL)	8.8		0.14	0.221	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	COBALT (TOTAL)	3		0.26	0.322	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	COPPER (TOTAL)	4.3	J	0.34	0.362	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	IRON (TOTAL)	7630		4.21	5.11	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	LEAD (TOTAL)	11		0.32	0.362	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	1430		28.1	41.8	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	MANGANESE (TOTAL)	81.1		0.08	0.0804	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	NICKEL (TOTAL)	4.7		0.3	0.422	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	POTASSIUM (TOTAL)	589		38.6	38.6	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	VANADIUM (TOTAL)	11.1		0.36	0.382	mg/Kg
SS102IM	AJ689	9/25/2000	CL200.7	ZINC (TOTAL)	15.9	J	0.181	0.181	mg/Kg
SS102IM	AJ689	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102IM	AJ689	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	62.8		0.01	0.01	mg/Kg
SS102IM	AJ689	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2720	J	0	0	mg/Kg
SS102IM	AJ689	9/25/2000	CVOL	ACETONE	23	J	4.34	7	ug/Kg
SS102IM	AJ689	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	7	ug/Kg
SS102IM	AJ690	9/25/2000	CL200.7	ALUMINUM (TOTAL)	5840		2.5	2.54	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	ARSENIC (TOTAL)	1.9		0.75	0.862	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	BARIUM (TOTAL)	10.4		0.841	0.841	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.22		0.0205	0.0205	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	CALCIUM (TOTAL)	254		29	35	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	CHROMIUM (TOTAL)	7.3		0.14	0.226	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	COBALT (TOTAL)	2.7		0.26	0.328	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	COPPER (TOTAL)	4.4	J	0.34	0.369	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	IRON (TOTAL)	7820		4.21	5.21	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	LEAD (TOTAL)	36.8		0.32	0.369	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	MAGNESIUM (TOTAL)	989		28.1	42.7	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	MANGANESE (TOTAL)	72.8		0.08	0.0821	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	NICKEL (TOTAL)	6.3		0.3	0.431	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	POTASSIUM (TOTAL)	395		39.4	39.4	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	VANADIUM (TOTAL)	23		0.36	0.39	mg/Kg
SS102IM	AJ690	9/25/2000	CL200.7	ZINC (TOTAL)	13.4	J	0.185	0.185	mg/Kg
SS102IM	AJ690	9/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	0.02	0.02	mg/Kg
SS102IM	AJ690	9/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.07		0.01	0.01	mg/Kg
SS102IM	AJ690	9/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97.8		0.01	0.01	mg/Kg
SS102IM	AJ690	9/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2650	J	0	0	mg/Kg
SS102IM	AJ690	9/25/2000	CVOL	ACETONE	22	J	4.34	8	ug/Kg
SS102IM	AJ690	9/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	8	ug/Kg
SS102IN	AJ768	9/26/2000	CL200.7	ALUMINUM (TOTAL)	7630		2.32	2.32	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IN	AJ768	9/26/2000	CL200.7	ARSENIC (TOTAL)	1.8		0.75	0.786	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	BARIUM (TOTAL)	14.4		0.768	0.768	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.26		0.0187	0.0187	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	CALCIUM (TOTAL)	235		29	32	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	CHROMIUM (TOTAL)	13.8		0.14	0.206	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	COBALT (TOTAL)	3.5		0.26	0.3	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	COPPER (TOTAL)	4.7	J	0.337	0.337	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	IRON (TOTAL)	10200		3.97	3.97	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	LEAD (TOTAL)	9.3		0.32	0.337	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1560		28.1	38.9	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	MANGANESE (TOTAL)	95.6		0.0749	0.0749	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	NICKEL (TOTAL)	7.5		0.3	0.393	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	POTASSIUM (TOTAL)	716		35.9	35.9	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	THALLIUM (TOTAL)	1.2	J	0.64	0.842	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	VANADIUM (TOTAL)	16.3		0.36	0.374	mg/Kg
SS102IN	AJ768	9/26/2000	CL200.7	ZINC (TOTAL)	17.8		0.29	0.655	mg/Kg
SS102IN	AJ768	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.01	0.01	mg/Kg
SS102IN	AJ768	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.1		0.01	0.01	mg/Kg
SS102IN	AJ768	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	2670	J	0	0	mg/Kg
SS102IN	AJ768	9/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	130	J	123	360	ug/Kg
SS102IN	AJ768	9/26/2000	CVOL	ACETONE	100	J	4.34	7	ug/Kg
SS102IN	AJ768	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	7	ug/Kg
SS102IN	AJ769	9/26/2000	CL200.7	ALUMINUM (TOTAL)	4460		2.45	2.45	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	ARSENIC (TOTAL)	1.7		0.75	0.83	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	BARIUM (TOTAL)	10.3		0.81	0.81	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0198	0.0198	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	CALCIUM (TOTAL)	145		29	33.7	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	CHROMIUM (TOTAL)	6.4		0.14	0.217	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	COBALT (TOTAL)	2.2		0.26	0.316	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	COPPER (TOTAL)	5.7	J	0.34	0.356	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	IRON (TOTAL)	6200		4.19	4.19	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	LEAD (TOTAL)	7.1		0.32	0.356	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	892		28.1	41.1	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	MANGANESE (TOTAL)	64.4		0.0791	0.0791	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	NICKEL (TOTAL)	4		0.3	0.415	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	POTASSIUM (TOTAL)	525		37.9	37.9	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	THALLIUM (TOTAL)	1.1	J	0.64	0.889	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	VANADIUM (TOTAL)	9.3		0.36	0.395	mg/Kg
SS102IN	AJ769	9/26/2000	CL200.7	ZINC (TOTAL)	13.9		0.29	0.692	mg/Kg
SS102IN	AJ769	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102IN	AJ769	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	79.1		0.01	0.01	mg/Kg
SS102IN	AJ769	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	3660	J	0	0	mg/Kg
SS102IN	AJ769	9/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	35	J	35	350	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IN	AJ769	9/26/2000	CVOL	ACETONE	120	J	4.34	6	ug/Kg
SS102IN	AJ769	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11		1.8	6	ug/Kg
SS102IN	AJ770	9/26/2000	CL200.7	ALUMINUM (TOTAL)	4220		2.32	2.32	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	ARSENIC (TOTAL)	1.5	J	0.75	0.788	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	BARIUM (TOTAL)	8.3		0.769	0.769	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0187	0.0187	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	CALCIUM (TOTAL)	81.5		29	32	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	CHROMIUM (TOTAL)	5.1		0.14	0.206	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	COBALT (TOTAL)	2.2		0.26	0.3	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	COPPER (TOTAL)	3.4	J	0.338	0.338	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	IRON (TOTAL)	5530		3.97	3.97	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	LEAD (TOTAL)	5.7		0.32	0.338	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	719		28.1	39	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	MANGANESE (TOTAL)	62.8		0.075	0.075	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	NICKEL (TOTAL)	3.8		0.3	0.394	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	POTASSIUM (TOTAL)	384		36	36	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	VANADIUM (TOTAL)	8.5		0.36	0.375	mg/Kg
SS102IN	AJ770	9/26/2000	CL200.7	ZINC (TOTAL)	10.5		0.29	0.656	mg/Kg
SS102IN	AJ770	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102IN	AJ770	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	68.2		0.01	0.01	mg/Kg
SS102IN	AJ770	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	2370	J	0	0	mg/Kg
SS102IN	AJ770	9/26/2000	CVOL	ACETONE	45	J	4.34	6	ug/Kg
SS102IN	AJ770	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	6	ug/Kg
SS102IN	AJ771	9/26/2000	CL200.7	ALUMINUM (TOTAL)	5430		2.26	2.26	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	ARSENIC (TOTAL)	1.7		0.75	0.765	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	BARIUM (TOTAL)	9		0.747	0.747	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.0182	0.0182	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	CALCIUM (TOTAL)	146		29	31.1	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	CHROMIUM (TOTAL)	6.6		0.14	0.2	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	COBALT (TOTAL)	2.7		0.26	0.291	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	COPPER (TOTAL)	3.6	J	0.328	0.328	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	IRON (TOTAL)	6360		3.86	3.86	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	LEAD (TOTAL)	8.1		0.32	0.328	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	951		28.1	37.9	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	MANGANESE (TOTAL)	71.8		0.0728	0.0728	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	NICKEL (TOTAL)	5.2		0.3	0.382	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	POTASSIUM (TOTAL)	423		34.9	34.9	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	VANADIUM (TOTAL)	10.2		0.36	0.364	mg/Kg
SS102IN	AJ771	9/26/2000	CL200.7	ZINC (TOTAL)	13.2		0.29	0.637	mg/Kg
SS102IN	AJ771	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.01	0.01	mg/Kg
SS102IN	AJ771	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	81.3		0.01	0.01	mg/Kg
SS102IN	AJ771	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	2870	J	0	0	mg/Kg
SS102IN	AJ771	9/26/2000	SW8151A	CHLORAMBEN	26	NJ	5.9	5.9	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IN	AJ771	9/26/2000	CVOL	ACETONE	65	J	4.34	8	ug/Kg
SS102IN	AJ771	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	8	ug/Kg
SS102IO	AJ723	9/26/2000	CL200.7	ALUMINUM (TOTAL)	5560		2.39	2.39	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	ARSENIC (TOTAL)	1.6		0.75	0.808	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	BARIUM (TOTAL)	24.1		0.789	0.789	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.0192	0.0192	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	CALCIUM (TOTAL)	668		29	32.8	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	CHROMIUM (TOTAL)	14.3		0.14	0.212	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	COBALT (TOTAL)	4.3		0.26	0.308	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	COPPER (TOTAL)	28.6		0.34	0.346	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	IRON (TOTAL)	8170		4.08	4.08	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	LEAD (TOTAL)	4.9		0.32	0.346	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	2300		28.1	40	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	MANGANESE (TOTAL)	95.1		0.077	0.077	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	NICKEL (TOTAL)	7.7		0.3	0.404	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	POTASSIUM (TOTAL)	968		36.9	36.9	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	THALLIUM (TOTAL)	1.1	J	0.64	0.866	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	VANADIUM (TOTAL)	14.7		0.36	0.385	mg/Kg
SS102IO	AJ723	9/26/2000	CL200.7	ZINC (TOTAL)	15.3		0.29	0.673	mg/Kg
SS102IO	AJ723	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	118		0.01	0.01	mg/Kg
SS102IO	AJ723	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1640	J	0	0	mg/Kg
SS102IO	AJ723	9/26/2000	CVOL	ACETONE	27	J	4.34	7	ug/Kg
SS102IO	AJ723	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	7	ug/Kg
SS102IO	AJ724	9/26/2000	CL200.7	ALUMINUM (TOTAL)	4040		2.36	2.36	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	ARSENIC (TOTAL)	1.3	J	0.75	0.8	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	BARIUM (TOTAL)	13.1		0.781	0.781	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.019	0.019	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	CALCIUM (TOTAL)	290		29	32.5	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	CHROMIUM (TOTAL)	7.7		0.14	0.209	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	COBALT (TOTAL)	2.6		0.26	0.305	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	COPPER (TOTAL)	3.8	J	0.34	0.343	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	IRON (TOTAL)	5720		4.04	4.04	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	LEAD (TOTAL)	3.5		0.32	0.343	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1140		28.1	39.6	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	MANGANESE (TOTAL)	66.4		0.0762	0.0762	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	NICKEL (TOTAL)	4.3		0.3	0.4	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	POTASSIUM (TOTAL)	549		36.5	36.5	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	VANADIUM (TOTAL)	9.4		0.36	0.381	mg/Kg
SS102IO	AJ724	9/26/2000	CL200.7	ZINC (TOTAL)	9.9		0.29	0.666	mg/Kg
SS102IO	AJ724	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	68.1		0.01	0.01	mg/Kg
SS102IO	AJ724	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	836	J	0	0	mg/Kg
SS102IO	AJ724	9/26/2000	CVOL	ACETONE	30	J	4.34	8	ug/Kg
SS102IO	AJ724	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	8	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102IO	AJ725	9/26/2000	CL200.7	ALUMINUM (TOTAL)	2490		2.45	2.45	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	BARIUM (TOTAL)	6.4		0.809	0.809	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.13		0.0197	0.0197	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	CALCIUM (TOTAL)	130		29	33.7	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	CHROMIUM (TOTAL)	4.3		0.14	0.217	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	COBALT (TOTAL)	1.8		0.26	0.316	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	COPPER (TOTAL)	2.5	J	0.34	0.355	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	IRON (TOTAL)	4070		4.18	4.18	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	LEAD (TOTAL)	2.6		0.32	0.355	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	658		28.1	41	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	MANGANESE (TOTAL)	56.6		0.079	0.079	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	NICKEL (TOTAL)	3		0.3	0.415	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	POTASSIUM (TOTAL)	309		37.9	37.9	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	VANADIUM (TOTAL)	6.2		0.36	0.395	mg/Kg
SS102IO	AJ725	9/26/2000	CL200.7	ZINC (TOTAL)	6.6		0.29	0.691	mg/Kg
SS102IO	AJ725	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	60.8		0.01	0.01	mg/Kg
SS102IO	AJ725	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	385	J	0	0	mg/Kg
SS102IO	AJ725	9/26/2000	CVOL	ACETONE	15	J	4.34	6	ug/Kg
SS102LA	AJ726	9/26/2000	CL200.7	ALUMINUM (TOTAL)	5980		2.45	2.45	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.75	0.831	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	BARIUM (TOTAL)	16.9		0.811	0.811	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.0198	0.0198	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	CALCIUM (TOTAL)	705		29	33.8	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	CHROMIUM (TOTAL)	15.2		0.14	0.218	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	COBALT (TOTAL)	3.5		0.26	0.316	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	COPPER (TOTAL)	25.4		0.34	0.356	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	IRON (TOTAL)	8240		4.19	4.19	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	LEAD (TOTAL)	31.2		0.32	0.356	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1730		28.1	41.1	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	MANGANESE (TOTAL)	83.3		0.0791	0.0791	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	MOLYBDENUM (TOTAL)	1	J	0.49	0.613	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	NICKEL (TOTAL)	12		0.3	0.415	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	POTASSIUM (TOTAL)	674		37.9	37.9	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	VANADIUM (TOTAL)	13.6		0.36	0.396	mg/Kg
SS102LA	AJ726	9/26/2000	CL200.7	ZINC (TOTAL)	18.2		0.29	0.692	mg/Kg
SS102LA	AJ726	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	128		0.01	0.01	mg/Kg
SS102LA	AJ726	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	3030	J	0	0	mg/Kg
SS102LA	AJ726	9/26/2000	SW8270	BENZO(A)ANTHRACENE	42	J	42	370	ug/Kg
SS102LA	AJ726	9/26/2000	SW8270	BENZO(A)PYRENE	25	J	25	370	ug/Kg
SS102LA	AJ726	9/26/2000	SW8270	BENZO(B)FLUORANTHENE	34	J	34	370	ug/Kg
SS102LA	AJ726	9/26/2000	SW8270	BENZO(K)FLUORANTHENE	46	J	46	370	ug/Kg
SS102LA	AJ726	9/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	110	J	110	370	ug/Kg
SS102LA	AJ726	9/26/2000	SW8270	CHRYSENE	49	J	49	370	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LA	AJ726	9/26/2000	SW8270	FLUORANTHENE	92	J	92	370	ug/Kg
SS102LA	AJ726	9/26/2000	SW8270	PYRENE	120	J	80	370	ug/Kg
SS102LA	AJ726	9/26/2000	CVOL	ACETONE	45	J	4.34	9	ug/Kg
SS102LA	AJ726	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	9	ug/Kg
SS102LA	AJ727	9/26/2000	CL200.7	ALUMINUM (TOTAL)	6490		2.36	2.36	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.75	0.8	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	BARIUM (TOTAL)	15.4		0.781	0.781	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.19		0.019	0.019	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	CALCIUM (TOTAL)	378		29	32.5	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	CHROMIUM (TOTAL)	10.3		0.14	0.209	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	COBALT (TOTAL)	2.7		0.26	0.305	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	COPPER (TOTAL)	13.6		0.34	0.343	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	IRON (TOTAL)	7180		4.04	4.04	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	LEAD (TOTAL)	12.3		0.32	0.343	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1270		28.1	39.6	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	MANGANESE (TOTAL)	63.8		0.0761	0.0761	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	NICKEL (TOTAL)	6		0.3	0.4	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	POTASSIUM (TOTAL)	579		36.5	36.5	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	VANADIUM (TOTAL)	12.1		0.36	0.381	mg/Kg
SS102LA	AJ727	9/26/2000	CL200.7	ZINC (TOTAL)	16.1		0.29	0.666	mg/Kg
SS102LA	AJ727	9/26/2000	CPEST	ENDRIN KETONE	3.1	J	0.18	3.5	ug/Kg
SS102LA	AJ727	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	108		0.01	0.01	mg/Kg
SS102LA	AJ727	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	2020	J	0	0	mg/Kg
SS102LA	AJ727	9/26/2000	SW8270	BENZO(A)ANTHRACENE	140	J	95	350	ug/Kg
SS102LA	AJ727	9/26/2000	SW8270	BENZO(A)PYRENE	100	J	75.8	350	ug/Kg
SS102LA	AJ727	9/26/2000	SW8270	BENZO(B)FLUORANTHENE	150	J	87	350	ug/Kg
SS102LA	AJ727	9/26/2000	SW8270	BENZO(G,H,I)PERYLENE	70	J	70	350	ug/Kg
SS102LA	AJ727	9/26/2000	SW8270	BENZO(K)FLUORANTHENE	170	J	90.2	350	ug/Kg
SS102LA	AJ727	9/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	350	ug/Kg
SS102LA	AJ727	9/26/2000	SW8270	CHRYSENE	150	J	94	350	ug/Kg
SS102LA	AJ727	9/26/2000	SW8270	DIBENZ(A,H)ANTHRACENE	50	J	50	350	ug/Kg
SS102LA	AJ727	9/26/2000	SW8270	FLUORANTHENE	260	J	94.3	350	ug/Kg
SS102LA	AJ727	9/26/2000	SW8270	INDENO(1,2,3-C,D)PYRENE	82	J	82	350	ug/Kg
SS102LA	AJ727	9/26/2000	SW8270	PYRENE	220	J	80	350	ug/Kg
SS102LA	AJ727	9/26/2000	CVOL	ACETONE	25	J	4.34	6	ug/Kg
SS102LA	AJ727	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	6	ug/Kg
SS102LA	AJ728	9/26/2000	CL200.7	ALUMINUM (TOTAL)	6540		2.48	2.48	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	ANTIMONY (TOTAL)	0.96		0.5	0.92	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	ARSENIC (TOTAL)	2.1		0.75	0.84	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	BARIUM (TOTAL)	14.7		0.82	0.82	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.23		0.02	0.02	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	CALCIUM (TOTAL)	433		29	34.1	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	CHROMIUM (TOTAL)	11.8		0.14	0.22	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LA	AJ728	9/26/2000	CL200.7	COBALT (TOTAL)	3.3		0.26	0.32	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	COPPER (TOTAL)	12.8		0.34	0.36	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	IRON (TOTAL)	8740		4.21	4.24	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	LEAD (TOTAL)	9.9		0.32	0.36	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1640		28.1	41.6	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	MANGANESE (TOTAL)	89.6		0.08	0.08	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	NICKEL (TOTAL)	7.2		0.3	0.42	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	POTASSIUM (TOTAL)	655		38.4	38.4	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	THALLIUM (TOTAL)	1.1	J	0.64	0.9	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	VANADIUM (TOTAL)	13.7		0.36	0.4	mg/Kg
SS102LA	AJ728	9/26/2000	CL200.7	ZINC (TOTAL)	15.5		0.29	0.7	mg/Kg
SS102LA	AJ728	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	110		0.01	0.01	mg/Kg
SS102LA	AJ728	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1690	J	0	0	mg/Kg
SS102LA	AJ728	9/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	33	J	33	350	ug/Kg
SS102LA	AJ728	9/26/2000	CVOL	ACETONE	23	J	4.34	6	ug/Kg
SS102LA	AJ728	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	6	ug/Kg
SS102LB	AJ729	9/26/2000	CL200.7	ALUMINUM (TOTAL)	6290	J	2.5	2.64	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	ARSENIC (TOTAL)	3	J	0.75	0.893	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	BARIUM (TOTAL)	11.8		0.872	0.872	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.22		0.0213	0.0213	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	CALCIUM (TOTAL)	433		29	36.3	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	CHROMIUM (TOTAL)	16.6	J	0.14	0.234	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	COBALT (TOTAL)	3.2		0.26	0.34	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	COPPER (TOTAL)	15.4		0.34	0.383	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	IRON (TOTAL)	9300	J	4.21	4.51	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	LEAD (TOTAL)	18		0.32	0.383	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1150		28.1	44.2	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	MANGANESE (TOTAL)	80.5	J	0.08	0.0851	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	MOLYBDENUM (TOTAL)	1.5		0.49	0.659	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	NICKEL (TOTAL)	10.7		0.3	0.723	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	POTASSIUM (TOTAL)	396		40.8	40.8	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	VANADIUM (TOTAL)	13.1		0.36	0.425	mg/Kg
SS102LB	AJ729	9/26/2000	CL200.7	ZINC (TOTAL)	19.9		0.29	0.744	mg/Kg
SS102LB	AJ729	9/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	12.8	J	0.02	0.02	mg/Kg
SS102LB	AJ729	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg
SS102LB	AJ729	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	89.3		0.01	0.01	mg/Kg
SS102LB	AJ729	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1880	J	0	0	mg/Kg
SS102LB	AJ729	9/26/2000	SW8151A	CHLORAMBEN	6.2	NJ	5.9	5.9	ug/Kg
SS102LB	AJ729	9/26/2000	CVOL	ACETONE	16	J	4.34	6	ug/Kg
SS102LB	AJ729	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	6	ug/Kg
SS102LB	AJ730	9/26/2000	CL200.7	ALUMINUM (TOTAL)	6050	J	2.3	2.3	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	ARSENIC (TOTAL)	2.8	J	0.75	0.78	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	BARIUM (TOTAL)	12.7		0.761	0.761	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LB	AJ730	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0186	0.0186	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	CALCIUM (TOTAL)	791		29	31.7	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	CHROMIUM (TOTAL)	10.9	J	0.14	0.204	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	COBALT (TOTAL)	2.7		0.26	0.297	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	COPPER (TOTAL)	23.5		0.334	0.334	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	IRON (TOTAL)	8480	J	3.93	3.93	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	LEAD (TOTAL)	33		0.32	0.334	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1090		28.1	38.6	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	MANGANESE (TOTAL)	74	J	0.0742	0.0742	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	NICKEL (TOTAL)	6.8		0.3	0.631	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	POTASSIUM (TOTAL)	388		35.6	35.6	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	SILVER (TOTAL)	0.31	J	0.17	0.297	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	VANADIUM (TOTAL)	12.3		0.36	0.371	mg/Kg
SS102LB	AJ730	9/26/2000	CL200.7	ZINC (TOTAL)	20.3		0.29	0.65	mg/Kg
SS102LB	AJ730	9/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.9	J	0.02	0.02	mg/Kg
SS102LB	AJ730	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg
SS102LB	AJ730	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	61.1		0.01	0.01	mg/Kg
SS102LB	AJ730	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	2340	J	0	0	mg/Kg
SS102LB	AJ730	9/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	8600	J	123	1800	ug/Kg
SS102LB	AJ730	9/26/2000	CVOL	ACETONE	30	J	4.34	6	ug/Kg
SS102LB	AJ730	9/26/2000	CVOL	BROMOMETHANE	2	J	0.49	6	ug/Kg
SS102LB	AJ730	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102LB	AJ731	9/26/2000	CL200.7	ALUMINUM (TOTAL)	6430	J	2.45	2.45	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	ARSENIC (TOTAL)	1.9	J	0.75	0.829	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	BARIUM (TOTAL)	24.4		0.809	0.809	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0197	0.0197	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	BORON (TOTAL)	1.2	J	0.63	1.07	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	CALCIUM (TOTAL)	2460		29	33.7	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	CHROMIUM (TOTAL)	16.4	J	0.14	0.217	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	COBALT (TOTAL)	4.5		0.26	0.316	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	COPPER (TOTAL)	23.5		0.34	0.355	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	IRON (TOTAL)	8990	J	4.19	4.19	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	LEAD (TOTAL)	29.6		0.32	0.355	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	MAGNESIUM (TOTAL)	1910		28.1	41	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	MANGANESE (TOTAL)	104	J	0.079	0.079	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	NICKEL (TOTAL)	20		0.3	0.671	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	POTASSIUM (TOTAL)	974		37.9	37.9	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	VANADIUM (TOTAL)	15.6		0.36	0.395	mg/Kg
SS102LB	AJ731	9/26/2000	CL200.7	ZINC (TOTAL)	21.8		0.29	0.691	mg/Kg
SS102LB	AJ731	9/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.4	J	0.02	0.02	mg/Kg
SS102LB	AJ731	9/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.2		0.01	0.01	mg/Kg
SS102LB	AJ731	9/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	85.1		0.01	0.01	mg/Kg
SS102LB	AJ731	9/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1680	J	0	0	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LB	AJ731	9/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	440	J	123	350	ug/Kg
SS102LB	AJ731	9/26/2000	CVOL	ACETONE	44	J	4.34	6	ug/Kg
SS102LB	AJ731	9/26/2000	CVOL	BROMOMETHANE	6		0.49	6	ug/Kg
SS102LB	AJ731	9/26/2000	CVOL	CARBON DISULFIDE	0.6	J	0.43	6	ug/Kg
SS102LB	AJ731	9/26/2000	CVOL	CHLOROMETHANE	0.6	J	0.6	6	ug/Kg
SS102LB	AJ731	9/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9		1.8	6	ug/Kg
SS102LCA	BC753	5/3/2002	CL200.7	ALUMINUM (TOTAL)	6090		3.9	3.9	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	ANTIMONY (TOTAL)	0.73	J	0.39	0.39	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	BARIUM (TOTAL)	12.2		0.75	0.75	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.33		0.02	0.02	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	BORON (TOTAL)	5.1		0.41	0.41	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	CALCIUM (TOTAL)	396		27.6	27.6	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	CHROMIUM (TOTAL)	10.4		0.26	0.26	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	COBALT (TOTAL)	2.5		0.45	0.45	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	COPPER (TOTAL)	8.8		0.3	0.3	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	IRON (TOTAL)	9110		6.9	6.9	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	LEAD (TOTAL)	6.5		0.17	0.17	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	1230		28.4	28.4	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	MANGANESE (TOTAL)	77.5		0.17	0.17	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	NICKEL (TOTAL)	6.8		0.52	0.52	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	POTASSIUM (TOTAL)	597		26.7	26.7	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	VANADIUM (TOTAL)	12.9		0.43	0.43	mg/Kg
SS102LCA	BC753	5/3/2002	CL200.7	ZINC (TOTAL)	14.6		0.19	0.19	mg/Kg
SS102LCA	BC753	5/3/2002	SW8270	PHENANTHRENE	17	J	17	370	ug/Kg
SS102LCA	BC754	5/3/2002	CL200.7	ALUMINUM (TOTAL)	8170		4.3	4.3	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	ANTIMONY (TOTAL)	0.44	J	0.42	0.42	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	ARSENIC (TOTAL)	3.5		0.51	0.51	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	BARIUM (TOTAL)	14.2		0.81	0.81	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.39		0.02	0.02	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	BORON (TOTAL)	7.1		0.44	0.44	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	CALCIUM (TOTAL)	364		29.8	29.8	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	CHROMIUM (TOTAL)	11.2		0.28	0.28	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	COBALT (TOTAL)	3.6		0.49	0.49	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	COPPER (TOTAL)	8.5		0.33	0.33	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	IRON (TOTAL)	11000		7.4	7.4	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	LEAD (TOTAL)	6.5		0.19	0.19	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	1650		30.7	30.7	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	MANGANESE (TOTAL)	118		0.19	0.19	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	NICKEL (TOTAL)	6.7		0.56	0.56	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	POTASSIUM (TOTAL)	814		28.8	28.8	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	VANADIUM (TOTAL)	14.5		0.46	0.46	mg/Kg
SS102LCA	BC754	5/3/2002	CL200.7	ZINC (TOTAL)	17.5		0.21	0.21	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	ALUMINUM (TOTAL)	2630		3.6	3.6	mg/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LCA	BC755	5/3/2002	CL200.7	ANTIMONY (TOTAL)	0.45	J	0.35	0.35	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	BARIUM (TOTAL)	5.6		0.68	0.68	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.22		0.02	0.02	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	BORON (TOTAL)	2.6		0.37	0.37	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	CALCIUM (TOTAL)	93.4		24.9	24.9	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	CHROMIUM (TOTAL)	3.8		0.23	0.23	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	COBALT (TOTAL)	2.2		0.41	0.41	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	IRON (TOTAL)	5240		6.2	6.2	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	LEAD (TOTAL)	3		0.16	0.16	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	663		25.6	25.6	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	MANGANESE (TOTAL)	76.5		0.16	0.16	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	NICKEL (TOTAL)	3.3		0.47	0.47	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	POTASSIUM (TOTAL)	326		24.1	24.1	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	VANADIUM (TOTAL)	6.2		0.39	0.39	mg/Kg
SS102LCA	BC755	5/3/2002	CL200.7	ZINC (TOTAL)	9.9		0.17	0.17	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	ALUMINUM (TOTAL)	6020		3.9	3.9	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	BARIUM (TOTAL)	11.8		0.75	0.75	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.29		0.02	0.02	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	BORON (TOTAL)	4.9		0.41	0.41	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	CALCIUM (TOTAL)	226		27.6	27.6	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	CHROMIUM (TOTAL)	8.6		0.26	0.26	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	COBALT (TOTAL)	1.9		0.45	0.45	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	COPPER (TOTAL)	10		0.3	0.3	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	IRON (TOTAL)	7610		6.9	6.9	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	LEAD (TOTAL)	5.2		0.17	0.17	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	1140		28.4	28.4	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	MANGANESE (TOTAL)	66.3		0.17	0.17	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	NICKEL (TOTAL)	5.7		0.52	0.52	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	POTASSIUM (TOTAL)	559		26.7	26.7	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	VANADIUM (TOTAL)	11.1		0.43	0.43	mg/Kg
SS102LCB	BC767	5/3/2002	CL200.7	ZINC (TOTAL)	12.6		0.19	0.19	mg/Kg
SS102LCB	BC767	5/3/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	25	J	25	370	ug/Kg
SS102LCB	BC768	5/3/2002	CL200.7	ALUMINUM (TOTAL)	8290		4	4	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	ANTIMONY (TOTAL)	0.56	J	0.39	0.39	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	ARSENIC (TOTAL)	4.1		0.48	0.48	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	BARIUM (TOTAL)	14.7		0.76	0.76	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.43		0.02	0.02	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	BORON (TOTAL)	7.9		0.41	0.41	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	CALCIUM (TOTAL)	202		27.9	27.9	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	CHROMIUM (TOTAL)	12.6		0.26	0.26	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	COBALT (TOTAL)	3		0.46	0.46	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	COPPER (TOTAL)	7.2		0.3	0.3	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	IRON (TOTAL)	11700		6.9	6.9	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LCB	BC768	5/3/2002	CL200.7	LEAD (TOTAL)	6.1		0.17	0.17	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	1920		28.7	28.7	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	MANGANESE (TOTAL)	99.6		0.17	0.17	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	NICKEL (TOTAL)	6.9		0.52	0.52	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	POTASSIUM (TOTAL)	888		27	27	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	VANADIUM (TOTAL)	16.8		0.43	0.43	mg/Kg
SS102LCB	BC768	5/3/2002	CL200.7	ZINC (TOTAL)	19.2		0.2	0.2	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	ALUMINUM (TOTAL)	3700		3.7	3.7	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	BARIUM (TOTAL)	8.2		0.7	0.7	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.27		0.02	0.02	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	BORON (TOTAL)	4.8		0.38	0.38	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	CALCIUM (TOTAL)	108		25.8	25.8	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	CHROMIUM (TOTAL)	6.1		0.24	0.24	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	COBALT (TOTAL)	2		0.42	0.42	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	IRON (TOTAL)	6830		6.4	6.4	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	LEAD (TOTAL)	3.9		0.16	0.16	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	821		26.6	26.6	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	MANGANESE (TOTAL)	79.7		0.16	0.16	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	MOLYBDENUM (TOTAL)	0.33	J	0.32	0.32	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	NICKEL (TOTAL)	3.7		0.48	0.48	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	POTASSIUM (TOTAL)	504		25	25	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	VANADIUM (TOTAL)	10.5		0.4	0.4	mg/Kg
SS102LCB	BC769	5/3/2002	CL200.7	ZINC (TOTAL)	9.9		0.18	0.18	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	ALUMINUM (TOTAL)	4760		3.5	3.5	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	ANTIMONY (TOTAL)	0.38	J	0.34	0.34	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	BARIUM (TOTAL)	11.2		0.67	0.67	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.27		0.02	0.02	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	BORON (TOTAL)	4.6		0.36	0.36	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	CALCIUM (TOTAL)	244		24.6	24.6	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	CHROMIUM (TOTAL)	9.1		0.23	0.23	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	COBALT (TOTAL)	2.7		0.4	0.4	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	COPPER (TOTAL)	9.2		0.27	0.27	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	IRON (TOTAL)	7280		6.1	6.1	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	LEAD (TOTAL)	12.1		0.15	0.15	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	1170		25.3	25.3	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	MANGANESE (TOTAL)	110		0.15	0.15	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	MOLYBDENUM (TOTAL)	0.43	J	0.31	0.31	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	NICKEL (TOTAL)	7.2		0.46	0.46	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	POTASSIUM (TOTAL)	597		23.8	23.8	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	VANADIUM (TOTAL)	9.7		0.38	0.38	mg/Kg
SS102LCC	BC770	5/3/2002	CL200.7	ZINC (TOTAL)	15.8		0.17	0.17	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	ALUMINUM (TOTAL)	6890		4	4	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	ANTIMONY (TOTAL)	0.44	J	0.39	0.39	mg/Kg

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NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LCC	BC771	5/3/2002	CL200.7	ARSENIC (TOTAL)	3.3		0.48	0.48	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	BARIUM (TOTAL)	15.7		0.76	0.76	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.39		0.02	0.02	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	BORON (TOTAL)	6.1		0.41	0.41	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	CALCIUM (TOTAL)	502		27.8	27.8	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	CHROMIUM (TOTAL)	15.8		0.26	0.26	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	COBALT (TOTAL)	2.7		0.46	0.46	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	COPPER (TOTAL)	11.7		0.3	0.3	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	IRON (TOTAL)	9590		6.9	6.9	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	LEAD (TOTAL)	11.7		0.17	0.17	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	1690		28.6	28.6	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	MANGANESE (TOTAL)	103		0.17	0.17	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	NICKEL (TOTAL)	9.1		0.52	0.52	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	POTASSIUM (TOTAL)	767		26.9	26.9	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	VANADIUM (TOTAL)	14		0.43	0.43	mg/Kg
SS102LCC	BC771	5/3/2002	CL200.7	ZINC (TOTAL)	19		0.2	0.2	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	ALUMINUM (TOTAL)	5900		3.6	3.6	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	ANTIMONY (TOTAL)	0.47	J	0.36	0.36	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	ARSENIC (TOTAL)	3		0.44	0.44	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	BARIUM (TOTAL)	12.8		0.69	0.69	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	BERYLLIUM (TOTAL)	0.38		0.02	0.02	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	BORON (TOTAL)	5.4		0.38	0.38	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	CALCIUM (TOTAL)	250		25.4	25.4	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	CHROMIUM (TOTAL)	8.3		0.24	0.24	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	COBALT (TOTAL)	3.8		0.42	0.42	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	COPPER (TOTAL)	6.7		0.28	0.28	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	IRON (TOTAL)	8790		6.3	6.3	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	LEAD (TOTAL)	6.8		0.16	0.16	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	MAGNESIUM (TOTAL)	1240		26.2	26.2	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	MANGANESE (TOTAL)	140		0.16	0.16	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	NICKEL (TOTAL)	5.3		0.48	0.48	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	POTASSIUM (TOTAL)	704		24.6	24.6	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	VANADIUM (TOTAL)	11.4		0.4	0.4	mg/Kg
SS102LCC	BC772	5/3/2002	CL200.7	ZINC (TOTAL)	14.6		0.18	0.18	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	ALUMINUM (TOTAL)	10500	J	2.5	2.99	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	ARSENIC (TOTAL)	4	J	0.75	1.01	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	BARIUM (TOTAL)	25.2		0.99	0.99	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	BERYLLIUM (TOTAL)	0.34		0.0242	0.0242	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	BORON (TOTAL)	1.6	J	0.63	1.3	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	CALCIUM (TOTAL)	767		29	41.2	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	CHROMIUM (TOTAL)	28.8	J	0.14	0.266	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	COBALT (TOTAL)	5.6		0.26	0.386	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	COPPER (TOTAL)	83.6		0.34	0.435	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LD	AJ735	9/27/2000	CL200.7	IRON (TOTAL)	14800	J	4.21	5.12	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	LEAD (TOTAL)	31.7		0.32	0.435	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	MAGNESIUM (TOTAL)	2590		28.1	50.2	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	MANGANESE (TOTAL)	155	J	0.08	0.0966	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	MOLYBDENUM (TOTAL)	2.2		0.49	0.749	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	NICKEL (TOTAL)	47.3		0.3	0.821	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	POTASSIUM (TOTAL)	986		46.3	46.3	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	VANADIUM (TOTAL)	21.5		0.36	0.483	mg/Kg
SS102LD	AJ735	9/27/2000	CL200.7	ZINC (TOTAL)	41.3		0.29	0.845	mg/Kg
SS102LD	AJ735	9/27/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.2	J	0.02	0.02	mg/Kg
SS102LD	AJ735	9/27/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.51		0.01	0.01	mg/Kg
SS102LD	AJ735	9/27/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	133		0.01	0.01	mg/Kg
SS102LD	AJ735	9/27/2000	LYDKHN	TOTAL ORGANIC CARBON	4930	J	0	0	mg/Kg
SS102LD	AJ735	9/27/2000	SW8151A	PENTACHLOROPHENOL	67		7.6	21	ug/Kg
SS102LD	AJ735	9/27/2000	SW8270	BENZO(B)FLUORANTHENE	31	J	31	410	ug/Kg
SS102LD	AJ735	9/27/2000	SW8270	BENZO(K)FLUORANTHENE	34	J	34	410	ug/Kg
SS102LD	AJ735	9/27/2000	SW8270	BENZOIC ACID	260	J	241	1000	ug/Kg
SS102LD	AJ735	9/27/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	750	J	123	410	ug/Kg
SS102LD	AJ735	9/27/2000	SW8270	CHRYSENE	40	J	40	410	ug/Kg
SS102LD	AJ735	9/27/2000	SW8270	PYRENE	47	J	47	410	ug/Kg
SS102LD	AJ735	9/27/2000	CVOL	ACETONE	76	J	4.34	8	ug/Kg
SS102LD	AJ735	9/27/2000	CVOL	BROMOMETHANE	8		0.49	8	ug/Kg
SS102LD	AJ735	9/27/2000	CVOL	CHLOROMETHANE	0.7	J	0.61	8	ug/Kg
SS102LD	AJ735	9/27/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	1.8	8	ug/Kg
SS102LD	AJ736	9/27/2000	CL200.7	ALUMINUM (TOTAL)	6540	J	2.5	2.58	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	ARSENIC (TOTAL)	3.1	J	0.75	0.873	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	BARIUM (TOTAL)	20.8		0.852	0.852	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	BERYLLIUM (TOTAL)	0.23		0.0208	0.0208	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	CADMIUM (TOTAL)	0.1	J	0.0624	0.0624	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	CALCIUM (TOTAL)	1030		29	35.5	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	CHROMIUM (TOTAL)	25.2	J	0.14	0.229	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	COBALT (TOTAL)	3.8		0.26	0.333	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	COPPER (TOTAL)	63.3		0.34	0.374	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	IRON (TOTAL)	11100	J	4.21	4.41	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	LEAD (TOTAL)	22.3		0.32	0.374	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	MAGNESIUM (TOTAL)	1780		28.1	43.2	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	MANGANESE (TOTAL)	119	J	0.08	0.0831	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	MOLYBDENUM (TOTAL)	3.5		0.49	0.644	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	NICKEL (TOTAL)	40.5		0.3	0.707	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	POTASSIUM (TOTAL)	721		39.9	39.9	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	SELENIUM (TOTAL)	0.87	J	0.61	0.769	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	VANADIUM (TOTAL)	15.8		0.36	0.416	mg/Kg
SS102LD	AJ736	9/27/2000	CL200.7	ZINC (TOTAL)	24.2		0.29	0.727	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102LD	AJ736	9/27/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.7	J	0.02	0.02	mg/Kg
SS102LD	AJ736	9/27/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg
SS102LD	AJ736	9/27/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	117		0.01	0.01	mg/Kg
SS102LD	AJ736	9/27/2000	LYDKHN	TOTAL ORGANIC CARBON	1790	J	0	0	mg/Kg
SS102LD	AJ736	9/27/2000	SW8270	BENZOIC ACID	44	J	44	920	ug/Kg
SS102LD	AJ736	9/27/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	890		123	370	ug/Kg
SS102LD	AJ736	9/27/2000	CVOL	2-HEXANONE	0.6	J	0.6	6	ug/Kg
SS102LD	AJ736	9/27/2000	CVOL	ACETONE	7	J	4.34	6	ug/Kg
SS102LD	AJ736	9/27/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	1.8	6	ug/Kg
SS102LD	AJ737	9/27/2000	CL200.7	ALUMINUM (TOTAL)	6090	J	2.5	2.55	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	ARSENIC (TOTAL)	2.6	J	0.75	0.862	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	BARIUM (TOTAL)	15.3		0.842	0.842	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	BERYLLIUM (TOTAL)	0.24		0.0205	0.0205	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	CALCIUM (TOTAL)	847		29	35	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	CHROMIUM (TOTAL)	27.8	J	0.14	0.226	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	COBALT (TOTAL)	3.5		0.26	0.329	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	COPPER (TOTAL)	313		0.34	0.37	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	IRON (TOTAL)	10500	J	4.21	4.35	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	LEAD (TOTAL)	12.9		0.32	0.37	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	MAGNESIUM (TOTAL)	1390		28.1	42.7	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	MANGANESE (TOTAL)	124	J	0.08	0.0821	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	MOLYBDENUM (TOTAL)	4.1		0.49	0.636	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	NICKEL (TOTAL)	29.7		0.3	0.698	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	POTASSIUM (TOTAL)	619		39.4	39.4	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	VANADIUM (TOTAL)	12.5		0.36	0.411	mg/Kg
SS102LD	AJ737	9/27/2000	CL200.7	ZINC (TOTAL)	26.1		0.29	0.719	mg/Kg
SS102LD	AJ737	9/27/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.5	J	0.02	0.02	mg/Kg
SS102LD	AJ737	9/27/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	116		0.01	0.01	mg/Kg
SS102LD	AJ737	9/27/2000	LYDKHN	TOTAL ORGANIC CARBON	2190	J	0	0	mg/Kg
SS102LD	AJ737	9/27/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	160	J	123	360	ug/Kg
SS102LD	AJ737	9/27/2000	CVOL	ACETONE	26	J	4.34	13	ug/Kg
SS102LD	AJ737	9/27/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	13	ug/Kg
SS102MA	AL226	10/26/2000	CL200.7	ALUMINUM (TOTAL)	2900		2.5	5.12	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	ARSENIC (TOTAL)	2	J	0.451	0.451	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	BARIUM (TOTAL)	5.1		0.541	0.541	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.03	0.0361	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	CALCIUM (TOTAL)	114		25.4	25.4	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	CHROMIUM (TOTAL)	4		0.0902	0.0902	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	COBALT (TOTAL)	1.8		0.162	0.162	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	COPPER (TOTAL)	4.3		0.235	0.235	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	IRON (TOTAL)	4900		4.21	4.22	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	LEAD (TOTAL)	3.2	J	0.289	0.289	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	646		22.9	22.9	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102MA	AL226	10/26/2000	CL200.7	MANGANESE (TOTAL)	57.9	J	0.08	0.108	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	MOLYBDENUM (TOTAL)	0.44	J	0.235	0.235	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	NICKEL (TOTAL)	3		0.3	0.307	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	POTASSIUM (TOTAL)	237		43.2	43.2	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	VANADIUM (TOTAL)	6.3		0.307	0.307	mg/Kg
SS102MA	AL226	10/26/2000	CL200.7	ZINC (TOTAL)	8.7		0.144	0.144	mg/Kg
SS102MA	AL226	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.6	J	0.02	0.02	mg/Kg
SS102MA	AL226	10/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102MA	AL226	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	60.9	J	0.01	0.01	mg/Kg
SS102MA	AL226	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1300	J	0	0	mg/Kg
SS102MA	AL226	10/26/2000	SW8151A	CHLORAMBEN	6.3	NJ	5.6	5.6	ug/Kg
SS102MA	AL226	10/26/2000	SW8151A	MCPP	24000	NJ	1365	8400	ug/Kg
SS102MA	AL226	10/26/2000	SW8151A	PICLORAM	6.8	NJ	2.9	4.8	ug/Kg
SS102MA	AL226	10/26/2000	CVOL	ACETONE	37	J	4.34	8	ug/Kg
SS102MA	AL226	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	8	ug/Kg
SS102MA	AL226	10/26/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg
SS102MA	AL227	10/26/2000	CL200.7	ALUMINUM (TOTAL)	2700		2.5	5.68	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	BARIUM (TOTAL)	5.1		0.6	0.6	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.15		0.03	0.04	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	CALCIUM (TOTAL)	39.2	J	28.2	28.2	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	CHROMIUM (TOTAL)	3.8		0.1	0.1	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	COBALT (TOTAL)	1.6		0.18	0.18	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	COPPER (TOTAL)	3.4		0.26	0.26	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	IRON (TOTAL)	4120		4.21	4.68	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	LEAD (TOTAL)	3	J	0.32	0.32	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	534		25.4	25.4	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	MANGANESE (TOTAL)	51.2	J	0.08	0.12	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	MOLYBDENUM (TOTAL)	0.32	J	0.26	0.26	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	NICKEL (TOTAL)	2.8		0.3	0.34	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	POTASSIUM (TOTAL)	271		47.2	47.9	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	VANADIUM (TOTAL)	5.6		0.34	0.34	mg/Kg
SS102MA	AL227	10/26/2000	CL200.7	ZINC (TOTAL)	7.2		0.16	0.16	mg/Kg
SS102MA	AL227	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.3	J	0.02	0.02	mg/Kg
SS102MA	AL227	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	79.7	J	0.01	0.01	mg/Kg
SS102MA	AL227	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1250	J	0	0	mg/Kg
SS102MA	AL227	10/26/2000	SW8151A	MCPP	21000	NJ	1365	8500	ug/Kg
SS102MA	AL227	10/26/2000	CVOL	ACETONE	36	J	4.34	10	ug/Kg
SS102MA	AL227	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	10	ug/Kg
SS102MA	AL227	10/26/2000	CVOL	TOLUENE	2	J	0.32	10	ug/Kg
SS102MA	AL228	10/26/2000	CL200.7	ALUMINUM (TOTAL)	2870		2.5	4.92	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	ARSENIC (TOTAL)	2.3	J	0.75	1.56	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	BARIUM (TOTAL)	5.5		0.52	0.52	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.03	0.0347	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102MA	AL228	10/26/2000	CL200.7	CALCIUM (TOTAL)	49.4		24.4	24.4	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	CHROMIUM (TOTAL)	3.8		0.0866	0.0866	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	COBALT (TOTAL)	1.7		0.156	0.156	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	COPPER (TOTAL)	2.8		0.225	0.225	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	IRON (TOTAL)	4580		4.06	4.06	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	LEAD (TOTAL)	3.2	J	0.277	0.277	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	547		22	22	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	MANGANESE (TOTAL)	49.7	J	0.08	0.104	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	MOLYBDENUM (TOTAL)	0.35	J	0.225	0.225	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	NICKEL (TOTAL)	2.5		0.295	0.295	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	POTASSIUM (TOTAL)	246		41.5	41.5	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	VANADIUM (TOTAL)	6.2		0.295	0.295	mg/Kg
SS102MA	AL228	10/26/2000	CL200.7	ZINC (TOTAL)	7.4		0.139	0.139	mg/Kg
SS102MA	AL228	10/26/2000	CPEST	ALPHA ENDOSULFAN	1.1	NJ	0.12	1.8	ug/Kg
SS102MA	AL228	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.9	J	0.02	0.02	mg/Kg
SS102MA	AL228	10/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102MA	AL228	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	68.1	J	0.01	0.01	mg/Kg
SS102MA	AL228	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	1560	J	0	0	mg/Kg
SS102MA	AL228	10/26/2000	SW8270	BENZO(A)ANTHRACENE	14	J	14	170	ug/Kg
SS102MA	AL228	10/26/2000	SW8270	BENZO(A)PYRENE	17	J	17	170	ug/Kg
SS102MA	AL228	10/26/2000	SW8270	BENZO(B)FLUORANTHENE	18	J	18	170	ug/Kg
SS102MA	AL228	10/26/2000	SW8270	BENZO(K)FLUORANTHENE	29	J	29	170	ug/Kg
SS102MA	AL228	10/26/2000	SW8270	CHRYSENE	18	J	18	170	ug/Kg
SS102MA	AL228	10/26/2000	CVOL	ACETONE	39	J	4.34	10	ug/Kg
SS102MA	AL228	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	10	ug/Kg
SS102MA	AL228	10/26/2000	CVOL	TOLUENE	3	J	0.32	10	ug/Kg
SS102MA	AL229	10/26/2000	CL200.7	ALUMINUM (TOTAL)	2550		2.5	4.4	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	ARSENIC (TOTAL)	1.7	J	0.75	1.4	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	BARIUM (TOTAL)	4.9		0.465	0.465	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.03	0.031	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	CALCIUM (TOTAL)	40.6	J	21.8	21.8	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	CHROMIUM (TOTAL)	3.7		0.0775	0.0775	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	COBALT (TOTAL)	1.7		0.14	0.14	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	COPPER (TOTAL)	2.9		0.202	0.202	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	IRON (TOTAL)	4470		3.63	3.63	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	LEAD (TOTAL)	2.9	J	0.248	0.248	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	469		19.7	19.7	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	MANGANESE (TOTAL)	50.3	J	0.08	0.093	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	MOLYBDENUM (TOTAL)	0.38	J	0.202	0.202	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	NICKEL (TOTAL)	2.5		0.264	0.264	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	POTASSIUM (TOTAL)	238		37.1	37.1	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	THALLIUM (TOTAL)	0.67		0.295	0.295	mg/Kg
SS102MA	AL229	10/26/2000	CL200.7	VANADIUM (TOTAL)	6.6		0.264	0.264	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102MA	AL229	10/26/2000	CL200.7	ZINC (TOTAL)	6.7		0.124	0.124	mg/Kg
SS102MA	AL229	10/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102MA	AL229	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80	J	0.01	0.01	mg/Kg
SS102MA	AL229	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	597	J	0	0	mg/Kg
SS102MA	AL229	10/26/2000	SW8151A	MCPP	40000	J	1365	8800	ug/Kg
SS102MA	AL229	10/26/2000	CVOL	ACETONE	34	J	4.34	8	ug/Kg
SS102MA	AL229	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	8	ug/Kg
SS102MA	AL229	10/26/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg
SS102N1	AT354	10/11/2001	CL200.7	ALUMINUM (TOTAL)	11700		1.4	1.4	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	ANTIMONY (TOTAL)	1.3	J	0.41	0.41	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	ARSENIC (TOTAL)	1.4	J	0.73	0.73	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	BARIUM (TOTAL)	124		0.75	0.75	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.23	J	0.04	0.04	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	BORON (TOTAL)	4.3	J	0.41	0.41	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	CADMIUM (TOTAL)	3.9		0.04	0.04	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	CALCIUM (TOTAL)	5600		60	60	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	CHROMIUM (TOTAL)	52.6		0.13	0.13	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	COBALT (TOTAL)	11.7		0.26	0.26	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	COPPER (TOTAL)	174		0.19	0.19	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	IRON (TOTAL)	16700		3	3	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	LEAD (TOTAL)	17.7	J	0.11	0.11	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	9690		36.6	36.6	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	MANGANESE (TOTAL)	210	J	0.11	0.11	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	NICKEL (TOTAL)	31.5		0.4	0.4	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	POTASSIUM (TOTAL)	4840		22	22	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	VANADIUM (TOTAL)	40.6		0.4	0.4	mg/Kg
SS102N1	AT354	10/11/2001	CL200.7	ZINC (TOTAL)	39.5		0.17	0.17	mg/Kg
SS102N1	AT354	10/11/2001	CVOL	ACETONE	29	J	3.81	8	ug/Kg
SS102N1	AT354	10/11/2001	CVOL	BROMOMETHANE	20		4.45	8	ug/Kg
SS102N1	AT354	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	8	ug/Kg
SS102N1	AT354	10/11/2001	CVOL	TOLUENE	0.9	J	0.9	8	ug/Kg
SS102N1	AT354	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.1	J	1.5	2.5	mg/Kg
SS102N1	AT354	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.15		0.0043	0.011	mg/Kg
SS102N1	AT354	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	626	J	1	1.8	mg/Kg
SS102N1	AT354	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	2590		0	0	mg/Kg
SS102N1	AT354	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	360	ug/Kg
SS102N1	AT355	10/11/2001	CL200.7	ALUMINUM (TOTAL)	10500		1.5	1.5	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	ANTIMONY (TOTAL)	1.5	J	0.44	0.44	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	ARSENIC (TOTAL)	1.5	J	0.78	0.78	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	BARIUM (TOTAL)	108		0.8	0.8	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.27		0.04	0.04	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	BORON (TOTAL)	3.9	J	0.44	0.44	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	CADMIUM (TOTAL)	1		0.04	0.04	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102N1	AT355	10/11/2001	CL200.7	CALCIUM (TOTAL)	3810		64	64	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	CHROMIUM (TOTAL)	47.5		0.14	0.14	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	COBALT (TOTAL)	10.3		0.28	0.28	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	COPPER (TOTAL)	86.2		0.2	0.2	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	IRON (TOTAL)	16000		3.2	3.2	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	LEAD (TOTAL)	10.5	J	0.12	0.12	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	8660		39.1	39.1	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	MANGANESE (TOTAL)	194	J	0.12	0.12	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	NICKEL (TOTAL)	24.2		0.42	0.42	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	POTASSIUM (TOTAL)	4410		23.5	23.5	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	VANADIUM (TOTAL)	36.5		0.42	0.42	mg/Kg
SS102N1	AT355	10/11/2001	CL200.7	ZINC (TOTAL)	35.7		0.18	0.18	mg/Kg
SS102N1	AT355	10/11/2001	CVOL	ACETONE	15	J	3.81	9	ug/Kg
SS102N1	AT355	10/11/2001	CVOL	BROMOFORM	0.9	J	0.9	9	ug/Kg
SS102N1	AT355	10/11/2001	CVOL	BROMOMETHANE	4	J	4	9	ug/Kg
SS102N1	AT355	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	9	ug/Kg
SS102N1	AT355	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.029		0.0043	0.011	mg/Kg
SS102N1	AT355	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	664	J	1	2.1	mg/Kg
SS102N1	AT355	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	4340		0	0	mg/Kg
SS102N1	AT355	10/11/2001	SW8270	BENZOIC ACID	17	J	17	890	ug/Kg
SS102N1	AT355	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	350	ug/Kg
SS102N1	AT356	10/11/2001	CL200.7	ALUMINUM (TOTAL)	8860		1.6	1.6	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.73	J	0.46	0.46	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	ARSENIC (TOTAL)	2.3	J	0.81	0.81	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	BARIUM (TOTAL)	70.5		0.83	0.83	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.31		0.04	0.04	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	BORON (TOTAL)	3.6	J	0.46	0.46	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	CADMIUM (TOTAL)	1.6		0.04	0.04	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	CALCIUM (TOTAL)	3280		66.2	66.2	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	CHROMIUM (TOTAL)	34.6		0.15	0.15	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	COBALT (TOTAL)	7.9		0.29	0.29	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	COPPER (TOTAL)	52.4		0.21	0.21	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	IRON (TOTAL)	13100		3.3	3.3	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	LEAD (TOTAL)	8.8	J	0.12	0.12	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	5750		40.4	40.4	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	MANGANESE (TOTAL)	163	J	0.12	0.12	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	NICKEL (TOTAL)	18.3		0.44	0.44	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	POTASSIUM (TOTAL)	2870	J	24.3	24.3	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	VANADIUM (TOTAL)	27.7		0.44	0.44	mg/Kg
SS102N1	AT356	10/11/2001	CL200.7	ZINC (TOTAL)	26.2		0.19	0.19	mg/Kg
SS102N1	AT356	10/11/2001	CVOL	ACETONE	12	J	3.81	8	ug/Kg
SS102N1	AT356	10/11/2001	CVOL	BROMOMETHANE	5	J	4.45	8	ug/Kg
SS102N1	AT356	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102N1	AT356	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	1.5	2.5	mg/Kg
SS102N1	AT356	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.015		0.0043	0.011	mg/Kg
SS102N1	AT356	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	625	J	1	1.5	mg/Kg
SS102N1	AT356	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	2190		0	0	mg/Kg
SS102N1	AT356	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	27	J	27	350	ug/Kg
SS102N1	BK273	11/5/2002	ASA245	PHOSPHORUS, TOTAL (AS P)	0.92	J	0.5	0.5	ug/Kg
SS102N2	AT358	10/11/2001	CL200.7	ALUMINUM (TOTAL)	6940		1.7	1.7	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	ANTIMONY (TOTAL)	2.4	J	0.49	0.49	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	ARSENIC (TOTAL)	5.1	J	0.87	0.87	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	BARIUM (TOTAL)	38.4		0.9	0.9	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.43		0.04	0.04	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	BORON (TOTAL)	9.8	J	0.49	0.49	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	CADMIUM (TOTAL)	117		0.04	0.04	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	CALCIUM (TOTAL)	44300		71.5	71.5	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	CHROMIUM (TOTAL)	157		0.16	0.16	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	COBALT (TOTAL)	6.5		0.31	0.31	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	COPPER (TOTAL)	1120		0.22	0.22	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	IRON (TOTAL)	23500		3.5	3.5	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	LEAD (TOTAL)	25.2	J	0.13	0.13	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	2540		43.6	43.6	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	MANGANESE (TOTAL)	213	J	0.13	0.13	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	MOLYBDENUM (TOTAL)	24.9		0.2	0.2	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	NICKEL (TOTAL)	141		0.47	0.47	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	POTASSIUM (TOTAL)	835	J	26.2	26.2	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	SILVER (TOTAL)	1.5		0.13	0.13	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	VANADIUM (TOTAL)	17.3		0.47	0.47	mg/Kg
SS102N2	AT358	10/11/2001	CL200.7	ZINC (TOTAL)	38.6		0.2	0.2	mg/Kg
SS102N2	AT358	10/11/2001	CL335.2	CYANIDE	0.69		0.29	0.51	mg/Kg
SS102N2	AT358	10/11/2001	CVOL	ACETONE	20	J	3.81	13	ug/Kg
SS102N2	AT358	10/11/2001	CVOL	BENZENE	2	J	2	13	ug/Kg
SS102N2	AT358	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	13	ug/Kg
SS102N2	AT358	10/11/2001	CVOL	TOLUENE	2	J	2	13	ug/Kg
SS102N2	AT358	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	1.5	2.6	mg/Kg
SS102N2	AT358	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	65.7	J	1	1.9	mg/Kg
SS102N2	AT358	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	4640		0	0	mg/Kg
SS102N2	AT358	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	95	J	95	370	ug/Kg
SS102N2	AT358	10/11/2001	SW8270	DI-N-BUTYL PHTHALATE	2400		71.5	370	ug/Kg
SS102N2	AT358	10/11/2001	SW8270	FLUORANTHENE	27	J	27	370	ug/Kg
SS102N2	AT358	10/11/2001	SW8270	PHENANTHRENE	17	J	17	370	ug/Kg
SS102N2	AT358	10/11/2001	SW8270	PYRENE	55	J	43.2	370	ug/Kg
SS102N2	AT359	10/11/2001	CL200.7	ALUMINUM (TOTAL)	9880		1.3	1.3	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.95	J	0.38	0.38	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	ARSENIC (TOTAL)	4.3	J	0.68	0.68	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102N2	AT359	10/11/2001	CL200.7	BARIUM (TOTAL)	35.8		0.7	0.7	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.43		0.03	0.03	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	BORON (TOTAL)	13.7	J	0.38	0.38	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	CADMIUM (TOTAL)	51.7		0.03	0.03	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	CALCIUM (TOTAL)	27800		55.8	55.8	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	CHROMIUM (TOTAL)	35.5		0.12	0.12	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	COBALT (TOTAL)	5.3		0.24	0.24	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	COPPER (TOTAL)	625		0.17	0.17	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	IRON (TOTAL)	12600		2.7	2.7	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	LEAD (TOTAL)	30.7	J	0.1	0.1	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	2610		34	34	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	MANGANESE (TOTAL)	123	J	0.1	0.1	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	MOLYBDENUM (TOTAL)	2.1		0.16	0.16	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	NICKEL (TOTAL)	51.2		0.37	0.37	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	POTASSIUM (TOTAL)	902	J	20.5	20.5	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	SILVER (TOTAL)	2.5		0.1	0.1	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	VANADIUM (TOTAL)	21.3		0.37	0.37	mg/Kg
SS102N2	AT359	10/11/2001	CL200.7	ZINC (TOTAL)	31.1		0.16	0.16	mg/Kg
SS102N2	AT359	10/11/2001	CVOL	ACETONE	14	J	3.81	8	ug/Kg
SS102N2	AT359	10/11/2001	CVOL	BENZENE	0.9	J	0.9	8	ug/Kg
SS102N2	AT359	10/11/2001	CVOL	BROMOMETHANE	2	J	2	8	ug/Kg
SS102N2	AT359	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	8	ug/Kg
SS102N2	AT359	10/11/2001	CVOL	TOLUENE	0.8	J	0.8	8	ug/Kg
SS102N2	AT359	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	1.5	2.4	mg/Kg
SS102N2	AT359	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.057		0.0043	0.011	mg/Kg
SS102N2	AT359	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	84	J	1	1.9	mg/Kg
SS102N2	AT359	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	3090		0	0	mg/Kg
SS102N2	AT359	10/11/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	53	J	53	370	ug/Kg
SS102N2	AT359	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	25	J	25	370	ug/Kg
SS102N2	AT359	10/11/2001	SW8270	DI-N-BUTYL PHTHALATE	30	J	30	370	ug/Kg
SS102N2	AT359	10/11/2001	SW8270	FLUORANTHENE	30	J	30	370	ug/Kg
SS102N2	AT359	10/11/2001	SW8270	PHENANTHRENE	36	J	36	370	ug/Kg
SS102N2	AT359	10/11/2001	SW8270	PYRENE	56	J	43.2	370	ug/Kg
SS102N2	AT360	10/11/2001	CL200.7	ALUMINUM (TOTAL)	7660		1.6	1.6	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.85	J	0.46	0.46	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	ARSENIC (TOTAL)	2.5	J	0.81	0.81	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	BARIUM (TOTAL)	30		0.83	0.83	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.34		0.04	0.04	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	BORON (TOTAL)	7	J	0.46	0.46	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	CADMIUM (TOTAL)	36		0.04	0.04	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	CALCIUM (TOTAL)	16300		66.5	66.5	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	CHROMIUM (TOTAL)	32.4		0.15	0.15	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	COBALT (TOTAL)	5.9		0.29	0.29	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102N2	AT360	10/11/2001	CL200.7	COPPER (TOTAL)	503		0.21	0.21	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	IRON (TOTAL)	10200		3.3	3.3	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	LEAD (TOTAL)	23.6	J	0.12	0.12	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	1650		40.5	40.5	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	MANGANESE (TOTAL)	117	J	0.12	0.12	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	MOLYBDENUM (TOTAL)	2.5		0.19	0.19	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	NICKEL (TOTAL)	55.2		0.44	0.44	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	POTASSIUM (TOTAL)	832	J	24.4	24.4	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	SILVER (TOTAL)	1		0.12	0.12	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	VANADIUM (TOTAL)	15.4		0.44	0.44	mg/Kg
SS102N2	AT360	10/11/2001	CL200.7	ZINC (TOTAL)	26.5		0.19	0.19	mg/Kg
SS102N2	AT360	10/11/2001	CVOL	ACETONE	22	J	3.81	9	ug/Kg
SS102N2	AT360	10/11/2001	CVOL	BENZENE	0.9	J	0.9	9	ug/Kg
SS102N2	AT360	10/11/2001	CVOL	BROMOMETHANE	6	J	4.45	9	ug/Kg
SS102N2	AT360	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	9	ug/Kg
SS102N2	AT360	10/11/2001	CVOL	TOLUENE	1	J	1	9	ug/Kg
SS102N2	AT360	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.4	J	1.5	2.4	mg/Kg
SS102N2	AT360	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.071		0.0043	0.011	mg/Kg
SS102N2	AT360	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	85.2	J	1	1.8	mg/Kg
SS102N2	AT360	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	2410		0	0	mg/Kg
SS102N2	AT360	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	31	J	31	370	ug/Kg
SS102N2	AT360	10/11/2001	SW8270	DI-N-BUTYL PHTHALATE	19	J	19	370	ug/Kg
SS102N2	AT360	10/11/2001	SW8270	FLUORANTHENE	20	J	20	370	ug/Kg
SS102N2	AT360	10/11/2001	SW8270	PHENANTHRENE	23	J	23	370	ug/Kg
SS102N2	AT360	10/11/2001	SW8270	PYRENE	34	J	34	370	ug/Kg
SS102NAA	BC919	5/6/2002	CL200.7	ALUMINUM (TOTAL)	9820		3.9	3.9	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	ARSENIC (TOTAL)	3.6		0.47	0.47	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	BARIUM (TOTAL)	15.7		1.3	1.3	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	BERYLLIUM (TOTAL)	0.27	J	0.02	0.02	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	BORON (TOTAL)	4.3		0.41	0.41	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	CADMIUM (TOTAL)	0.33		0.1	0.11	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	CALCIUM (TOTAL)	553		27.4	27.4	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	CHROMIUM (TOTAL)	13.2		0.26	0.26	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	COBALT (TOTAL)	4.3		0.62	0.62	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	COPPER (TOTAL)	12.7	J	0.3	0.3	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	IRON (TOTAL)	12000		6.8	6.8	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	LEAD (TOTAL)	14.7		0.17	0.17	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	MAGNESIUM (TOTAL)	1730		28.2	28.2	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	MANGANESE (TOTAL)	116		0.11	0.11	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	MOLYBDENUM (TOTAL)	1		0.34	0.34	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	NICKEL (TOTAL)	8.4		0.6	0.6	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	POTASSIUM (TOTAL)	724		58.4	58.4	mg/Kg
SS102NAA	BC919	5/6/2002	CL200.7	VANADIUM (TOTAL)	20.5		0.43	0.43	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NAA	BC919	5/6/2002	CL200.7	ZINC (TOTAL)	22.7	J	0.21	0.21	mg/Kg
SS102NAA	BC919	5/6/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	380	ug/Kg
SS102NAA	BC922	5/6/2002	CL200.7	ALUMINUM (TOTAL)	9640		3.8	3.8	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	ARSENIC (TOTAL)	4.4		0.45	0.45	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	BARIUM (TOTAL)	14.8		1.3	1.3	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	BERYLLIUM (TOTAL)	0.28	J	0.02	0.02	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	BORON (TOTAL)	5.1		0.39	0.39	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	CADMIUM (TOTAL)	0.12	J	0.1	0.1	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	CALCIUM (TOTAL)	661		26.3	26.3	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	CHROMIUM (TOTAL)	13.7		0.25	0.25	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	COBALT (TOTAL)	3.5		0.6	0.6	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	COPPER (TOTAL)	8	J	0.29	0.29	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	IRON (TOTAL)	10700		6.6	6.6	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	LEAD (TOTAL)	10.1		0.16	0.16	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	MAGNESIUM (TOTAL)	1320		27.1	27.1	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	MANGANESE (TOTAL)	81.5		0.1	0.1	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	MOLYBDENUM (TOTAL)	0.56	J	0.33	0.33	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	NICKEL (TOTAL)	7.2		0.58	0.58	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	POTASSIUM (TOTAL)	698		56.1	56.1	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	VANADIUM (TOTAL)	22.1		0.41	0.41	mg/Kg
SS102NAA	BC922	5/6/2002	CL200.7	ZINC (TOTAL)	16.1	J	0.21	0.21	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	ALUMINUM (TOTAL)	9130		4.1	4.1	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	BARIUM (TOTAL)	14.2		1.4	1.4	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	BERYLLIUM (TOTAL)	0.23	J	0.02	0.02	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	BORON (TOTAL)	5.2		0.43	0.43	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	CADMIUM (TOTAL)	0.15	J	0.1	0.11	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	CALCIUM (TOTAL)	665		28.9	28.9	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	CHROMIUM (TOTAL)	11.8		0.27	0.27	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	COBALT (TOTAL)	3.8		0.65	0.65	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	COPPER (TOTAL)	7.9	J	0.32	0.32	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	IRON (TOTAL)	11000		7.2	7.2	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	LEAD (TOTAL)	8.8		0.18	0.18	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	MAGNESIUM (TOTAL)	1320		29.8	29.8	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	MANGANESE (TOTAL)	84.7		0.11	0.11	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	MOLYBDENUM (TOTAL)	0.63	J	0.36	0.36	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	NICKEL (TOTAL)	7.8		0.63	0.63	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	POTASSIUM (TOTAL)	696		61.6	61.6	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	VANADIUM (TOTAL)	22.4		0.45	0.45	mg/Kg
SS102NAA	BC925	5/6/2002	CL200.7	ZINC (TOTAL)	17.6	J	0.23	0.23	mg/Kg
SS102NAA	BC927	5/6/2002	SW8321	1,4-BIS(P-TOLUIDINO)ANTHRAQUINONE	62	J	0.5	120	ug/Kg
SS102NAA	BC928	5/6/2002	CL200.7	ALUMINUM (TOTAL)	9000		4.1	4.1	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	BARIUM (TOTAL)	13.4		1.4	1.4	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	BERYLLIUM (TOTAL)	0.25	J	0.02	0.02	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NAA	BC928	5/6/2002	CL200.7	BORON (TOTAL)	5.1		0.43	0.43	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	CADMIUM (TOTAL)	0.14	J	0.1	0.11	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	CALCIUM (TOTAL)	616		28.8	28.8	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	CHROMIUM (TOTAL)	11.6		0.27	0.27	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	COBALT (TOTAL)	3.5		0.65	0.65	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	COPPER (TOTAL)	5.9	J	0.31	0.31	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	IRON (TOTAL)	10500		7.2	7.2	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	LEAD (TOTAL)	10.9		0.18	0.18	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	MAGNESIUM (TOTAL)	1250		29.7	29.7	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	MANGANESE (TOTAL)	108		0.11	0.11	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	MOLYBDENUM (TOTAL)	0.68	J	0.36	0.36	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	NICKEL (TOTAL)	5.8		0.63	0.63	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	POTASSIUM (TOTAL)	695		61.4	61.4	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	VANADIUM (TOTAL)	16.8		0.45	0.45	mg/Kg
SS102NAA	BC928	5/6/2002	CL200.7	ZINC (TOTAL)	16.1	J	0.22	0.22	mg/Kg
SS102NAA	BC928	5/6/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	36	J	36	370	ug/Kg
SS102NAA	BC930	5/6/2002	SW8321	1,4-BIS(P-TOLUIDINO)ANTHRAQUINONE	60	J	0.5	120	ug/Kg
SS102NAA	BC945	5/6/2002	CL200.7	ALUMINUM (TOTAL)	15800		4.6	4.6	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	ARSENIC (TOTAL)	5		0.55	0.55	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	BARIUM (TOTAL)	20.1		1.6	1.6	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	BERYLLIUM (TOTAL)	0.32	J	0.02	0.02	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	BORON (TOTAL)	7.4		0.47	0.47	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	CADMIUM (TOTAL)	0.15	J	0.1	0.12	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	CALCIUM (TOTAL)	968		32	32	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	CHROMIUM (TOTAL)	18.6		0.3	0.3	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	COBALT (TOTAL)	4.4		0.72	0.72	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	COPPER (TOTAL)	6.4	J	0.35	0.35	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	IRON (TOTAL)	17100		8	8	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	LEAD (TOTAL)	10.9		0.2	0.2	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	MAGNESIUM (TOTAL)	1580		33	33	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	MANGANESE (TOTAL)	80.4		0.12	0.12	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	MOLYBDENUM (TOTAL)	0.51	J	0.4	0.4	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	NICKEL (TOTAL)	8.5		0.7	0.7	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	POTASSIUM (TOTAL)	863		68.2	68.2	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	VANADIUM (TOTAL)	23.7		0.5	0.5	mg/Kg
SS102NAA	BC945	5/6/2002	CL200.7	ZINC (TOTAL)	19.5	J	0.25	0.25	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	ALUMINUM (TOTAL)	6160		2.49	2.49	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	ARSENIC (TOTAL)	1.3	J	0.75	0.845	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	BARIUM (TOTAL)	43.8		0.824	0.824	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.23		0.0201	0.0201	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	CADMIUM (TOTAL)	1.6		0.0603	0.0603	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	CALCIUM (TOTAL)	1160		29	34.3	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	CHROMIUM (TOTAL)	20.1	J	0.14	0.221	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL157	10/25/2000	CL200.7	COBALT (TOTAL)	5.2		0.26	0.322	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	COPPER (TOTAL)	36	J	0.34	0.362	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	IRON (TOTAL)	9590		4.21	4.26	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	LEAD (TOTAL)	49.7		0.32	0.362	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	3240		28.1	41.8	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	MANGANESE (TOTAL)	97		0.08	0.0804	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	NICKEL (TOTAL)	12.2		0.3	0.684	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	POTASSIUM (TOTAL)	1630		36.5	36.5	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	TITANIUM	407	J	0.201	0.201	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	VANADIUM (TOTAL)	19		0.36	0.402	mg/Kg
SS102NB	AL157	10/25/2000	CL200.7	ZINC (TOTAL)	21.5		0.29	0.704	mg/Kg
SS102NB	AL157	10/25/2000	CVOL	ACETONE	61	J	4.34	6	ug/Kg
SS102NB	AL157	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	1.8	6	ug/Kg
SS102NB	AL157	10/25/2000	CVOL	TOLUENE	2	J	0.32	6	ug/Kg
SS102NB	AL157	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.9	J	0.02	0.02	mg/Kg
SS102NB	AL157	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.18	J	0.01	0.01	mg/Kg
SS102NB	AL157	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	104	J	0.01	0.01	mg/Kg
SS102NB	AL157	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	4710	J	0	0	mg/Kg
SS102NB	AL157	10/25/2000	SW8270	DI-N-BUTYL PHTHALATE	41	J	41	360	ug/Kg
SS102NB	AL158	10/25/2000	CL200.7	ALUMINUM (TOTAL)	5970		2.5	2.62	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	ARSENIC (TOTAL)	3.4		0.75	0.887	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	BARIUM (TOTAL)	9.6		0.865	0.865	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.26		0.0211	0.0211	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	CALCIUM (TOTAL)	526		29	36	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	CHROMIUM (TOTAL)	7.4	J	0.14	0.232	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	COBALT (TOTAL)	2.8		0.26	0.338	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	COPPER (TOTAL)	8	J	0.34	0.38	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	IRON (TOTAL)	8630		4.21	4.47	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	LEAD (TOTAL)	7.7		0.32	0.38	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	882		28.1	43.9	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	MANGANESE (TOTAL)	74.7		0.08	0.0844	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	NICKEL (TOTAL)	4.4		0.3	0.718	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	TITANIUM	236	J	0.211	0.211	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	VANADIUM (TOTAL)	14		0.36	0.422	mg/Kg
SS102NB	AL158	10/25/2000	CL200.7	ZINC (TOTAL)	11.3		0.29	0.739	mg/Kg
SS102NB	AL158	10/25/2000	CVOL	ACETONE	76	J	4.34	6	ug/Kg
SS102NB	AL158	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	6	ug/Kg
SS102NB	AL158	10/25/2000	CVOL	TOLUENE	0.7	J	0.32	6	ug/Kg
SS102NB	AL158	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.05	J	0.01	0.01	mg/Kg
SS102NB	AL158	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	78.9	J	0.01	0.01	mg/Kg
SS102NB	AL158	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2580	J	0	0	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	ALUMINUM (TOTAL)	9540		2.5	2.73	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	ANTIMONY (TOTAL)	1.5	J	0.5	1.01	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL159	10/25/2000	CL200.7	ARSENIC (TOTAL)	2.5		0.75	0.925	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	BARIUM (TOTAL)	56.8		0.903	0.903	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.24		0.022	0.022	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	CADMIUM (TOTAL)	16.6		0.066	0.066	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	CALCIUM (TOTAL)	7280		29	37.6	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	CHROMIUM (TOTAL)	77	J	0.14	0.242	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	COBALT (TOTAL)	7.4		0.26	0.352	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	COPPER (TOTAL)	2080	J	0.34	0.396	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	IRON (TOTAL)	13600		4.21	4.67	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	LEAD (TOTAL)	52.6		0.32	0.396	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	3850		28.1	45.8	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	MANGANESE (TOTAL)	136		0.08	0.0881	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	MOLYBDENUM (TOTAL)	3.9		0.49	0.683	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	NICKEL (TOTAL)	56.5		0.3	0.749	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	POTASSIUM (TOTAL)	1380		40	40	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	SILVER (TOTAL)	1.2		0.17	0.352	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	THALLIUM (TOTAL)	1.2	J	0.64	0.991	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	TITANIUM	481	J	0.22	0.22	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	VANADIUM (TOTAL)	22.7		0.36	0.44	mg/Kg
SS102NB	AL159	10/25/2000	CL200.7	ZINC (TOTAL)	42.3		0.29	0.771	mg/Kg
SS102NB	AL159	10/25/2000	CPEST	DIELDRIN	2.6	J	0.21	3.7	ug/Kg
SS102NB	AL159	10/25/2000	CVOL	ACETONE	29	J	4.34	6	ug/Kg
SS102NB	AL159	10/25/2000	CVOL	BENZENE	0.9	J	0.41	6	ug/Kg
SS102NB	AL159	10/25/2000	CVOL	BROMOMETHANE	14		0.49	6	ug/Kg
SS102NB	AL159	10/25/2000	CVOL	CHLOROMETHANE	3	J	0.61	6	ug/Kg
SS102NB	AL159	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	6	ug/Kg
SS102NB	AL159	10/25/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg
SS102NB	AL159	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	20.4	J	0.02	0.02	mg/Kg
SS102NB	AL159	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.05	J	0.01	0.01	mg/Kg
SS102NB	AL159	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	82.7	J	0.01	0.01	mg/Kg
SS102NB	AL159	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3300	J	0	0	mg/Kg
SS102NB	AL159	10/25/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	26	370	ug/Kg
SS102NB	AL159	10/25/2000	SW8270	DI-N-BUTYL PHTHALATE	83	J	83	370	ug/Kg
SS102NB	AL160	10/25/2000	CL200.7	ALUMINUM (TOTAL)	10000		2.3	2.3	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	ANTIMONY (TOTAL)	1.5	J	0.5	0.854	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	ARSENIC (TOTAL)	1.6		0.75	0.78	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	BARIUM (TOTAL)	89.4		0.761	0.761	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.0186	0.0186	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	CADMIUM (TOTAL)	3.8		0.0557	0.0557	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	CALCIUM (TOTAL)	2570		29	31.7	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	CHROMIUM (TOTAL)	37.3	J	0.14	0.204	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	COBALT (TOTAL)	9		0.26	0.297	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	COPPER (TOTAL)	85.2	J	0.334	0.334	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL160	10/25/2000	CL200.7	IRON (TOTAL)	14000		3.94	3.94	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	LEAD (TOTAL)	17.8		0.32	0.334	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	5870		28.1	38.6	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	MANGANESE (TOTAL)	161		0.0743	0.0743	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	NICKEL (TOTAL)	21.4		0.3	0.631	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	POTASSIUM (TOTAL)	3180		33.7	33.7	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	SILVER (TOTAL)	0.63		0.17	0.297	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	THALLIUM (TOTAL)	1	J	0.64	0.836	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	TITANIUM	681	J	0.186	0.186	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	VANADIUM (TOTAL)	28.4		0.36	0.371	mg/Kg
SS102NB	AL160	10/25/2000	CL200.7	ZINC (TOTAL)	30.4		0.29	0.65	mg/Kg
SS102NB	AL160	10/25/2000	CVOL	ACETONE	46	J	4.34	6	ug/Kg
SS102NB	AL160	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	1.8	6	ug/Kg
SS102NB	AL160	10/25/2000	CVOL	TOLUENE	2	J	0.32	6	ug/Kg
SS102NB	AL160	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	10.7	J	0.02	0.02	mg/Kg
SS102NB	AL160	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06	J	0.01	0.01	mg/Kg
SS102NB	AL160	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97.7	J	0.01	0.01	mg/Kg
SS102NB	AL160	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3620	J	0	0	mg/Kg
SS102NB	AL160	10/25/2000	SW8270	DI-N-BUTYL PHTHALATE	18	J	18	370	ug/Kg
SS102NB	AL161	10/25/2000	CL200.7	ALUMINUM (TOTAL)	9780		2.23	2.23	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	ANTIMONY (TOTAL)	1.5	J	0.5	0.829	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	ARSENIC (TOTAL)	2		0.75	0.757	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	BARIUM (TOTAL)	73.9		0.739	0.739	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.19		0.018	0.018	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	CADMIUM (TOTAL)	4.3		0.0541	0.0541	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	CALCIUM (TOTAL)	2180		29	30.8	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	CHROMIUM (TOTAL)	146	J	0.14	0.198	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	COBALT (TOTAL)	9		0.26	0.288	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	COPPER (TOTAL)	93.3	J	0.324	0.324	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	IRON (TOTAL)	13900		3.82	3.82	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	LEAD (TOTAL)	15.4		0.32	0.324	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	5150		28.1	37.5	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	MANGANESE (TOTAL)	139		0.0721	0.0721	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	MOLYBDENUM (TOTAL)	1.1	J	0.49	0.559	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	NICKEL (TOTAL)	54.2		0.3	0.613	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	POTASSIUM (TOTAL)	2440		32.7	32.7	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	SILVER (TOTAL)	0.37	J	0.17	0.288	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	TITANIUM	599	J	0.18	0.18	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	VANADIUM (TOTAL)	26.9		0.36	0.36	mg/Kg
SS102NB	AL161	10/25/2000	CL200.7	ZINC (TOTAL)	29.6		0.29	0.631	mg/Kg
SS102NB	AL161	10/25/2000	CVOL	ACETONE	32	J	4.34	6	ug/Kg
SS102NB	AL161	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	1.8	6	ug/Kg
SS102NB	AL161	10/25/2000	CVOL	TOLUENE	2	J	0.32	6	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL161	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.9	J	0.02	0.02	mg/Kg
SS102NB	AL161	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.07	J	0.01	0.01	mg/Kg
SS102NB	AL161	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	94	J	0.01	0.01	mg/Kg
SS102NB	AL161	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3850	J	0	0	mg/Kg
SS102NB	AL161	10/25/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	15	J	15	340	ug/Kg
SS102NB	AL161	10/25/2000	SW8270	DI-N-BUTYL PHTHALATE	28	J	28	340	ug/Kg
SS102NB	AL162	10/25/2000	CL200.7	ALUMINUM (TOTAL)	9090		2.5	2.63	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	ANTIMONY (TOTAL)	1.5	J	0.5	0.974	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	ARSENIC (TOTAL)	1.7	J	0.75	0.89	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	BARIUM (TOTAL)	68		0.868	0.868	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.22		0.0212	0.0212	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	CADMIUM (TOTAL)	26		0.0635	0.0635	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	CALCIUM (TOTAL)	10800		29	36.2	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	CHROMIUM (TOTAL)	88.7	J	0.14	0.233	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	COBALT (TOTAL)	7.4		0.26	0.339	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	COPPER (TOTAL)	532	J	0.34	0.381	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	IRON (TOTAL)	12800		4.21	4.49	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	LEAD (TOTAL)	34.6		0.32	0.381	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	3690		28.1	44	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	MANGANESE (TOTAL)	144		0.08	0.0847	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	MOLYBDENUM (TOTAL)	2.8		0.49	0.657	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	NICKEL (TOTAL)	64.3		0.3	0.72	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	POTASSIUM (TOTAL)	1700		38.5	38.5	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	SILVER (TOTAL)	1.2		0.17	0.339	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	THALLIUM (TOTAL)	1.3	J	0.64	0.953	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	TITANIUM	498	J	0.212	0.212	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	VANADIUM (TOTAL)	23		0.36	0.424	mg/Kg
SS102NB	AL162	10/25/2000	CL200.7	ZINC (TOTAL)	40.7		0.29	0.741	mg/Kg
SS102NB	AL162	10/25/2000	CVOL	ACETONE	18	J	4.34	6	ug/Kg
SS102NB	AL162	10/25/2000	CVOL	BENZENE	1	J	0.41	6	ug/Kg
SS102NB	AL162	10/25/2000	CVOL	BROMOMETHANE	18		0.49	6	ug/Kg
SS102NB	AL162	10/25/2000	CVOL	CARBON DISULFIDE	0.9	J	0.43	6	ug/Kg
SS102NB	AL162	10/25/2000	CVOL	CHLOROMETHANE	4	J	0.61	6	ug/Kg
SS102NB	AL162	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	6	ug/Kg
SS102NB	AL162	10/25/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg
SS102NB	AL162	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	9.6	J	0.02	0.02	mg/Kg
SS102NB	AL162	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.2	J	0.01	0.01	mg/Kg
SS102NB	AL162	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	79.1	J	0.01	0.01	mg/Kg
SS102NB	AL162	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3080	J	0	0	mg/Kg
SS102NB	AL162	10/25/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	52	J	52	360	ug/Kg
SS102NB	AL162	10/25/2000	SW8270	DI-N-BUTYL PHTHALATE	54	J	54	360	ug/Kg
SS102NB	AL163	10/25/2000	CL200.7	ALUMINUM (TOTAL)	6010		2.11	2.11	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	ARSENIC (TOTAL)	2.6		0.715	0.715	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL163	10/25/2000	CL200.7	BARIUM (TOTAL)	16.8		0.698	0.698	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.26		0.017	0.017	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	CADMIUM (TOTAL)	0.27		0.0511	0.0511	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	CALCIUM (TOTAL)	559		29	29.1	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	CHROMIUM (TOTAL)	10.1	J	0.14	0.187	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	COBALT (TOTAL)	3.5		0.26	0.272	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	COPPER (TOTAL)	15	J	0.306	0.306	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	IRON (TOTAL)	8640		3.61	3.61	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	LEAD (TOTAL)	15.4		0.306	0.306	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	1570		28.1	35.4	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	MANGANESE (TOTAL)	86.8		0.0681	0.0681	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	NICKEL (TOTAL)	5.8		0.3	0.579	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	POTASSIUM (TOTAL)	664		30.9	30.9	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	TITANIUM	274	J	0.17	0.17	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	VANADIUM (TOTAL)	14.4		0.341	0.341	mg/Kg
SS102NB	AL163	10/25/2000	CL200.7	ZINC (TOTAL)	13.6		0.29	0.596	mg/Kg
SS102NB	AL163	10/25/2000	CVOL	ACETONE	22	J	4.34	7	ug/Kg
SS102NB	AL163	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	7	ug/Kg
SS102NB	AL163	10/25/2000	CVOL	TOLUENE	0.6	J	0.32	7	ug/Kg
SS102NB	AL163	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.2	J	0.02	0.02	mg/Kg
SS102NB	AL163	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.01	0.01	mg/Kg
SS102NB	AL163	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.6	J	0.01	0.01	mg/Kg
SS102NB	AL163	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2400	J	0	0	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	ALUMINUM (TOTAL)	5730		2.13	2.13	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	ARSENIC (TOTAL)	1.8		0.723	0.723	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	BARIUM (TOTAL)	8.2		0.705	0.705	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.23		0.0172	0.0172	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	CALCIUM (TOTAL)	527		29	29.4	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	CHROMIUM (TOTAL)	6.3	J	0.14	0.189	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	COBALT (TOTAL)	2.5		0.26	0.275	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	COPPER (TOTAL)	5.6	J	0.31	0.31	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	IRON (TOTAL)	7640		3.65	3.65	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	LEAD (TOTAL)	5.9		0.31	0.31	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	810		28.1	35.8	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	MANGANESE (TOTAL)	68.1		0.0688	0.0688	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	NICKEL (TOTAL)	3.9		0.3	0.585	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	TITANIUM	199	J	0.172	0.172	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	VANADIUM (TOTAL)	11.2		0.344	0.344	mg/Kg
SS102NB	AL164	10/25/2000	CL200.7	ZINC (TOTAL)	9.7		0.29	0.602	mg/Kg
SS102NB	AL164	10/25/2000	CVOL	ACETONE	22	J	4.34	8	ug/Kg
SS102NB	AL164	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	8	ug/Kg
SS102NB	AL164	10/25/2000	CVOL	TOLUENE	0.8	J	0.32	8	ug/Kg
SS102NB	AL164	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.1	J	0.02	0.02	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL164	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.01	0.01	mg/Kg
SS102NB	AL164	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	130	J	0.01	0.01	mg/Kg
SS102NB	AL164	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	1990	J	0	0	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	ALUMINUM (TOTAL)	8690		2.17	2.17	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	ANTIMONY (TOTAL)	10.2	J	0.5	0.806	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	ARSENIC (TOTAL)	2.7		0.736	0.736	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	BARIUM (TOTAL)	69.2		0.718	0.718	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.24		0.0175	0.0175	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	CADMIUM (TOTAL)	23.5		0.0526	0.0526	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	CALCIUM (TOTAL)	14000		29	29.9	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	CHROMIUM (TOTAL)	68.8	J	0.14	0.193	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	COBALT (TOTAL)	10		0.26	0.28	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	COPPER (TOTAL)	1470	J	0.315	0.315	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	IRON (TOTAL)	13500		3.71	3.71	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	LEAD (TOTAL)	64.7		0.315	0.315	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	3560		28.1	36.4	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	MANGANESE (TOTAL)	142		0.0701	0.0701	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	MOLYBDENUM (TOTAL)	5.2		0.49	0.543	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	NICKEL (TOTAL)	167		0.3	0.596	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	POTASSIUM (TOTAL)	1690		31.8	31.8	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	SILVER (TOTAL)	4		0.17	0.28	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	TITANIUM	474	J	0.175	0.175	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	VANADIUM (TOTAL)	21.6		0.35	0.35	mg/Kg
SS102NB	AL165	10/25/2000	CL200.7	ZINC (TOTAL)	116		0.29	0.613	mg/Kg
SS102NB	AL165	10/25/2000	CVOL	ACETONE	32	J	4.34	9	ug/Kg
SS102NB	AL165	10/25/2000	CVOL	BROMOMETHANE	5	J	0.49	9	ug/Kg
SS102NB	AL165	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	9	ug/Kg
SS102NB	AL165	10/25/2000	CVOL	TOLUENE	1	J	0.32	9	ug/Kg
SS102NB	AL165	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	9.8	J	0.02	0.02	mg/Kg
SS102NB	AL165	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.01	0.01	mg/Kg
SS102NB	AL165	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92.1	J	0.01	0.01	mg/Kg
SS102NB	AL165	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	1760	J	0	0	mg/Kg
SS102NB	AL165	10/25/2000	SW8270	DI-N-BUTYL PHTHALATE	1600		88.6	370	ug/Kg
SS102NB	AL166	10/25/2000	CL200.7	ALUMINUM (TOTAL)	10900		2.5	2.7	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	ANTIMONY (TOTAL)	1.3	J	0.5	1	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	ARSENIC (TOTAL)	0.95	J	0.75	0.914	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	BARIUM (TOTAL)	115		0.892	0.892	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0218	0.0218	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	CADMIUM (TOTAL)	5.7		0.0653	0.0653	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	CALCIUM (TOTAL)	3250		29	37.1	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	CHROMIUM (TOTAL)	56.1	J	0.14	0.239	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	COBALT (TOTAL)	13		0.26	0.348	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	COPPER (TOTAL)	68.2	J	0.34	0.392	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL166	10/25/2000	CL200.7	IRON (TOTAL)	15700		4.21	4.61	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	LEAD (TOTAL)	15.9		0.32	0.392	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	7650		28.1	45.2	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	MANGANESE (TOTAL)	191		0.08	0.0871	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	NICKEL (TOTAL)	31.1		0.3	0.74	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	POTASSIUM (TOTAL)	4350		39.5	39.5	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	SILVER (TOTAL)	0.44	J	0.17	0.348	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	THALLIUM (TOTAL)	1.4	J	0.64	0.979	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	TITANIUM	834	J	0.218	0.218	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	VANADIUM (TOTAL)	32.9		0.36	0.435	mg/Kg
SS102NB	AL166	10/25/2000	CL200.7	ZINC (TOTAL)	46.7		0.29	0.762	mg/Kg
SS102NB	AL166	10/25/2000	CVOL	ACETONE	24	J	4.34	8	ug/Kg
SS102NB	AL166	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	8	ug/Kg
SS102NB	AL166	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	26.9	J	0.02	0.02	mg/Kg
SS102NB	AL166	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.09	J	0.01	0.01	mg/Kg
SS102NB	AL166	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	375	J	0.01	0.01	mg/Kg
SS102NB	AL166	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2130	J	0	0	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	ALUMINUM (TOTAL)	8660		2.22	2.22	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	ANTIMONY (TOTAL)	0.99	J	0.5	0.823	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	BARIUM (TOTAL)	109		0.733	0.733	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.09		0.0179	0.0179	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	CADMIUM (TOTAL)	5.1		0.0537	0.0537	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	CALCIUM (TOTAL)	4440		29	30.5	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	CHROMIUM (TOTAL)	41.1	J	0.14	0.197	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	COBALT (TOTAL)	8.7		0.26	0.286	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	COPPER (TOTAL)	465	J	0.322	0.322	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	IRON (TOTAL)	12700		3.79	3.79	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	LEAD (TOTAL)	13.5		0.32	0.322	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	5980		28.1	37.2	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	MANGANESE (TOTAL)	156		0.0716	0.0716	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	MOLYBDENUM (TOTAL)	0.57	J	0.49	0.555	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	NICKEL (TOTAL)	24.2		0.3	0.608	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	POTASSIUM (TOTAL)	4980		32.5	32.5	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	TITANIUM	652	J	0.179	0.179	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	VANADIUM (TOTAL)	28.3		0.358	0.358	mg/Kg
SS102NB	AL167	10/25/2000	CL200.7	ZINC (TOTAL)	33.2		0.29	0.626	mg/Kg
SS102NB	AL167	10/25/2000	CVOL	ACETONE	31	J	4.34	15	ug/Kg
SS102NB	AL167	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	1.8	15	ug/Kg
SS102NB	AL167	10/25/2000	CVOL	TOLUENE	2	J	0.32	15	ug/Kg
SS102NB	AL167	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	11.2	J	0.02	0.02	mg/Kg
SS102NB	AL167	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.17	J	0.01	0.01	mg/Kg
SS102NB	AL167	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	392	J	0.01	0.01	mg/Kg
SS102NB	AL167	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	1710	J	0	0	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL167	10/25/2000	SW8270	DI-N-BUTYL PHTHALATE	21	J	21	360	ug/Kg
SS102NB	AL168	10/25/2000	CL200.7	ALUMINUM (TOTAL)	9720		2.17	2.17	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	ANTIMONY (TOTAL)	1.4	J	0.5	0.806	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	ARSENIC (TOTAL)	1.5		0.736	0.736	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	BARIUM (TOTAL)	92.4		0.718	0.718	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0175	0.0175	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	CADMIUM (TOTAL)	6.5		0.0526	0.0526	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	CALCIUM (TOTAL)	12600		29	29.9	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	CHROMIUM (TOTAL)	45.7	J	0.14	0.193	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	COBALT (TOTAL)	9.2		0.26	0.28	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	COPPER (TOTAL)	573	J	0.315	0.315	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	IRON (TOTAL)	14000		3.71	3.71	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	LEAD (TOTAL)	17.2		0.315	0.315	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	6540		28.1	36.4	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	MANGANESE (TOTAL)	171		0.0701	0.0701	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	MOLYBDENUM (TOTAL)	1	J	0.49	0.543	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	NICKEL (TOTAL)	26.4		0.3	0.596	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	POTASSIUM (TOTAL)	3360		31.8	31.8	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	THALLIUM (TOTAL)	0.8	J	0.64	0.789	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	TITANIUM	692	J	0.175	0.175	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	VANADIUM (TOTAL)	29.8		0.35	0.35	mg/Kg
SS102NB	AL168	10/25/2000	CL200.7	ZINC (TOTAL)	35.1		0.29	0.613	mg/Kg
SS102NB	AL168	10/25/2000	CVOL	ACETONE	18	J	4.34	8	ug/Kg
SS102NB	AL168	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	8	ug/Kg
SS102NB	AL168	10/25/2000	CVOL	TOLUENE	1	J	0.32	8	ug/Kg
SS102NB	AL168	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	36.5	J	0.02	0.02	mg/Kg
SS102NB	AL168	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.2	J	0.01	0.01	mg/Kg
SS102NB	AL168	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	447	J	0.01	0.01	mg/Kg
SS102NB	AL168	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3020	J	0	0	mg/Kg
SS102NB	AL168	10/25/2000	SW8270	DI-N-BUTYL PHTHALATE	230	J	88.6	350	ug/Kg
SS102NB	AL169	10/25/2000	CL200.7	ALUMINUM (TOTAL)	8500		2.5	2.68	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	ARSENIC (TOTAL)	2.8		0.75	0.907	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	BARIUM (TOTAL)	20.1		0.885	0.885	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.29		0.0216	0.0216	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	CALCIUM (TOTAL)	952		29	36.9	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	CHROMIUM (TOTAL)	11.8	J	0.14	0.238	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	COBALT (TOTAL)	3.4		0.26	0.346	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	COPPER (TOTAL)	56.6	J	0.34	0.389	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	IRON (TOTAL)	10200		4.21	4.58	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	LEAD (TOTAL)	23.5		0.32	0.389	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	1590		28.1	44.9	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	MANGANESE (TOTAL)	88.3		0.08	0.0864	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	NICKEL (TOTAL)	6.3		0.3	0.734	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL169	10/25/2000	CL200.7	POTASSIUM (TOTAL)	712		39.2	39.2	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	TITANIUM	298	J	0.216	0.216	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	VANADIUM (TOTAL)	15.7		0.36	0.432	mg/Kg
SS102NB	AL169	10/25/2000	CL200.7	ZINC (TOTAL)	20.8		0.29	0.756	mg/Kg
SS102NB	AL169	10/25/2000	CVOL	ACETONE	16	J	4.34	5	ug/Kg
SS102NB	AL169	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	5	ug/Kg
SS102NB	AL169	10/25/2000	CVOL	TOLUENE	0.5	J	0.32	5	ug/Kg
SS102NB	AL169	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.2	J	0.02	0.02	mg/Kg
SS102NB	AL169	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.25	J	0.01	0.01	mg/Kg
SS102NB	AL169	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	95.7	J	0.01	0.01	mg/Kg
SS102NB	AL169	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3020	J	0	0	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	ALUMINUM (TOTAL)	5670		2.5	2.55	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	ARSENIC (TOTAL)	2.1		0.75	0.864	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	BARIUM (TOTAL)	9.1		0.843	0.843	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.24		0.0206	0.0206	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	CALCIUM (TOTAL)	517		29	35.1	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	CHROMIUM (TOTAL)	6.3	J	0.14	0.226	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	COBALT (TOTAL)	2.6		0.26	0.329	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	COPPER (TOTAL)	4.4	J	0.34	0.37	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	IRON (TOTAL)	7510		4.21	4.36	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	LEAD (TOTAL)	7.4		0.32	0.37	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	766		28.1	42.8	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	MANGANESE (TOTAL)	70.6		0.08	0.0823	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	NICKEL (TOTAL)	7.8	J	0.3	0.699	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	TITANIUM	211	J	0.206	0.206	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	VANADIUM (TOTAL)	11.7		0.36	0.411	mg/Kg
SS102NB	AL170	10/25/2000	CL200.7	ZINC (TOTAL)	10		0.29	0.72	mg/Kg
SS102NB	AL170	10/25/2000	CPEST	P,P'-DDT	2.4	J	0.26	3.5	ug/Kg
SS102NB	AL170	10/25/2000	CPEST	PCB-1254 (AROCHLOR 1254)	23	J	9.4	35	ug/Kg
SS102NB	AL170	10/25/2000	CVOL	ACETONE	29	J	4.34	6	ug/Kg
SS102NB	AL170	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	6	ug/Kg
SS102NB	AL170	10/25/2000	CVOL	TOLUENE	0.6	J	0.32	6	ug/Kg
SS102NB	AL170	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.7	J	0.02	0.02	mg/Kg
SS102NB	AL170	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg
SS102NB	AL170	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	83.3	J	0.01	0.01	mg/Kg
SS102NB	AL170	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	2260	J	0	0	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	ALUMINUM (TOTAL)	6060		2.17	2.17	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	ARSENIC (TOTAL)	2.1		0.735	0.735	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	BARIUM (TOTAL)	48.6		0.717	0.717	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.0175	0.0175	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	CADMIUM (TOTAL)	8.2		0.0525	0.0525	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	CALCIUM (TOTAL)	7420		29	29.9	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	CHROMIUM (TOTAL)	25.8	J	0.14	0.192	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL171	10/25/2000	CL200.7	COBALT (TOTAL)	8.4		0.26	0.28	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	COPPER (TOTAL)	631	J	0.315	0.315	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	IRON (TOTAL)	9010		3.71	3.71	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	LEAD (TOTAL)	24.9		0.315	0.315	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	2750		28.1	36.4	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	MANGANESE (TOTAL)	124		0.07	0.07	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	MOLYBDENUM (TOTAL)	1.4		0.49	0.542	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	NICKEL (TOTAL)	38.4		0.3	0.595	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	POTASSIUM (TOTAL)	1700		31.8	31.8	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	SILVER (TOTAL)	1.6		0.17	0.28	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	TITANIUM	355	J	0.175	0.175	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	VANADIUM (TOTAL)	17		0.35	0.35	mg/Kg
SS102NB	AL171	10/25/2000	CL200.7	ZINC (TOTAL)	26.6		0.29	0.612	mg/Kg
SS102NB	AL171	10/25/2000	CVOL	ACETONE	7	J	4.34	6	ug/Kg
SS102NB	AL171	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102NB	AL171	10/25/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg
SS102NB	AL171	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.9	J	0.02	0.02	mg/Kg
SS102NB	AL171	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	108	J	0.01	0.01	mg/Kg
SS102NB	AL171	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	1930	J	0	0	mg/Kg
SS102NB	AL171	10/25/2000	SW8270	2,4-DINITROTOLUENE	81	J	30.7	350	ug/Kg
SS102NB	AL171	10/25/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	350	ug/Kg
SS102NB	AL171	10/25/2000	SW8270	DI-N-BUTYL PHTHALATE	1000	J	88.6	350	ug/Kg
SS102NB	AL171	10/25/2000	SW8270	N-NITROSODIPHENYLAMINE	250	J	74.5	350	ug/Kg
SS102NB	AL172	10/25/2000	CL200.7	ALUMINUM (TOTAL)	11700		2.34	2.34	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	ANTIMONY (TOTAL)	1.3	J	0.5	0.868	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	BARIUM (TOTAL)	154		0.773	0.773	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.09	J	0.0189	0.0189	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	CADMIUM (TOTAL)	1.7		0.0566	0.0566	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	CALCIUM (TOTAL)	4060		29	32.2	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	CHROMIUM (TOTAL)	59.2	J	0.14	0.208	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	COBALT (TOTAL)	13.1		0.26	0.302	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	COPPER (TOTAL)	40.2	J	0.34	0.34	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	IRON (TOTAL)	18200		4	4	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	LEAD (TOTAL)	8.9		0.32	0.34	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	9780		28.1	39.2	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	MANGANESE (TOTAL)	240		0.0755	0.0755	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	MOLYBDENUM (TOTAL)	0.69	J	0.49	0.585	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	NICKEL (TOTAL)	27		0.3	0.641	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	POTASSIUM (TOTAL)	6110		34.3	34.3	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	SILVER (TOTAL)	2.8		0.17	0.302	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	THALLIUM (TOTAL)	1.8		0.64	0.849	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	TITANIUM	1010	J	0.189	0.189	mg/Kg
SS102NB	AL172	10/25/2000	CL200.7	VANADIUM (TOTAL)	41.7		0.36	0.377	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102NB	AL172	10/25/2000	CL200.7	ZINC (TOTAL)	47.8		0.29	0.66	mg/Kg
SS102NB	AL172	10/25/2000	CVOL	ACETONE	43	J	4.34	6	ug/Kg
SS102NB	AL172	10/25/2000	CVOL	CARBON DISULFIDE	0.9	J	0.43	6	ug/Kg
SS102NB	AL172	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	6	ug/Kg
SS102NB	AL172	10/25/2000	CVOL	TOLUENE	0.6	J	0.32	6	ug/Kg
SS102NB	AL172	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.2	J	0.02	0.02	mg/Kg
SS102NB	AL172	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.19	J	0.01	0.01	mg/Kg
SS102NB	AL172	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	84	J	0.01	0.01	mg/Kg
SS102NB	AL172	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	1530	J	0	0	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	ALUMINUM (TOTAL)	10100		2.5	2.7	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	ANTIMONY (TOTAL)	1.4	J	0.5	1	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	BARIUM (TOTAL)	109		0.893	0.893	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	BERYLLIUM (TOTAL)	0.07	J	0.0218	0.0218	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	CADMIUM (TOTAL)	42.7		0.0653	0.0653	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	CALCIUM (TOTAL)	15900		29	37.2	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	CHROMIUM (TOTAL)	83.9	J	0.14	0.24	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	COBALT (TOTAL)	11.5		0.26	0.349	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	COPPER (TOTAL)	293	J	0.34	0.392	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	IRON (TOTAL)	16200		4.21	4.62	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	LEAD (TOTAL)	8.3		0.32	0.392	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	MAGNESIUM (TOTAL)	8930		28.1	45.3	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	MANGANESE (TOTAL)	190		0.08	0.0871	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	MOLYBDENUM (TOTAL)	1.9		0.49	0.675	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	NICKEL (TOTAL)	101		0.3	0.741	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	POTASSIUM (TOTAL)	4260		39.6	39.6	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	TITANIUM	906	J	0.218	0.218	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	VANADIUM (TOTAL)	32.4		0.36	0.436	mg/Kg
SS102NB	AL173	10/25/2000	CL200.7	ZINC (TOTAL)	32.5		0.29	0.762	mg/Kg
SS102NB	AL173	10/25/2000	CL335.2	CYANIDE	0.85	J	0.4	0.497	mg/Kg
SS102NB	AL173	10/25/2000	CVOL	ACETONE	13	J	4.34	6	ug/Kg
SS102NB	AL173	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	1.8	6	ug/Kg
SS102NB	AL173	10/25/2000	CVOL	TOLUENE	0.6	J	0.32	6	ug/Kg
SS102NB	AL173	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.5	J	0.02	0.02	mg/Kg
SS102NB	AL173	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.15	J	0.01	0.01	mg/Kg
SS102NB	AL173	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	148	J	0.01	0.01	mg/Kg
SS102NB	AL173	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	1490	J	0	0	mg/Kg
SS102NB	AL173	10/25/2000	SW8270	FLUORANTHENE	40	J	40	370	ug/Kg
SS102NB	AL173	10/25/2000	SW8270	PHENANTHRENE	23	J	23	370	ug/Kg
SS102NB	AL173	10/25/2000	SW8270	PYRENE	64	J	64	370	ug/Kg
SS102NB	BE258	5/24/2002	E314.0	PERCHLORATE	3.36	J	2.26	3.39	ug/Kg
SS102NB	BE260	5/24/2002	E314.0	PERCHLORATE	9.68	J	2.26	3.27	ug/Kg
SS102PD	AT332	10/11/2001	CL200.7	ALUMINUM (TOTAL)	6870		1.6	1.6	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.68	J	0.45	0.45	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102PD	AT332	10/11/2001	CL200.7	ARSENIC (TOTAL)	3.3	J	0.79	0.79	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	BARIUM (TOTAL)	19.7		0.81	0.81	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.33		0.04	0.04	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	BORON (TOTAL)	3.6	J	0.45	0.45	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	CADMIUM (TOTAL)	0.64		0.04	0.04	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	CALCIUM (TOTAL)	759		64.8	64.8	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	CHROMIUM (TOTAL)	9.5		0.14	0.14	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	COBALT (TOTAL)	3.8		0.28	0.28	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	COPPER (TOTAL)	19.4		0.2	0.2	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	IRON (TOTAL)	10400		3.2	3.2	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	LEAD (TOTAL)	11.8	J	0.12	0.12	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	1750		39.5	39.5	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	MANGANESE (TOTAL)	109	J	0.12	0.12	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	NICKEL (TOTAL)	7.5		0.43	0.43	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	POTASSIUM (TOTAL)	620	J	23.8	23.8	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	VANADIUM (TOTAL)	19.7		0.43	0.43	mg/Kg
SS102PD	AT332	10/11/2001	CL200.7	ZINC (TOTAL)	22.1		0.18	0.18	mg/Kg
SS102PD	AT332	10/11/2001	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.91	NJ	0.263	1.8	ug/Kg
SS102PD	AT332	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.6	J	1.5	2.5	mg/Kg
SS102PD	AT332	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.022		0.0043	0.011	mg/Kg
SS102PD	AT332	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.8	J	1	1.9	mg/Kg
SS102PD	AT332	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	4610		0	0	mg/Kg
SS102PD	AT332	10/11/2001	SW8270	DI-N-BUTYL PHTHALATE	57	J	57	350	ug/Kg
SS102PD	AT332	10/11/2001	CVOL	ACETONE	25	J	3.81	7	ug/Kg
SS102PD	AT332	10/11/2001	CVOL	BROMOMETHANE	7	J	4.45	7	ug/Kg
SS102PD	AT332	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	7	ug/Kg
SS102PD	AT332	10/11/2001	CVOL	TOLUENE	0.9	J	0.9	7	ug/Kg
SS102PD	AT333	10/11/2001	CL200.7	ALUMINUM (TOTAL)	6270		1.5	1.5	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	ARSENIC (TOTAL)	3.3	J	0.75	0.75	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	BARIUM (TOTAL)	11.2		0.76	0.76	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.36		0.04	0.04	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	BORON (TOTAL)	3	J	0.42	0.42	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	CADMIUM (TOTAL)	0.19		0.04	0.04	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	CALCIUM (TOTAL)	970		61	61	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	CHROMIUM (TOTAL)	8.4		0.13	0.13	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	COBALT (TOTAL)	9.2		0.27	0.27	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	COPPER (TOTAL)	22.8		0.19	0.19	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	IRON (TOTAL)	8030		3	3	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	LEAD (TOTAL)	7.5	J	0.11	0.11	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	979		37.2	37.2	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	MANGANESE (TOTAL)	70.8	J	0.11	0.11	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	MOLYBDENUM (TOTAL)	3.9		0.17	0.17	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	NICKEL (TOTAL)	25.5		0.4	0.4	mg/Kg

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NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102PD	AT333	10/11/2001	CL200.7	POTASSIUM (TOTAL)	550	J	22.4	22.4	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	VANADIUM (TOTAL)	41.3		0.4	0.4	mg/Kg
SS102PD	AT333	10/11/2001	CL200.7	ZINC (TOTAL)	12.8		0.17	0.17	mg/Kg
SS102PD	AT333	10/11/2001	CPEST	P,P'-DDT	1.9	J	1.63	3.5	ug/Kg
SS102PD	AT333	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.8	J	1.5	2.4	mg/Kg
SS102PD	AT333	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.019		0.0043	0.011	mg/Kg
SS102PD	AT333	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103	J	1	1.8	mg/Kg
SS102PD	AT333	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	3690		0	0	mg/Kg
SS102PD	AT333	10/11/2001	SW8270	BENZOIC ACID	18	J	18	890	ug/Kg
SS102PD	AT333	10/11/2001	SW8270	DI-N-BUTYL PHTHALATE	130	J	71.5	350	ug/Kg
SS102PD	AT333	10/11/2001	CVOL	ACETONE	13	J	3.81	9	ug/Kg
SS102PD	AT333	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	9	ug/Kg
SS102PD	AT334	10/11/2001	CL200.7	ALUMINUM (TOTAL)	7110		1.4	1.4	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.52	J	0.4	0.4	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	ARSENIC (TOTAL)	3.8	J	0.72	0.72	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	BARIUM (TOTAL)	12.8		0.74	0.74	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.36		0.04	0.04	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	BORON (TOTAL)	3.3	J	0.4	0.4	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	CADMIUM (TOTAL)	0.19		0.04	0.04	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	CALCIUM (TOTAL)	1480		58.7	58.7	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	CHROMIUM (TOTAL)	10.7		0.13	0.13	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	COBALT (TOTAL)	3.2		0.26	0.26	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	COPPER (TOTAL)	7.8		0.18	0.18	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	IRON (TOTAL)	9170		2.9	2.9	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	LEAD (TOTAL)	10.2	J	0.11	0.11	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	1140		35.8	35.8	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	MANGANESE (TOTAL)	86.6	J	0.11	0.11	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	NICKEL (TOTAL)	7.2		0.39	0.39	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	POTASSIUM (TOTAL)	638	J	21.5	21.5	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	VANADIUM (TOTAL)	29.3		0.39	0.39	mg/Kg
SS102PD	AT334	10/11/2001	CL200.7	ZINC (TOTAL)	13.8		0.17	0.17	mg/Kg
SS102PD	AT334	10/11/2001	CPEST	P,P'-DDT	5.4	J	1.63	3.7	ug/Kg
SS102PD	AT334	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.2	J	1.5	2.7	mg/Kg
SS102PD	AT334	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.025		0.0043	0.011	mg/Kg
SS102PD	AT334	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	77.9	J	1	1.6	mg/Kg
SS102PD	AT334	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	3970		0	0	mg/Kg
SS102PD	AT334	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	370	ug/Kg
SS102PD	AT334	10/11/2001	CVOL	ACETONE	15	J	3.81	8	ug/Kg
SS102PD	AT334	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg
SS102PD	BD053	5/9/2002	SW8321	1,4-DIAMINO-2,3-DIHYDROANTHRAQUINONE	78	J	0.64	120	ug/Kg
SS102PE	AT338	10/11/2001	CL200.7	ALUMINUM (TOTAL)	13700		1.7	1.7	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.69	J	0.48	0.48	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	ARSENIC (TOTAL)	4.7	J	0.85	0.85	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102PE	AT338	10/11/2001	CL200.7	BARIUM (TOTAL)	26.1		0.87	0.87	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.51		0.04	0.04	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	BORON (TOTAL)	5.4	J	0.48	0.48	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	CADMIUM (TOTAL)	0.3		0.04	0.04	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	CALCIUM (TOTAL)	819		69.5	69.5	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	CHROMIUM (TOTAL)	18.2		0.15	0.15	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	COBALT (TOTAL)	4.7		0.3	0.3	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	COPPER (TOTAL)	17.8		0.22	0.22	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	IRON (TOTAL)	14800		3.4	3.4	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	LEAD (TOTAL)	14.1	J	0.13	0.13	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	2170		42.4	42.4	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	MANGANESE (TOTAL)	111	J	0.13	0.13	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	NICKEL (TOTAL)	14.4		0.46	0.46	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	POTASSIUM (TOTAL)	975	J	25.5	25.5	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	VANADIUM (TOTAL)	44.4		0.46	0.46	mg/Kg
SS102PE	AT338	10/11/2001	CL200.7	ZINC (TOTAL)	29.2		0.2	0.2	mg/Kg
SS102PE	AT338	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.6	J	1.5	2.8	mg/Kg
SS102PE	AT338	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.027		0.0043	0.012	mg/Kg
SS102PE	AT338	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	136	J	1	2.1	mg/Kg
SS102PE	AT338	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	9990		0	0	mg/Kg
SS102PE	AT338	10/11/2001	SW8270	BENZOIC ACID	26	J	26	960	ug/Kg
SS102PE	AT338	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32	J	32	380	ug/Kg
SS102PE	AT338	10/11/2001	CVOL	ACETONE	43	J	3.81	9	ug/Kg
SS102PE	AT338	10/11/2001	CVOL	BROMOMETHANE	1	J	1	9	ug/Kg
SS102PE	AT338	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	9	ug/Kg
SS102PE	AT339	10/11/2001	CL200.7	ALUMINUM (TOTAL)	14700		1.5	1.5	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.75	J	0.43	0.43	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	ARSENIC (TOTAL)	5.2	J	0.75	0.75	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	BARIUM (TOTAL)	22.6		0.77	0.77	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.52		0.04	0.04	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	BORON (TOTAL)	5.5	J	0.43	0.43	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	CADMIUM (TOTAL)	0.29		0.04	0.04	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	CALCIUM (TOTAL)	688		61.7	61.7	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	CHROMIUM (TOTAL)	18.3		0.14	0.14	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	COBALT (TOTAL)	4.9		0.27	0.27	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	COPPER (TOTAL)	12		0.19	0.19	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	IRON (TOTAL)	15700		3	3	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	LEAD (TOTAL)	16.4	J	0.12	0.12	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	1950		37.7	37.7	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	MANGANESE (TOTAL)	99.8	J	0.12	0.12	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	NICKEL (TOTAL)	11.1		0.41	0.41	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	POTASSIUM (TOTAL)	936	J	22.6	22.6	mg/Kg
SS102PE	AT339	10/11/2001	CL200.7	VANADIUM (TOTAL)	33.7		0.41	0.41	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102PE	AT339	10/11/2001	CL200.7	ZINC (TOTAL)	25.4		0.17	0.17	mg/Kg
SS102PE	AT339	10/11/2001	CPEST	P,P'-DDT	3	NJ	1.63	3.7	ug/Kg
SS102PE	AT339	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.4	J	1.5	2.7	mg/Kg
SS102PE	AT339	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.027		0.0043	0.011	mg/Kg
SS102PE	AT339	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	131	J	1	2	mg/Kg
SS102PE	AT339	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	9450		0	0	mg/Kg
SS102PE	AT339	10/11/2001	SW8270	BENZOIC ACID	29	J	29	940	ug/Kg
SS102PE	AT339	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	26	380	ug/Kg
SS102PE	AT339	10/11/2001	CVOL	ACETONE	39	J	3.81	10	ug/Kg
SS102PE	AT339	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	10	ug/Kg
SS102PE	AT340	10/11/2001	CL200.7	ALUMINUM (TOTAL)	15000		1.7	1.7	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	ANTIMONY (TOTAL)	0.98	J	0.47	0.47	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	ARSENIC (TOTAL)	5.7	J	0.84	0.84	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	BARIUM (TOTAL)	23.9		0.86	0.86	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	BERYLLIUM (TOTAL)	0.55		0.04	0.04	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	BORON (TOTAL)	5.7	J	0.47	0.47	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	CADMIUM (TOTAL)	0.28		0.04	0.04	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	CALCIUM (TOTAL)	1180		68.8	68.8	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	CHROMIUM (TOTAL)	18.6		0.15	0.15	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	COBALT (TOTAL)	4.8		0.3	0.3	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	COPPER (TOTAL)	17.5		0.22	0.22	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	IRON (TOTAL)	15700		3.4	3.4	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	LEAD (TOTAL)	16	J	0.13	0.13	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	MAGNESIUM (TOTAL)	1960		42	42	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	MANGANESE (TOTAL)	99.6	J	0.13	0.13	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	NICKEL (TOTAL)	12.8		0.45	0.45	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	POTASSIUM (TOTAL)	940	J	25.2	25.2	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	VANADIUM (TOTAL)	40.2		0.45	0.45	mg/Kg
SS102PE	AT340	10/11/2001	CL200.7	ZINC (TOTAL)	26.8		0.19	0.19	mg/Kg
SS102PE	AT340	10/11/2001	CPEST	P,P'-DDT	4.3	J	1.63	3.9	ug/Kg
SS102PE	AT340	10/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.3	J	1.5	2.8	mg/Kg
SS102PE	AT340	10/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.028		0.0043	0.012	mg/Kg
SS102PE	AT340	10/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	124	J	1	2.3	mg/Kg
SS102PE	AT340	10/11/2001	LYDKHN	TOTAL ORGANIC CARBON	13900		0	0	mg/Kg
SS102PE	AT340	10/11/2001	SW8270	2,4-DINITROTOLUENE	74	J	35.8	390	ug/Kg
SS102PE	AT340	10/11/2001	SW8270	BENZOIC ACID	30	J	30	980	ug/Kg
SS102PE	AT340	10/11/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19	J	19	390	ug/Kg
SS102PE	AT340	10/11/2001	CVOL	ACETONE	61	J	3.81	11	ug/Kg
SS102PE	AT340	10/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	3.6	11	ug/Kg
SS102PE	AT340	10/11/2001	CVOL	TOLUENE	1	J	1	11	ug/Kg
SS102PE	AT341	10/11/2001	SW8321	1,4-BIS(P-TOLUIDINO)ANTHRAQUINONE	6	J	0.5	6.7	ug/Kg
SS102PE	AT342	10/11/2001	SW8321	1,4-BIS(P-TOLUIDINO)ANTHRAQUINONE	17	J	0.5	6.7	ug/Kg
SS102U	AZ605	3/28/2002	CL200.7	ALUMINUM (TOTAL)	9080		3.8	3.8	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102U	AZ605	3/28/2002	CL200.7	ARSENIC (TOTAL)	3		0.46	0.46	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	BARIUM (TOTAL)	18.9		1.3	1.3	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	BORON (TOTAL)	7.3		0.4	0.4	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	CADMIUM (TOTAL)	0.43		0.1	0.17	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	CALCIUM (TOTAL)	157		26.9	26.9	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	CHROMIUM (TOTAL)	9.4		0.25	0.25	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	COBALT (TOTAL)	1.7		0.61	0.61	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	COPPER (TOTAL)	30.7		0.29	0.29	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	IRON (TOTAL)	9750		5.6	6.7	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	LEAD (TOTAL)	204		0.17	0.17	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	MAGNESIUM (TOTAL)	728		27.7	27.7	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	MANGANESE (TOTAL)	64.4		0.17	0.17	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	MOLYBDENUM (TOTAL)	0.72	J	0.34	0.34	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	NICKEL (TOTAL)	4.5	J	0.59	0.59	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	POTASSIUM (TOTAL)	458		57.3	57.3	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	SELENIUM (TOTAL)	0.6	J	0.42	0.42	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	VANADIUM (TOTAL)	17.8		0.42	0.42	mg/Kg
SS102U	AZ605	3/28/2002	CL200.7	ZINC (TOTAL)	26.7		0.19	0.19	mg/Kg
SS102U	AZ605	3/28/2002	E350.2	NITROGEN, AMMONIA (AS N)	3.6		0.022	2.5	mg/Kg
SS102U	AZ605	3/28/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.035		0.0088	0.01	mg/Kg
SS102U	AZ605	3/28/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	48.8		0.006	1.9	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	ALUMINUM (TOTAL)	4810		4.6	4.6	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	ARSENIC (TOTAL)	1.8		0.76	0.76	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	BARIUM (TOTAL)	14.1		1.8	1.8	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.26		0.04	0.04	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	BORON (TOTAL)	2.8		0.43	0.43	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	CADMIUM (TOTAL)	0.67		0.1	0.1	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	CALCIUM (TOTAL)	541		62.3	62.3	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	CHROMIUM (TOTAL)	11.9		0.23	0.23	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	COBALT (TOTAL)	3.2		0.49	0.49	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	COPPER (TOTAL)	24		0.8	0.86	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	IRON (TOTAL)	6450		3.5	3.5	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	LEAD (TOTAL)	17.7		0.12	0.12	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1210		38	38	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	MANGANESE (TOTAL)	70.9		0.27	0.27	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	MOLYBDENUM (TOTAL)	0.72	J	0.5	0.57	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	NICKEL (TOTAL)	11.5		0.39	0.39	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	POTASSIUM (TOTAL)	624		45.5	45.5	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	VANADIUM (TOTAL)	13.7		0.41	0.41	mg/Kg
SS102UA	AT110	10/2/2001	CL200.7	ZINC (TOTAL)	15.8		0.29	0.29	mg/Kg
SS102UA	AT110	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.014		0.0043	0.011	mg/Kg
SS102UA	AT110	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109		1	1.9	mg/Kg
SS102UA	AT110	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	3860		0	0	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UA	AT110	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	360	ug/Kg
SS102UA	AT110	10/2/2001	CVOL	ACETONE	23	J	3.81	7	ug/Kg
SS102UA	AT110	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	7	ug/Kg
SS102UA	AT111	10/2/2001	CL200.7	ALUMINUM (TOTAL)	5040		4.9	4.9	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	ARSENIC (TOTAL)	2.3		0.31	0.31	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	BARIUM (TOTAL)	11		1.9	1.9	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.27		0.04	0.04	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	BORON (TOTAL)	2.5		0.46	0.46	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	CALCIUM (TOTAL)	552		66.3	66.3	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	CHROMIUM (TOTAL)	6.7		0.25	0.25	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	COBALT (TOTAL)	2.6		0.52	0.52	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	COPPER (TOTAL)	6.5		0.8	0.91	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	IRON (TOTAL)	6480		3.7	3.7	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	LEAD (TOTAL)	11.4		0.12	0.12	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	912		40.5	40.5	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	MANGANESE (TOTAL)	69.8		0.29	0.29	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	NICKEL (TOTAL)	4.6		0.42	0.42	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	POTASSIUM (TOTAL)	561		48.4	48.4	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	VANADIUM (TOTAL)	14.2		0.44	0.44	mg/Kg
SS102UA	AT111	10/2/2001	CL200.7	ZINC (TOTAL)	11.1		0.31	0.31	mg/Kg
SS102UA	AT111	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	85.7		1	2	mg/Kg
SS102UA	AT111	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	2190		0	0	mg/Kg
SS102UA	AT111	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	350	ug/Kg
SS102UA	AT111	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg
SS102UA	AT112	10/2/2001	CL200.7	ALUMINUM (TOTAL)	5220		4	4	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	ARSENIC (TOTAL)	2.2		0.67	0.67	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	BARIUM (TOTAL)	10.7		1.5	1.5	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.24		0.03	0.03	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	BORON (TOTAL)	2.9		0.38	0.38	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	CALCIUM (TOTAL)	1040		54.8	54.8	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	CHROMIUM (TOTAL)	6.8		0.21	0.21	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	COBALT (TOTAL)	2.7		0.43	0.43	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	COPPER (TOTAL)	3.6		0.76	0.76	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	IRON (TOTAL)	6970		3.1	3.1	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	LEAD (TOTAL)	9.9		0.1	0.1	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1030		33.4	33.4	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	MANGANESE (TOTAL)	71.3		0.24	0.24	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	NICKEL (TOTAL)	3.9		0.34	0.34	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	POTASSIUM (TOTAL)	556		40	40	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	VANADIUM (TOTAL)	12.5		0.36	0.36	mg/Kg
SS102UA	AT112	10/2/2001	CL200.7	ZINC (TOTAL)	11.7		0.26	0.26	mg/Kg
SS102UA	AT112	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103		1	1.8	mg/Kg
SS102UA	AT112	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	2010		0	0	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UA	AT112	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	350	ug/Kg
SS102UA	AT112	10/2/2001	CVOL	ACETONE	25	J	3.81	12	ug/Kg
SS102UA	AT112	10/2/2001	CVOL	BROMOFORM	1	J	1	12	ug/Kg
SS102UA	AT112	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	12	ug/Kg
SS102UA	AT113	10/2/2001	CL200.7	ALUMINUM (TOTAL)	5380		4.2	4.2	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	ARSENIC (TOTAL)	2.1		0.69	0.69	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	BARIUM (TOTAL)	11.9		1.6	1.6	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.28		0.04	0.04	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	BORON (TOTAL)	2.9		0.39	0.39	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	CALCIUM (TOTAL)	1560		56.4	56.4	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	CHROMIUM (TOTAL)	7.3		0.21	0.21	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	COBALT (TOTAL)	2.9		0.44	0.44	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	COPPER (TOTAL)	4.2		0.78	0.78	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	IRON (TOTAL)	7190		3.2	3.2	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	LEAD (TOTAL)	14.7		0.11	0.11	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	934		34.4	34.4	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	MANGANESE (TOTAL)	81.2		0.25	0.25	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	NICKEL (TOTAL)	4.2		0.35	0.35	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	POTASSIUM (TOTAL)	595		41.2	41.2	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	VANADIUM (TOTAL)	13.5		0.37	0.37	mg/Kg
SS102UA	AT113	10/2/2001	CL200.7	ZINC (TOTAL)	11.4		0.27	0.27	mg/Kg
SS102UA	AT113	10/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.1	J	1.5	2.4	mg/Kg
SS102UA	AT113	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	108		1	2.1	mg/Kg
SS102UA	AT113	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	1930		0	0	mg/Kg
SS102UA	AT113	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	17	J	17	350	ug/Kg
SS102UA	AT113	10/2/2001	SW8270	DI-N-BUTYL PHTHALATE	26	J	26	350	ug/Kg
SS102UA	AT113	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg
SS102UA	AT114	10/2/2001	CL200.7	ALUMINUM (TOTAL)	3610		4.1	4.1	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	ARSENIC (TOTAL)	1.6		0.26	0.26	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	BARIUM (TOTAL)	9.7		1.6	1.6	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.22		0.03	0.03	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	BORON (TOTAL)	2.4		0.38	0.38	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	CALCIUM (TOTAL)	1350		55	55	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	CHROMIUM (TOTAL)	4.9		0.21	0.21	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	COBALT (TOTAL)	2.1		0.43	0.43	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	COPPER (TOTAL)	3.9		0.76	0.76	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	IRON (TOTAL)	5190		3.1	3.1	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	LEAD (TOTAL)	15.5		0.1	0.1	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	731		33.6	33.6	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	MANGANESE (TOTAL)	62.4		0.24	0.24	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	NICKEL (TOTAL)	2.9		0.35	0.35	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	POTASSIUM (TOTAL)	441		40.2	40.2	mg/Kg
SS102UA	AT114	10/2/2001	CL200.7	VANADIUM (TOTAL)	9.4		0.36	0.36	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UA	AT114	10/2/2001	CL200.7	ZINC (TOTAL)	10.7		0.26	0.26	mg/Kg
SS102UA	AT114	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.0043	0.01	mg/Kg
SS102UA	AT114	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	62.7		1	2.1	mg/Kg
SS102UA	AT114	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	1740	J	0	0	mg/Kg
SS102UA	AT114	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	340	ug/Kg
SS102UA	AT114	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	10	ug/Kg
SS102UB	AT115	10/2/2001	CL200.7	ALUMINUM (TOTAL)	7510		5	5	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	ARSENIC (TOTAL)	2.8		0.83	0.83	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	BARIUM (TOTAL)	21.9		1.9	1.9	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.29		0.04	0.04	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	BORON (TOTAL)	3.2		0.47	0.47	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	CADMIUM (TOTAL)	0.25		0.1	0.11	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	CALCIUM (TOTAL)	564		67.7	67.7	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	CHROMIUM (TOTAL)	13.9		0.25	0.25	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	COBALT (TOTAL)	4.3		0.53	0.53	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	COPPER (TOTAL)	16.6		0.8	0.93	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	IRON (TOTAL)	8890		3.8	3.8	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	LEAD (TOTAL)	15.3		0.13	0.13	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1940		41.3	41.3	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	MANGANESE (TOTAL)	102		0.3	0.3	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	NICKEL (TOTAL)	9.1		0.42	0.42	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	POTASSIUM (TOTAL)	1130		49.4	49.4	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	VANADIUM (TOTAL)	21.9		0.45	0.45	mg/Kg
SS102UB	AT115	10/2/2001	CL200.7	ZINC (TOTAL)	22.6		0.32	0.32	mg/Kg
SS102UB	AT115	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	140		1	2.1	mg/Kg
SS102UB	AT115	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	5770		0	0	mg/Kg
SS102UB	AT115	10/2/2001	SW8151A	PENTACHLOROPHENOL	28	J	1.78	19	ug/Kg
SS102UB	AT115	10/2/2001	SW8270	BENZOIC ACID	64	J	64	910	ug/Kg
SS102UB	AT115	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	17	J	17	360	ug/Kg
SS102UB	AT115	10/2/2001	CVOL	ACETONE	38	J	3.81	10	ug/Kg
SS102UB	AT115	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	10	ug/Kg
SS102UB	AT116	10/2/2001	CL200.7	ALUMINUM (TOTAL)	7260		5	5	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	ARSENIC (TOTAL)	2.9		0.32	0.32	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	BARIUM (TOTAL)	14.8		1.9	1.9	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.35		0.04	0.04	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	BORON (TOTAL)	3.6		0.46	0.46	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	CALCIUM (TOTAL)	437		67.4	67.4	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	CHROMIUM (TOTAL)	9.9		0.25	0.25	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	COBALT (TOTAL)	3.5		0.53	0.53	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	COPPER (TOTAL)	8.7		0.8	0.93	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	IRON (TOTAL)	8770		3.8	3.8	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	LEAD (TOTAL)	10.1		0.13	0.13	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1230		41.1	41.1	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UB	AT116	10/2/2001	CL200.7	MANGANESE (TOTAL)	89.6		0.3	0.3	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	NICKEL (TOTAL)	5.9		0.42	0.42	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	POTASSIUM (TOTAL)	714		49.2	49.2	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	VANADIUM (TOTAL)	17.6		0.44	0.44	mg/Kg
SS102UB	AT116	10/2/2001	CL200.7	ZINC (TOTAL)	18.6		0.32	0.32	mg/Kg
SS102UB	AT116	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.0043	0.011	mg/Kg
SS102UB	AT116	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114		1	1.7	mg/Kg
SS102UB	AT116	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	4360		0	0	mg/Kg
SS102UB	AT116	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	28	J	28	370	ug/Kg
SS102UB	AT116	10/2/2001	CVOL	ACETONE	31		3.81	9	ug/Kg
SS102UB	AT116	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	9	ug/Kg
SS102UB	AT117	10/2/2001	CL200.7	ALUMINUM (TOTAL)	6590		4.7	4.7	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	ARSENIC (TOTAL)	2.5		0.78	0.78	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	BARIUM (TOTAL)	12		1.8	1.8	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.35		0.04	0.04	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	BORON (TOTAL)	3.5		0.44	0.44	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	CALCIUM (TOTAL)	356		64.1	64.1	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	CHROMIUM (TOTAL)	8.9		0.24	0.24	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	COBALT (TOTAL)	3.3		0.5	0.5	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	COPPER (TOTAL)	3.6		0.8	0.88	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	IRON (TOTAL)	8580		3.6	3.6	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	LEAD (TOTAL)	5.5		0.12	0.12	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1130		39.1	39.1	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	MANGANESE (TOTAL)	86.9		0.28	0.28	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	NICKEL (TOTAL)	4.5		0.4	0.4	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	POTASSIUM (TOTAL)	668		46.8	46.8	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	VANADIUM (TOTAL)	14.7		0.42	0.42	mg/Kg
SS102UB	AT117	10/2/2001	CL200.7	ZINC (TOTAL)	13.6		0.3	0.3	mg/Kg
SS102UB	AT117	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.031		0.0043	0.011	mg/Kg
SS102UB	AT117	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	122		1	2.1	mg/Kg
SS102UB	AT117	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	2140		0	0	mg/Kg
SS102UB	AT117	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	28	J	28	360	ug/Kg
SS102UB	AT117	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	8	ug/Kg
SS102UB	AT118	10/2/2001	CL200.7	ALUMINUM (TOTAL)	6130		4.1	4.1	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	ARSENIC (TOTAL)	2.3		0.26	0.26	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	BARIUM (TOTAL)	10.1		1.6	1.6	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.28		0.04	0.04	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	BORON (TOTAL)	2.8		0.39	0.39	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	CALCIUM (TOTAL)	412		56.3	56.3	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	CHROMIUM (TOTAL)	8.2		0.21	0.21	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	COBALT (TOTAL)	3.1		0.44	0.44	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	COPPER (TOTAL)	10.6		0.78	0.78	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	IRON (TOTAL)	7070		3.2	3.2	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UB	AT118	10/2/2001	CL200.7	LEAD (TOTAL)	6.8		0.11	0.11	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1010		34.3	34.3	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	MANGANESE (TOTAL)	79.8		0.25	0.25	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	NICKEL (TOTAL)	4.5		0.35	0.35	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	POTASSIUM (TOTAL)	522		41.1	41.1	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	VANADIUM (TOTAL)	11.9		0.37	0.37	mg/Kg
SS102UB	AT118	10/2/2001	CL200.7	ZINC (TOTAL)	28		0.26	0.26	mg/Kg
SS102UB	AT118	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.079		0.0043	0.011	mg/Kg
SS102UB	AT118	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	112		1	1.8	mg/Kg
SS102UB	AT118	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	2650		0	0	mg/Kg
SS102UB	AT118	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg
SS102UD	AT123	10/1/2001	CL200.7	ALUMINUM (TOTAL)	5640		1.5	1.5	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	BARIUM (TOTAL)	13.3		0.79	0.79	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.22		0.04	0.04	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	BORON (TOTAL)	2		0.44	0.44	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.05	J	0.04	0.04	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	CALCIUM (TOTAL)	351		63.2	63.2	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	CHROMIUM (TOTAL)	9.8		0.24	0.24	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	COBALT (TOTAL)	2.8		0.28	0.28	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	COPPER (TOTAL)	3.8	J	0.2	0.2	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	IRON (TOTAL)	7700		3.6	3.6	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	LEAD (TOTAL)	6.5	J	0.12	0.12	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1350		38.6	38.6	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	MANGANESE (TOTAL)	91.5		0.12	0.12	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	MOLYBDENUM (TOTAL)	3.4	J	0.5	0.57	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	NICKEL (TOTAL)	5.3		0.4	0.4	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	POTASSIUM (TOTAL)	615		46.2	46.2	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	VANADIUM (TOTAL)	14.7		0.42	0.42	mg/Kg
SS102UD	AT123	10/1/2001	CL200.7	ZINC (TOTAL)	13.5		0.18	0.18	mg/Kg
SS102UD	AT123	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.1	J	1.5	2.6	mg/Kg
SS102UD	AT123	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.033	J	0.0043	0.012	mg/Kg
SS102UD	AT123	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	106	J	1	2.3	mg/Kg
SS102UD	AT123	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	5200	J	0	0	mg/Kg
SS102UD	AT123	10/1/2001	CVOL	ACETONE	62	J	3.81	10	ug/Kg
SS102UD	AT123	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	10	ug/Kg
SS102UD	AT124	10/1/2001	CL200.7	ALUMINUM (TOTAL)	6140		1.7	1.7	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	BARIUM (TOTAL)	22.2		0.87	0.87	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.27		0.04	0.04	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	BORON (TOTAL)	2		0.48	0.48	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.04	J	0.04	0.04	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	CALCIUM (TOTAL)	2730		69.5	69.5	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	CHROMIUM (TOTAL)	8.6		0.26	0.26	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	COBALT (TOTAL)	2.7		0.31	0.31	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UD	AT124	10/1/2001	CL200.7	COPPER (TOTAL)	3.2	J	0.22	0.22	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	IRON (TOTAL)	7740		3.9	3.9	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	LEAD (TOTAL)	100	J	0.13	0.13	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1060		42.4	42.4	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	MANGANESE (TOTAL)	82.4		0.13	0.13	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	NICKEL (TOTAL)	4.6		0.44	0.44	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	POTASSIUM (TOTAL)	559		50.8	50.8	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	VANADIUM (TOTAL)	13.3		0.46	0.46	mg/Kg
SS102UD	AT124	10/1/2001	CL200.7	ZINC (TOTAL)	17		0.2	0.2	mg/Kg
SS102UD	AT124	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	1.5	2.5	mg/Kg
SS102UD	AT124	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.017	J	0.0043	0.011	mg/Kg
SS102UD	AT124	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	99.5	J	1	2.1	mg/Kg
SS102UD	AT124	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	3170	J	0	0	mg/Kg
SS102UD	AT124	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	30	J	30	360	ug/Kg
SS102UD	AT124	10/1/2001	CVOL	ACETONE	120	J	3.81	13	ug/Kg
SS102UD	AT124	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	3.6	13	ug/Kg
SS102UD	AT125	10/1/2001	CL200.7	ALUMINUM (TOTAL)	4100		1.6	1.6	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	BARIUM (TOTAL)	8.8		0.82	0.82	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.18	J	0.04	0.04	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	BORON (TOTAL)	1.5		0.45	0.45	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	CALCIUM (TOTAL)	366		65.1	65.1	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	CHROMIUM (TOTAL)	6		0.24	0.24	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	COBALT (TOTAL)	2.1		0.29	0.29	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	COPPER (TOTAL)	2	J	0.2	0.2	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	IRON (TOTAL)	5710		3.7	3.7	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	LEAD (TOTAL)	6.3	J	0.12	0.12	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	807		39.7	39.7	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	MANGANESE (TOTAL)	74		0.12	0.12	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	NICKEL (TOTAL)	3.5		0.41	0.41	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	POTASSIUM (TOTAL)	442		47.6	47.6	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	VANADIUM (TOTAL)	9.3		0.43	0.43	mg/Kg
SS102UD	AT125	10/1/2001	CL200.7	ZINC (TOTAL)	9.4		0.18	0.18	mg/Kg
SS102UD	AT125	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	1.5	2.3	mg/Kg
SS102UD	AT125	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.035	J	0.0043	0.011	mg/Kg
SS102UD	AT125	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	82	J	1	1.9	mg/Kg
SS102UD	AT125	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	968	J	0	0	mg/Kg
SS102UD	AT125	10/1/2001	CVOL	ACETONE	16	J	3.81	8	ug/Kg
SS102UD	AT125	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	8	ug/Kg
SS102UD	AT126	10/1/2001	CL200.7	ALUMINUM (TOTAL)	5000		1.7	1.7	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	BARIUM (TOTAL)	10.7		0.87	0.87	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.21	J	0.04	0.04	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	BORON (TOTAL)	1.7		0.48	0.48	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.06	J	0.04	0.04	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UD	AT126	10/1/2001	CL200.7	CALCIUM (TOTAL)	485		69.2	69.2	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	CHROMIUM (TOTAL)	6.6		0.26	0.26	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	COBALT (TOTAL)	3.1		0.3	0.3	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	COPPER (TOTAL)	2.5	J	0.22	0.22	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	IRON (TOTAL)	6800		3.9	3.9	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	LEAD (TOTAL)	8.6	J	0.13	0.13	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	815		42.2	42.2	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	MANGANESE (TOTAL)	101		0.13	0.13	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	NICKEL (TOTAL)	4.1		0.43	0.43	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	POTASSIUM (TOTAL)	508		50.6	50.6	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	VANADIUM (TOTAL)	11.4		0.46	0.46	mg/Kg
SS102UD	AT126	10/1/2001	CL200.7	ZINC (TOTAL)	13.1		0.2	0.2	mg/Kg
SS102UD	AT126	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.8	J	1.5	2.6	mg/Kg
SS102UD	AT126	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.017	J	0.0043	0.011	mg/Kg
SS102UD	AT126	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	102	J	1	2	mg/Kg
SS102UD	AT126	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	3130	J	0	0	mg/Kg
SS102UD	AT126	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	21	J	21	370	ug/Kg
SS102UD	AT126	10/1/2001	CVOL	ACETONE	18	J	3.81	8	ug/Kg
SS102UD	AT126	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	8	ug/Kg
SS102UE	AT127	10/1/2001	CL200.7	ALUMINUM (TOTAL)	6300		1.6	1.6	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	BARIUM (TOTAL)	29.8		0.81	0.81	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.2	J	0.04	0.04	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	BORON (TOTAL)	1.7		0.45	0.45	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.06	J	0.04	0.04	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	CALCIUM (TOTAL)	1390		64.8	64.8	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	CHROMIUM (TOTAL)	18.4		0.24	0.24	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	COBALT (TOTAL)	4.4		0.28	0.28	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	COPPER (TOTAL)	7		0.2	0.2	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	IRON (TOTAL)	8790		3.7	3.7	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	LEAD (TOTAL)	5.1	J	0.12	0.12	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	2800		39.5	39.5	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	MANGANESE (TOTAL)	104		0.12	0.12	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	NICKEL (TOTAL)	9.4		0.41	0.41	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	POTASSIUM (TOTAL)	1290		47.3	47.3	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	VANADIUM (TOTAL)	19.8		0.43	0.43	mg/Kg
SS102UE	AT127	10/1/2001	CL200.7	ZINC (TOTAL)	19.2		0.18	0.18	mg/Kg
SS102UE	AT127	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.2	J	1.5	2.6	mg/Kg
SS102UE	AT127	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.018	J	0.0043	0.011	mg/Kg
SS102UE	AT127	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	105	J	1	2	mg/Kg
SS102UE	AT127	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	3110	J	0	0	mg/Kg
SS102UE	AT127	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	360	ug/Kg
SS102UE	AT127	10/1/2001	CVOL	ACETONE	89	J	3.81	10	ug/Kg
SS102UE	AT127	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11		3.6	10	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UE	AT128	10/1/2001	CL200.7	ALUMINUM (TOTAL)	4530		1.6	1.6	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	BARIUM (TOTAL)	11.9		0.82	0.82	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.22		0.04	0.04	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	BORON (TOTAL)	2		0.45	0.45	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	CALCIUM (TOTAL)	364		65.5	65.5	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	CHROMIUM (TOTAL)	8.2		0.25	0.25	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	COBALT (TOTAL)	2.6		0.29	0.29	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	COPPER (TOTAL)	3.4	J	0.21	0.21	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	IRON (TOTAL)	6930		3.7	3.7	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	LEAD (TOTAL)	4.9	J	0.12	0.12	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1110		40	40	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	MANGANESE (TOTAL)	83.8		0.12	0.12	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	NICKEL (TOTAL)	4.9		0.41	0.41	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	POTASSIUM (TOTAL)	646		47.9	47.9	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	VANADIUM (TOTAL)	13.6		0.43	0.43	mg/Kg
SS102UE	AT128	10/1/2001	CL200.7	ZINC (TOTAL)	14.1		0.18	0.18	mg/Kg
SS102UE	AT128	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	3	J	1.5	2.6	mg/Kg
SS102UE	AT128	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.016	J	0.0043	0.011	mg/Kg
SS102UE	AT128	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	85.9	J	1	1.9	mg/Kg
SS102UE	AT128	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	1700	J	0	0	mg/Kg
SS102UE	AT128	10/1/2001	SW8270	DI-N-BUTYL PHTHALATE	32	J	32	350	ug/Kg
SS102UE	AT128	10/1/2001	CVOL	ACETONE	17	J	3.81	8	ug/Kg
SS102UE	AT128	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	8	ug/Kg
SS102UE	AT129	10/1/2001	CL200.7	ALUMINUM (TOTAL)	10500		1.6	1.6	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	ARSENIC (TOTAL)	4.6		0.32	0.32	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	BARIUM (TOTAL)	18		0.84	0.84	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.44		0.04	0.04	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	BORON (TOTAL)	4.1		0.46	0.46	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	CALCIUM (TOTAL)	340		67.1	67.1	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	CHROMIUM (TOTAL)	14.6		0.25	0.25	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	COBALT (TOTAL)	5.1		0.29	0.29	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	COPPER (TOTAL)	5.1	J	0.21	0.21	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	IRON (TOTAL)	12600		3.8	3.8	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	LEAD (TOTAL)	6.1	J	0.13	0.13	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	2000		41	41	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	MANGANESE (TOTAL)	108		0.13	0.13	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	NICKEL (TOTAL)	7.6		0.42	0.42	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	POTASSIUM (TOTAL)	1050		49	49	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	VANADIUM (TOTAL)	22.1		0.44	0.44	mg/Kg
SS102UE	AT129	10/1/2001	CL200.7	ZINC (TOTAL)	19		0.19	0.19	mg/Kg
SS102UE	AT129	10/1/2001	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	1.1	NJ	0.301	1.9	ug/Kg
SS102UE	AT129	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.7	J	1.5	2.6	mg/Kg
SS102UE	AT129	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.014	J	0.0043	0.011	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UE	AT129	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	95.2	J	1	1.9	mg/Kg
SS102UE	AT129	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	618	J	0	0	mg/Kg
SS102UE	AT129	10/1/2001	CVOL	ACETONE	15	J	3.81	10	ug/Kg
SS102UE	AT129	10/1/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102UE	AT129	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	10	ug/Kg
SS102UE	AT130	10/1/2001	CL200.7	ALUMINUM (TOTAL)	5160		1.5	1.5	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	ARSENIC (TOTAL)	3.1		0.3	0.3	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	BARIUM (TOTAL)	11.1		0.8	0.8	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.22		0.04	0.04	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	BORON (TOTAL)	2.4		0.44	0.44	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.05	J	0.04	0.04	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	CALCIUM (TOTAL)	221		63.8	63.8	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	CHROMIUM (TOTAL)	7.8		0.24	0.24	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	COBALT (TOTAL)	3		0.28	0.28	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	COPPER (TOTAL)	2.6	J	0.2	0.2	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	IRON (TOTAL)	7030		3.6	3.6	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	LEAD (TOTAL)	13.3	J	0.12	0.12	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	959		38.9	38.9	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	MANGANESE (TOTAL)	78.4		0.12	0.12	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	NICKEL (TOTAL)	4.2		0.4	0.4	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	POTASSIUM (TOTAL)	596		46.6	46.6	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	VANADIUM (TOTAL)	12.3		0.42	0.42	mg/Kg
SS102UE	AT130	10/1/2001	CL200.7	ZINC (TOTAL)	12.6		0.18	0.18	mg/Kg
SS102UE	AT130	10/1/2001	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	1.4	NJ	0.301	1.8	ug/Kg
SS102UE	AT130	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	1.5	2.6	mg/Kg
SS102UE	AT130	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.021	J	0.0043	0.011	mg/Kg
SS102UE	AT130	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.7	J	1	1.7	mg/Kg
SS102UE	AT130	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	719	J	0	0	mg/Kg
SS102UE	AT130	10/1/2001	CVOL	ACETONE	33	J	3.81	9	ug/Kg
SS102UE	AT130	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9		3.6	9	ug/Kg
SS102UF	AT131	10/2/2001	CL200.7	ALUMINUM (TOTAL)	9540		4.5	4.5	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	ARSENIC (TOTAL)	3.3		0.29	0.29	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	BARIUM (TOTAL)	18.6		1.7	1.7	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.38		0.04	0.04	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	BORON (TOTAL)	4.1		0.43	0.43	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	CALCIUM (TOTAL)	705		61.7	61.7	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	CHROMIUM (TOTAL)	12.6		0.23	0.23	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	COBALT (TOTAL)	3.7		0.48	0.48	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	COPPER (TOTAL)	15.2		0.8	0.85	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	IRON (TOTAL)	10600		3.5	3.5	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	LEAD (TOTAL)	11.2		0.12	0.12	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1440		37.7	37.7	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	MANGANESE (TOTAL)	82.6		0.27	0.27	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UF	AT131	10/2/2001	CL200.7	NICKEL (TOTAL)	8.8		0.39	0.39	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	POTASSIUM (TOTAL)	815		45.1	45.1	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	VANADIUM (TOTAL)	28.7		0.41	0.41	mg/Kg
SS102UF	AT131	10/2/2001	CL200.7	ZINC (TOTAL)	20.8		0.29	0.29	mg/Kg
SS102UF	AT131	10/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	1.5	2.7	mg/Kg
SS102UF	AT131	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.016		0.0043	0.011	mg/Kg
SS102UF	AT131	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	135		1	2.2	mg/Kg
SS102UF	AT131	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	6330		0	0	mg/Kg
SS102UF	AT131	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19	J	19	370	ug/Kg
SS102UF	AT131	10/2/2001	CVOL	ACETONE	160	J	3.81	10	ug/Kg
SS102UF	AT131	10/2/2001	CVOL	BROMOMETHANE	2	J	2	10	ug/Kg
SS102UF	AT131	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	3.6	10	ug/Kg
SS102UF	AT132	10/2/2001	CL200.7	ALUMINUM (TOTAL)	8910		4.6	4.6	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	ARSENIC (TOTAL)	2.9		0.76	0.76	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	BARIUM (TOTAL)	15.5		1.7	1.7	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.4		0.04	0.04	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	BORON (TOTAL)	4.1		0.43	0.43	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	CALCIUM (TOTAL)	807		61.8	61.8	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	CHROMIUM (TOTAL)	11.4		0.23	0.23	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	COBALT (TOTAL)	3.7		0.48	0.48	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	COPPER (TOTAL)	5.2		0.8	0.85	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	IRON (TOTAL)	10300		3.5	3.5	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	LEAD (TOTAL)	8		0.12	0.12	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1280		37.7	37.7	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	MANGANESE (TOTAL)	75.2		0.27	0.27	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	NICKEL (TOTAL)	18.5		0.39	0.39	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	POTASSIUM (TOTAL)	699		45.1	45.1	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	SILVER (TOTAL)	0.36	J	0.29	0.29	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	VANADIUM (TOTAL)	64.7		0.41	0.41	mg/Kg
SS102UF	AT132	10/2/2001	CL200.7	ZINC (TOTAL)	16		0.29	0.29	mg/Kg
SS102UF	AT132	10/2/2001	CPEST	P,P'-DDT	3.1	NJ	1.63	3.7	ug/Kg
SS102UF	AT132	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.012		0.0043	0.011	mg/Kg
SS102UF	AT132	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	127		1	2.2	mg/Kg
SS102UF	AT132	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	5680		0	0	mg/Kg
SS102UF	AT132	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	370	ug/Kg
SS102UF	AT132	10/2/2001	CVOL	ACETONE	68	J	3.81	9	ug/Kg
SS102UF	AT132	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	9	ug/Kg
SS102UF	AT133	10/2/2001	CL200.7	ALUMINUM (TOTAL)	9170		5.2	5.2	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	ARSENIC (TOTAL)	2.8		0.86	0.86	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	BARIUM (TOTAL)	16.1		2	2	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.43		0.04	0.04	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	BORON (TOTAL)	4.4		0.48	0.48	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	CALCIUM (TOTAL)	872		70.1	70.1	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UF	AT133	10/2/2001	CL200.7	CHROMIUM (TOTAL)	12.4		0.26	0.26	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	COBALT (TOTAL)	4		0.55	0.55	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	COPPER (TOTAL)	5.1		0.8	0.97	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	IRON (TOTAL)	11200		4	4	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	LEAD (TOTAL)	8		0.13	0.13	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1460		42.7	42.7	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	MANGANESE (TOTAL)	89.8		0.31	0.31	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	NICKEL (TOTAL)	13.2		0.44	0.44	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	POTASSIUM (TOTAL)	761		51.2	51.2	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	VANADIUM (TOTAL)	51.3		0.46	0.46	mg/Kg
SS102UF	AT133	10/2/2001	CL200.7	ZINC (TOTAL)	16.9		0.33	0.33	mg/Kg
SS102UF	AT133	10/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	1.5	2.7	mg/Kg
SS102UF	AT133	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.015		0.0043	0.011	mg/Kg
SS102UF	AT133	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	127		1	2.2	mg/Kg
SS102UF	AT133	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	7350		0	0	mg/Kg
SS102UF	AT133	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	17	J	17	370	ug/Kg
SS102UF	AT133	10/2/2001	CVOL	ACETONE	86	J	3.81	17	ug/Kg
SS102UF	AT133	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	17	ug/Kg
SS102UF	AT134	10/2/2001	CL200.7	ALUMINUM (TOTAL)	7480		5.2	5.3	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	ARSENIC (TOTAL)	2.6		0.89	0.89	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	BARIUM (TOTAL)	18.5		2	2	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.34		0.05	0.05	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	BORON (TOTAL)	4.2		0.5	0.5	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	CALCIUM (TOTAL)	3020		72.6	72.6	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	CHROMIUM (TOTAL)	9.5		0.27	0.27	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	COBALT (TOTAL)	3.1		0.57	0.57	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	COPPER (TOTAL)	7.7		0.8	1	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	IRON (TOTAL)	9550		4.1	4.1	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	LEAD (TOTAL)	8.9		0.14	0.14	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1380		44.3	44.3	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	MANGANESE (TOTAL)	73.5		0.32	0.32	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	NICKEL (TOTAL)	6.5		0.45	0.45	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	POTASSIUM (TOTAL)	644		53	53	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	VANADIUM (TOTAL)	46.1		0.48	0.48	mg/Kg
SS102UF	AT134	10/2/2001	CL200.7	ZINC (TOTAL)	15		0.34	0.34	mg/Kg
SS102UF	AT134	10/2/2001	CPEST	P,P'-DDT	2.1	J	1.63	3.8	ug/Kg
SS102UF	AT134	10/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	5	J	1.5	2.8	mg/Kg
SS102UF	AT134	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.014		0.0043	0.012	mg/Kg
SS102UF	AT134	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	108		1	2.1	mg/Kg
SS102UF	AT134	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	6940		0	0	mg/Kg
SS102UF	AT134	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	380	ug/Kg
SS102UF	AT134	10/2/2001	CVOL	ACETONE	40	J	3.81	9	ug/Kg
SS102UF	AT134	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	9	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UH	AT140	10/1/2001	CL200.7	ALUMINUM (TOTAL)	17600		1.6	1.6	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	ANTIMONY (TOTAL)	0.58	J	0.45	0.45	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	ARSENIC (TOTAL)	5.5		0.31	0.31	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	BARIUM (TOTAL)	39.5		0.81	0.81	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.52		0.04	0.04	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	BORON (TOTAL)	2.3		0.45	0.45	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.2		0.04	0.04	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	CALCIUM (TOTAL)	889		65	65	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	CHROMIUM (TOTAL)	30.5		0.24	0.24	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	COBALT (TOTAL)	7.1		0.29	0.29	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	COPPER (TOTAL)	15.4		0.2	0.2	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	IRON (TOTAL)	19400		3.7	3.7	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	LEAD (TOTAL)	12.1	J	0.12	0.12	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	3980		39.6	39.6	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	MANGANESE (TOTAL)	147		0.12	0.12	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	MOLYBDENUM (TOTAL)	0.73	J	0.5	0.59	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	NICKEL (TOTAL)	15.7		0.41	0.41	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	POTASSIUM (TOTAL)	1750		47.5	47.5	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	VANADIUM (TOTAL)	40.3		0.43	0.43	mg/Kg
SS102UH	AT140	10/1/2001	CL200.7	ZINC (TOTAL)	37.8		0.18	0.18	mg/Kg
SS102UH	AT140	10/1/2001	CPEST	P,P'-DDT	2.5	NJ	1.63	4.2	ug/Kg
SS102UH	AT140	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	10.6	J	1.5	3	mg/Kg
SS102UH	AT140	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.023	J	0.0043	0.013	mg/Kg
SS102UH	AT140	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.7	J	1	2.1	mg/Kg
SS102UH	AT140	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	12600	J	0	0	mg/Kg
SS102UH	AT140	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	38	J	38	410	ug/Kg
SS102UH	AT140	10/1/2001	CVOL	ACETONE	140	J	3.81	11	ug/Kg
SS102UH	AT140	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	3.6	11	ug/Kg
SS102UH	AT141	10/1/2001	CL200.7	ALUMINUM (TOTAL)	7440		1.4	1.4	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	ARSENIC (TOTAL)	3.4		0.28	0.28	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	BARIUM (TOTAL)	12.1		0.74	0.74	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.28		0.04	0.04	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	BORON (TOTAL)	1.8		0.41	0.41	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.06	J	0.04	0.04	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	CALCIUM (TOTAL)	293		58.8	58.8	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	CHROMIUM (TOTAL)	10.6		0.22	0.22	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	COBALT (TOTAL)	3.3		0.26	0.26	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	COPPER (TOTAL)	4.7	J	0.18	0.18	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	IRON (TOTAL)	9720		3.3	3.3	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	LEAD (TOTAL)	6.5	J	0.11	0.11	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1150		35.8	35.8	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	MANGANESE (TOTAL)	85.1		0.11	0.11	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	NICKEL (TOTAL)	5.9		0.37	0.37	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UH	AT141	10/1/2001	CL200.7	POTASSIUM (TOTAL)	686		42.9	42.9	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	VANADIUM (TOTAL)	19.2		0.39	0.39	mg/Kg
SS102UH	AT141	10/1/2001	CL200.7	ZINC (TOTAL)	13.4		0.17	0.17	mg/Kg
SS102UH	AT141	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.9	J	1.5	2.6	mg/Kg
SS102UH	AT141	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.018	J	0.0043	0.011	mg/Kg
SS102UH	AT141	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	98.2	J	1	1.9	mg/Kg
SS102UH	AT141	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	3460	J	0	0	mg/Kg
SS102UH	AT141	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	370	ug/Kg
SS102UH	AT141	10/1/2001	SW8330	TETRYL	140		28.5	120	ug/Kg
SS102UH	AT141	10/1/2001	CVOL	ACETONE	45	J	3.81	7	ug/Kg
SS102UH	AT141	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	7	ug/Kg
SS102UH	AT141	10/1/2001	CVOL	TOLUENE	0.9	J	0.9	7	ug/Kg
SS102UH	AT142	10/1/2001	CL200.7	ALUMINUM (TOTAL)	6000		1.5	1.5	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	ARSENIC (TOTAL)	3.2		0.3	0.3	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	BARIUM (TOTAL)	10.4		0.8	0.8	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.29	J	0.04	0.04	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	BORON (TOTAL)	1.6		0.44	0.44	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.07	J	0.04	0.04	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	CALCIUM (TOTAL)	394		63.9	63.9	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	CHROMIUM (TOTAL)	8.5		0.24	0.24	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	COBALT (TOTAL)	2.9		0.28	0.28	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	COPPER (TOTAL)	2.9	J	0.2	0.2	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	IRON (TOTAL)	8570		3.6	3.6	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	LEAD (TOTAL)	5.5	J	0.12	0.12	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1060		39	39	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	MANGANESE (TOTAL)	78.1		0.12	0.12	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	NICKEL (TOTAL)	4.6		0.4	0.4	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	POTASSIUM (TOTAL)	644		46.6	46.6	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	VANADIUM (TOTAL)	15.3		0.42	0.42	mg/Kg
SS102UH	AT142	10/1/2001	CL200.7	ZINC (TOTAL)	11.3		0.18	0.18	mg/Kg
SS102UH	AT142	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.2	J	1.5	2.3	mg/Kg
SS102UH	AT142	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.029	J	0.0043	0.011	mg/Kg
SS102UH	AT142	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103	J	1	2	mg/Kg
SS102UH	AT142	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	1570	J	0	0	mg/Kg
SS102UH	AT142	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	26	360	ug/Kg
SS102UH	AT142	10/1/2001	CVOL	ACETONE	26	J	3.81	8	ug/Kg
SS102UH	AT142	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	8	ug/Kg
SS102UH	AT143	10/1/2001	CL200.7	ALUMINUM (TOTAL)	7750		1.6	1.6	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	ARSENIC (TOTAL)	3.6		0.3	0.3	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	BARIUM (TOTAL)	11.7		0.81	0.81	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.3		0.04	0.04	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	BORON (TOTAL)	1.2		0.45	0.45	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.08		0.04	0.04	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UH	AT143	10/1/2001	CL200.7	CALCIUM (TOTAL)	236		64.6	64.6	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	CHROMIUM (TOTAL)	10.2		0.24	0.24	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	COBALT (TOTAL)	2.9		0.28	0.28	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	COPPER (TOTAL)	5.1	J	0.2	0.2	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	IRON (TOTAL)	10100		3.6	3.6	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	LEAD (TOTAL)	6.1	J	0.12	0.12	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1040		39.4	39.4	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	MANGANESE (TOTAL)	76.2		0.12	0.12	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	NICKEL (TOTAL)	5.4		0.4	0.4	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	POTASSIUM (TOTAL)	625		47.1	47.1	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	VANADIUM (TOTAL)	17.3		0.42	0.42	mg/Kg
SS102UH	AT143	10/1/2001	CL200.7	ZINC (TOTAL)	14.7		0.18	0.18	mg/Kg
SS102UH	AT143	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.3	J	1.5	2.8	mg/Kg
SS102UH	AT143	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.097	J	0.0043	0.012	mg/Kg
SS102UH	AT143	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	77.4	J	1	2.1	mg/Kg
SS102UH	AT143	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	5270	J	0	0	mg/Kg
SS102UH	AT143	10/1/2001	CVOL	ACETONE	96	J	3.81	11	ug/Kg
SS102UH	AT143	10/1/2001	CVOL	BROMOFORM	2	J	2	11	ug/Kg
SS102UH	AT143	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	3.6	11	ug/Kg
SS102UH	AT144	10/1/2001	CL200.7	ALUMINUM (TOTAL)	9860		1.7	1.7	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	ARSENIC (TOTAL)	4		0.32	0.32	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	BARIUM (TOTAL)	13.6		0.86	0.86	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	BERYLLIUM (TOTAL)	0.3	J	0.04	0.04	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	BORON (TOTAL)	1.6		0.47	0.47	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	CADMIUM (TOTAL)	0.05	J	0.04	0.04	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	CALCIUM (TOTAL)	300		68.7	68.7	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	CHROMIUM (TOTAL)	12.2		0.26	0.26	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	COBALT (TOTAL)	3.1		0.3	0.3	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	COPPER (TOTAL)	3.5	J	0.22	0.22	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	IRON (TOTAL)	11200		3.9	3.9	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	LEAD (TOTAL)	7.3	J	0.13	0.13	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	MAGNESIUM (TOTAL)	1090		41.9	41.9	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	MANGANESE (TOTAL)	77.2		0.13	0.13	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	NICKEL (TOTAL)	5.6		0.43	0.43	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	POTASSIUM (TOTAL)	681		50.2	50.2	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	VANADIUM (TOTAL)	19.8		0.45	0.45	mg/Kg
SS102UH	AT144	10/1/2001	CL200.7	ZINC (TOTAL)	13.3		0.19	0.19	mg/Kg
SS102UH	AT144	10/1/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.4	J	1.5	2.6	mg/Kg
SS102UH	AT144	10/1/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.13	J	0.0043	0.012	mg/Kg
SS102UH	AT144	10/1/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	91.1	J	1	1.9	mg/Kg
SS102UH	AT144	10/1/2001	LYDKHN	TOTAL ORGANIC CARBON	7000	J	0	0	mg/Kg
SS102UH	AT144	10/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	370	ug/Kg
SS102UH	AT144	10/1/2001	CVOL	ACETONE	65	J	3.81	9	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UH	AT144	10/1/2001	CVOL	BROMOFORM	2	J	2	9	ug/Kg
SS102UH	AT144	10/1/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	3.6	9	ug/Kg
SS102UI	AT145	10/2/2001	CL200.7	ALUMINUM (TOTAL)	11400		5.2	5.4	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	ARSENIC (TOTAL)	3.4		0.89	0.89	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	BARIUM (TOTAL)	31.2		2.1	2.1	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.33		0.05	0.05	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	BORON (TOTAL)	4.8		0.5	0.5	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	CALCIUM (TOTAL)	679		72.9	72.9	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	CHROMIUM (TOTAL)	21.3		0.27	0.27	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	COBALT (TOTAL)	5.4		0.57	0.57	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	COPPER (TOTAL)	7.8		0.8	1	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	IRON (TOTAL)	12800		4.1	4.1	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	LEAD (TOTAL)	7.6		0.14	0.14	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	2880		44.4	44.4	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	MANGANESE (TOTAL)	105		0.32	0.32	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	NICKEL (TOTAL)	10.4		0.46	0.46	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	POTASSIUM (TOTAL)	1340		53.2	53.2	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	VANADIUM (TOTAL)	24.9		0.48	0.48	mg/Kg
SS102UI	AT145	10/2/2001	CL200.7	ZINC (TOTAL)	27.7		0.34	0.34	mg/Kg
SS102UI	AT145	10/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.1	J	1.5	2.8	mg/Kg
SS102UI	AT145	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.015		0.0043	0.012	mg/Kg
SS102UI	AT145	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	129		1	2	mg/Kg
SS102UI	AT145	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	8900		0	0	mg/Kg
SS102UI	AT145	10/2/2001	SW8270	BENZOIC ACID	40	J	40	980	ug/Kg
SS102UI	AT145	10/2/2001	CVOL	ACETONE	100	J	3.81	10	ug/Kg
SS102UI	AT145	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	3.6	10	ug/Kg
SS102UI	AT146	10/2/2001	CL200.7	ALUMINUM (TOTAL)	11000		5.2	5.7	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	ARSENIC (TOTAL)	3.1		0.95	0.95	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	BARIUM (TOTAL)	36.6		2.2	2.2	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.37		0.05	0.05	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	BORON (TOTAL)	4.7		0.54	0.54	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	CALCIUM (TOTAL)	726		77.6	77.6	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	CHROMIUM (TOTAL)	21.1		0.29	0.29	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	COBALT (TOTAL)	5.4		0.61	0.61	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	COPPER (TOTAL)	7		0.8	1.1	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	IRON (TOTAL)	12500		4.4	4.4	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	LEAD (TOTAL)	8.3		0.15	0.15	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	2930		47.4	47.4	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	MANGANESE (TOTAL)	104		0.34	0.34	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	NICKEL (TOTAL)	10.4		0.49	0.49	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	POTASSIUM (TOTAL)	1550		56.7	56.7	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	VANADIUM (TOTAL)	25.3		0.51	0.51	mg/Kg
SS102UI	AT146	10/2/2001	CL200.7	ZINC (TOTAL)	24.7		0.36	0.36	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UI	AT146	10/2/2001	CPEST	P,P'-DDT	2.2	J	1.63	4.1	ug/Kg
SS102UI	AT146	10/2/2001	CPEST	PCB-1260 (AROCHLOR 1260)	23	J	3.02	41	ug/Kg
SS102UI	AT146	10/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.9	J	1.5	2.8	mg/Kg
SS102UI	AT146	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.0043	0.013	mg/Kg
SS102UI	AT146	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	148		1	2.3	mg/Kg
SS102UI	AT146	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	8990		0	0	mg/Kg
SS102UI	AT146	10/2/2001	SW8270	BENZOIC ACID	81	J	81	1000	ug/Kg
SS102UI	AT146	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	410	ug/Kg
SS102UI	AT146	10/2/2001	CVOL	ACETONE	140	J	3.81	25	ug/Kg
SS102UI	AT146	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	3.6	25	ug/Kg
SS102UI	AT147	10/2/2001	CL200.7	ALUMINUM (TOTAL)	10600		5.1	5.1	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	ARSENIC (TOTAL)	3.2		0.85	0.85	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	BARIUM (TOTAL)	22.8		2	2	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.42		0.04	0.04	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	BORON (TOTAL)	5.2		0.48	0.48	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	CALCIUM (TOTAL)	615		69.3	69.3	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	CHROMIUM (TOTAL)	15.8		0.26	0.26	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	COBALT (TOTAL)	4.6		0.54	0.54	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	COPPER (TOTAL)	5.7		0.8	0.96	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	IRON (TOTAL)	12000		3.9	3.9	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	LEAD (TOTAL)	9.2		0.13	0.13	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	2040		42.3	42.3	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	MANGANESE (TOTAL)	93.6		0.3	0.3	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	NICKEL (TOTAL)	8.1		0.43	0.43	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	POTASSIUM (TOTAL)	1060		50.6	50.6	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	VANADIUM (TOTAL)	22.3		0.46	0.46	mg/Kg
SS102UI	AT147	10/2/2001	CL200.7	ZINC (TOTAL)	19.5		0.33	0.33	mg/Kg
SS102UI	AT147	10/2/2001	CPEST	P,P'-DDT	2.9	J	1.63	3.9	ug/Kg
SS102UI	AT147	10/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.8	J	1.5	2.7	mg/Kg
SS102UI	AT147	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.025		0.0043	0.012	mg/Kg
SS102UI	AT147	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	145		1	2.3	mg/Kg
SS102UI	AT147	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	12200		0	0	mg/Kg
SS102UI	AT147	10/2/2001	SW8270	BENZOIC ACID	52	J	52	980	ug/Kg
SS102UI	AT147	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	29	J	29	390	ug/Kg
SS102UI	AT147	10/2/2001	CVOL	ACETONE	82	J	3.81	10	ug/Kg
SS102UI	AT147	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	10	ug/Kg
SS102UI	AT148	10/2/2001	CL200.7	ALUMINUM (TOTAL)	7130		5	5	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	ARSENIC (TOTAL)	3.3		0.32	0.32	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	BARIUM (TOTAL)	15		1.9	1.9	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.32		0.04	0.04	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	BORON (TOTAL)	4.1		0.47	0.47	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	CALCIUM (TOTAL)	870		67.7	67.7	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	CHROMIUM (TOTAL)	9.2		0.25	0.25	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UI	AT148	10/2/2001	CL200.7	COBALT (TOTAL)	3.4		0.53	0.53	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	COPPER (TOTAL)	4.4		0.8	0.93	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	IRON (TOTAL)	9200		3.8	3.8	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	LEAD (TOTAL)	9.2		0.13	0.13	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1100		41.3	41.3	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	MANGANESE (TOTAL)	88.2		0.3	0.3	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	NICKEL (TOTAL)	5		0.42	0.42	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	POTASSIUM (TOTAL)	674		49.4	49.4	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	VANADIUM (TOTAL)	16.8		0.45	0.45	mg/Kg
SS102UI	AT148	10/2/2001	CL200.7	ZINC (TOTAL)	13		0.32	0.32	mg/Kg
SS102UI	AT148	10/2/2001	CPEST	P,P'-DDE	3.6	J	0.523	3.6	ug/Kg
SS102UI	AT148	10/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.6	J	1.5	2.5	mg/Kg
SS102UI	AT148	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.094		0.0043	0.011	mg/Kg
SS102UI	AT148	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	128		1	2.2	mg/Kg
SS102UI	AT148	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	7020		0	0	mg/Kg
SS102UI	AT148	10/2/2001	SW8270	BENZOIC ACID	27	J	27	920	ug/Kg
SS102UI	AT148	10/2/2001	CVOL	ACETONE	95	J	3.81	16	ug/Kg
SS102UI	AT148	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	16	ug/Kg
SS102UI	AT148	10/2/2001	CVOL	TOLUENE	3	J	2.37	16	ug/Kg
SS102UI	AT149	10/2/2001	CL200.7	ALUMINUM (TOTAL)	16100		5.2	5.6	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	ARSENIC (TOTAL)	3.9		0.92	0.92	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	BARIUM (TOTAL)	31.2		2.1	2.1	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	BERYLLIUM (TOTAL)	0.46		0.05	0.05	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	BORON (TOTAL)	5.7		0.52	0.52	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	CALCIUM (TOTAL)	539		75.4	75.4	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	CHROMIUM (TOTAL)	18.3		0.28	0.28	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	COBALT (TOTAL)	4.4		0.59	0.59	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	COPPER (TOTAL)	3.8		0.8	1	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	IRON (TOTAL)	15500		4.3	4.3	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	LEAD (TOTAL)	10.8		0.14	0.14	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	MAGNESIUM (TOTAL)	1550		46	46	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	MANGANESE (TOTAL)	76.3		0.33	0.33	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	NICKEL (TOTAL)	8.2		0.47	0.47	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	POTASSIUM (TOTAL)	922		55	55	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	VANADIUM (TOTAL)	27.7		0.5	0.5	mg/Kg
SS102UI	AT149	10/2/2001	CL200.7	ZINC (TOTAL)	18.2		0.35	0.35	mg/Kg
SS102UI	AT149	10/2/2001	CPEST	P,P'-DDE	3.2	J	0.523	4	ug/Kg
SS102UI	AT149	10/2/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.4	J	1.5	2.9	mg/Kg
SS102UI	AT149	10/2/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.35		0.0043	0.012	mg/Kg
SS102UI	AT149	10/2/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	123		1	2.1	mg/Kg
SS102UI	AT149	10/2/2001	LYDKHN	TOTAL ORGANIC CARBON	20100		0	0	mg/Kg
SS102UI	AT149	10/2/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	400	ug/Kg
SS102UI	AT149	10/2/2001	SW8270	DI-N-BUTYL PHTHALATE	31	J	31	400	ug/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102UI	AT149	10/2/2001	CVOL	ACETONE	100	J	3.81	10	ug/Kg
SS102UI	AT149	10/2/2001	CVOL	CARBON DISULFIDE	2	J	2	10	ug/Kg
SS102UI	AT149	10/2/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	3.6	10	ug/Kg
SS102UI	AT149	10/2/2001	CVOL	TOLUENE	4	J	2.37	10	ug/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	ALUMINUM (TOTAL)	6500		3.2	19.5848	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.67	J	0.33	5.8754	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	ARSENIC (TOTAL)	2.7		0.29	0.9792	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	BARIUM (TOTAL)	17.4	J	0.49	19.5848	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.029	0.4896	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	BORON (TOTAL)	5.6	J	0.29	9.7924	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	CADMIUM (TOTAL)	4.3		0.059	0.4896	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	CALCIUM (TOTAL)	650		13.4	489.6201	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	CHROMIUM (TOTAL)	17.5		0.11	0.9792	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	COBALT (TOTAL)	4.2	J	0.17	4.8962	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	COPPER (TOTAL)	23.8		0.25	2.4481	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	IRON (TOTAL)	9550		4.7	9.7924	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	LEAD (TOTAL)	7.5		0.15	0.2938	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	2520		13.8	489.6201	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	MANGANESE (TOTAL)	120		0.049	1.4689	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.36	J	0.14	0.9792	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	NICKEL (TOTAL)	14.1		0.16	3.917	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	POTASSIUM (TOTAL)	766		19.2	489.6201	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	VANADIUM (TOTAL)	14.9		0.16	4.8962	mg/Kg
SS102YD	J3AD01-A	6/23/2004	SW6010B	ZINC (TOTAL)	31.4		0.18	1.9585	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	ALUMINUM (TOTAL)	6270		3.4	20.4328	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.47	J	0.35	6.1298	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	ARSENIC (TOTAL)	2.8		0.31	1.0216	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	BARIUM (TOTAL)	13.8	J	0.51	20.4328	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.031	0.5108	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	BORON (TOTAL)	5.1	J	0.31	10.2164	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	CADMIUM (TOTAL)	1.1		0.061	0.5108	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	CALCIUM (TOTAL)	386	J	14	510.8191	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	CHROMIUM (TOTAL)	12.2		0.11	1.0216	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	COBALT (TOTAL)	3.2	J	0.17	5.1082	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	COPPER (TOTAL)	7.2		0.27	2.5541	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	IRON (TOTAL)	8840		4.9	10.2164	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	LEAD (TOTAL)	5.5		0.15	0.3065	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	1550		14.4	510.8191	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	MANGANESE (TOTAL)	84.1		0.051	1.5325	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.36	J	0.14	1.0216	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	NICKEL (TOTAL)	6.6		0.16	4.0866	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	POTASSIUM (TOTAL)	650		20.1	510.8191	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	SELENIUM (TOTAL)	0.53		0.33	0.5108	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YD	J3AD01-B	6/23/2004	SW6010B	VANADIUM (TOTAL)	13.8		0.16	5.1082	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW6010B	ZINC (TOTAL)	17.2		0.18	2.0433	mg/Kg
SS102YD	J3AD01-B	6/23/2004	SW8270C	PENTACHLOROPHENOL	92	J	45.9	920	ug/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	ALUMINUM (TOTAL)	9090		3.9	23.5388	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.63	J	0.4	7.0616	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	ARSENIC (TOTAL)	3.3		0.35	1.1769	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	BARIUM (TOTAL)	14.2	J	0.59	23.5388	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.035	0.5885	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	BORON (TOTAL)	6.1	J	0.35	11.7694	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	CALCIUM (TOTAL)	144	J	16.1	588.4707	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	CHROMIUM (TOTAL)	12.4		0.13	1.1769	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	COBALT (TOTAL)	2.8	J	0.2	5.8847	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	COPPER (TOTAL)	6.6		0.31	2.9424	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	IRON (TOTAL)	10600		5.6	11.7694	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	LEAD (TOTAL)	6		0.18	0.3531	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	1250		16.5	588.4707	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	MANGANESE (TOTAL)	56.1		0.059	1.7654	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.5	J	0.16	1.1769	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	NICKEL (TOTAL)	5.5		0.19	4.7078	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	POTASSIUM (TOTAL)	581	J	23.1	588.4707	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	SELENIUM (TOTAL)	0.57	J	0.38	0.5885	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	VANADIUM (TOTAL)	16.6		0.19	5.8847	mg/Kg
SS102YD	J3AD01-C	6/23/2004	SW6010B	ZINC (TOTAL)	12.2		0.21	2.3539	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	ALUMINUM (TOTAL)	6490		3.2	19.6032	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.44	J	0.33	5.881	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	ARSENIC (TOTAL)	3.2		0.29	0.9802	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	BARIUM (TOTAL)	15.1	J	0.49	19.6032	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.25	J	0.029	0.4901	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	BORON (TOTAL)	6.4	J	0.29	9.8016	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	CALCIUM (TOTAL)	525		13.4	490.0808	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	CHROMIUM (TOTAL)	17.5		0.11	0.9802	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	COBALT (TOTAL)	3.8	J	0.17	4.9008	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	COPPER (TOTAL)	23.5		0.25	2.4504	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	IRON (TOTAL)	10700		4.7	9.8016	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	LEAD (TOTAL)	7.3		0.15	0.294	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	1930		13.8	490.0808	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	MANGANESE (TOTAL)	140		0.049	1.4702	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	2.5		0.14	0.9802	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	NICKEL (TOTAL)	14.1		0.16	3.9206	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	POTASSIUM (TOTAL)	715		19.3	490.0808	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	VANADIUM (TOTAL)	14		0.16	4.9008	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW6010B	ZINC (TOTAL)	19.4		0.18	1.9603	mg/Kg
SS102YE	J3AD02-A	6/23/2004	SW8270C	DI-N-BUTYL PHTHALATE	1000		27	350	ug/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YE	J3AD02-A	6/23/2004	SW8270C	NITROGLYCERIN	47	TI	0	0	ug/Kg
SS102YE	J3AD02-A	6/23/2004	SW8270C	N-NITROSODIPHENYLAMINE	76	J	29	350	ug/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	ALUMINUM (TOTAL)	5240		3.1	19.1477	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.51	J	0.33	5.7443	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	ARSENIC (TOTAL)	2.4		0.29	0.9574	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	BARIUM (TOTAL)	14.5	J	0.48	19.1477	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.029	0.4787	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	BORON (TOTAL)	4.4	J	0.29	9.5739	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	CALCIUM (TOTAL)	562		13.1	478.6934	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	CHROMIUM (TOTAL)	10.3		0.11	0.9574	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	COBALT (TOTAL)	2.8	J	0.16	4.7869	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	COPPER (TOTAL)	12		0.25	2.3935	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	IRON (TOTAL)	7140		4.6	9.5739	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	LEAD (TOTAL)	5.4		0.14	0.2872	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	1390		13.5	478.6934	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	MANGANESE (TOTAL)	68.9		0.048	1.4361	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.73	J	0.13	0.9574	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	NICKEL (TOTAL)	6.3		0.15	3.8295	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	POTASSIUM (TOTAL)	559		18.8	478.6934	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	VANADIUM (TOTAL)	11.9		0.15	4.7869	mg/Kg
SS102YE	J3AD02-B	6/23/2004	SW6010B	ZINC (TOTAL)	11.6		0.17	1.9148	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	ALUMINUM (TOTAL)	8260		3.5	21.4059	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.52	J	0.36	6.4218	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	ARSENIC (TOTAL)	2.8		0.32	1.0703	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	BARIUM (TOTAL)	36.5		0.54	21.4059	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.032	0.5351	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	BORON (TOTAL)	6.1	J	0.32	10.703	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	CALCIUM (TOTAL)	1520		14.7	535.1486	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	CHROMIUM (TOTAL)	30.8		0.12	1.0703	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	COBALT (TOTAL)	5.3	J	0.18	5.3515	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	COPPER (TOTAL)	12.9		0.28	2.6757	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	IRON (TOTAL)	11200		5.1	10.703	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	LEAD (TOTAL)	5.5		0.16	0.3211	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	3500		15	535.1486	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	MANGANESE (TOTAL)	102		0.053	1.6054	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.49	J	0.15	1.0703	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	NICKEL (TOTAL)	12.9		0.17	4.2812	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	POTASSIUM (TOTAL)	1190		21	535.1486	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	VANADIUM (TOTAL)	19.5		0.17	5.3515	mg/Kg
SS102YE	J3AD02-C	6/23/2004	SW6010B	ZINC (TOTAL)	16.4		0.19	2.1406	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	ALUMINUM (TOTAL)	4870		3.4	20.5042	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	ARSENIC (TOTAL)	2.4		0.31	1.0252	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	BARIUM (TOTAL)	11.8	J	0.51	20.5042	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YF	J3AD03-A	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.031	0.5126	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	BORON (TOTAL)	4.7	J	0.31	10.2521	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	CALCIUM (TOTAL)	576		14	512.605	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	CHROMIUM (TOTAL)	9.9		0.11	1.0252	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	COBALT (TOTAL)	3.2	J	0.17	5.126	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	COPPER (TOTAL)	111		0.27	2.563	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	IRON (TOTAL)	8120		4.9	10.2521	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	LEAD (TOTAL)	7.8		0.15	0.3076	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	1330		14.4	512.605	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	MANGANESE (TOTAL)	101		0.051	1.5378	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	1.3		0.14	1.0252	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	NICKEL (TOTAL)	8.7		0.16	4.1008	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	POTASSIUM (TOTAL)	500	J	20.1	512.605	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	VANADIUM (TOTAL)	9.8		0.16	5.126	mg/Kg
SS102YF	J3AD03-A	6/23/2004	SW6010B	ZINC (TOTAL)	16.6		0.18	2.0504	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	ALUMINUM (TOTAL)	4590		3.2	19.4784	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	ARSENIC (TOTAL)	2.6		0.29	0.9739	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	BARIUM (TOTAL)	10.4	J	0.49	19.4784	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.029	0.487	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	BORON (TOTAL)	4.5	J	0.29	9.7392	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	CALCIUM (TOTAL)	384	J	13.3	486.9592	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	CHROMIUM (TOTAL)	6.9		0.11	0.9739	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	COBALT (TOTAL)	2.4	J	0.17	4.8696	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	COPPER (TOTAL)	9.7		0.25	2.4348	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	IRON (TOTAL)	7320		4.7	9.7392	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	LEAD (TOTAL)	8.4		0.15	0.2922	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	1060		13.7	486.9592	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	MANGANESE (TOTAL)	88.4		0.049	1.4609	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.74	J	0.14	0.9739	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	NICKEL (TOTAL)	5.2		0.16	3.8957	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	POTASSIUM (TOTAL)	454	J	19.1	486.9592	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	VANADIUM (TOTAL)	10		0.16	4.8696	mg/Kg
SS102YF	J3AD03-B	6/23/2004	SW6010B	ZINC (TOTAL)	15.3		0.18	1.9478	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	ALUMINUM (TOTAL)	6250		2.9	17.9273	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.32	J	0.3	5.3782	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	ARSENIC (TOTAL)	3.5		0.27	0.8964	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	BARIUM (TOTAL)	13.9	J	0.45	17.9273	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.027	0.4482	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	BORON (TOTAL)	5.7	J	0.27	8.9636	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	CADMIUM (TOTAL)	0.14	J	0.054	0.4482	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	CHROMIUM (TOTAL)	10.3		0.099	0.8964	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	COBALT (TOTAL)	3.1	J	0.15	4.4818	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	COPPER (TOTAL)	8.3		0.23	2.2409	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YF	J3AD03-C	6/23/2004	SW6010B	IRON (TOTAL)	8790		4.3	8.9636	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	LEAD (TOTAL)	26.5		0.13	0.2689	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	1290		12.6	448.1813	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	MANGANESE (TOTAL)	98.6		0.045	1.3445	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.59	J	0.13	0.8964	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	NICKEL (TOTAL)	5.9		0.14	3.5855	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	POTASSIUM (TOTAL)	579		17.6	448.1813	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	VANADIUM (TOTAL)	12.3		0.14	4.4818	mg/Kg
SS102YF	J3AD03-C	6/23/2004	SW6010B	ZINC (TOTAL)	15.3		0.16	1.7927	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	ALUMINUM (TOTAL)	4010		2.8	16.8146	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.41	J	0.29	5.0444	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	ARSENIC (TOTAL)	2.4		0.25	0.8407	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	BARIUM (TOTAL)	15.9	J	0.42	16.8146	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.19	J	0.025	0.4204	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	BORON (TOTAL)	4.5	J	0.25	8.4073	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	CALCIUM (TOTAL)	708		11.5	420.3659	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	CHROMIUM (TOTAL)	17.2		0.092	0.8407	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	COBALT (TOTAL)	2.3	J	0.14	4.2037	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	COPPER (TOTAL)	11.4		0.22	2.1018	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	IRON (TOTAL)	7180		4	8.4073	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	LEAD (TOTAL)	8.7		0.13	0.2522	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	1020		11.8	420.3659	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	MANGANESE (TOTAL)	63.5		0.042	1.2611	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	1.2		0.12	0.8407	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	NICKEL (TOTAL)	14		0.13	3.3629	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	POTASSIUM (TOTAL)	455		16.5	420.3659	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	SILVER (TOTAL)	0.18	J	0.18	0.8407	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	VANADIUM (TOTAL)	10.8		0.13	4.2037	mg/Kg
SS102YG	J3AD4-A	6/23/2004	SW6010B	ZINC (TOTAL)	17.6		0.15	1.6815	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	ALUMINUM (TOTAL)	5150		3.3	20.4148	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.46	J	0.35	6.1244	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	ARSENIC (TOTAL)	2.5		0.31	1.0207	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	BARIUM (TOTAL)	26.8		0.51	20.4148	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.031	0.5104	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	BORON (TOTAL)	4.8	J	0.31	10.2074	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	CALCIUM (TOTAL)	574		14	510.3707	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	CHROMIUM (TOTAL)	8.6		0.11	1.0207	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	COBALT (TOTAL)	2.9	J	0.17	5.1037	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	COPPER (TOTAL)	6.7		0.27	2.5519	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	IRON (TOTAL)	7950		4.9	10.2074	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	LEAD (TOTAL)	8.7		0.15	0.3062	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	1100		14.4	510.3707	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	MANGANESE (TOTAL)	91.5		0.051	1.5311	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YG	J3AD4-B	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	1.4		0.14	1.0207	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	NICKEL (TOTAL)	12.3		0.16	4.083	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	POTASSIUM (TOTAL)	466	J	20.1	510.3707	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	SELENIUM (TOTAL)	0.38	J	0.33	0.5104	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	VANADIUM (TOTAL)	12		0.16	5.1037	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW6010B	ZINC (TOTAL)	17.5		0.18	2.0415	mg/Kg
SS102YG	J3AD4-B	6/23/2004	SW8270C	N-NITROSODIPHENYLAMINE	62	J	28.8	350	ug/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	ALUMINUM (TOTAL)	4690		3	18.3614	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	ARSENIC (TOTAL)	2.6		0.28	0.9181	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	BARIUM (TOTAL)	20.1		0.46	18.3614	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.028	0.459	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	BORON (TOTAL)	4.2	J	0.28	9.1807	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	CALCIUM (TOTAL)	474		12.6	459.0357	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	CHROMIUM (TOTAL)	6.4		0.1	0.9181	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	COBALT (TOTAL)	2.3	J	0.16	4.5904	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	COPPER (TOTAL)	5.6		0.24	2.2952	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	IRON (TOTAL)	6510		4.4	9.1807	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	LEAD (TOTAL)	7.7		0.14	0.2754	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	785		12.9	459.0357	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	MANGANESE (TOTAL)	68.5		0.046	1.3771	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.37	J	0.13	0.9181	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	NICKEL (TOTAL)	3.7		0.15	3.6723	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	POTASSIUM (TOTAL)	419	J	18	459.0357	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	VANADIUM (TOTAL)	10.5		0.15	4.5904	mg/Kg
SS102YG	J3AD4-C	6/23/2004	SW6010B	ZINC (TOTAL)	15		0.17	1.8361	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	ALUMINUM (TOTAL)	4210		2.8	17.0213	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.39	J	0.29	5.1064	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	ARSENIC (TOTAL)	1.9		0.26	0.8511	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	BARIUM (TOTAL)	8.8	J	0.43	17.0213	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.18	J	0.025	0.4255	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	BORON (TOTAL)	4	J	0.26	8.5106	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	CALCIUM (TOTAL)	341	J	11.7	425.5319	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	CHROMIUM (TOTAL)	6.2		0.094	0.8511	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	COBALT (TOTAL)	2	J	0.14	4.2553	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	COPPER (TOTAL)	5.2		0.22	2.1277	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	IRON (TOTAL)	5870		4.1	8.5106	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	LEAD (TOTAL)	5		0.13	0.2553	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	750		12	425.5319	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	MANGANESE (TOTAL)	52.8		0.043	1.2766	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.4	J	0.12	0.8511	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	NICKEL (TOTAL)	5.8		0.14	3.4043	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	POTASSIUM (TOTAL)	391	J	16.7	425.5319	mg/Kg
SS102YH	J3AD5-A	6/23/2004	SW6010B	VANADIUM (TOTAL)	9.7		0.14	4.2553	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102YH	J3AD5-A	6/23/2004	SW6010B	ZINC (TOTAL)	12		0.15	1.7021	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	ALUMINUM (TOTAL)	3830		2.8	17.1521	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.4	J	0.29	5.1456	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	ARSENIC (TOTAL)	2.1		0.26	0.8576	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	BARIUM (TOTAL)	7.4	J	0.43	17.1521	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.17	J	0.026	0.4288	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	BORON (TOTAL)	4	J	0.26	8.576	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	CALCIUM (TOTAL)	319	J	11.7	428.8018	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	CHROMIUM (TOTAL)	5.8		0.094	0.8576	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	COBALT (TOTAL)	1.6	J	0.15	4.288	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	COPPER (TOTAL)	3.8		0.22	2.144	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	IRON (TOTAL)	5740		4.1	8.576	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	LEAD (TOTAL)	4.3		0.13	0.2573	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	563		12.1	428.8018	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	MANGANESE (TOTAL)	44.6		0.043	1.2864	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.71	J	0.12	0.8576	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	NICKEL (TOTAL)	4.1		0.14	3.4304	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	POTASSIUM (TOTAL)	334	J	16.9	428.8018	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	SELENIUM (TOTAL)	0.43		0.27	0.4288	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	VANADIUM (TOTAL)	9.5		0.14	4.288	mg/Kg
SS102YH	J3AD5-B	6/23/2004	SW6010B	ZINC (TOTAL)	8.5		0.15	1.7152	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	ALUMINUM (TOTAL)	7600		3.1	18.905	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	ANTIMONY (TOTAL)	0.42	J	0.32	5.6715	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	ARSENIC (TOTAL)	3.3		0.28	0.9453	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	BARIUM (TOTAL)	13.7	J	0.47	18.905	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.028	0.4726	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	BORON (TOTAL)	6.2	J	0.28	9.4525	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	CALCIUM (TOTAL)	657		12.9	472.6255	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	CHROMIUM (TOTAL)	9.8		0.1	0.9453	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	COBALT (TOTAL)	3.1	J	0.16	4.7263	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	COPPER (TOTAL)	8.5		0.25	2.3631	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	IRON (TOTAL)	9120		4.5	9.4525	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	LEAD (TOTAL)	8.5		0.14	0.2836	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	MAGNESIUM (TOTAL)	1150		13.3	472.6255	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	MANGANESE (TOTAL)	77.5		0.047	1.4179	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	MOLYBDENUM (TOTAL)	0.47	J	0.13	0.9453	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	NICKEL (TOTAL)	5.3		0.15	3.781	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	POTASSIUM (TOTAL)	528		18.6	472.6255	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	SELENIUM (TOTAL)	0.52		0.3	0.4726	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	VANADIUM (TOTAL)	14.7		0.15	4.7263	mg/Kg
SS102YH	J3AD5-C	6/23/2004	SW6010B	ZINC (TOTAL)	15.4		0.17	1.8905	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	ALUMINUM (TOTAL)	4280		2.1	18.7	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	ARSENIC (TOTAL)	2.1		0.38	0.93	mg/Kg

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ug/Kg = microgram per Kilogram
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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15022-A	102IB-01	10/17/2003	SW6010B	BARIUM (TOTAL)	10.9	J	1.1	18.7	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.037	0.47	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	BORON (TOTAL)	1.8	J	0.59	9.34	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	CADMIUM (TOTAL)	0.084	J	0.047	0.47	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	CALCIUM (TOTAL)	382	J	26.8	467	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	CHROMIUM (TOTAL)	6.3		0.1	0.93	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	COBALT (TOTAL)	2.8	J	0.27	4.67	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	COPPER (TOTAL)	4.7		0.21	2.33	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	IRON (TOTAL)	6180		2.6	9.34	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	LEAD (TOTAL)	6		0.13	0.28	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	MAGNESIUM (TOTAL)	928		28.1	467	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	MANGANESE (TOTAL)	85.1		0.11	1.4	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	NICKEL (TOTAL)	3.8		0.22	3.74	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	POTASSIUM (TOTAL)	372	J	29.7	467	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	VANADIUM (TOTAL)	10.1		0.27	4.67	mg/Kg
SS15022-A	102IB-01	10/17/2003	SW6010B	ZINC (TOTAL)	12.6		0.21	1.87	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	ALUMINUM (TOTAL)	12400		2.4	21.9	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	ARSENIC (TOTAL)	4.1		0.45	1.1	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	BARIUM (TOTAL)	18.9	J	1.3	21.9	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.044	0.55	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	CADMIUM (TOTAL)	0.057	J	0.055	0.55	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	CALCIUM (TOTAL)	324	J	31.5	549	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	CHROMIUM (TOTAL)	14.8		0.12	1.1	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	COBALT (TOTAL)	3.5	J	0.32	5.49	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	COPPER (TOTAL)	11.3		0.24	2.74	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	IRON (TOTAL)	12100		3.1	11	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	LEAD (TOTAL)	12		0.15	0.33	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	1420		33	549	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	MANGANESE (TOTAL)	92.4	J	0.13	1.65	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.56	J	0.12	1.1	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	NICKEL (TOTAL)	7.3		0.26	4.39	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	POTASSIUM (TOTAL)	746		34.9	549	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	SELENIUM (TOTAL)	0.88		0.4	0.55	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	VANADIUM (TOTAL)	25.3		0.32	5.49	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW6010B	ZINC (TOTAL)	24.4		0.25	2.19	mg/Kg
SS15023-A	102U1-01	10/20/2003	SW8270C	DI-N-BUTYL PHTHALATE	89	J	34.1	440	ug/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	ALUMINUM (TOTAL)	14000		2.5	22.5	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	ARSENIC (TOTAL)	4.5		0.46	1.13	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	BARIUM (TOTAL)	20.8	J	1.3	22.5	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.045	0.56	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	CALCIUM (TOTAL)	288	J	32.3	563	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	CHROMIUM (TOTAL)	16.7		0.12	1.13	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	COBALT (TOTAL)	3.8	J	0.33	5.63	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15023-A	102U1-01FD	10/20/2003	SW6010B	COPPER (TOTAL)	12.7		0.25	2.81	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	IRON (TOTAL)	13900		3.1	11.3	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	LEAD (TOTAL)	13.3		0.16	0.34	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	1640		33.9	563	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	MANGANESE (TOTAL)	103	J	0.14	1.69	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.72	J	0.12	1.13	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	NICKEL (TOTAL)	8.1		0.27	4.5	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	POTASSIUM (TOTAL)	805		35.8	563	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	SELENIUM (TOTAL)	0.96		0.41	0.56	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	VANADIUM (TOTAL)	27.6		0.33	5.63	mg/Kg
SS15023-A	102U1-01FD	10/20/2003	SW6010B	ZINC (TOTAL)	28		0.26	2.25	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	ALUMINUM (TOTAL)	17700		2.4	22	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	ARSENIC (TOTAL)	5.3		0.45	1.1	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	BARIUM (TOTAL)	20	J	1.3	22	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.044	0.55	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	CALCIUM (TOTAL)	261	J	31.6	551	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	CHROMIUM (TOTAL)	19.5		0.12	1.1	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	COBALT (TOTAL)	3.8	J	0.32	5.51	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	COPPER (TOTAL)	40.1		0.24	2.76	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	IRON (TOTAL)	15600		3.1	11	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	LEAD (TOTAL)	10.2		0.15	0.33	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	1420		33.2	551	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	MANGANESE (TOTAL)	70.2	J	0.13	1.65	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.74	J	0.12	1.1	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	NICKEL (TOTAL)	8.5		0.26	4.41	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	POTASSIUM (TOTAL)	696		35.1	551	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	SELENIUM (TOTAL)	1.1		0.4	0.55	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	VANADIUM (TOTAL)	28		0.32	5.51	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW6010B	ZINC (TOTAL)	17.2		0.25	2.2	mg/Kg
SS15023-A	102U1-02	10/20/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.021	0.043	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	ALUMINUM (TOTAL)	13500		2.3	21.2	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	ANTIMONY (TOTAL)	0.57	J	0.55	6.36	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	ARSENIC (TOTAL)	4.2		0.43	1.06	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	BARIUM (TOTAL)	16.2	J	1.2	21.2	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.042	0.53	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	CALCIUM (TOTAL)	204	J	30.4	530	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	CHROMIUM (TOTAL)	17.1		0.12	1.06	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	COBALT (TOTAL)	4	J	0.31	5.3	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	COPPER (TOTAL)	5		0.23	2.65	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	IRON (TOTAL)	13700		2.9	10.6	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	LEAD (TOTAL)	8.7		0.15	0.32	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	1900		31.9	530	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	MANGANESE (TOTAL)	76.8	J	0.13	1.59	mg/Kg

J = Estimated
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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15024-A	102U2-01	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.44	J	0.12	1.06	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	NICKEL (TOTAL)	7.4		0.25	4.24	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	POTASSIUM (TOTAL)	708		33.7	530	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	SELENIUM (TOTAL)	0.48	J	0.38	0.53	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	VANADIUM (TOTAL)	24.7		0.31	5.3	mg/Kg
SS15024-A	102U2-01	10/20/2003	SW6010B	ZINC (TOTAL)	18.6		0.24	2.12	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	ALUMINUM (TOTAL)	16300		2.6	19.2	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	ANTIMONY (TOTAL)	1.1	J	0.61	5.77	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	ARSENIC (TOTAL)	9.5		0.48	0.96	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	BARIUM (TOTAL)	24		1.3	19.2	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.6		0.047	0.48	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	CALCIUM (TOTAL)	263	J	33.5	481	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	CHROMIUM (TOTAL)	21		0.13	0.96	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	COBALT (TOTAL)	6.1		0.34	4.81	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	COPPER (TOTAL)	5.6		0.26	2.41	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	IRON (TOTAL)	19400		3.3	9.62	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	LEAD (TOTAL)	8.4		0.16	0.29	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	2740		35.2	481	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	MANGANESE (TOTAL)	112	J	0.14	1.44	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.65	J	0.13	0.96	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	NICKEL (TOTAL)	10		0.28	3.85	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	POTASSIUM (TOTAL)	1020		37.2	481	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	THALLIUM (TOTAL)	0.87	J	0.43	0.96	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	VANADIUM (TOTAL)	30.1		0.34	4.81	mg/Kg
SS15024-A	102U2-02	10/20/2003	SW6010B	ZINC (TOTAL)	24.4		0.27	1.92	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	ALUMINUM (TOTAL)	3330		2.5	22.5	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	ARSENIC (TOTAL)	1.6		0.46	1.12	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	BARIUM (TOTAL)	15.3	J	1.3	22.5	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.16	J	0.045	0.56	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	CADMIUM (TOTAL)	0.23	J	0.056	0.56	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	CALCIUM (TOTAL)	597		32.2	562	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	CHROMIUM (TOTAL)	5.2		0.12	1.12	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	COBALT (TOTAL)	1.4	J	0.33	5.62	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	COPPER (TOTAL)	10.5		0.25	2.81	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	IRON (TOTAL)	5340		3.1	11.2	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	LEAD (TOTAL)	10.6		0.16	0.34	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	657		33.8	562	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	MANGANESE (TOTAL)	47.7	J	0.13	1.69	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.34	J	0.12	1.12	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	NICKEL (TOTAL)	6.2		0.27	4.5	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	POTASSIUM (TOTAL)	363	J	35.7	562	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	SELENIUM (TOTAL)	0.53	J	0.4	0.56	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW6010B	VANADIUM (TOTAL)	15.8		0.33	5.62	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15025-A	102U3-01	10/20/2003	SW6010B	ZINC (TOTAL)	28		0.26	2.25	mg/Kg
SS15025-A	102U3-01	10/20/2003	SW7471	MERCURY (TOTAL)	0.033	J	0.022	0.044	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	ALUMINUM (TOTAL)	16800		2.6	23.3	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	ARSENIC (TOTAL)	6.1		0.48	1.17	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	BARIUM (TOTAL)	26.9		1.3	23.3	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.51	J	0.047	0.58	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	CALCIUM (TOTAL)	359	J	33.4	583	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	CHROMIUM (TOTAL)	21.2		0.13	1.17	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	COBALT (TOTAL)	4.9	J	0.34	5.83	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	COPPER (TOTAL)	9.4		0.26	2.91	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	IRON (TOTAL)	17300		3.2	11.7	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	LEAD (TOTAL)	10.3		0.16	0.35	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	2370		35.1	583	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	MANGANESE (TOTAL)	117	J	0.14	1.75	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.41	J	0.13	1.17	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	NICKEL (TOTAL)	9.6		0.28	4.66	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	POTASSIUM (TOTAL)	1010		37.1	583	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	SELENIUM (TOTAL)	0.82		0.35	0.58	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	VANADIUM (TOTAL)	30.1		0.34	5.83	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW6010B	ZINC (TOTAL)	25.5		0.27	2.33	mg/Kg
SS15025-A	102U3-02	10/20/2003	SW7471	MERCURY (TOTAL)	0.026	J	0.018	0.036	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	ALUMINUM (TOTAL)	7060		2.2	19.5	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	ANTIMONY (TOTAL)	0.73	J	0.51	5.85	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	ARSENIC (TOTAL)	3.2		0.4	0.97	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	BARIUM (TOTAL)	15.5	J	1.1	19.5	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.039	0.49	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	CALCIUM (TOTAL)	300	J	27.9	487	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	CHROMIUM (TOTAL)	9.3		0.11	0.97	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.28	4.87	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	COPPER (TOTAL)	9.9		0.21	2.44	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	IRON (TOTAL)	8880		2.7	9.75	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	LEAD (TOTAL)	7.5		0.14	0.29	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	1030		29.3	487	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	MANGANESE (TOTAL)	84.1	J	0.12	1.46	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.26	J	0.11	0.97	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	NICKEL (TOTAL)	4.5		0.23	3.9	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	POTASSIUM (TOTAL)	558		31	487	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	VANADIUM (TOTAL)	15.2		0.28	4.87	mg/Kg
SS15026-A	102U4-01	10/20/2003	SW6010B	ZINC (TOTAL)	16.2		0.22	1.95	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	ALUMINUM (TOTAL)	7640		2.4	21.6	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	ANTIMONY (TOTAL)	0.7	J	0.56	6.49	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	ARSENIC (TOTAL)	3.9		0.44	1.08	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	BARIUM (TOTAL)	17.2	J	1.2	21.6	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15026-A	102U4-02	10/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.31	J	0.043	0.54	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	CALCIUM (TOTAL)	361	J	31	541	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	CHROMIUM (TOTAL)	10.5		0.12	1.08	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	COBALT (TOTAL)	2.8	J	0.31	5.41	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	COPPER (TOTAL)	16.4		0.24	2.71	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	IRON (TOTAL)	10600		3	10.8	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	LEAD (TOTAL)	10.4		0.15	6.32	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	MAGNESIUM (TOTAL)	1150		32.6	541	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	MANGANESE (TOTAL)	77.5	J	0.13	1.62	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	MOLYBDENUM (TOTAL)	0.4	J	0.12	1.08	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	NICKEL (TOTAL)	6.7		0.26	4.33	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	POTASSIUM (TOTAL)	573		34.4	541	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	VANADIUM (TOTAL)	18.4		0.31	5.41	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW6010B	ZINC (TOTAL)	23		0.25	2.16	mg/Kg
SS15026-A	102U4-02	10/20/2003	SW7471	MERCURY (TOTAL)	0.022	J	0.02	0.04	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	ALUMINUM (TOTAL)	9870		2.5	22.4	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	ARSENIC (TOTAL)	4.1		0.46	1.12	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	BARIUM (TOTAL)	17.5	J	1.3	22.4	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.39	J	0.045	0.56	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	BORON (TOTAL)	2.7	J	0.71	11.2	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	CALCIUM (TOTAL)	269	J	32.1	560	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	CHROMIUM (TOTAL)	15.1		0.12	1.12	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	COBALT (TOTAL)	4	J	0.33	5.6	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	COPPER (TOTAL)	18.9		0.25	2.8	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	IRON (TOTAL)	13000		3.1	11.2	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	LEAD (TOTAL)	14.9		0.16	0.34	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	MAGNESIUM (TOTAL)	1890		33.7	560	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	MANGANESE (TOTAL)	97.2		0.13	1.68	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	NICKEL (TOTAL)	10.5		0.27	4.48	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	POTASSIUM (TOTAL)	656		35.6	560	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	THALLIUM (TOTAL)	0.58	J	0.41	1.12	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	VANADIUM (TOTAL)	20.6		0.33	5.6	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW6010B	ZINC (TOTAL)	31.4		0.26	2.24	mg/Kg
SS15027-A	102IP-01	10/17/2003	SW7471	MERCURY (TOTAL)	0.059		0.018	0.035	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	ALUMINUM (TOTAL)	13300		2.4	21.8	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	ARSENIC (TOTAL)	4.1		0.45	1.09	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	BARIUM (TOTAL)	19.8	J	1.3	21.8	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.044	0.54	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	BORON (TOTAL)	3.2	J	0.69	10.9	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	CALCIUM (TOTAL)	352	J	31.2	545	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	CHROMIUM (TOTAL)	16.4		0.12	1.09	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	COBALT (TOTAL)	4.3	J	0.32	5.45	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	COPPER (TOTAL)	9		0.24	2.72	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15027-A	102IP-02	10/17/2003	SW6010B	IRON (TOTAL)	13300		3	10.9	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	LEAD (TOTAL)	9		0.15	0.33	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	MAGNESIUM (TOTAL)	2060		32.8	545	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	MANGANESE (TOTAL)	89.9		0.13	1.63	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	NICKEL (TOTAL)	8.6		0.26	4.36	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	POTASSIUM (TOTAL)	739		34.6	545	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	THALLIUM (TOTAL)	0.46	J	0.4	1.09	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	VANADIUM (TOTAL)	21.6		0.32	5.45	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW6010B	ZINC (TOTAL)	26.1		0.25	2.18	mg/Kg
SS15027-A	102IP-02	10/17/2003	SW7471	MERCURY (TOTAL)	0.31		0.017	0.034	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	ALUMINUM (TOTAL)	3700		3.2	21.1	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.9		0.37	1.05	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	BARIUM (TOTAL)	14	J	1.2	21.1	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.032	0.53	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	CADMIUM (TOTAL)	0.35	J	0.074	0.53	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	CALCIUM (TOTAL)	365	J	34.2	527	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	CHROMIUM (TOTAL)	6		0.14	1.05	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	COBALT (TOTAL)	4.3	J	0.33	5.27	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	COPPER (TOTAL)	21.6	J	0.21	2.64	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	IRON (TOTAL)	6290		3.2	10.5	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	LEAD (TOTAL)	6.3		0.3	0.32	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	803		32.4	527	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	MANGANESE (TOTAL)	71.8	J	0.11	1.58	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.24	J	0.13	1.05	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	NICKEL (TOTAL)	6.2		0.3	4.22	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	POTASSIUM (TOTAL)	378	J	55	527	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.84	J	0.32	0.53	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	SILVER (TOTAL)	0.16	J	0.16	1.05	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	SODIUM (TOTAL)	140	J	52.9	527	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	VANADIUM (TOTAL)	13.1		0.4	5.27	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW6010B	ZINC (TOTAL)	11.9		0.21	2.11	mg/Kg
SS15029-D	102JA-D-01	10/30/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	160	J	99.9	360	ug/Kg
SS15029-D	102JA-D-01	10/30/2003	SW8270C	DI-N-BUTYL PHTHALATE	34	J	27.5	360	ug/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	ALUMINUM (TOTAL)	2550		2.6	17.1	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.5		0.3	0.85	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	BARIUM (TOTAL)	7.4	J	1	17.1	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.14	J	0.026	0.43	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	CADMIUM (TOTAL)	0.72		0.06	0.43	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	CALCIUM (TOTAL)	343	J	27.7	427	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	CHROMIUM (TOTAL)	11.6		0.11	0.85	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	COBALT (TOTAL)	1.1	J	0.26	4.27	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	COPPER (TOTAL)	24.2	J	0.17	2.14	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	IRON (TOTAL)	4750		2.6	8.54	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15029-D	102JA-D-02	10/30/2003	SW6010B	LEAD (TOTAL)	4.5		0.24	0.26	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	500		26.2	427	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	MANGANESE (TOTAL)	38	J	0.085	1.28	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.21	J	0.1	0.85	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	NICKEL (TOTAL)	6.2		0.24	3.42	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	POTASSIUM (TOTAL)	275	J	44.6	427	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.58	J	0.26	0.43	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	SILVER (TOTAL)	0.18	J	0.13	0.85	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	SODIUM (TOTAL)	101	J	42.9	427	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	VANADIUM (TOTAL)	10.3		0.32	4.27	mg/Kg
SS15029-D	102JA-D-02	10/30/2003	SW6010B	ZINC (TOTAL)	9.8		0.17	1.71	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	ALUMINUM (TOTAL)	3580		3	19.4	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	ARSENIC (TOTAL)	2.1		0.34	0.97	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	BARIUM (TOTAL)	8.4	J	1.1	19.4	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.029	0.48	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	CALCIUM (TOTAL)	324	J	31.5	485	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	CHROMIUM (TOTAL)	5.2		0.13	0.97	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	COBALT (TOTAL)	1.5	J	0.3	4.85	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	COPPER (TOTAL)	5.7	J	0.19	2.92	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	IRON (TOTAL)	6020		2.9	9.7	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	LEAD (TOTAL)	5		0.27	0.29	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	698		29.8	485	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	MANGANESE (TOTAL)	79.4	J	0.097	1.45	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	NICKEL (TOTAL)	2.9	J	0.27	3.88	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	POTASSIUM (TOTAL)	389	J	50.6	485	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.41	J	0.29	0.48	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	SODIUM (TOTAL)	133	J	48.7	485	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	VANADIUM (TOTAL)	12.4		0.37	4.85	mg/Kg
SS15029-D	102JA-D-03	10/30/2003	SW6010B	ZINC (TOTAL)	9.2		0.19	1.94	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	ALUMINUM (TOTAL)	1740		3.1	20.4	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	ANTIMONY (TOTAL)	0.94	J	0.84	6.12	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	ARSENIC (TOTAL)	0.91	J	0.36	1.02	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	BARIUM (TOTAL)	14.9	J	1.2	20.4	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.1	J	0.031	0.51	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	CADMIUM (TOTAL)	0.42	J	0.071	0.51	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	CALCIUM (TOTAL)	282	J	33.2	510	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	CHROMIUM (TOTAL)	4.6		0.13	1.02	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	COBALT (TOTAL)	1.2	J	0.32	5.1	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	COPPER (TOTAL)	20.5	J	0.2	2.55	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	IRON (TOTAL)	3870		3.1	10.2	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	LEAD (TOTAL)	8		0.29	0.31	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	427	J	31.4	510	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	MANGANESE (TOTAL)	35.9	J	0.1	1.53	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15029-E	102JA-E-01	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.39	J	0.12	1.02	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	NICKEL (TOTAL)	5.9		0.29	4.08	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	POTASSIUM (TOTAL)	257	J	53.3	510	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.55	J	0.31	0.51	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	SILVER (TOTAL)	0.45	J	0.15	1.02	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	SODIUM (TOTAL)	60.2	J	51.2	510	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	VANADIUM (TOTAL)	6.5		0.39	5.1	mg/Kg
SS15029-E	102JA-E-01	10/30/2003	SW6010B	ZINC (TOTAL)	10.7		0.2	2.04	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	ALUMINUM (TOTAL)	2530		3.2	21	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	ARSENIC (TOTAL)	1.9		0.37	1.05	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	BARIUM (TOTAL)	8.9	J	1.2	21	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.19	J	0.032	0.52	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	CALCIUM (TOTAL)	338	J	34.1	525	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	CHROMIUM (TOTAL)	5.2		0.14	1.05	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	COBALT (TOTAL)	1.3	J	0.33	5.25	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	COPPER (TOTAL)	11.2	J	0.21	2.62	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	IRON (TOTAL)	5360		3.1	10.5	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	LEAD (TOTAL)	5.8		0.29	0.31	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	553		32.2	525	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	MANGANESE (TOTAL)	52.7	J	0.1	1.57	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.26	J	0.13	1.05	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	NICKEL (TOTAL)	6		0.29	4.2	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	POTASSIUM (TOTAL)	338	J	54.8	525	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.59	J	0.31	0.52	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	SILVER (TOTAL)	0.35	J	0.16	1.05	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	SODIUM (TOTAL)	105	J	52.7	525	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	VANADIUM (TOTAL)	9.7		0.4	5.25	mg/Kg
SS15029-E	102JA-E-02	10/30/2003	SW6010B	ZINC (TOTAL)	10.2		0.21	2.1	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	ALUMINUM (TOTAL)	5680		3.3	21.2	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	ARSENIC (TOTAL)	2.5		0.37	1.06	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	BARIUM (TOTAL)	17.1	J	1.2	21.2	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	BERYLLIUM (TOTAL)	0.25	J	0.032	0.53	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	CALCIUM (TOTAL)	571		34.5	531	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	CHROMIUM (TOTAL)	7.5		0.14	1.06	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.33	5.31	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	COPPER (TOTAL)	6.1	J	0.21	2.68	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	IRON (TOTAL)	8650		3.2	10.6	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	LEAD (TOTAL)	5.3		0.3	0.32	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	MAGNESIUM (TOTAL)	1150		32.6	531	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	MANGANESE (TOTAL)	64.2	J	0.11	1.59	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	MOLYBDENUM (TOTAL)	0.15	J	0.13	1.06	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	NICKEL (TOTAL)	7.5		0.3	4.25	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	POTASSIUM (TOTAL)	520	J	55.4	531	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15029-E	102JA-E-03	10/30/2003	SW6010B	SELENIUM (TOTAL)	0.66	J	0.32	0.53	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	SODIUM (TOTAL)	246	J	53.3	531	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	VANADIUM (TOTAL)	40.9		0.4	5.31	mg/Kg
SS15029-E	102JA-E-03	10/30/2003	SW6010B	ZINC (TOTAL)	11.8		0.21	2.42	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	ALUMINUM (TOTAL)	817		3.2	20.6	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	ARSENIC (TOTAL)	1.4		0.36	1.03	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	BARIUM (TOTAL)	2	J	1.2	20.6	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	BORON (TOTAL)	1.2	J	0.66	10.3	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	CALCIUM (TOTAL)	94.1	J	33.4	514	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	CHROMIUM (TOTAL)	2.2		0.13	1.03	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	COBALT (TOTAL)	0.54	J	0.32	5.14	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	COPPER (TOTAL)	1.2	J	0.21	2.57	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	IRON (TOTAL)	2690		3.1	10.3	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	LEAD (TOTAL)	2		0.29	0.31	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	158	J	31.6	514	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	MANGANESE (TOTAL)	22.9		0.1	1.54	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	NICKEL (TOTAL)	1.1	J	0.46	4.11	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	POTASSIUM (TOTAL)	118	J	53.6	514	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	VANADIUM (TOTAL)	5.5		0.39	5.14	mg/Kg
SS15030-D	102KA-D-01	10/31/2003	SW6010B	ZINC (TOTAL)	5.5		0.2	2.06	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	ALUMINUM (TOTAL)	794	J	2.6	17	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	ARSENIC (TOTAL)	1.1		0.3	0.85	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	BARIUM (TOTAL)	2.5	J	0.99	17	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	BORON (TOTAL)	1.1	J	0.54	8.5	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	CALCIUM (TOTAL)	49.3	J	27.6	425	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	CHROMIUM (TOTAL)	1.7		0.11	0.85	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	COBALT (TOTAL)	0.41	J	0.26	4.25	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	COPPER (TOTAL)	0.91	J	0.17	2.13	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	IRON (TOTAL)	2050	J	2.6	8.5	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	LEAD (TOTAL)	1.8		0.24	0.26	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	155	J	26.1	425	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	MANGANESE (TOTAL)	16.8	J	0.085	1.28	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	NICKEL (TOTAL)	0.94	J	0.38	3.4	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	POTASSIUM (TOTAL)	97.5	J	44.4	425	mg/Kg
SS15030-D	102KA-D-02	10/31/2003	SW6010B	VANADIUM (TOTAL)	4.1	J	0.32	4.25	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	ALUMINUM (TOTAL)	1520	J	3	19.3	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	ARSENIC (TOTAL)	2.5		0.34	0.97	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	BARIUM (TOTAL)	3	J	1.1	19.3	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	BORON (TOTAL)	1.5	J	0.62	9.67	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	CALCIUM (TOTAL)	62.8	J	31.4	483	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	CHROMIUM (TOTAL)	3.3		0.13	0.97	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	COBALT (TOTAL)	0.85	J	0.3	4.83	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	COPPER (TOTAL)	2.2	J	0.19	2.42	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	IRON (TOTAL)	4620	J	2.9	9.67	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	LEAD (TOTAL)	2.5		0.27	0.29	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	338	J	29.7	483	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	MANGANESE (TOTAL)	28.8	J	0.097	1.45	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	NICKEL (TOTAL)	2.2	J	0.43	3.87	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	POTASSIUM (TOTAL)	206	J	50.4	483	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	VANADIUM (TOTAL)	7.7		0.37	4.83	mg/Kg
SS15030-D	102KA-D-02FD	10/31/2003	SW6010B	ZINC (TOTAL)	6.9		0.18	1.93	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	ALUMINUM (TOTAL)	925		2.9	18.9	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	ARSENIC (TOTAL)	1.4		0.33	0.95	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	BARIUM (TOTAL)	2.5	J	1.1	18.9	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	BORON (TOTAL)	1.3	J	0.6	9.45	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	CALCIUM (TOTAL)	52.4	J	30.7	473	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	CHROMIUM (TOTAL)	2.3		0.12	0.95	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	COBALT (TOTAL)	0.47	J	0.29	4.73	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	COPPER (TOTAL)	1	J	0.19	2.36	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	IRON (TOTAL)	2420		2.8	9.45	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	LEAD (TOTAL)	1.5		0.26	0.28	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	235	J	29	473	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	MANGANESE (TOTAL)	17.6		0.095	1.42	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	NICKEL (TOTAL)	1.2	J	0.43	3.78	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	POTASSIUM (TOTAL)	176	J	49.3	473	mg/Kg
SS15030-D	102KA-D-03	10/31/2003	SW6010B	VANADIUM (TOTAL)	5.1		0.36	4.73	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	ALUMINUM (TOTAL)	3240		3.3	21.7	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	ANTIMONY (TOTAL)	1.3	J	0.89	6.52	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	ARSENIC (TOTAL)	1.9		0.38	1.09	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	BARIUM (TOTAL)	10.1	J	1.3	21.7	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.033	0.54	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	BORON (TOTAL)	1.5	J	0.7	10.9	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	CALCIUM (TOTAL)	334	J	35.3	544	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	CHROMIUM (TOTAL)	5.2		0.14	1.09	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	COBALT (TOTAL)	1.6	J	0.34	5.44	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	COPPER (TOTAL)	8.7		0.22	2.72	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	IRON (TOTAL)	4820		3.3	10.9	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	LEAD (TOTAL)	40.8		0.3	0.33	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	643		33.4	544	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	MANGANESE (TOTAL)	62.7		0.11	1.63	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	NICKEL (TOTAL)	4.8		0.49	4.35	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	POTASSIUM (TOTAL)	315	J	56.7	544	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	SODIUM (TOTAL)	103	J	54.6	544	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	VANADIUM (TOTAL)	9.5		0.41	5.44	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW6010B	ZINC (TOTAL)	20.5		0.21	2.17	mg/Kg
SS15030-E	102KA-E-01	10/31/2003	SW7471	MERCURY (TOTAL)	0.024	J	0.016	0.032	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15030-E	102KA-E-01	10/31/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	3000		103	370	ug/Kg
SS15030-E	102KA-E-01	10/31/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	25000		38	360	ug/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	ALUMINUM (TOTAL)	5200		2.8	18.5	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	ARSENIC (TOTAL)	2.7		0.32	0.92	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	BARIUM (TOTAL)	13.1	J	1.1	18.5	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.028	0.46	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	BORON (TOTAL)	1.7	J	0.59	9.24	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	CADMIUM (TOTAL)	0.24	J	0.12	0.46	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	CALCIUM (TOTAL)	547		30	462	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	CHROMIUM (TOTAL)	7.8		0.12	0.92	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	COBALT (TOTAL)	2.7	J	0.29	4.62	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	COPPER (TOTAL)	16.4		0.18	2.31	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	IRON (TOTAL)	6990		2.8	9.24	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	LEAD (TOTAL)	15.1		0.26	0.28	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	1070		28.4	462	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	MANGANESE (TOTAL)	105		0.092	1.39	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	NICKEL (TOTAL)	6.8		0.42	3.7	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	POTASSIUM (TOTAL)	442	J	48.2	462	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	SILVER (TOTAL)	1.7		0.14	0.92	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	SODIUM (TOTAL)	136	J	46.4	462	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	VANADIUM (TOTAL)	11.6		0.35	4.62	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW6010B	ZINC (TOTAL)	31.7		0.18	1.85	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW7471	MERCURY (TOTAL)	0.036	J	0.019	0.038	mg/Kg
SS15030-E	102KA-E-02	10/31/2003	SW8270C	BENZYL BUTYL PHTHALATE	530		70.4	380	ug/Kg
SS15030-E	102KA-E-02	10/31/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	6100		211	760	ug/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	ALUMINUM (TOTAL)	7140		2.6	16.8	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	ARSENIC (TOTAL)	3.1		0.29	0.84	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	BARIUM (TOTAL)	14.2	J	0.98	16.8	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.025	0.42	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	BORON (TOTAL)	2.1	J	0.54	8.41	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	CALCIUM (TOTAL)	675		27.3	420	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	CHROMIUM (TOTAL)	9.2		0.11	0.84	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	COBALT (TOTAL)	3.1	J	0.26	4.2	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	COPPER (TOTAL)	13.2		0.17	2.1	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	IRON (TOTAL)	8460		2.5	8.41	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	LEAD (TOTAL)	12.1		0.24	0.25	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	MAGNESIUM (TOTAL)	1540		25.8	420	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	MANGANESE (TOTAL)	110		0.084	1.26	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	NICKEL (TOTAL)	6.9		0.38	3.36	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	POTASSIUM (TOTAL)	532		43.9	420	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	SODIUM (TOTAL)	205	J	42.2	420	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	VANADIUM (TOTAL)	14.3		0.32	4.2	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW6010B	ZINC (TOTAL)	27		0.16	1.68	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15030-E	102KA-E-03	10/31/2003	SW7471	MERCURY (TOTAL)	0.03		0.015	0.03	mg/Kg
SS15030-E	102KA-E-03	10/31/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	1000		104	380	ug/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	ALUMINUM (TOTAL)	3160		2	18.4	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	ARSENIC (TOTAL)	1.5	J	0.32	0.92	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	BARIUM (TOTAL)	7.5	J	1.1	18.4	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.15	J	0.037	0.46	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	CADMIUM (TOTAL)	0.066	J	0.046	0.46	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	CALCIUM (TOTAL)	621		26.4	461	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	CHROMIUM (TOTAL)	4.7	J	0.1	0.92	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	COBALT (TOTAL)	2.5	J	0.27	4.61	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	COPPER (TOTAL)	7.5		0.2	2.31	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	IRON (TOTAL)	5560		2.6	9.22	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	LEAD (TOTAL)	10.8	J	0.26	0.28	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	644		27.7	461	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	MANGANESE (TOTAL)	72.3		0.11	1.38	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	NICKEL (TOTAL)	4.8		0.22	3.69	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	POTASSIUM (TOTAL)	318	J	29.3	461	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	SILVER (TOTAL)	0.24	J	0.15	0.92	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	VANADIUM (TOTAL)	10.7		0.27	4.61	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW6010B	ZINC (TOTAL)	22.1		0.21	1.84	mg/Kg
SS15031-A	102KB-A-01	11/3/2003	SW8270C	CHRYSENE	70	J	27.6	350	ug/Kg
SS15031-A	102KB-A-01	11/3/2003	SW8270C	FLUORANTHENE	150	J	76.7	350	ug/Kg
SS15031-A	102KB-A-01	11/3/2003	SW8270C	PHENANTHRENE	52	J	27.9	350	ug/Kg
SS15031-A	102KB-A-01	11/3/2003	SW8270C	PYRENE	120	J	79.7	350	ug/Kg
SS15031-A	102KB-A-01	11/3/2003	SW9010	CYANIDE	0.72		0.41	0.41	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	ALUMINUM (TOTAL)	5420		2.3	21.2	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	ARSENIC (TOTAL)	2.5	J	0.37	1.06	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	BARIUM (TOTAL)	10.4	J	1.2	21.2	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.042	0.53	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	CADMIUM (TOTAL)	0.059	J	0.053	0.53	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	CALCIUM (TOTAL)	783		30.3	529	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	CHROMIUM (TOTAL)	6.6	J	0.12	1.06	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	COBALT (TOTAL)	2.7	J	0.31	5.29	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	COPPER (TOTAL)	7.1		0.23	2.64	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	IRON (TOTAL)	7080		2.9	10.6	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	LEAD (TOTAL)	6.7	J	0.3	0.32	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	800		31.8	529	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	MANGANESE (TOTAL)	67.5		0.13	1.59	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	NICKEL (TOTAL)	4.1	J	0.25	4.23	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	POTASSIUM (TOTAL)	448	J	33.6	529	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	VANADIUM (TOTAL)	13.1		0.31	5.29	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW6010B	ZINC (TOTAL)	11.9		0.24	2.12	mg/Kg
SS15031-A	102KB-A-02	11/3/2003	SW9010	CYANIDE	0.68		0.44	0.44	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15031-A	102KB-A-03	11/3/2003	SW6010B	ALUMINUM (TOTAL)	10600		2.6	23.3	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	ARSENIC (TOTAL)	3.5	J	0.41	1.16	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	BARIUM (TOTAL)	20.5	J	1.3	23.3	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.046	0.58	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	CALCIUM (TOTAL)	5190		33.3	581	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	CHROMIUM (TOTAL)	13.3	J	0.13	1.16	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	COBALT (TOTAL)	4	J	0.34	5.81	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	COPPER (TOTAL)	13.2		0.26	2.91	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	IRON (TOTAL)	11800		3.2	11.6	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	LEAD (TOTAL)	10.6	J	0.33	0.35	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	1520		35	581	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	MANGANESE (TOTAL)	96.4		0.14	1.74	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	NICKEL (TOTAL)	8.2		0.28	4.65	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	POTASSIUM (TOTAL)	715		37	581	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	SELENIUM (TOTAL)	0.67		0.35	0.58	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	THALLIUM (TOTAL)	0.7	J	0.43	1.16	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	VANADIUM (TOTAL)	19.9		0.34	5.81	mg/Kg
SS15031-A	102KB-A-03	11/3/2003	SW6010B	ZINC (TOTAL)	19.2		0.27	2.33	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	ALUMINUM (TOTAL)	7100		2	18.4	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	ARSENIC (TOTAL)	6	J	0.32	0.92	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	BARIUM (TOTAL)	26.5		1.1	18.4	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.037	0.46	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	CALCIUM (TOTAL)	1630		26.4	461	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	CHROMIUM (TOTAL)	16.4	J	0.1	0.92	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	COBALT (TOTAL)	5.3		0.27	4.61	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	COPPER (TOTAL)	9.6		0.2	2.3	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	IRON (TOTAL)	10000		2.6	9.21	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	LEAD (TOTAL)	5.2	J	0.26	0.28	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	3080		27.7	461	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	MANGANESE (TOTAL)	193		0.11	1.38	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	NICKEL (TOTAL)	12.6		0.22	3.69	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	POTASSIUM (TOTAL)	1490		29.3	461	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	THALLIUM (TOTAL)	0.49	J	0.34	0.92	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	VANADIUM (TOTAL)	16.8		0.27	4.61	mg/Kg
SS15031-B	102KB-B-01	11/3/2003	SW6010B	ZINC (TOTAL)	23.8		0.21	1.84	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	ALUMINUM (TOTAL)	6660		1.9	17.5	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	ARSENIC (TOTAL)	4.9	J	0.31	0.88	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	BARIUM (TOTAL)	28.9		1	17.5	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.035	0.44	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	CALCIUM (TOTAL)	1570		25.1	439	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	CHROMIUM (TOTAL)	15.1	J	0.097	0.88	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	COBALT (TOTAL)	5		0.25	4.39	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	COPPER (TOTAL)	8.4		0.19	2.19	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15031-B	102KB-B-02	11/3/2003	SW6010B	IRON (TOTAL)	8590		2.4	8.77	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	LEAD (TOTAL)	3.5	J	0.25	0.26	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	2590		26.4	439	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	MANGANESE (TOTAL)	151		0.11	1.32	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	NICKEL (TOTAL)	11.2		0.21	3.51	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	POTASSIUM (TOTAL)	1580		27.9	439	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	THALLIUM (TOTAL)	0.45	J	0.32	0.88	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	VANADIUM (TOTAL)	15.1		0.25	4.39	mg/Kg
SS15031-B	102KB-B-02	11/3/2003	SW6010B	ZINC (TOTAL)	18.2		0.2	1.75	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	ALUMINUM (TOTAL)	8620		2.2	19.6	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	ARSENIC (TOTAL)	7.5	J	0.34	0.98	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	BARIUM (TOTAL)	35		1.1	19.6	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.39	J	0.039	0.49	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	CALCIUM (TOTAL)	1860		28	489	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	CHROMIUM (TOTAL)	17.7	J	0.11	0.98	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	COBALT (TOTAL)	5.9		0.28	4.89	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	COPPER (TOTAL)	12.1		0.22	2.44	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	IRON (TOTAL)	10600		2.7	9.78	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	LEAD (TOTAL)	4.3	J	0.27	0.29	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	3170		29.4	489	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	MANGANESE (TOTAL)	179		0.12	1.47	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	NICKEL (TOTAL)	14		0.23	3.91	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	POTASSIUM (TOTAL)	1870		31.1	489	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	SELENIUM (TOTAL)	0.55		0.29	0.49	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	SODIUM (TOTAL)	56.1	J	44.4	489	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	THALLIUM (TOTAL)	0.39	J	0.36	0.98	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	VANADIUM (TOTAL)	17.8		0.28	4.89	mg/Kg
SS15031-B	102KB-B-03	11/3/2003	SW6010B	ZINC (TOTAL)	24.2		0.22	1.96	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	ALUMINUM (TOTAL)	5320		2.4	21.6	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	ARSENIC (TOTAL)	2.4	J	0.38	1.08	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	BARIUM (TOTAL)	13.8	J	1.2	21.6	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.043	0.54	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	CALCIUM (TOTAL)	878		31	540	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	CHROMIUM (TOTAL)	6.9	J	0.12	1.08	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	COBALT (TOTAL)	3.1	J	0.31	5.4	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	COPPER (TOTAL)	7.6		0.24	2.7	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	IRON (TOTAL)	8640		3	10.8	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	LEAD (TOTAL)	24.6	J	0.3	0.32	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	1260		32.5	540	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	MANGANESE (TOTAL)	125		0.13	1.62	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	NICKEL (TOTAL)	7.6		0.26	4.32	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	POTASSIUM (TOTAL)	706		34.4	540	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	SELENIUM (TOTAL)	0.51	J	0.32	0.54	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15031-C	102KB-C-01	11/3/2003	SW6010B	VANADIUM (TOTAL)	16.2		0.31	5.4	mg/Kg
SS15031-C	102KB-C-01	11/3/2003	SW6010B	ZINC (TOTAL)	23.4		0.25	2.16	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	ALUMINUM (TOTAL)	4720		2.1	19.4	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	ARSENIC (TOTAL)	2.5	J	0.34	0.97	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	BARIUM (TOTAL)	13.7	J	1.1	19.4	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.039	0.48	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	CADMIUM (TOTAL)	0.053	J	0.049	0.48	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	CALCIUM (TOTAL)	845		27.8	485	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	CHROMIUM (TOTAL)	7.6	J	0.11	0.97	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	COBALT (TOTAL)	3	J	0.28	4.85	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	COPPER (TOTAL)	5.9		0.21	2.42	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	IRON (TOTAL)	7260		2.7	9.69	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	LEAD (TOTAL)	20.8	J	0.27	0.29	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	1440		29.2	485	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	MANGANESE (TOTAL)	123		0.12	1.45	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	NICKEL (TOTAL)	7.4		0.23	3.88	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	POTASSIUM (TOTAL)	699		30.8	485	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	SELENIUM (TOTAL)	0.43	J	0.29	0.48	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	VANADIUM (TOTAL)	14.8		0.28	4.85	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW6010B	ZINC (TOTAL)	16.7		0.22	1.94	mg/Kg
SS15031-C	102KB-C-02	11/3/2003	SW8270C	DI-N-BUTYL PHTHALATE	180	J	28	370	ug/Kg
SS15031-C	102KB-C-02	11/3/2003	SW8270C	N-NITROSODIPHENYLAMINE	64	J	29.9	370	ug/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	ALUMINUM (TOTAL)	7820		2	18.1	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	ARSENIC (TOTAL)	5.5	J	0.32	0.9	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	BARIUM (TOTAL)	32.3		1	18.1	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.036	0.45	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	CALCIUM (TOTAL)	1580		25.9	452	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	CHROMIUM (TOTAL)	15.2	J	0.099	0.9	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	COBALT (TOTAL)	5.5		0.26	4.52	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	COPPER (TOTAL)	11.1		0.2	2.26	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	IRON (TOTAL)	10100		2.5	9.04	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	LEAD (TOTAL)	6.4	J	0.25	0.27	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	2790		27.2	452	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	MANGANESE (TOTAL)	163		0.11	1.36	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	NICKEL (TOTAL)	13.3		0.22	3.62	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	POTASSIUM (TOTAL)	1760		28.7	452	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	SELENIUM (TOTAL)	0.42	J	0.27	0.45	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	VANADIUM (TOTAL)	21.7		0.26	4.52	mg/Kg
SS15031-C	102KB-C-03	11/3/2003	SW6010B	ZINC (TOTAL)	20.9		0.21	1.81	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	ALUMINUM (TOTAL)	7310		2.1	19	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	ARSENIC (TOTAL)	7.1	J	0.33	0.95	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	BARIUM (TOTAL)	31.9		1.1	19	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.038	0.47	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15031-D	102KB-D-01	11/3/2003	SW6010B	CADMIUM (TOTAL)	0.06	J	0.048	0.47	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	CALCIUM (TOTAL)	1930		27.2	475	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	CHROMIUM (TOTAL)	23.9	J	0.1	0.95	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	COBALT (TOTAL)	5.6		0.28	4.75	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	COPPER (TOTAL)	11		0.21	2.37	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	IRON (TOTAL)	9750		2.6	9.5	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	LEAD (TOTAL)	9.8	J	0.27	0.28	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	2960		28.6	475	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	MANGANESE (TOTAL)	167		0.11	1.42	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	NICKEL (TOTAL)	12.8		0.23	3.8	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	POTASSIUM (TOTAL)	1970		30.2	475	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	SELENIUM (TOTAL)	0.29	J	0.28	0.47	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	SODIUM (TOTAL)	48	J	43.1	475	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	VANADIUM (TOTAL)	22.2		0.28	4.75	mg/Kg
SS15031-D	102KB-D-01	11/3/2003	SW6010B	ZINC (TOTAL)	23.4		0.22	1.9	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	ALUMINUM (TOTAL)	6810		2.1	19.4	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	ARSENIC (TOTAL)	4.4	J	0.34	0.97	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	BARIUM (TOTAL)	31		1.1	19.4	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.039	0.49	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	CALCIUM (TOTAL)	1650		27.8	485	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	CHROMIUM (TOTAL)	12.4	J	0.11	0.97	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	COBALT (TOTAL)	4.9		0.28	4.85	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	COPPER (TOTAL)	9.8		0.21	2.43	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	IRON (TOTAL)	8700		2.7	9.7	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	LEAD (TOTAL)	13.1	J	0.27	0.29	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	2370		29.2	485	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	MANGANESE (TOTAL)	147		0.12	1.46	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	NICKEL (TOTAL)	10.5		0.23	3.88	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	POTASSIUM (TOTAL)	1690		30.9	485	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	SELENIUM (TOTAL)	0.34	J	0.29	0.49	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	SODIUM (TOTAL)	72.1	J	44	485	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	THALLIUM (TOTAL)	0.59	J	0.36	0.97	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	VANADIUM (TOTAL)	16.1		0.28	4.85	mg/Kg
SS15031-D	102KB-D-01FD	11/3/2003	SW6010B	ZINC (TOTAL)	20.5		0.22	1.94	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	ALUMINUM (TOTAL)	8300		2	17.8	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	ARSENIC (TOTAL)	7.9	J	0.31	0.89	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	BARIUM (TOTAL)	35.9		1	17.8	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.036	0.45	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	CALCIUM (TOTAL)	1500		25.5	445	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	CHROMIUM (TOTAL)	18.3	J	0.098	0.89	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	COBALT (TOTAL)	6.6		0.26	4.45	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	COPPER (TOTAL)	10.7		0.2	2.23	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	IRON (TOTAL)	11300		2.5	8.91	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15031-D	102KB-D-02	11/3/2003	SW6010B	LEAD (TOTAL)	7.4	J	0.25	0.27	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	3390		26.8	445	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	MANGANESE (TOTAL)	195		0.11	1.34	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	NICKEL (TOTAL)	17.1		0.21	3.57	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	POTASSIUM (TOTAL)	1940		28.3	445	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	SELENIUM (TOTAL)	0.4	J	0.27	0.45	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	VANADIUM (TOTAL)	17.2		0.26	4.45	mg/Kg
SS15031-D	102KB-D-02	11/3/2003	SW6010B	ZINC (TOTAL)	24.5		0.2	1.78	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	ALUMINUM (TOTAL)	8970		1.9	17.5	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	ARSENIC (TOTAL)	6.5	J	0.31	0.87	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	BARIUM (TOTAL)	40.1		1	17.5	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.035	0.44	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	CALCIUM (TOTAL)	1820		25.1	437	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	CHROMIUM (TOTAL)	17.8	J	0.096	0.87	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	COBALT (TOTAL)	6.1		0.25	4.37	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	COPPER (TOTAL)	11.7		0.19	2.19	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	IRON (TOTAL)	11200		2.4	8.75	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	LEAD (TOTAL)	4.1	J	0.24	0.26	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	3130		26.3	437	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	MANGANESE (TOTAL)	186		0.1	1.31	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	NICKEL (TOTAL)	14.4		0.21	3.5	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	POTASSIUM (TOTAL)	2230		27.8	437	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	THALLIUM (TOTAL)	0.47	J	0.32	0.87	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	VANADIUM (TOTAL)	18.8		0.25	4.37	mg/Kg
SS15031-D	102KB-D-03	11/3/2003	SW6010B	ZINC (TOTAL)	23.4		0.2	1.75	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	ALUMINUM (TOTAL)	4110		1.9	17.5	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	ARSENIC (TOTAL)	2.9	J	0.31	0.88	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	BARIUM (TOTAL)	14.4	J	1	17.5	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.035	0.44	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	CALCIUM (TOTAL)	1410		25.1	439	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	CHROMIUM (TOTAL)	8.2	J	0.097	0.88	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	COBALT (TOTAL)	3.1	J	0.25	4.39	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	COPPER (TOTAL)	6.5		0.19	2.19	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	IRON (TOTAL)	5990		2.4	8.77	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	LEAD (TOTAL)	5.9	J	0.25	0.26	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	1610		26.4	439	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	MANGANESE (TOTAL)	102		0.11	1.32	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	NICKEL (TOTAL)	6.6		0.21	3.51	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	POTASSIUM (TOTAL)	879		27.9	439	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	SELENIUM (TOTAL)	0.34	J	0.26	0.44	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	SODIUM (TOTAL)	69.4	J	39.8	439	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	THALLIUM (TOTAL)	0.34	J	0.32	0.88	mg/Kg
SS15031-E	102KB-E-01	11/3/2003	SW6010B	VANADIUM (TOTAL)	10.6		0.25	4.39	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15031-E	102KB-E-01	11/3/2003	SW6010B	ZINC (TOTAL)	13.8		0.2	1.75	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	ALUMINUM (TOTAL)	8320		1.9	17.2	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	ARSENIC (TOTAL)	5.4	J	0.35	0.86	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	BARIUM (TOTAL)	36.7		0.99	17.2	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.38	J	0.034	0.43	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	CALCIUM (TOTAL)	1800		24.6	429	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	CHROMIUM (TOTAL)	18.4	J	0.094	0.86	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	COBALT (TOTAL)	5.7		0.25	4.29	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	COPPER (TOTAL)	10.6		0.19	2.14	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	IRON (TOTAL)	10700		2.4	8.58	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	LEAD (TOTAL)	4.2	J	0.24	0.26	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	3080		25.8	429	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	MANGANESE (TOTAL)	175		0.1	1.29	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	NICKEL (TOTAL)	13.5		0.21	3.43	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	POTASSIUM (TOTAL)	2060		27.3	429	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	VANADIUM (TOTAL)	18.6		0.25	4.29	mg/Kg
SS15031-E	102KB-E-02	11/3/2003	SW6010B	ZINC (TOTAL)	24.4		0.2	1.72	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	ALUMINUM (TOTAL)	9000		2.2	20.2	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	ARSENIC (TOTAL)	4.3	J	0.35	1.01	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	BARIUM (TOTAL)	28.4		1.2	20.2	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.04	0.5	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	CALCIUM (TOTAL)	1210		28.9	504	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	CHROMIUM (TOTAL)	17	J	0.11	1.01	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	COBALT (TOTAL)	5.4		0.29	5.04	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	COPPER (TOTAL)	10.2		0.22	2.52	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	IRON (TOTAL)	10800		2.8	10.1	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	LEAD (TOTAL)	4.9	J	0.28	0.3	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	MAGNESIUM (TOTAL)	2720		30.4	504	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	MANGANESE (TOTAL)	159		0.12	1.51	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	NICKEL (TOTAL)	11.6		0.24	4.04	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	POTASSIUM (TOTAL)	1520		32.1	504	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	SELENIUM (TOTAL)	0.42	J	0.3	0.5	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	THALLIUM (TOTAL)	0.71	J	0.37	1.01	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	VANADIUM (TOTAL)	17.9		0.29	5.04	mg/Kg
SS15031-E	102KB-E-03	11/3/2003	SW6010B	ZINC (TOTAL)	21.5		0.23	2.02	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	ALUMINUM (TOTAL)	20400		2.7	24.6	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	ARSENIC (TOTAL)	6.9		0.5	1.23	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	BARIUM (TOTAL)	33		1.4	24.6	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.58	J	0.049	0.61	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	BORON (TOTAL)	4	J	0.77	12.3	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	CADMIUM (TOTAL)	1.1		0.061	0.61	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	CALCIUM (TOTAL)	746		35.2	614	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	CHROMIUM (TOTAL)	26.2	J	0.14	1.23	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15035-A	102PG-01	10/21/2003	SW6010B	COBALT (TOTAL)	6.6		0.36	6.14	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	COPPER (TOTAL)	59.2	J	0.27	3.07	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	IRON (TOTAL)	21300		3.4	12.3	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	LEAD (TOTAL)	22.2		0.17	0.37	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	3010		36.9	614	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	MANGANESE (TOTAL)	151		0.15	1.84	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.75	J	0.14	1.23	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	NICKEL (TOTAL)	14.7	J	0.29	4.91	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	POTASSIUM (TOTAL)	1150	J	39.1	614	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	SELENIUM (TOTAL)	1.4	J	0.37	0.61	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.57	J	0.45	1.23	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	VANADIUM (TOTAL)	38.3		0.36	6.14	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW6010B	ZINC (TOTAL)	49.8	J	0.28	2.46	mg/Kg
SS15035-A	102PG-01	10/21/2003	SW8270C	DI-N-BUTYL PHTHALATE	54	J	33.6	440	ug/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	ALUMINUM (TOTAL)	28600		2.4	22.1	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	ANTIMONY (TOTAL)	0.71	J	0.57	6.62	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	ARSENIC (TOTAL)	9.9		0.45	1.1	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	BARIUM (TOTAL)	35.2		1.3	22.1	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.76		0.044	0.55	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	BORON (TOTAL)	4.1	J	0.7	11	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	CADMIUM (TOTAL)	0.11	J	0.055	0.55	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	CALCIUM (TOTAL)	445	J	31.7	552	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	CHROMIUM (TOTAL)	32.3	J	0.12	1.1	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	COBALT (TOTAL)	8.5		0.32	5.52	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	COPPER (TOTAL)	16.1	J	0.24	2.76	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	IRON (TOTAL)	28400		3.1	11	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	LEAD (TOTAL)	37		0.15	0.33	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	3610		33.2	552	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	MANGANESE (TOTAL)	161		0.13	1.66	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.82	J	0.12	1.1	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	NICKEL (TOTAL)	15.2	J	0.27	4.42	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	POTASSIUM (TOTAL)	1340	J	35.1	552	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	SELENIUM (TOTAL)	1.5	J	0.33	0.55	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	THALLIUM (TOTAL)	1.3		0.41	1.1	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	VANADIUM (TOTAL)	48.2		0.32	5.52	mg/Kg
SS15035-A	102PG-02	10/21/2003	SW6010B	ZINC (TOTAL)	39.2	J	0.25	2.21	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	ALUMINUM (TOTAL)	20800		2.5	22.5	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	ARSENIC (TOTAL)	6.3		0.46	1.13	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	BARIUM (TOTAL)	46		1.3	22.5	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.6		0.045	0.56	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	BORON (TOTAL)	3.3	J	0.71	11.3	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	CADMIUM (TOTAL)	0.32	J	0.056	0.56	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	CALCIUM (TOTAL)	1370		32.3	563	mg/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15036-A	102PF-01	10/21/2003	SW6010B	CHROMIUM (TOTAL)	34	J	0.12	1.13	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	COBALT (TOTAL)	8		0.33	5.63	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	COPPER (TOTAL)	23.2	J	0.25	2.81	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	IRON (TOTAL)	22000		3.1	11.3	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	LEAD (TOTAL)	17.5		0.16	0.34	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	4200		33.9	563	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	MANGANESE (TOTAL)	166		0.14	1.69	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.87	J	0.12	1.13	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	NICKEL (TOTAL)	25.6	J	0.27	4.5	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	POTASSIUM (TOTAL)	1440	J	35.8	563	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	VANADIUM (TOTAL)	76.6		0.33	5.63	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW6010B	ZINC (TOTAL)	46.5	J	0.26	2.25	mg/Kg
SS15036-A	102PF-01	10/21/2003	SW7471	MERCURY (TOTAL)	0.023	J	0.017	0.033	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	ALUMINUM (TOTAL)	14200		2.1	18.7	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	ARSENIC (TOTAL)	4.7		0.38	0.94	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	BARIUM (TOTAL)	25.3		1.1	18.7	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.46	J	0.037	0.47	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	BORON (TOTAL)	3.2	J	0.59	9.36	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	CALCIUM (TOTAL)	1050		26.8	468	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	CHROMIUM (TOTAL)	17.9	J	0.1	0.94	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	COBALT (TOTAL)	4.9		0.27	4.68	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	COPPER (TOTAL)	11.2	J	0.21	2.34	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	IRON (TOTAL)	15400		2.6	9.36	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	LEAD (TOTAL)	11.5		0.13	0.28	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	2020		28.1	468	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	MANGANESE (TOTAL)	128		0.11	1.4	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.37	J	0.1	0.94	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	NICKEL (TOTAL)	14.3	J	0.22	3.74	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	POTASSIUM (TOTAL)	899	J	29.8	468	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	SELENIUM (TOTAL)	0.67	J	0.28	0.47	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.51	J	0.35	0.94	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	VANADIUM (TOTAL)	55.3		0.27	4.68	mg/Kg
SS15036-A	102PF-02	10/21/2003	SW6010B	ZINC (TOTAL)	23.6	J	0.22	1.87	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	ALUMINUM (TOTAL)	9660		2.3	21.3	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	ARSENIC (TOTAL)	3.4		0.44	1.06	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	BARIUM (TOTAL)	14.2	J	1.2	21.3	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.043	0.53	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	CADMIUM (TOTAL)	0.11	J	0.053	0.53	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	CALCIUM (TOTAL)	238	J	30.5	532	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	CHROMIUM (TOTAL)	13.2		0.12	1.06	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	COBALT (TOTAL)	3.5	J	0.31	5.32	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	COPPER (TOTAL)	6.8		0.23	2.66	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	IRON (TOTAL)	10700		3	10.6	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15037-A	102PHT-01	10/21/2003	SW6010B	LEAD (TOTAL)	9.9		0.15	0.32	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	1540		32	532	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	MANGANESE (TOTAL)	83.8	J	0.13	1.59	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.29	J	0.12	1.06	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	NICKEL (TOTAL)	6.4		0.26	4.25	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	POTASSIUM (TOTAL)	706		33.8	532	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	SELENIUM (TOTAL)	0.73		0.38	0.53	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	VANADIUM (TOTAL)	18.2		0.31	5.32	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW6010B	ZINC (TOTAL)	15.8		0.24	2.13	mg/Kg
SS15037-A	102PHT-01	10/21/2003	SW8270C	DI-N-BUTYL PHTHALATE	400		29.6	380	ug/Kg
SS15037-A	102PHT-01	10/21/2003	SW8270C	N-NITROSODIPHENYLAMINE	63	J	31.7	380	ug/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	ALUMINUM (TOTAL)	13100		3.5	22.7	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	ARSENIC (TOTAL)	4.9		0.4	1.13	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	BARIUM (TOTAL)	16.8	J	1.3	22.7	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.034	0.57	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	CALCIUM (TOTAL)	220	J	36.8	566	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	CHROMIUM (TOTAL)	15		0.15	1.13	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	COBALT (TOTAL)	2.6	J	0.35	5.66	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	COPPER (TOTAL)	5.7		0.23	2.83	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	IRON (TOTAL)	13300		3.4	11.3	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	LEAD (TOTAL)	8.2		0.32	0.34	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	1620		34.8	566	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	MANGANESE (TOTAL)	76.9		0.11	1.17	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	NICKEL (TOTAL)	6.2		0.32	4.53	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	POTASSIUM (TOTAL)	715		59.1	566	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	SELENIUM (TOTAL)	0.73		0.41	0.57	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	VANADIUM (TOTAL)	21.8		0.43	5.66	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW6010B	ZINC (TOTAL)	18.5		0.23	2.27	mg/Kg
SS15038-A	102FE-01	10/23/2003	SW7471	MERCURY (TOTAL)	0.015	J	0.015	0.031	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	ALUMINUM (TOTAL)	14800		3.1	20	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	ARSENIC (TOTAL)	5.3		0.35	1	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	BARIUM (TOTAL)	19.3	J	1.2	20	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.03	0.5	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	CALCIUM (TOTAL)	271	J	32.4	499	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	CHROMIUM (TOTAL)	17		0.13	1	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	COBALT (TOTAL)	3.4	J	0.31	4.99	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	COPPER (TOTAL)	6.9		0.2	2.28	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	IRON (TOTAL)	15500		3	9.98	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	LEAD (TOTAL)	9.1		0.28	0.3	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	1980		30.7	499	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	MANGANESE (TOTAL)	86.5		0.1	1.5	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	NICKEL (TOTAL)	7.5		0.28	3.99	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	POTASSIUM (TOTAL)	955		52.1	499	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15038-A	102FE-01FD	10/23/2003	SW6010B	SELENIUM (TOTAL)	0.57		0.3	0.5	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	VANADIUM (TOTAL)	25.5		0.38	4.99	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW6010B	ZINC (TOTAL)	22.2		0.2	2	mg/Kg
SS15038-A	102FE-01FD	10/23/2003	SW8270C	2-METHYLNAPHTHALENE	56	J	34.5	390	ug/Kg
SS15038-A	102FE-01FD	10/23/2003	SW8270C	NAPHTHALENE	56	J	35.6	390	ug/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	ALUMINUM (TOTAL)	14200		3.3	21.7	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	ARSENIC (TOTAL)	4.8		0.38	1.09	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	BARIUM (TOTAL)	18.5	J	1.3	21.7	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.39	J	0.033	0.54	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	CALCIUM (TOTAL)	380	J	35.3	544	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	CHROMIUM (TOTAL)	15.9		0.14	1.09	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	COBALT (TOTAL)	3.2	J	0.34	5.44	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	COPPER (TOTAL)	8.4		0.22	2.72	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	IRON (TOTAL)	14800		3.3	10.9	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	LEAD (TOTAL)	9.6		0.3	0.33	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	1830		33.4	544	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	MANGANESE (TOTAL)	80.9		0.11	1.63	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	NICKEL (TOTAL)	7.5		0.3	4.35	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	POTASSIUM (TOTAL)	716		56.7	544	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	SELENIUM (TOTAL)	1.5		0.39	0.54	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	VANADIUM (TOTAL)	25.7		0.41	5.44	mg/Kg
SS15038-A	102FE-02	10/23/2003	SW6010B	ZINC (TOTAL)	21.5		0.22	2.12	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	ALUMINUM (TOTAL)	15400	J	3.8	25	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	ARSENIC (TOTAL)	4.4		0.44	1.25	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	BARIUM (TOTAL)	16.3	J	1.5	25	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.037	0.63	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	BORON (TOTAL)	2.6	J	0.8	12.5	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	CALCIUM (TOTAL)	169	J	40.6	626	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	CHROMIUM (TOTAL)	14.6	J	0.16	1.25	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	COBALT (TOTAL)	1.5	J	0.39	6.26	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	COPPER (TOTAL)	3.4		0.25	3.13	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	IRON (TOTAL)	17100	J	3.8	12.5	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	LEAD (TOTAL)	8	J	0.35	0.38	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	888	J	38.4	626	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	MANGANESE (TOTAL)	48.4	J	0.13	1.88	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	NICKEL (TOTAL)	4	J	0.35	5.01	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	POTASSIUM (TOTAL)	517	J	65.3	626	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	SELENIUM (TOTAL)	1.1		0.38	0.63	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	SODIUM (TOTAL)	306	J	62.8	626	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	VANADIUM (TOTAL)	25.2	J	0.48	6.26	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW6010B	ZINC (TOTAL)	11.2	J	0.25	2.5	mg/Kg
SS15039-A	102FF-01	10/23/2003	SW7471	MERCURY (TOTAL)	0.028	J	0.018	0.037	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	ALUMINUM (TOTAL)	17200	J	3.2	21.1	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15039-A	102FF-02	10/23/2003	SW6010B	ARSENIC (TOTAL)	4.9		0.37	1.05	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	BARIUM (TOTAL)	21.2		1.2	21.1	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.032	0.53	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	BORON (TOTAL)	2.9	J	0.67	10.5	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	CALCIUM (TOTAL)	192	J	34.2	526	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	CHROMIUM (TOTAL)	18.1	J	0.14	1.05	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.33	5.26	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	COPPER (TOTAL)	3.3		0.21	2.63	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	IRON (TOTAL)	16600	J	3.2	10.5	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	LEAD (TOTAL)	7.9	J	0.29	0.32	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	1530	J	32.3	526	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	MANGANESE (TOTAL)	71.5	J	0.11	1.58	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	NICKEL (TOTAL)	6.4		0.29	4.21	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	POTASSIUM (TOTAL)	696		54.9	526	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	SELENIUM (TOTAL)	1.1		0.32	0.53	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	SODIUM (TOTAL)	339	J	52.8	526	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	VANADIUM (TOTAL)	25.8	J	0.4	5.26	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW6010B	ZINC (TOTAL)	13.9	J	0.21	2.11	mg/Kg
SS15039-A	102FF-02	10/23/2003	SW7471	MERCURY (TOTAL)	0.022	J	0.02	0.039	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	ALUMINUM (TOTAL)	18400	J	3.4	22.3	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	ARSENIC (TOTAL)	5.4		0.39	1.11	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	BARIUM (TOTAL)	19.1	J	1.3	22.3	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.033	0.56	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	BORON (TOTAL)	3.2	J	0.71	11.1	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	CALCIUM (TOTAL)	594		36.2	557	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	CHROMIUM (TOTAL)	19.7	J	0.14	1.11	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	COBALT (TOTAL)	3.2	J	0.35	5.57	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	COPPER (TOTAL)	5.2		0.22	2.79	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	IRON (TOTAL)	19400	J	3.3	11.1	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	LEAD (TOTAL)	9.9	J	0.31	0.33	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	1880	J	34.2	557	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	MANGANESE (TOTAL)	113	J	0.11	1.67	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	NICKEL (TOTAL)	8.1		0.31	4.46	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	POTASSIUM (TOTAL)	766		58.1	557	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	SELENIUM (TOTAL)	1.5		0.33	0.56	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	SODIUM (TOTAL)	391	J	55.9	557	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	VANADIUM (TOTAL)	28.8	J	0.42	5.57	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW6010B	ZINC (TOTAL)	19.7	J	0.22	2.23	mg/Kg
SS15040-A	102FG-01	10/23/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.019	0.037	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	ALUMINUM (TOTAL)	18000	J	3.3	21.7	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	ARSENIC (TOTAL)	6.3		0.38	1.08	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	BARIUM (TOTAL)	19.9	J	1.3	21.7	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.033	0.54	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15040-A	102FG-02	10/23/2003	SW6010B	BORON (TOTAL)	4	J	0.69	10.8	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	CALCIUM (TOTAL)	364	J	35.2	541	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	CHROMIUM (TOTAL)	21.6	J	0.14	1.08	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	COBALT (TOTAL)	3.9	J	0.34	5.41	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	COPPER (TOTAL)	5.1		0.22	2.71	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	IRON (TOTAL)	18800	J	3.2	10.8	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	LEAD (TOTAL)	8.5	J	0.3	0.32	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	2490	J	33.3	541	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	MANGANESE (TOTAL)	110	J	0.11	1.62	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	NICKEL (TOTAL)	8.9		0.3	4.33	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	POTASSIUM (TOTAL)	954		56.5	541	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	SELENIUM (TOTAL)	1.3		0.32	0.54	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	SODIUM (TOTAL)	462	J	54.3	541	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	VANADIUM (TOTAL)	28.2	J	0.41	5.41	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW6010B	ZINC (TOTAL)	20.7	J	0.22	2.17	mg/Kg
SS15040-A	102FG-02	10/23/2003	SW7471	MERCURY (TOTAL)	0.024	J	0.017	0.035	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	ALUMINUM (TOTAL)	10800		3.2	21.2	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	ARSENIC (TOTAL)	3.7		0.37	1.06	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	BARIUM (TOTAL)	11.7	J	1.2	21.2	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.032	0.53	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	CALCIUM (TOTAL)	162	J	34.4	529	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	CHROMIUM (TOTAL)	12		0.14	1.06	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	COBALT (TOTAL)	2	J	0.33	5.29	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	COPPER (TOTAL)	5.8		0.21	2.65	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	IRON (TOTAL)	10600		3.2	10.6	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	LEAD (TOTAL)	7.3		0.3	0.32	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	1020		32.5	529	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	MANGANESE (TOTAL)	55.4		0.11	1.59	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	NICKEL (TOTAL)	4.6		0.3	4.23	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	POTASSIUM (TOTAL)	449	J	55.2	529	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	SELENIUM (TOTAL)	0.54		0.32	0.53	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	VANADIUM (TOTAL)	18.7		0.4	5.29	mg/Kg
SS15041-A	102FH-01	10/23/2003	SW6010B	ZINC (TOTAL)	13.3		0.21	2.12	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	ALUMINUM (TOTAL)	15400		3	19.7	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	ARSENIC (TOTAL)	5		0.35	0.99	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	BARIUM (TOTAL)	18.1	J	1.2	19.7	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.38	J	0.03	0.49	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	CALCIUM (TOTAL)	194	J	32	493	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	CHROMIUM (TOTAL)	17.4		0.13	0.99	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	COBALT (TOTAL)	3.1	J	0.31	4.93	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	COPPER (TOTAL)	5.2		0.2	2.47	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	IRON (TOTAL)	15100		3	9.86	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	LEAD (TOTAL)	13.4		0.28	0.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15041-A	102FH-02	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	1870		30.3	493	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	MANGANESE (TOTAL)	82.5		0.099	1.48	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	NICKEL (TOTAL)	6.9		0.28	3.94	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	POTASSIUM (TOTAL)	743		51.5	493	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	SELENIUM (TOTAL)	0.89		0.3	0.49	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	VANADIUM (TOTAL)	24.7		0.37	4.93	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW6010B	ZINC (TOTAL)	17.5		0.2	1.97	mg/Kg
SS15041-A	102FH-02	10/23/2003	SW7471	MERCURY (TOTAL)	0.024	J	0.018	0.036	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	ALUMINUM (TOTAL)	16800		3.7	24	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	ARSENIC (TOTAL)	5.8		0.42	1.2	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	BARIUM (TOTAL)	18.5	J	1.4	24	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.036	0.6	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	CALCIUM (TOTAL)	190	J	38.9	600	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	CHROMIUM (TOTAL)	19.6		0.16	1.2	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	COBALT (TOTAL)	3.3	J	0.37	6	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	COPPER (TOTAL)	4.9		0.24	3	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	IRON (TOTAL)	16400		3.6	12	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	LEAD (TOTAL)	10.4		0.34	0.36	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	2120		36.8	600	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	MANGANESE (TOTAL)	87.9		0.12	1.8	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	NICKEL (TOTAL)	7.7		0.34	4.8	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	POTASSIUM (TOTAL)	811		62.6	600	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	SELENIUM (TOTAL)	0.9		0.36	0.6	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	VANADIUM (TOTAL)	26.7		0.46	6	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW6010B	ZINC (TOTAL)	19		0.24	2.4	mg/Kg
SS15041-A	102FH-02FD	10/23/2003	SW7471	MERCURY (TOTAL)	0.016	J	0.016	0.032	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	ALUMINUM (TOTAL)	5160	J	3.1	19.9	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	ARSENIC (TOTAL)	2.3		0.35	1	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	BARIUM (TOTAL)	12.6	J	1.2	19.9	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.19	J	0.03	0.5	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	BORON (TOTAL)	2.2	J	0.64	9.95	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	CADMIUM (TOTAL)	1.5		0.07	0.5	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	CALCIUM (TOTAL)	705		32.3	498	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	CHROMIUM (TOTAL)	8	J	0.13	1	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	COBALT (TOTAL)	1.8	J	0.31	4.98	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	COPPER (TOTAL)	7.6		0.2	2.49	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	IRON (TOTAL)	7220	J	3	9.95	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	LEAD (TOTAL)	12.1	J	0.28	0.3	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	881	J	30.6	498	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	MANGANESE (TOTAL)	72.8	J	0.1	1.49	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	NICKEL (TOTAL)	4.1		0.28	3.98	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	POTASSIUM (TOTAL)	452	J	51.9	498	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	SELENIUM (TOTAL)	0.37	J	0.3	0.5	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15042-A	102FI-01	10/23/2003	SW6010B	SODIUM (TOTAL)	144	J	50	498	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	VANADIUM (TOTAL)	14.7	J	0.38	4.98	mg/Kg
SS15042-A	102FI-01	10/23/2003	SW6010B	ZINC (TOTAL)	22.3	J	0.2	1.99	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	ALUMINUM (TOTAL)	4820	J	3.1	20.3	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	ARSENIC (TOTAL)	1.9		0.36	1.02	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	BARIUM (TOTAL)	7.6	J	1.2	20.3	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.03	0.51	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	BORON (TOTAL)	1.6	J	0.65	10.2	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	CALCIUM (TOTAL)	262	J	33	501	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	CHROMIUM (TOTAL)	8.2	J	0.13	1.02	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.32	5.08	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	COPPER (TOTAL)	5.7		0.2	2.54	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	IRON (TOTAL)	7960	J	3	10.2	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	LEAD (TOTAL)	8	J	0.28	0.3	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	1640	J	31.2	508	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	MANGANESE (TOTAL)	74.7	J	0.1	1.52	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	NICKEL (TOTAL)	4.2		0.28	4.07	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	POTASSIUM (TOTAL)	348	J	53	508	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	SELENIUM (TOTAL)	0.34	J	0.3	0.51	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	SODIUM (TOTAL)	110	J	51	508	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	VANADIUM (TOTAL)	12.8	J	0.39	5.08	mg/Kg
SS15042-A	102FI-02	10/23/2003	SW6010B	ZINC (TOTAL)	13.6	J	0.2	2.03	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	ALUMINUM (TOTAL)	6860	J	2.8	17.9	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	ARSENIC (TOTAL)	3		0.31	0.9	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	BARIUM (TOTAL)	13	J	1	17.9	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.027	0.45	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	BORON (TOTAL)	2.9	J	0.57	8.97	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	CALCIUM (TOTAL)	454		29.1	448	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	CHROMIUM (TOTAL)	9.5	J	0.12	0.9	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.28	4.48	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	COPPER (TOTAL)	4.5		0.18	2.24	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	IRON (TOTAL)	9350	J	2.7	8.97	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	LEAD (TOTAL)	5.8	J	0.25	0.27	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	1250	J	27.5	448	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	MANGANESE (TOTAL)	90.1	J	0.09	1.35	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	NICKEL (TOTAL)	4.3		0.25	3.59	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	POTASSIUM (TOTAL)	605		46.8	448	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	SELENIUM (TOTAL)	0.45		0.27	0.45	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	SODIUM (TOTAL)	235	J	45	448	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	VANADIUM (TOTAL)	16.2	J	0.34	4.48	mg/Kg
SS15043-A	102FJ-01	10/23/2003	SW6010B	ZINC (TOTAL)	13.5	J	0.18	1.78	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	ALUMINUM (TOTAL)	8800	J	2.6	17.2	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	ARSENIC (TOTAL)	3.7		0.3	0.86	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15043-A	102FJ-02	10/23/2003	SW6010B	BARIUM (TOTAL)	14.6	J	1	17.2	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.026	0.43	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	BORON (TOTAL)	2.8	J	0.55	8.59	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	CALCIUM (TOTAL)	207	J	27.9	430	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	CHROMIUM (TOTAL)	11.1	J	0.11	0.86	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.27	4.3	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	COPPER (TOTAL)	5.1		0.17	2.15	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	IRON (TOTAL)	10900	J	2.6	8.59	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	LEAD (TOTAL)	5.8	J	0.24	0.26	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	MAGNESIUM (TOTAL)	1390	J	26.4	430	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	MANGANESE (TOTAL)	85.1	J	0.086	1.29	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	NICKEL (TOTAL)	5		0.24	3.44	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	POTASSIUM (TOTAL)	657		44.8	430	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	SELENIUM (TOTAL)	0.51		0.26	0.43	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	SODIUM (TOTAL)	279	J	43.1	430	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	VANADIUM (TOTAL)	17	J	0.33	0.43	mg/Kg
SS15043-A	102FJ-02	10/23/2003	SW6010B	ZINC (TOTAL)	14.5	J	0.17	1.72	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	ALUMINUM (TOTAL)	10600		2.2	19.6	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	ARSENIC (TOTAL)	3.1		0.4	0.98	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	BARIUM (TOTAL)	35.7		1.1	19.6	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.039	0.49	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	BORON (TOTAL)	2.6	J	0.62	9.82	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	CADMIUM (TOTAL)	0.057	J	0.049	0.49	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	CALCIUM (TOTAL)	1250		28.2	491	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	CHROMIUM (TOTAL)	24		0.11	0.98	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	COBALT (TOTAL)	5.3		0.28	4.91	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	COPPER (TOTAL)	14		0.22	2.46	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	IRON (TOTAL)	12300		2.7	9.82	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	LEAD (TOTAL)	13.1		0.14	0.29	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	3540		29.6	491	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	MANGANESE (TOTAL)	123		0.12	1.47	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	MOLYBDENUM (TOTAL)	0.96	J	0.11	0.98	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	NICKEL (TOTAL)	11.6		0.24	3.93	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	POTASSIUM (TOTAL)	1290		31.2	491	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	VANADIUM (TOTAL)	28.2		0.28	4.91	mg/Kg
SS15044-A	102UJ-01	10/22/2003	SW6010B	ZINC (TOTAL)	27.1		0.23	1.96	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	ALUMINUM (TOTAL)	10700		2.5	22.6	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	ARSENIC (TOTAL)	3.8		0.46	1.13	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	BARIUM (TOTAL)	47.3		1.3	22.6	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.045	0.57	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	BORON (TOTAL)	2.2	J	0.71	11.3	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	CADMIUM (TOTAL)	0.089	J	0.057	0.57	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	CALCIUM (TOTAL)	1250		32.4	566	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15044-A	102UJ-02	10/22/2003	SW6010B	CHROMIUM (TOTAL)	25.7		0.12	1.13	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	COBALT (TOTAL)	5.2	J	0.33	5.66	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	COPPER (TOTAL)	14.3		0.25	2.83	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	IRON (TOTAL)	13800		3.1	11.3	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	LEAD (TOTAL)	31.4		0.16	0.34	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	3620		34	566	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	MANGANESE (TOTAL)	121		0.14	1.7	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	NICKEL (TOTAL)	12.2		0.27	4.52	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	POTASSIUM (TOTAL)	1350		36	566	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	VANADIUM (TOTAL)	30.7		0.33	5.66	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW6010B	ZINC (TOTAL)	26.5		0.26	2.26	mg/Kg
SS15044-A	102UJ-02	10/22/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.017	0.034	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	ALUMINUM (TOTAL)	8460		2.3	20.6	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	ARSENIC (TOTAL)	2.6	J	0.42	1.03	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	BARIUM (TOTAL)	13.1	J	1.2	20.6	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.27	J	0.041	0.52	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	BORON (TOTAL)	2.4	J	0.65	10.3	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	CALCIUM (TOTAL)	615		29.6	516	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	CHROMIUM (TOTAL)	10.7	J	0.11	1.03	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	COBALT (TOTAL)	2.8	J	0.3	5.16	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	COPPER (TOTAL)	4.2	J	0.23	2.58	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	IRON (TOTAL)	9550		2.9	10.3	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	LEAD (TOTAL)	6.6		0.14	0.31	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	1200		31	516	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	MANGANESE (TOTAL)	86		0.12	1.55	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.24	J	0.11	1.03	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	NICKEL (TOTAL)	4.3	J	0.25	4.12	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	POTASSIUM (TOTAL)	616	J	32.8	516	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	VANADIUM (TOTAL)	17.9		0.3	5.16	mg/Kg
SS15045-A	102UK-01	10/21/2003	SW6010B	ZINC (TOTAL)	14.3	J	0.24	2.06	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	ALUMINUM (TOTAL)	11700		2.1	19	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	ARSENIC (TOTAL)	3.9		0.39	0.95	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	BARIUM (TOTAL)	15.6	J	1.1	19	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.038	0.48	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	BORON (TOTAL)	2.2	J	0.6	9.5	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	CALCIUM (TOTAL)	531		27.2	475	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	CHROMIUM (TOTAL)	13.9	J	0.1	0.95	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	COBALT (TOTAL)	3.5	J	0.28	4.75	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	COPPER (TOTAL)	4.2	J	0.21	2.38	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	IRON (TOTAL)	12500		2.6	9.5	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	LEAD (TOTAL)	8.1		0.13	0.29	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	1450		28.6	475	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	MANGANESE (TOTAL)	83.8		0.11	1.43	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15045-A	102UK-02	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.21	J	0.1	0.95	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	NICKEL (TOTAL)	5.5	J	0.23	3.8	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	POTASSIUM (TOTAL)	632	J	30.2	475	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.45	J	0.35	0.95	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	VANADIUM (TOTAL)	20.9		0.28	4.75	mg/Kg
SS15045-A	102UK-02	10/21/2003	SW6010B	ZINC (TOTAL)	13.6	J	0.22	1.9	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	ALUMINUM (TOTAL)	13300		2.1	18.8	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	ARSENIC (TOTAL)	4.1		0.38	0.94	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	BARIUM (TOTAL)	18.7	J	1.1	18.8	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.037	0.47	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	BORON (TOTAL)	2.1	J	0.59	9.38	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	CALCIUM (TOTAL)	393	J	26.9	469	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	CHROMIUM (TOTAL)	16.1	J	0.1	0.94	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	COBALT (TOTAL)	3.8	J	0.27	4.69	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	COPPER (TOTAL)	6.1	J	0.21	2.34	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	IRON (TOTAL)	14300		2.6	9.38	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	LEAD (TOTAL)	10.7		0.13	0.28	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	1640		28.2	469	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	MANGANESE (TOTAL)	93.4		0.11	1.41	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.3	J	0.1	0.94	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	NICKEL (TOTAL)	6.7	J	0.23	3.75	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	POTASSIUM (TOTAL)	794	J	29.8	469	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.35	J	0.35	0.94	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	VANADIUM (TOTAL)	22.7		0.27	4.69	mg/Kg
SS15045-A	102UK-02FD	10/21/2003	SW6010B	ZINC (TOTAL)	17.7	J	0.22	1.88	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	ALUMINUM (TOTAL)	4890		2.3	20.4	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	ARSENIC (TOTAL)	1.7	J	0.42	1.02	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	BARIUM (TOTAL)	14.2	J	1.2	20.4	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.041	0.51	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	BORON (TOTAL)	2.8	J	0.64	10.2	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	CADMIUM (TOTAL)	0.17	J	0.051	0.51	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	CALCIUM (TOTAL)	2050		29.2	509	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	CHROMIUM (TOTAL)	6.9	J	0.11	1.02	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.3	5.09	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	COPPER (TOTAL)	7.7	J	0.22	2.55	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	IRON (TOTAL)	6480		2.8	10.2	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	LEAD (TOTAL)	7.4		0.14	0.31	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	963		30.6	509	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	MANGANESE (TOTAL)	118		0.12	1.53	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.24	J	0.11	1.02	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	NICKEL (TOTAL)	4.4	J	0.24	4.07	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	POTASSIUM (TOTAL)	562	J	32.4	509	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	SELENIUM (TOTAL)	0.48	J	0.37	0.51	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15046-A	102UL-01	10/21/2003	SW6010B	VANADIUM (TOTAL)	16.6		0.3	5.09	mg/Kg
SS15046-A	102UL-01	10/21/2003	SW6010B	ZINC (TOTAL)	20.7	J	0.23	2.04	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	ALUMINUM (TOTAL)	9230		2.2	19.6	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	ARSENIC (TOTAL)	3.6		0.4	0.98	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	BARIUM (TOTAL)	19.9		1.1	19.6	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.039	0.49	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	BORON (TOTAL)	2.2	J	0.62	9.81	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	CALCIUM (TOTAL)	546		28.1	490	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	CHROMIUM (TOTAL)	10.5	J	0.11	0.98	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	COBALT (TOTAL)	3.2	J	0.28	4.9	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	COPPER (TOTAL)	8.1	J	0.22	2.45	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	IRON (TOTAL)	12200		2.7	9.81	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	LEAD (TOTAL)	13.3		0.14	0.29	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	MAGNESIUM (TOTAL)	1050		29.5	490	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	MANGANESE (TOTAL)	84.2		0.12	1.47	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	MOLYBDENUM (TOTAL)	0.31	J	0.11	0.98	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	NICKEL (TOTAL)	4.7	J	0.24	3.92	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	POTASSIUM (TOTAL)	604	J	31.2	490	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	SELENIUM (TOTAL)	0.53	J	0.29	0.49	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	THALLIUM (TOTAL)	0.45	J	0.36	0.98	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	VANADIUM (TOTAL)	21.9		0.28	4.9	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW6010B	ZINC (TOTAL)	15.3	J	0.23	1.96	mg/Kg
SS15046-A	102UL-02	10/21/2003	SW7471	MERCURY (TOTAL)	0.024	J	0.017	0.034	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	ALUMINUM (TOTAL)	7120		2.3	21.3	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	ARSENIC (TOTAL)	2.7		0.44	1.06	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	BARIUM (TOTAL)	25.9		1.2	21.3	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.043	0.53	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	BORON (TOTAL)	2.3	J	0.67	10.6	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	CADMIUM (TOTAL)	0.1	J	0.053	0.53	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	CALCIUM (TOTAL)	1260		30.5	531	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	CHROMIUM (TOTAL)	19.7		0.12	1.06	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	COBALT (TOTAL)	4.8	J	0.31	5.31	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	COPPER (TOTAL)	8.9		0.23	2.66	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	IRON (TOTAL)	9310		3	10.6	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	LEAD (TOTAL)	6.2		0.15	0.32	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	2660		32	531	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	MANGANESE (TOTAL)	125		0.13	1.59	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	NICKEL (TOTAL)	9.5		0.26	4.25	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	POTASSIUM (TOTAL)	869		33.8	531	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	VANADIUM (TOTAL)	20.8		0.31	5.31	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW6010B	ZINC (TOTAL)	18.1		0.24	2.13	mg/Kg
SS15047-A	102UM-01	10/22/2003	SW8270C	BENZOIC ACID	350	J	137	920	ug/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	ALUMINUM (TOTAL)	6950		1.8	16.5	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15047-A	102UM-02	10/22/2003	SW6010B	ARSENIC (TOTAL)	2.1		0.34	0.82	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	BARIUM (TOTAL)	10.3	J	0.95	16.5	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.033	0.41	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	BORON (TOTAL)	2	J	0.52	8.24	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	CALCIUM (TOTAL)	241	J	23.6	412	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	CHROMIUM (TOTAL)	8.8		0.091	0.82	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	COBALT (TOTAL)	2.7	J	0.24	4.12	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	COPPER (TOTAL)	3.8		0.18	2.06	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	IRON (TOTAL)	7710		2.3	8.24	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	LEAD (TOTAL)	7.2		0.12	0.25	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	927		24.8	412	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	MANGANESE (TOTAL)	70.3		0.099	1.24	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	NICKEL (TOTAL)	4.2		0.2	3.29	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	POTASSIUM (TOTAL)	418		26.2	412	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	VANADIUM (TOTAL)	13.3		0.24	4.12	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW6010B	ZINC (TOTAL)	10.7		0.19	1.65	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW7471	MERCURY (TOTAL)	0.031		0.015	0.03	mg/Kg
SS15047-A	102UM-02	10/22/2003	SW8270C	BENZOIC ACID	190	J	135	910	ug/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	ALUMINUM (TOTAL)	7790		2.2	20.3	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	ARSENIC (TOTAL)	3.5		0.42	1.01	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	BARIUM (TOTAL)	11.4	J	1.2	20.3	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.31	J	0.041	0.51	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	BORON (TOTAL)	3	J	0.64	10.1	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	CADMIUM (TOTAL)	0.13	J	0.051	0.51	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	CALCIUM (TOTAL)	213	J	29.1	507	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	CHROMIUM (TOTAL)	11.1		0.11	1.01	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	COBALT (TOTAL)	3.1	J	0.29	5.07	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	COPPER (TOTAL)	7.1		0.22	2.53	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	IRON (TOTAL)	9590		2.8	10.1	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	LEAD (TOTAL)	8.1		0.14	0.3	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	1450		30.5	507	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	MANGANESE (TOTAL)	74.6		0.12	1.52	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	NICKEL (TOTAL)	5.9		0.24	4.05	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	POTASSIUM (TOTAL)	576		32.2	507	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	VANADIUM (TOTAL)	17.8		0.29	5.07	mg/Kg
SS15048-A	102UN-01	10/22/2003	SW6010B	ZINC (TOTAL)	15.7		0.23	2.03	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	ALUMINUM (TOTAL)	5710		2.1	19.2	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	ARSENIC (TOTAL)	3.2		0.39	0.96	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	BARIUM (TOTAL)	7.9	J	1.1	19.2	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.038	0.98	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	BORON (TOTAL)	2.4	J	0.6	9.58	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	CALCIUM (TOTAL)	96.8	J	27.5	479	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	CHROMIUM (TOTAL)	8.3		0.11	0.96	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15048-A	102UN-02	10/22/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.28	4.79	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	COPPER (TOTAL)	12.4		0.21	2.4	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	IRON (TOTAL)	8140		2.7	9.58	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	LEAD (TOTAL)	34.8		0.13	0.29	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	874		28.8	479	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	MANGANESE (TOTAL)	57.2		0.12	1.44	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	NICKEL (TOTAL)	3.9		0.23	3.83	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	POTASSIUM (TOTAL)	436	J	30.5	479	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	VANADIUM (TOTAL)	14.7		0.28	4.79	mg/Kg
SS15048-A	102UN-02	10/22/2003	SW6010B	ZINC (TOTAL)	12.2		0.22	1.92	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	ALUMINUM (TOTAL)	8560	J	3.6	26.3	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	ARSENIC (TOTAL)	3.5		0.41	1.16	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	BARIUM (TOTAL)	16.2	J	1.4	23.3	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.035	0.58	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	BORON (TOTAL)	3.1	J	0.74	11.6	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	CALCIUM (TOTAL)	943		37.8	582	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	CHROMIUM (TOTAL)	10.6	J	0.15	1.16	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	COBALT (TOTAL)	2	J	0.36	5.82	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	COPPER (TOTAL)	5.7		0.23	2.91	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	IRON (TOTAL)	10400	J	3.5	11.6	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	LEAD (TOTAL)	7.9	J	0.33	0.35	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	1220	J	35.8	582	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	MANGANESE (TOTAL)	118	J	0.12	1.75	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	NICKEL (TOTAL)	4.8		0.33	4.66	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	POTASSIUM (TOTAL)	710		60.7	582	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	SELENIUM (TOTAL)	0.69		0.35	0.58	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	SODIUM (TOTAL)	219	J	58.4	582	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	VANADIUM (TOTAL)	20	J	0.44	5.82	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW6010B	ZINC (TOTAL)	15.2	J	0.23	2.33	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW7471	MERCURY (TOTAL)	0.023	J	0.02	0.04	mg/Kg
SS15049-A	102UO-01	10/22/2003	SW8270C	BENZOIC ACID	300	J	154	1000	ug/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	ALUMINUM (TOTAL)	9110	J	3.1	20.1	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	ARSENIC (TOTAL)	3.8		0.35	1	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	BARIUM (TOTAL)	15.1	J	1.2	20.1	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.03	0.5	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	BORON (TOTAL)	2.6	J	0.64	10	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	CALCIUM (TOTAL)	583		32.6	502	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	CHROMIUM (TOTAL)	10.7	J	0.13	1	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	COBALT (TOTAL)	2.2	J	0.31	5.02	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	COPPER (TOTAL)	5.3		0.2	2.51	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	IRON (TOTAL)	10800	J	3	10	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	LEAD (TOTAL)	9.1	J	0.28	0.3	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	1100	J	30.8	502	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15049-A	102UO-01FD	10/22/2003	SW6010B	MANGANESE (TOTAL)	102	J	0.1	1.5	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	NICKEL (TOTAL)	4.5		0.28	4.01	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	POTASSIUM (TOTAL)	599		52.3	502	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	SELENIUM (TOTAL)	0.78		0.3	0.5	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	SODIUM (TOTAL)	248	J	50.3	502	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	VANADIUM (TOTAL)	20	J	0.38	5.02	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW6010B	ZINC (TOTAL)	13	J	0.2	2.01	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.019	0.039	mg/Kg
SS15049-A	102UO-01FD	10/22/2003	SW8270C	BENZOIC ACID	190	J	154	1000	ug/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	ALUMINUM (TOTAL)	12600	J	3.5	22.6	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	ARSENIC (TOTAL)	4.4		0.39	1.13	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	BARIUM (TOTAL)	21.5	J	1.3	22.6	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.034	0.56	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	BORON (TOTAL)	3	J	0.72	11.3	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	CALCIUM (TOTAL)	598		36.6	564	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	CHROMIUM (TOTAL)	13.2	J	0.15	1.13	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	COBALT (TOTAL)	1.6	J	0.35	5.64	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	COPPER (TOTAL)	8.5		0.23	2.82	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	IRON (TOTAL)	13600	J	3.4	11.3	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	LEAD (TOTAL)	12	J	0.32	0.34	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	1120	J	34.6	564	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	MANGANESE (TOTAL)	94.5	J	0.11	1.69	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	NICKEL (TOTAL)	5.1		0.32	4.51	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	POTASSIUM (TOTAL)	652		58.8	564	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	SELENIUM (TOTAL)	0.8		0.34	0.56	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	SODIUM (TOTAL)	261	J	56.6	564	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	VANADIUM (TOTAL)	26.2	J	0.43	5.64	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW6010B	ZINC (TOTAL)	21.8	J	0.23	2.26	mg/Kg
SS15050-A	102UP-01	10/22/2003	SW7471	MERCURY (TOTAL)	0.034	J	0.021	0.042	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	ALUMINUM (TOTAL)	13300	J	3.3	21.5	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	ANTIMONY (TOTAL)	1.1	J	0.88	6.45	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	ARSENIC (TOTAL)	4.5		0.38	1.07	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	BARIUM (TOTAL)	19.6	J	1.3	21.5	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.032	0.54	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	BORON (TOTAL)	2.6	J	0.69	10.7	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	CALCIUM (TOTAL)	302	J	34.9	537	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	CHROMIUM (TOTAL)	14.1	J	0.14	1.07	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	COBALT (TOTAL)	1.8	J	0.33	5.37	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	COPPER (TOTAL)	7.7		0.21	2.69	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	IRON (TOTAL)	14500	J	3.2	10.7	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	LEAD (TOTAL)	13.9	J	0.3	0.32	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	1080	J	33	537	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	MANGANESE (TOTAL)	73	J	0.11	1.61	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15050-A	102UP-02	10/22/2003	SW6010B	NICKEL (TOTAL)	4.7		0.3	4.3	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	POTASSIUM (TOTAL)	592		56.1	537	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	SELENIUM (TOTAL)	1.1		0.32	0.54	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	SILVER (TOTAL)	0.2	J	0.16	1.07	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	SODIUM (TOTAL)	297	J	53.9	537	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	VANADIUM (TOTAL)	24.9	J	0.41	5.37	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW6010B	ZINC (TOTAL)	16.7	J	0.21	2.15	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW7471	MERCURY (TOTAL)	0.032		0.015	0.031	mg/Kg
SS15050-A	102UP-02	10/22/2003	SW8270C	2,4-DINITROTOLUENE	86	J	75.2	400	ug/Kg
SS15050-A	102UP-02	10/22/2003	SW8270C	DI-N-BUTYL PHTHALATE	150	J	30.5	400	ug/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	ALUMINUM (TOTAL)	14800	J	3.8	25.1	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	ARSENIC (TOTAL)	5		0.44	1.25	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	BARIUM (TOTAL)	26.4		1.5	25.1	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.038	0.63	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	BORON (TOTAL)	3.6	J	0.8	12.5	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	CALCIUM (TOTAL)	868		40.7	627	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	CHROMIUM (TOTAL)	16.2	J	0.16	1.25	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	COBALT (TOTAL)	2.8	J	0.39	6.27	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	COPPER (TOTAL)	9.5		0.25	3.13	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	IRON (TOTAL)	16100	J	3.8	12.5	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	LEAD (TOTAL)	13.5	J	0.35	0.38	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	1910	J	38.5	627	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	MANGANESE (TOTAL)	116	J	0.13	1.88	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	NICKEL (TOTAL)	6.9		0.35	5.01	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	POTASSIUM (TOTAL)	902		65.4	627	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	SELENIUM (TOTAL)	1.2		0.38	0.63	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	SODIUM (TOTAL)	360	J	62.9	627	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	VANADIUM (TOTAL)	30.9	J	0.48	6.27	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW6010B	ZINC (TOTAL)	27.3	J	0.25	2.51	mg/Kg
SS15051-A	102UQ-01	10/22/2003	SW7471	MERCURY (TOTAL)	0.03	J	0.018	0.037	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	ALUMINUM (TOTAL)	13800	J	3.3	21.6	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	ARSENIC (TOTAL)	4.4		0.38	1.08	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	BARIUM (TOTAL)	18.2	J	1.3	21.6	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.033	0.54	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	BORON (TOTAL)	2.9	J	0.69	10.8	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	CALCIUM (TOTAL)	281	J	35.1	541	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	CHROMIUM (TOTAL)	14.9	J	0.14	1.08	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	COBALT (TOTAL)	2	J	0.34	5.41	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	COPPER (TOTAL)	7.3		0.22	2.7	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	IRON (TOTAL)	14300	J	3.2	10.8	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	LEAD (TOTAL)	11.4	J	0.3	0.32	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	1330	J	33.2	541	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	MANGANESE (TOTAL)	66.2	J	0.11	1.62	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15051-A	102UQ-02	10/22/2003	SW6010B	NICKEL (TOTAL)	5.3		0.3	4.33	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	POTASSIUM (TOTAL)	641		56.4	541	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	SELENIUM (TOTAL)	0.69		0.32	0.54	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	SODIUM (TOTAL)	318	J	54.3	541	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	VANADIUM (TOTAL)	23.8	J	0.41	5.41	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW6010B	ZINC (TOTAL)	16	J	0.22	2.16	mg/Kg
SS15051-A	102UQ-02	10/22/2003	SW7471	MERCURY (TOTAL)	0.032	J	0.016	0.32	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	ALUMINUM (TOTAL)	7390	J	2.7	17.6	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	ARSENIC (TOTAL)	3.3		0.31	0.88	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	BARIUM (TOTAL)	10	J	1	17.6	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.026	0.44	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	BORON (TOTAL)	2.3	J	0.56	8.8	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	CALCIUM (TOTAL)	241	J	28.6	440	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	CHROMIUM (TOTAL)	9.1	J	0.11	0.88	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.27	4.4	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	COPPER (TOTAL)	9.2		0.18	2.2	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	IRON (TOTAL)	9520	J	2.6	8.8	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	LEAD (TOTAL)	5.9	J	0.25	0.26	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	1150	J	27	440	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	MANGANESE (TOTAL)	68.1	J	0.088	1.32	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	NICKEL (TOTAL)	4.4		0.25	3.52	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	POTASSIUM (TOTAL)	546		45.9	440	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	SELENIUM (TOTAL)	0.48		0.26	0.44	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	SILVER (TOTAL)	0.62	J	0.13	0.88	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	SODIUM (TOTAL)	223	J	44.2	440	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	VANADIUM (TOTAL)	16.2	J	0.33	4.4	mg/Kg
SS15052-A	102UR-01	10/22/2003	SW6010B	ZINC (TOTAL)	13.3	J	0.18	1.76	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	ALUMINUM (TOTAL)	5600	J	2.7	17.8	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	ARSENIC (TOTAL)	2.6		0.31	0.89	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	BARIUM (TOTAL)	8.5	J	1	17.8	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	BERYLLIUM (TOTAL)	0.27	J	0.027	0.44	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	BORON (TOTAL)	1.5	J	0.57	8.88	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	CALCIUM (TOTAL)	227	J	28.9	444	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	CHROMIUM (TOTAL)	6.9	J	0.12	0.89	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	COBALT (TOTAL)	2.6	J	0.28	4.4	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	COPPER (TOTAL)	4.1		0.18	2.22	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	IRON (TOTAL)	9320	J	2.7	8.88	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	LEAD (TOTAL)	4.1	J	0.25	0.27	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	MAGNESIUM (TOTAL)	1030		27.3	444	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	MANGANESE (TOTAL)	85.1	J	0.089	1.33	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	MOLYBDENUM (TOTAL)	0.86	J	0.11	0.89	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	NICKEL (TOTAL)	3.9		0.25	3.55	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	POTASSIUM (TOTAL)	396	J	46.3	444	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15052-A	102UR-02	10/22/2003	SW6010B	SELENIUM (TOTAL)	0.42	J	0.27	0.44	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	SODIUM (TOTAL)	182	J	44.6	444	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	VANADIUM (TOTAL)	12	J	0.34	4.44	mg/Kg
SS15052-A	102UR-02	10/22/2003	SW6010B	ZINC (TOTAL)	17	J	0.18	1.78	mg/Kg
SS15094-A	SS15094A_PE1	1/3/2007	SW6010B	BERYLLIUM	0.46	J	0.0094	0.3846	mg/Kg
SS15094-A	SS15094A_PE2	1/3/2007	SW6010B	BERYLLIUM	0.31	J	0.0086	0.3731	mg/Kg
SS15094-A	SS15094A_PE3	1/3/2007	SW6010B	BERYLLIUM	0.9		0.0089	0.3623	mg/Kg
SS15094-A	SS15094A_PE4	6/27/2007	SW6010B	BERYLLIUM	0.26	J	0.016	0.398	mg/Kg
SS15094-A	SS15094A_PE5	6/27/2007	SW6010B	BERYLLIUM	0.17	J	0.015	0.3824	mg/Kg
SS15094-A	SS15094A_PE6	6/27/2007	SW6010B	BERYLLIUM	0.18	J	0.015	0.3861	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	ALUMINUM (TOTAL)	10900		8.7	19.8053	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	ARSENIC (TOTAL)	3.7		0.42	0.9903	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	BARIUM (TOTAL)	12.7	J	0.83	19.8053	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.02	0.4951	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	CALCIUM (TOTAL)	172	J	20.9	495.1328	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	CHROMIUM (TOTAL)	13.1		0.12	0.9903	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	COBALT (TOTAL)	3.3	J	0.27	4.9513	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	COPPER (TOTAL)	5.8		0.26	2.4757	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	IRON (TOTAL)	12000		3.8	9.9027	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	LEAD (TOTAL)	7.6		0.29	0.2971	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	MAGNESIUM (TOTAL)	1420		20.8	495.1328	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	MANGANESE (TOTAL)	62.6		0.069	1.4854	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	MOLYBDENUM (TOTAL)	0.49	J	0.2	0.9903	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	NICKEL (TOTAL)	6.6		0.3	3.9611	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	POTASSIUM (TOTAL)	434	J	42	495.1328	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	SELENIUM (TOTAL)	0.61		0.42	0.4951	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	VANADIUM (TOTAL)	20.1		0.27	4.9513	mg/Kg
SS15094-A	SS15094-SS1	4/12/2005	SW6010B	ZINC (TOTAL)	15.3	J	0.16	1.9805	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	ALUMINUM (TOTAL)	13700		9.2	20.9787	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	ANTIMONY (TOTAL)	0.71	J	0.43	6.2936	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	ARSENIC (TOTAL)	5.6		0.44	1.0489	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	BARIUM (TOTAL)	22.1		0.88	20.9787	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	BERYLLIUM (TOTAL)	0.58		0.021	0.5245	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	CALCIUM (TOTAL)	200	J	22.1	524.4664	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	CHROMIUM (TOTAL)	17.2		0.13	1.0489	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	COBALT (TOTAL)	6.3		0.28	5.2447	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	COPPER (TOTAL)	7.7		0.27	2.6223	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	IRON (TOTAL)	16800		4	10.4893	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	LEAD (TOTAL)	7.8		0.3	0.3147	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	MAGNESIUM (TOTAL)	2680		22	524.4664	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	MANGANESE (TOTAL)	104		0.073	1.5734	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	MOLYBDENUM (TOTAL)	0.54	J	0.21	1.0489	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	NICKEL (TOTAL)	9.8		0.31	4.1957	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	POTASSIUM (TOTAL)	781		44.5	524.4664	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	VANADIUM (TOTAL)	23.6		0.28	5.2447	mg/Kg
SS15094-A	SS15094-SS2	4/12/2005	SW6010B	ZINC (TOTAL)	22		0.17	2.0979	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	ALUMINUM (TOTAL)	14600		10.3	23.4824	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	ANTIMONY (TOTAL)	0.72	J	0.48	7.0447	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	ARSENIC (TOTAL)	6.4		0.49	1.1741	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	BARIUM (TOTAL)	20.8	J	0.99	23.4824	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	BERYLLIUM (TOTAL)	0.61		0.024	0.5871	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	CALCIUM (TOTAL)	289	J	24.8	587.0612	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	CHROMIUM (TOTAL)	18.9		0.14	1.1741	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	COBALT (TOTAL)	6.2		0.32	5.8706	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	COPPER (TOTAL)	8.5		0.31	2.9353	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	IRON (TOTAL)	20400		4.4	11.7412	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	LEAD (TOTAL)	8.2		0.34	0.3522	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	MAGNESIUM (TOTAL)	2840		24.7	587.0612	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	MANGANESE (TOTAL)	118		0.082	1.7612	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	MOLYBDENUM (TOTAL)	0.55	J	0.23	1.1741	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	NICKEL (TOTAL)	9.9		0.35	4.6965	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	POTASSIUM (TOTAL)	859		49.9	587.0612	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	THALLIUM (TOTAL)	1.2		0.75	1.1741	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	VANADIUM (TOTAL)	25.9		0.32	5.8706	mg/Kg
SS15094-A	SS15094-SS3	4/12/2005	SW6010B	ZINC (TOTAL)	24.2		0.19	2.3482	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	ALUMINUM (TOTAL)	24200		15.5	35.1358	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	ARSENIC (TOTAL)	7.3		0.74	1.7568	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	BARIUM (TOTAL)	24.5	J	1.5	35.1358	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	BERYLLIUM (TOTAL)	0.62	J	0.035	0.8784	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	CALCIUM (TOTAL)	170	J	37.1	878.395	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	CHROMIUM (TOTAL)	27.5		0.21	1.7568	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	COBALT (TOTAL)	6.8	J	0.47	8.784	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	COPPER (TOTAL)	7		0.46	4.392	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	IRON (TOTAL)	25400		6.7	17.5679	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	LEAD (TOTAL)	13.1		0.51	0.527	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	MAGNESIUM (TOTAL)	3040		36.9	878.395	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	MANGANESE (TOTAL)	113		0.12	2.6352	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	MOLYBDENUM (TOTAL)	0.85	J	0.35	1.7568	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	NICKEL (TOTAL)	12.5		0.53	7.0272	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	POTASSIUM (TOTAL)	872	J	74.6	878.395	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	SELENIUM (TOTAL)	1.4		0.67	0.8784	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	VANADIUM (TOTAL)	38.7		0.47	8.784	mg/Kg
SS15094-A	SS15094-SS4	4/12/2005	SW6010B	ZINC (TOTAL)	28.7		0.28	3.5136	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	ALUMINUM (TOTAL)	15000		10.5	23.8866	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	ANTIMONY (TOTAL)	0.76	J	0.49	7.166	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	ARSENIC (TOTAL)	4.4		0.5	1.1943	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	BARIUM (TOTAL)	17.1	J	1	23.8866	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.024	0.5972	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	CALCIUM (TOTAL)	96.5	J	25.2	597.1647	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	CHROMIUM (TOTAL)	18.2		0.14	1.1943	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	COBALT (TOTAL)	4.8	J	0.32	5.9716	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	COPPER (TOTAL)	6.3		0.31	2.9858	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	IRON (TOTAL)	15500		4.5	11.9433	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	LEAD (TOTAL)	8.5		0.35	0.3583	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	MAGNESIUM (TOTAL)	2160		25.1	597.1647	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	MANGANESE (TOTAL)	80.1		0.084	1.7915	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	MOLYBDENUM (TOTAL)	0.64	J	0.24	1.1943	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	NICKEL (TOTAL)	9.2		0.36	4.7773	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	POTASSIUM (TOTAL)	582	J	50.7	597.1647	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	SELENIUM (TOTAL)	0.89		0.45	0.5972	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	THALLIUM (TOTAL)	1.4		0.76	1.1943	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	VANADIUM (TOTAL)	24.5		0.32	5.9716	mg/Kg
SS15094-A	SS15094-SS5	4/12/2005	SW6010B	ZINC (TOTAL)	18.9		0.19	2.3887	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	ALUMINUM (TOTAL)	7830		9.7	22.0459	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	ARSENIC (TOTAL)	2.8		0.46	1.1023	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	BARIUM (TOTAL)	10.3	J	0.93	22.0459	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.022	0.5511	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	CALCIUM (TOTAL)	115	J	23.3	551.1464	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	CHROMIUM (TOTAL)	9.3		0.13	1.1023	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	COBALT (TOTAL)	3	J	0.3	5.5115	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	COPPER (TOTAL)	4.6		0.29	2.7557	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	IRON (TOTAL)	9250		4.2	11.0229	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	LEAD (TOTAL)	5.9		0.32	0.3307	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	MAGNESIUM (TOTAL)	1070		23.2	551.1464	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	MANGANESE (TOTAL)	49.3		0.077	1.6534	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	MOLYBDENUM (TOTAL)	0.59	J	0.22	1.1023	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	NICKEL (TOTAL)	4.8		0.33	4.4092	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	POTASSIUM (TOTAL)	403	J	46.8	551.1464	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	VANADIUM (TOTAL)	14.3		0.3	5.5115	mg/Kg
SS15094-A	SS15094-SS6	4/12/2005	SW6010B	ZINC (TOTAL)	12.2		0.18	2.2046	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	ALUMINUM (TOTAL)	10800		9.6	21.8436	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	ARSENIC (TOTAL)	3.2		0.46	1.0922	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	BARIUM (TOTAL)	11.8	J	0.92	21.8436	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.022	0.5461	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	CALCIUM (TOTAL)	133	J	23.1	546.09	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	CHROMIUM (TOTAL)	12.8		0.13	1.0922	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	COBALT (TOTAL)	3	J	0.29	5.4609	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	COPPER (TOTAL)	3.7		0.28	2.7305	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	IRON (TOTAL)	11900		4.1	10.9218	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	LEAD (TOTAL)	7.8		0.32	0.3277	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	MAGNESIUM (TOTAL)	1280		23	546.09	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	MANGANESE (TOTAL)	51.2		0.076	1.6383	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	MOLYBDENUM (TOTAL)	0.53	J	0.22	1.0922	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	NICKEL (TOTAL)	5.8		0.33	4.3687	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	POTASSIUM (TOTAL)	420	J	46.4	546.09	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	SELENIUM (TOTAL)	0.95		0.41	0.5461	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	THALLIUM (TOTAL)	1.2		0.7	1.0922	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	VANADIUM (TOTAL)	18.3		0.29	5.4609	mg/Kg
SS15094-A	SS15094-SS7	4/12/2005	SW6010B	ZINC (TOTAL)	13.5		0.17	2.1844	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	ALUMINUM (TOTAL)	14700		10.4	23.6144	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	ARSENIC (TOTAL)	4.4		0.5	1.1807	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	BARIUM (TOTAL)	15.2	J	0.99	23.6144	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.024	0.5904	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	CALCIUM (TOTAL)	98.6	J	24.9	590.3606	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	CHROMIUM (TOTAL)	17.9		0.14	1.1807	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	COBALT (TOTAL)	4.4	J	0.32	5.9036	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	COPPER (TOTAL)	5.5		0.31	2.9518	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	IRON (TOTAL)	15800		4.5	11.8072	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	LEAD (TOTAL)	8.9		0.34	0.3542	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	MAGNESIUM (TOTAL)	2040		24.8	590.3606	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	MANGANESE (TOTAL)	75.2		0.083	1.7711	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	MOLYBDENUM (TOTAL)	0.57	J	0.24	1.1807	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	NICKEL (TOTAL)	8.5		0.35	4.7229	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	POTASSIUM (TOTAL)	588	J	50.1	590.3606	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	SELENIUM (TOTAL)	1		0.45	0.5904	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	VANADIUM (TOTAL)	24.7		0.32	5.9036	mg/Kg
SS15094-A	SS15094-SS8	4/12/2005	SW6010B	ZINC (TOTAL)	20.4		0.19	2.3614	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	ALUMINUM (TOTAL)	15700		1.8	1.8	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	ANTIMONY (TOTAL)	0.89	J	0.37	0.37	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	ARSENIC (TOTAL)	6.2		0.23	0.23	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	BARIUM (TOTAL)	20.9		0.71	0.71	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.6		0.02	0.02	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	BORON (TOTAL)	0.72	J	0.45	0.45	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	CALCIUM (TOTAL)	258	J	21.8	21.8	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	CHROMIUM (TOTAL)	19.9		0.059	0.059	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	COBALT (TOTAL)	6.5		0.18	0.18	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	COPPER (TOTAL)	413		0.14	0.14	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	IRON (TOTAL)	18200		1.6	1.6	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	LEAD (TOTAL)	99		0.15	0.15	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	MAGNESIUM (TOTAL)	2470		17.8	17.8	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	MANGANESE (TOTAL)	118		0.069	0.069	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	MOLYBDENUM (TOTAL)	1		0.16	0.16	mg/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	NICKEL (TOTAL)	11.4		0.2	0.2	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	POTASSIUM (TOTAL)	944		24.5	24.5	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	SELENIUM (TOTAL)	2.1		0.17	0.17	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	SODIUM (TOTAL)	435	J	21.4	21.4	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	VANADIUM (TOTAL)	25.5		0.22	0.22	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW6010B	ZINC (TOTAL)	26.9		0.56	0.56	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW7471	MERCURY (TOTAL)	0.03	J	0.016	0.016	mg/Kg
SS15096-A	ECC091503J302 (post)	9/17/2003	SW9010	CYANIDE	1.6		0.54	0.54	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	ALUMINUM (TOTAL)	9830		1.8	1.8	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	ANTIMONY (TOTAL)	0.89	J	0.38	0.38	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	ARSENIC (TOTAL)	4.1		0.24	0.24	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	BARIUM (TOTAL)	21.5		0.73	0.73	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.02	0.02	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	BORON (TOTAL)	3.2	J	0.46	0.46	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	CALCIUM (TOTAL)	280	J	22.4	22.4	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	CHROMIUM (TOTAL)	13.2		0.06	0.06	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	COBALT (TOTAL)	3.8	J	0.18	0.18	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	COPPER (TOTAL)	4.8		0.14	0.14	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	IRON (TOTAL)	11800		1.7	1.7	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	LEAD (TOTAL)	7.4		0.15	0.15	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	MAGNESIUM (TOTAL)	1410		18.2	18.2	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	MANGANESE (TOTAL)	80.6		0.07	0.07	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	MOLYBDENUM (TOTAL)	0.74	J	0.16	0.16	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	NICKEL (TOTAL)	6.9		0.2	0.2	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	POTASSIUM (TOTAL)	574		25	25	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	SELENIUM (TOTAL)	0.57		0.17	0.17	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	SODIUM (TOTAL)	313	J	21.9	21.9	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	VANADIUM (TOTAL)	18.8		0.22	0.22	mg/Kg
SS15096-A	ECC091503J302 (pre)	9/17/2003	SW6010B	ZINC (TOTAL)	17.6		0.57	0.57	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	ALUMINUM (TOTAL)	4550		2.2	2.2	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	ARSENIC (TOTAL)	1.8		0.4	0.4	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	BARIUM (TOTAL)	73.2		1.1	1.1	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	BERYLLIUM (TOTAL)	0.18	J	0.039	0.039	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	CALCIUM (TOTAL)	1330		27.9	27.9	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	CHROMIUM (TOTAL)	17.5		0.13	0.13	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	COBALT (TOTAL)	17		0.28	0.28	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	COPPER (TOTAL)	288		0.19	0.19	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	IRON (TOTAL)	10100		2.9	2.9	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	LEAD (TOTAL)	62.2		0.14	0.14	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	MAGNESIUM (TOTAL)	3080		29.3	29.3	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	MANGANESE (TOTAL)	105		0.12	0.12	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	NICKEL (TOTAL)	8.9		0.27	0.27	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	POTASSIUM (TOTAL)	1090		31	31	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	SELENIUM (TOTAL)	1.4		0.29	0.29	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	VANADIUM (TOTAL)	16.8		0.28	0.28	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW6010B	ZINC (TOTAL)	18.2		0.22	0.22	mg/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW8270C	ACENAPHTHYLENE	47	J	20.7	330	ug/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW8270C	NAPHTHALENE	45	J	30.2	330	ug/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW8270C	PHENANTHRENE	69	J	26.6	330	ug/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW8330	2,4,6-TRINITROTOLUENE	39		1.52	13	ug/Kg
SS15098-A	ECC091803J301 (post)	10/8/2003	SW9010	CYANIDE	1.3		0.47	0.47	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	ALUMINUM (TOTAL)	5140		2	2	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	ARSENIC (TOTAL)	1.5		0.37	0.37	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	BARIUM (TOTAL)	42.1		1.1	1.1	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	BERYLLIUM (TOTAL)	0.16	J	0.036	0.036	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	CALCIUM (TOTAL)	1210		26.2	26.2	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	CHROMIUM (TOTAL)	23.7		0.12	0.12	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	COBALT (TOTAL)	4.9		0.27	0.27	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	COPPER (TOTAL)	10.4		0.18	0.18	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	IRON (TOTAL)	8620		2.7	2.7	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	LEAD (TOTAL)	3.3		0.13	0.13	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	MAGNESIUM (TOTAL)	3910		27.5	27.5	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	MANGANESE (TOTAL)	116		0.11	0.11	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	NICKEL (TOTAL)	11.2		0.26	0.26	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	POTASSIUM (TOTAL)	1440		29.1	29.1	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	THALLIUM (TOTAL)	0.43	J	0.34	0.34	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	VANADIUM (TOTAL)	17.4		0.27	0.27	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW6010B	ZINC (TOTAL)	16.2		0.21	0.21	mg/Kg
SS15098-A	ECC091803J301 (pre)	10/8/2003	SW8330	2,4,6-TRINITROTOLUENE	180		1.52	13	ug/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	ALUMINUM (TOTAL)	6210		3.3	20.3153	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	ANTIMONY (TOTAL)	0.41	J	0.29	6.0946	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	ARSENIC (TOTAL)	1.5		0.28	1.0158	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	BARIUM (TOTAL)	52.4		0.54	20.3153	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.03	0.5079	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	CADMIUM (TOTAL)	0.24	J	0.071	0.5079	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	CALCIUM (TOTAL)	1850		17.8	507.8823	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	CHROMIUM (TOTAL)	12.4		0.15	1.0158	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	COBALT (TOTAL)	6		0.23	5.0788	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	COPPER (TOTAL)	80.1		0.3	2.5394	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	IRON (TOTAL)	9330		3.6	10.1576	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	LEAD (TOTAL)	50.6		0.16	0.3047	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	MAGNESIUM (TOTAL)	4540		15.5	507.8823	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	MANGANESE (TOTAL)	168		0.11	1.5236	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	MOLYBDENUM (TOTAL)	0.26	J	0.24	1.0158	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	NICKEL (TOTAL)	7.5		0.24	4.0631	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	POTASSIUM (TOTAL)	335	J	39.7	507.8823	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	SELENIUM (TOTAL)	1		0.39	0.5079	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	VANADIUM (TOTAL)	21.4		0.22	5.0788	mg/Kg
SS15201-A	ECC022504J302 (post)	3/18/2004	SW6010B	ZINC (TOTAL)	47.8		0.41	2.0315	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	ALUMINUM	2570		3.4	20.452	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	ARSENIC	2.1		0.29	1.0226	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	BARIUM	8.7	J	0.54	20.452	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	BERYLLIUM	0.2	J	0.031	0.5113	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	BORON	2.1	J	0.24	10.226	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	CADMIUM	0.29	J	0.072	0.5113	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	CALCIUM	381	J	17.9	511.2997	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	CHROMIUM, TOTAL	11.5		0.15	1.0226	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	COBALT	1.4	J	0.24	5.113	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	COPPER	162		0.31	2.5565	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	IRON	5380		3.7	10.226	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	LEAD	6.2		0.16	0.3068	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	MAGNESIUM	594		15.6	511.2997	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	MANGANESE	49.3		0.11	1.5339	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	MOLYBDENUM	0.54	J	0.25	1.0226	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	NICKEL	5.5		0.25	4.0904	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	POTASSIUM	312	J	40	511.2997	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	SELENIUM	0.42	J	0.39	0.5113	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	SILVER	6.1		0.21	1.0226	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	VANADIUM	10.9		0.23	5.113	mg/Kg
SS15201-A	ECC022504J302 (pre)	3/17/2004	SW6010B	ZINC	14.2		0.41	2.0452	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	ALUMINUM (TOTAL)	5970		3.3	20.0248	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	ANTIMONY (TOTAL)	0.43	J	0.29	6.0074	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	ARSENIC (TOTAL)	2.2		0.28	1.0012	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	BARIUM (TOTAL)	18.6	J	0.53	20.0248	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.03	0.5006	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	BORON (TOTAL)	2	J	0.23	10.0124	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	CADMIUM (TOTAL)	0.19	J	0.07	0.5006	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	CALCIUM (TOTAL)	404	J	17.5	500.6208	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	CHROMIUM (TOTAL)	8.2		0.15	1.0012	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	COBALT (TOTAL)	3.1	J	0.23	5.0062	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	COPPER (TOTAL)	22		0.3	2.5031	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	IRON (TOTAL)	8710		3.6	10.0124	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	LEAD (TOTAL)	11.9		0.16	0.3004	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	MAGNESIUM (TOTAL)	1140		15.2	500.6208	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	MANGANESE (TOTAL)	142		0.11	1.5019	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	MOLYBDENUM (TOTAL)	0.37	J	0.24	1.0012	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	NICKEL (TOTAL)	6.2		0.24	4.005	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	POTASSIUM (TOTAL)	570		39.1	500.6208	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	SELENIUM (TOTAL)	0.63		0.38	0.5006	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	VANADIUM (TOTAL)	14		0.22	5.0062	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW6010B	ZINC (TOTAL)	17.8		0.4	2.0025	mg/Kg
SS15202-A	ECC030304J301 (post)	3/18/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	15		3.02	13	ug/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	ALUMINUM	5040		3.3	20.199	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	ANTIMONY	0.52	J	0.29	6.0597	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	ARSENIC	2.6		0.28	1.0099	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	BARIUM	14.5	J	0.54	20.199	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	BERYLLIUM	0.26	J	0.03	0.505	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	BORON	2.2	J	0.23	10.0995	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	CADMIUM	0.15	J	0.071	0.505	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	CALCIUM	658		17.7	504.974	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	CHROMIUM, TOTAL	7.4		0.15	1.0099	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	COBALT	2.3	J	0.23	5.0497	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	COPPER	28.1		0.3	2.5249	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	IRON	7250		3.6	10.0995	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	LEAD	7.4		0.16	0.303	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	MAGNESIUM	858		15.4	504.974	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	MANGANESE	68.4		0.11	1.5149	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	MOLYBDENUM	0.55	J	0.24	1.0099	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	NICKEL	5.7		0.24	4.0398	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	POTASSIUM	421	J	39.5	504.974	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	SELENIUM	0.52		0.38	0.505	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	VANADIUM	14.6		0.22	5.0497	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW6010B	ZINC	18.1		0.4	2.0199	mg/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW8270C	CHRYSENE	36	J	30.2	380	ug/Kg
SS15202-A	ECC030304J302 (pre)	3/17/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	15		3.02	13	ug/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	ALUMINUM (TOTAL)	6970		3.3	19.8866	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	ANTIMONY (TOTAL)	0.34	J	0.29	5.966	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	ARSENIC (TOTAL)	3.4		0.28	0.9943	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	BARIUM (TOTAL)	17	J	0.53	19.8866	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.03	0.4972	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	BORON (TOTAL)	1.9	J	0.23	9.9433	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	CADMIUM (TOTAL)	0.21	J	0.07	0.4972	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	CALCIUM (TOTAL)	629		17.4	497.1662	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	CHROMIUM (TOTAL)	9.7		0.15	0.9943	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	COBALT (TOTAL)	2.8	J	0.23	4.9717	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	COPPER (TOTAL)	102		0.3	2.4858	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	IRON (TOTAL)	9470		3.5	9.9433	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	LEAD (TOTAL)	30.8		0.16	0.2983	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	MAGNESIUM (TOTAL)	1090		15.1	497.1662	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	MANGANESE (TOTAL)	79.6		0.11	1.4915	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	MOLYBDENUM (TOTAL)	0.61	J	0.24	0.9943	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	NICKEL (TOTAL)	7.1		0.24	3.9773	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	POTASSIUM (TOTAL)	489	J	38.8	497.1662	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	SELENIUM (TOTAL)	0.86		0.38	0.4972	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	VANADIUM (TOTAL)	17.4		0.22	4.9717	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW6010B	ZINC (TOTAL)	28.8		0.4	1.9887	mg/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW8270C	DI-N-BUTYL PHTHALATE	45	J	28.4	370	ug/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW8330	2,4,6-TRINITROTOLUENE	32		1.5	13	ug/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	40		3.02	13	ug/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW8330	4-AMINO-2,6-DINITROTOLUENE	36		2.49	13	ug/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	13		1.41	13	ug/Kg
SS15203-A	ECC030504J302 (post)	3/18/2004	SW9012A	CYANIDE	0.61		0.5	0.5	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	ALUMINUM	7190		3.7	22.2259	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	ANTIMONY	0.5	J	0.32	6.6678	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	ARSENIC	3		0.31	1.1113	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	BARIUM	16.8	J	0.59	22.2259	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	BERYLLIUM	0.32	J	0.033	0.5556	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	BORON	2.3	J	0.26	11.113	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	CADMIUM	0.14	J	0.078	0.5556	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	CALCIUM	508	J	19.5	555.6482	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	CHROMIUM, TOTAL	9.2		0.17	1.1113	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	COBALT	3.1	J	0.26	5.5565	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	COPPER	8.4		0.33	2.7782	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	IRON	8920		4	11.113	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	LEAD	8.2		0.18	0.3334	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	MAGNESIUM	1160		16.9	555.6482	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	MANGANESE	93.4		0.12	1.6669	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	MOLYBDENUM	0.45	J	0.27	1.1113	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	NICKEL	5.3		0.27	4.4452	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	POTASSIUM	559		43.4	555.6482	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	VANADIUM	15		0.24	5.5565	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW6010B	ZINC	17.1		0.44	2.2226	mg/Kg
SS15203-A	ECC030504J302 (pre)	3/17/2004	SW8330	2,4-DINITROTOLUENE	31		1.5	13	ug/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	ALUMINUM (TOTAL)	3420		3.3	19.9092	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	ARSENIC (TOTAL)	1.4		0.28	0.9955	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	BARIUM (TOTAL)	9.4	J	0.53	19.9092	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	BERYLLIUM (TOTAL)	0.22	J	0.03	0.4977	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	CADMIUM (TOTAL)	0.18	J	0.07	0.4977	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	CALCIUM (TOTAL)	549		17.4	497.7303	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	CHROMIUM (TOTAL)	4.8		0.15	0.9955	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	COBALT (TOTAL)	1.7	J	0.23	4.9773	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	COPPER (TOTAL)	57.2		0.3	2.4887	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	IRON (TOTAL)	5520		3.6	9.9546	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	LEAD (TOTAL)	26		0.16	0.2986	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	MAGNESIUM (TOTAL)	596		15.2	497.7303	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	MANGANESE (TOTAL)	70.8		0.11	1.4932	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	MOLYBDENUM (TOTAL)	0.48	J	0.24	0.9955	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	NICKEL (TOTAL)	3.2	J	0.24	3.9818	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	POTASSIUM (TOTAL)	314	J	38.9	497.7303	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	SELENIUM (TOTAL)	0.78		0.38	0.4977	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	VANADIUM (TOTAL)	8.9		0.22	4.9773	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW6010B	ZINC (TOTAL)	34.1		0.4	1.9909	mg/Kg
SS15204-A	ECC030804J301 (post)	3/18/2004	SW9012A	CYANIDE	0.77		0.53	0.53	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	ARSENIC	2.6		0.32	1.1339	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	BARIUM	11	J	0.6	22.6778	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	BERYLLIUM	0.25	J	0.034	0.5669	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	BORON	2	J	0.26	11.3389	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	CADMIUM	0.14	J	0.079	0.5669	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	CALCIUM	305	J	19.9	566.9448	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	CHROMIUM, TOTAL	7		0.17	1.1339	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	COBALT	2.2	J	0.26	5.6694	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	COPPER	9.6		0.34	2.8347	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	IRON	6770		4	11.3389	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	LEAD	4.9		0.18	0.3402	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	MAGNESIUM	934		17.3	566.9448	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	MANGANESE	60.3		0.12	1.7008	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	MOLYBDENUM	0.51	J	0.27	1.1339	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	NICKEL	3.8	J	0.27	4.5356	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	POTASSIUM	428	J	44.3	566.9448	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	VANADIUM	12.1		0.25	5.6694	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW6010B	ZINC	13.6		0.45	2.2678	mg/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW8270C	BENZOIC ACID	8100		145	980	ug/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW8270C	BENZOIC ACID	6700		482	3200	ug/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW8270C	BENZYL ALCOHOL	46	J	61.3	390	ug/Kg
SS15204-A	ECC030804J301 (pre)	3/17/2004	SW8270C	PHENOL	71	J	46	390	ug/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	ALUMINUM (TOTAL)	8370		3.6	21.5834	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	ARSENIC (TOTAL)	3.1		0.3	1.0792	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	BARIUM (TOTAL)	17.5	J	0.57	21.5834	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.032	0.5396	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	BORON (TOTAL)	2	J	0.25	10.7917	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	CADMIUM (TOTAL)	0.18	J	0.075	0.5396	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	CALCIUM (TOTAL)	295	J	18.9	539.5839	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	CHROMIUM (TOTAL)	11.4		0.16	1.0792	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	COBALT (TOTAL)	3.6	J	0.25	5.3958	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	COPPER (TOTAL)	73.7		0.32	2.6979	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	IRON (TOTAL)	9340		3.9	10.7917	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	LEAD (TOTAL)	21.9		0.17	0.3238	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	MAGNESIUM (TOTAL)	1430		16.4	539.5839	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	MANGANESE (TOTAL)	99		0.12	1.6188	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	MOLYBDENUM (TOTAL)	0.38	J	0.26	1.0792	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	NICKEL (TOTAL)	6.2		0.26	4.3167	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	POTASSIUM (TOTAL)	568		42.2	539.5839	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	SELENIUM (TOTAL)	0.9		0.41	0.5396	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	VANADIUM (TOTAL)	18		0.24	5.3958	mg/Kg
SS15205-A	ECC030904J301 (post)	3/18/2004	SW6010B	ZINC (TOTAL)	18.4		0.43	2.1583	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	ALUMINUM	9330		3.2	19.6512	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	ARSENIC	3.9		0.28	0.9826	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	BARIUM	16	J	0.52	19.6512	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	BERYLLIUM	0.35	J	0.029	0.4913	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	BORON	2.9	J	0.23	9.8256	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	CADMIUM	0.17	J	0.069	0.4913	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	CALCIUM	323	J	17.2	491.2798	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	CHROMIUM, TOTAL	11.5		0.15	0.9826	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	COBALT	3	J	0.23	4.9128	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	COPPER	19.1		0.29	2.4564	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	IRON	10500		3.5	9.8256	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	LEAD	12		0.16	0.2948	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	MAGNESIUM	1140		15	491.2798	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	MANGANESE	69.9		0.11	1.4738	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	MOLYBDENUM	0.57	J	0.24	0.9826	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	NICKEL	7.5		0.24	3.9302	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	POTASSIUM	544		38.4	491.2798	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	SELENIUM	0.87		0.37	0.4913	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	VANADIUM	18.5		0.22	4.9128	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW6010B	ZINC	14.8		0.39	1.9651	mg/Kg
SS15205-A	ECC030904J301 (pre)	3/17/2004	SW7471A	MERCURY	0.065		0.018	0.0424	mg/Kg
SS15206-A	ECC031004J301-SS3	8/26/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	390		9.03	120	ug/Kg
SS15206-A	ECC031004J301-SS3	8/26/2004	SW8330	4-AMINO-2,6-DINITROTOLUENE	250		8.53	120	ug/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	ALUMINUM (TOTAL)	4130		3.6	21.7191	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	ARSENIC (TOTAL)	2		0.3	1.086	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	BARIUM (TOTAL)	7.4	J	0.58	21.7191	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.033	0.543	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	CADMIUM (TOTAL)	0.16	J	0.076	0.543	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	CALCIUM (TOTAL)	291	J	19	542.9766	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	CHROMIUM (TOTAL)	6		0.16	1.086	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	COBALT (TOTAL)	1.8	J	0.25	5.4298	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	COPPER (TOTAL)	116		0.33	2.7149	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	IRON (TOTAL)	6940		3.9	10.8595	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	LEAD (TOTAL)	49.1		0.17	0.3258	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	MAGNESIUM (TOTAL)	1030		16.5	542.9766	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	MANGANESE (TOTAL)	87.2		0.12	1.6289	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	MOLYBDENUM (TOTAL)	0.31	J	0.26	1.086	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	NICKEL (TOTAL)	3.8	J	0.26	4.3438	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	POTASSIUM (TOTAL)	293	J	42.4	542.9766	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	SELENIUM (TOTAL)	0.63		0.41	0.543	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	VANADIUM (TOTAL)	9.1		0.24	5.4298	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW6010B	ZINC (TOTAL)	23.4		0.43	2.1719	mg/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW8270C	BENZOIC ACID	5000		465	3100	ug/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW8270C	BENZYL ALCOHOL	110	J	59.3	370	ug/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW8270C	PHENOL	100	J	44.5	370	ug/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW8330	2,4,6-TRINITROTOLUENE	14		1.5	13	ug/Kg
SS15207-A	ECC031004J302 (post)	3/18/2004	SW9012A	CYANIDE	1.5		0.55	0.55	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	ALUMINUM	3430		3.1	19.1086	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	ANTIMONY	0.5	J	0.28	5.7326	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	ARSENIC	1.7		0.27	0.9554	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	BARIUM	9.5	J	0.51	19.1086	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	BERYLLIUM	0.22	J	0.029	0.4777	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	BORON	2.2	J	0.22	9.5543	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	CADMIUM	0.17	J	0.067	0.4777	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	CALCIUM	308	J	16.7	477.7146	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	CHROMIUM, TOTAL	4.8		0.14	0.9554	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	COBALT	1.9	J	0.22	4.7771	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	COPPER	9.8		0.29	2.3886	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	IRON	5100		3.4	9.5543	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	LEAD	5.1		0.15	0.2866	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	MAGNESIUM	671		14.6	477.7146	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	MANGANESE	58.4		0.11	1.4331	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	MOLYBDENUM	0.37	J	0.23	0.9554	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	NICKEL	3.4	J	0.23	3.8217	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	POTASSIUM	324	J	37.3	477.7146	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	SELENIUM	0.38	J	0.36	0.4777	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	VANADIUM	9.7		0.21	4.7771	mg/Kg
SS15207-A	ECC031004J302 (pre)	3/17/2004	SW6010B	ZINC	11.3		0.38	1.9109	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	ALUMINUM (TOTAL)	4540		3.2	19.629	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	ARSENIC (TOTAL)	2.1		0.27	0.9815	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	BARIUM (TOTAL)	11.7	J	0.52	19.629	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.029	0.4907	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	BORON (TOTAL)	1.6	J	0.23	9.8145	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	CADMIUM (TOTAL)	0.15	J	0.069	0.4907	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	CALCIUM (TOTAL)	190	J	17.2	490.7253	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	CHROMIUM (TOTAL)	6.3		0.15	0.9815	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	COBALT (TOTAL)	1.9	J	0.23	4.9073	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	COPPER (TOTAL)	10.6		0.29	2.4536	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	IRON (TOTAL)	5850		3.5	9.8145	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	LEAD (TOTAL)	6.2		0.16	0.2944	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	MAGNESIUM (TOTAL)	658		14.9	490.7253	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	MANGANESE (TOTAL)	47.3		0.11	1.4722	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	MOLYBDENUM (TOTAL)	0.31	J	0.24	0.9815	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	NICKEL (TOTAL)	3.2	J	0.24	3.9258	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	POTASSIUM (TOTAL)	299	J	38.3	490.7253	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	VANADIUM (TOTAL)	10.6		0.22	4.9073	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW6010B	ZINC (TOTAL)	9.1		0.39	1.9629	mg/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW8270C	BENZOIC ACID	160	J	138	930	ug/Kg
SS15208-A	ECC031104J301 (post)	3/18/2004	SW8270C	PHENOL	44	J	43.9	370	ug/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	ALUMINUM	10800		3.3	20.324	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	ANTIMONY	0.54	J	0.29	6.0972	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	ARSENIC	4.1		0.28	1.0162	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	BARIUM	22.7		0.54	20.324	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	BERYLLIUM	0.42	J	0.03	0.5081	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	BORON	2.9	J	0.23	10.162	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	CADMIUM	0.24	J	0.071	0.5081	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	CALCIUM	425	J	17.8	508.0991	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	CHROMIUM, TOTAL	14.8		0.15	1.0162	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	COBALT	4.2	J	0.23	5.081	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	COPPER	8.6		0.3	2.5405	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	IRON	12300		3.6	10.162	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	LEAD	9.6		0.16	0.3049	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	MAGNESIUM	1870		15.5	508.0991	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	MANGANESE	115		0.11	1.5243	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	MOLYBDENUM	0.61	J	0.24	1.0162	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	NICKEL	7.9		0.24	4.0648	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	POTASSIUM	721		39.7	508.0991	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	SELENIUM	0.51		0.39	0.5081	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	VANADIUM	23.4		0.22	5.081	mg/Kg
SS15208-A	ECC031104J301 (pre)	3/17/2004	SW6010B	ZINC	23.2		0.41	2.0324	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	ALUMINUM (TOTAL)	6010		5.7	18.2037	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	ARSENIC (TOTAL)	3.5		0.47	0.9102	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	BARIUM (TOTAL)	10.8	J	1.7	18.2037	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.091	0.4551	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	BORON (TOTAL)	1.4	J	1.1	9.1018	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	CADMIUM (TOTAL)	0.21	J	0.064	0.4551	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	CALCIUM (TOTAL)	122	J	44.7	455.0916	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	CHROMIUM (TOTAL)	7.8		0.52	0.9102	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	COBALT (TOTAL)	2.2	J	0.34	4.5509	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	COPPER (TOTAL)	96.3		0.32	2.2755	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	IRON (TOTAL)	8570		3.9	9.1018	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	LEAD (TOTAL)	34.5		0.24	0.2731	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	MAGNESIUM (TOTAL)	1060		44.2	455.0916	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	MANGANESE (TOTAL)	85.2		0.17	1.3653	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	MOLYBDENUM (TOTAL)	0.54	J	0.27	0.9102	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	NICKEL (TOTAL)	4.8		1.5	3.6407	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	POTASSIUM (TOTAL)	562		100	455.0916	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	SELENIUM (TOTAL)	0.67		0.33	0.4551	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	SODIUM (TOTAL)	214	J	83.7	455.0916	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	VANADIUM (TOTAL)	16.1		0.4	4.5509	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW6010B	ZINC (TOTAL)	16.1		0.83	1.8204	mg/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW8270C	BENZOIC ACID	210	J	135	910	ug/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	720		101	360	ug/Kg
SS15213-A	ECC031704J301 (post)	3/25/2004	SW9012A	CYANIDE	1.8		0.5	0.5	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	E314.0	PERCHLORATE	33		1.6	5	ug/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	ALUMINUM	6710		6.7	21.4353	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	ARSENIC	3.1		0.56	1.0718	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	BARIUM	11.9	J	2	21.4353	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	BERYLLIUM	0.27	J	0.11	0.5359	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	BORON	2.4	J	1.3	10.7177	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	CADMIUM	0.18	J	0.075	0.5359	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	CALCIUM	123	J	52.7	535.8827	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	CHROMIUM, TOTAL	8.4		0.61	1.0718	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	COBALT	2.3	J	0.4	5.3588	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	COPPER	4.4		0.38	2.6794	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	IRON	7890		4.5	10.7177	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	LEAD	5.4		0.28	0.3215	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	MAGNESIUM	1100		52	535.8827	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	MANGANESE	76.5		0.2	1.6076	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	MOLYBDENUM	0.43	J	0.32	1.0718	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	NICKEL	4.5		1.8	4.2871	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	POTASSIUM	578		118	535.8827	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	SODIUM	238	J	98.6	535.8827	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	VANADIUM	16.8		0.47	5.3588	mg/Kg
SS15213-A	ECC031704J301 (pre)	3/25/2004	SW6010B	ZINC	12.4		0.98	2.1435	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	ALUMINUM (TOTAL)	4680		5.8	18.8019	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	ARSENIC (TOTAL)	3.3		0.49	0.9401	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	BARIUM (TOTAL)	10.6	J	1.8	18.8019	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.094	0.47	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	CADMIUM (TOTAL)	0.19	J	0.066	0.47	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	CALCIUM (TOTAL)	835		46.2	470.0485	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	CHROMIUM (TOTAL)	6.7		0.54	0.9401	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	COBALT (TOTAL)	1.8	J	0.35	4.7005	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	COPPER (TOTAL)	370		0.33	2.3502	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	IRON (TOTAL)	7700		4	9.401	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	LEAD (TOTAL)	80.8		0.24	0.282	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	MAGNESIUM (TOTAL)	824		45.6	470.0485	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	MANGANESE (TOTAL)	78.7		0.18	1.4101	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	MOLYBDENUM (TOTAL)	0.39	J	0.28	0.9401	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	NICKEL (TOTAL)	3.3	J	1.6	3.7604	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	POTASSIUM (TOTAL)	462	J	103	470.0485	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	SELENIUM (TOTAL)	1		0.34	0.47	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	SODIUM (TOTAL)	154	J	86.5	470.0485	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	VANADIUM (TOTAL)	14		0.41	4.7005	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW6010B	ZINC (TOTAL)	25.5		0.86	1.8802	mg/Kg
SS15214-A	ECC031704J302 (post)	3/25/2004	SW8270C	BENZOIC ACID	1500		134	900	ug/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	ALUMINUM	6550		5.9	18.9052	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	ARSENIC	3.3		0.49	0.9453	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	BARIUM	13.4	J	1.8	18.9052	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	BERYLLIUM	0.29	J	0.095	0.4726	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	BORON	2.8	J	1.1	9.4526	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	CADMIUM	0.22	J	0.066	0.4726	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	CALCIUM	2240		46.5	472.63	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	CHROMIUM, TOTAL	9		0.54	0.9453	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	COBALT	2.3	J	0.35	4.7263	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	COPPER	4.4		0.33	2.3632	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	IRON	8570		4	9.4526	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	LEAD	5.5		0.25	0.2836	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	MAGNESIUM	1250		45.9	472.63	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	MANGANESE	85.6		0.18	1.4179	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	MOLYBDENUM	0.52	J	0.28	0.9453	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	NICKEL	4.1		1.6	3.781	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	POTASSIUM	598		104	472.63	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	SELENIUM	0.36	J	0.34	0.4726	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	SODIUM	244	J	87	472.63	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	VANADIUM	15.5		0.42	4.7263	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW6010B	ZINC	12.9		0.86	1.8905	mg/Kg
SS15214-A	ECC031704J302 (pre)	3/25/2004	SW8270C	BENZOIC ACID	1600		138	930	ug/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	ALUMINUM (TOTAL)	15600		7.5	24.2078	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	ARSENIC (TOTAL)	5.5		0.63	1.2104	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	BARIUM (TOTAL)	21.7	J	2.3	24.2078	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	BERYLLIUM (TOTAL)	0.41	J	0.12	0.6052	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	CADMIUM (TOTAL)	0.45	J	0.085	0.6052	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	CALCIUM (TOTAL)	188	J	59.5	605.195	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	CHROMIUM (TOTAL)	18.1		0.69	1.2104	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	COBALT (TOTAL)	3.4	J	0.45	6.0519	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	COPPER (TOTAL)	585		0.42	3.026	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	IRON (TOTAL)	15900		5.1	12.1039	mg/Kg

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ug/Kg = microgram per Kilogram
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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	LEAD (TOTAL)	179		0.31	0.3631	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	MAGNESIUM (TOTAL)	2220		58.7	605.195	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	MANGANESE (TOTAL)	96.7		0.23	1.8156	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	MOLYBDENUM (TOTAL)	0.55	J	0.36	1.2104	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	NICKEL (TOTAL)	8		2	4.8416	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	POTASSIUM (TOTAL)	959		133	605.195	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	SELENIUM (TOTAL)	1.7		0.44	0.6052	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	SODIUM (TOTAL)	439	J	111	605.195	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	VANADIUM (TOTAL)	26.8		0.53	6.0519	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW6010B	ZINC (TOTAL)	24.2		1.1	2.4208	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW7471A	MERCURY (TOTAL)	0.022	J	0.017	0.0407	mg/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW8270C	BENZOIC ACID	160	J	150	1000	ug/Kg
SS15215-A	ECC032304J301 (post)	3/25/2004	SW9012A	CYANIDE	0.59		0.53	0.5315	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	ALUMINUM	6190		6.6	21.3408	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	ARSENIC	2.9		0.55	1.067	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	BARIUM	8.4	J	2	21.3408	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	BERYLLIUM	0.19	J	0.11	0.5335	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	BORON	2.1	J	1.2	10.6704	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	CADMIUM	0.19	J	0.075	0.5335	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	CALCIUM	147	J	52.5	533.5211	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	CHROMIUM, TOTAL	7.1		0.61	1.067	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	COBALT	1.9	J	0.39	5.3352	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	COPPER	4.2		0.37	2.6676	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	IRON	7290		4.5	10.6704	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	LEAD	4.1		0.28	0.3201	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	MAGNESIUM	1210		51.8	533.5211	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	MANGANESE	83.2		0.2	1.6006	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	NICKEL	3.1	J	1.8	4.2682	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	POTASSIUM	457	J	117	533.5211	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	SODIUM	189	J	98.2	533.5211	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	VANADIUM	11.7		0.47	5.3352	mg/Kg
SS15215-A	ECC032304J301 (pre)	3/25/2004	SW6010B	ZINC	14		0.97	2.1341	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	ALUMINUM (TOTAL)	7590		1.6	18.104	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	ARSENIC (TOTAL)	3.4		0.24	0.9052	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	BARIUM (TOTAL)	13.7	J	0.11	18.104	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.018	0.4526	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	BORON (TOTAL)	3.5	J	0.16	9.052	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	CADMIUM (TOTAL)	0.32	J	0.027	0.4526	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	CALCIUM (TOTAL)	222	J	11.5	452.5993	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	CHROMIUM (TOTAL)	9		0.072	0.9052	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	COBALT (TOTAL)	3.5	J	0.1	4.526	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	COPPER (TOTAL)	10.5		0.063	2.263	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	IRON (TOTAL)	9100		1.7	9.052	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	LEAD (TOTAL)	6.3		0.15	0.2716	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	MAGNESIUM (TOTAL)	1250		8.2	452.5993	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	MANGANESE (TOTAL)	94.5		0.17	1.3578	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	MOLYBDENUM (TOTAL)	0.36	J	0.09	0.9052	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	NICKEL (TOTAL)	4.5		0.13	3.6208	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	POTASSIUM (TOTAL)	691		9.9	452.5993	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	THALLIUM (TOTAL)	0.57	J	0.32	0.9052	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	VANADIUM (TOTAL)	14.6		0.13	4.526	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW6010B	ZINC (TOTAL)	15.8		0.14	1.8104	mg/Kg
SS15216-A	ECC032604J301 (post)	4/1/2004	SW8330	TETRYL	45		1.66	13	ug/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	ALUMINUM	13700		1.8	20.6988	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	ARSENIC	5		0.27	1.0349	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	BARIUM	21.4		0.12	20.6988	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	BERYLLIUM	0.52		0.021	0.5175	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	BORON	4.6	J	0.19	10.3494	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	CADMIUM	0.23	J	0.031	0.5175	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	CALCIUM	403	J	13.1	517.4698	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	CHROMIUM, TOTAL	15.8		0.083	1.0349	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	COBALT	3.9	J	0.11	5.1747	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	COPPER	7.4		0.072	2.5873	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	IRON	13800		2	10.3494	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	LEAD	8.8		0.18	0.3105	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	MAGNESIUM	1870		9.4	517.4698	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	MANGANESE	96.4		0.2	1.5524	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	MOLYBDENUM	0.47	J	0.1	1.0349	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	NICKEL	7		0.14	4.1398	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	POTASSIUM	910		11.3	517.4698	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	THALLIUM	1.3		0.36	1.0349	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	VANADIUM	24.3		0.14	5.1747	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW6010B	ZINC	34.4		0.16	2.0699	mg/Kg
SS15216-A	ECC032604J301 (pre)	4/1/2004	SW7471A	MERCURY	0.023	J	0.02	0.0489	mg/Kg
SS338-A	SS338A_PE1	8/29/2006	SW6010B	COPPER	4.7		0.11	1.8797	mg/Kg
SS338-A	SS338A_PE1	8/29/2006	SW6010B	LEAD	16.4		0.25	0.7519	mg/Kg
SS338-A	SS338A_PE1	8/29/2006	SW6010B	ZINC	10	J	0.092	1.5038	mg/Kg
SS338-A	SS338A_PE2	8/29/2006	SW6010B	COPPER	2	J	0.19	1.8382	mg/Kg
SS338-A	SS338A_PE2	8/29/2006	SW6010B	LEAD	7.1		0.23	0.7353	mg/Kg
SS338-A	SS338A_PE2	8/29/2006	SW6010B	ZINC	10.8		0.087	1.4706	mg/Kg
SS338-A	SS338A_PE3	8/29/2006	SW6010B	COPPER	3.4		0.11	1.8657	mg/Kg
SS338-A	SS338A_PE3	8/29/2006	SW6010B	LEAD	7.9		0.25	0.7463	mg/Kg
SS338-A	SS338A_PE3	8/29/2006	SW6010B	ZINC	13.8		0.093	1.4925	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	ALUMINUM (TOTAL)	10200		9.8	22.3554	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	ANTIMONY (TOTAL)	0.48	J	0.46	6.7066	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	ARSENIC (TOTAL)	2.5		0.47	1.1178	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS338-A	SS338-SS1	4/14/2005	SW6010B	BARIUM (TOTAL)	12.4	J	0.94	22.3554	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.22	J	0.022	0.5589	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	CALCIUM (TOTAL)	51.2	J	23.6	558.884	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	CHROMIUM (TOTAL)	10.2		0.13	1.1178	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	COBALT (TOTAL)	2.1	J	0.3	5.5888	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	COPPER (TOTAL)	2.9		0.29	2.7944	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	IRON (TOTAL)	9680		4.2	11.1777	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	LEAD (TOTAL)	7.5		0.32	0.3353	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	839		23.5	558.884	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	MANGANESE (TOTAL)	41.9		0.078	1.6767	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.76	J	0.22	1.1178	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	NICKEL (TOTAL)	4.4	J	0.34	4.4711	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	POTASSIUM (TOTAL)	368	J	47.5	558.884	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.87		0.42	0.5589	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	VANADIUM (TOTAL)	17.2		0.3	5.5888	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW6010B	ZINC (TOTAL)	18.1		0.18	2.2355	mg/Kg
SS338-A	SS338-SS1	4/14/2005	SW7471A	MERCURY (TOTAL)	0.023	J	0.019	0.0459	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	ALUMINUM (TOTAL)	13200		10	22.8139	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	ARSENIC (TOTAL)	4.5		0.48	1.1407	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	BARIUM (TOTAL)	17.2	J	0.96	22.8139	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.023	0.5703	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	CALCIUM (TOTAL)	67	J	24.1	570.3465	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	CHROMIUM (TOTAL)	13.9		0.14	1.1407	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	COBALT (TOTAL)	3.1	J	0.31	5.7035	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	COPPER (TOTAL)	7.2		0.3	2.8517	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	IRON (TOTAL)	15200		4.3	11.4069	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	LEAD (TOTAL)	12.4		0.33	0.3422	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	1210		24	570.3465	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	MANGANESE (TOTAL)	66.4		0.08	1.711	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.75	J	0.23	1.1407	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	NICKEL (TOTAL)	5.6		0.34	4.5628	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	POTASSIUM (TOTAL)	531	J	48.4	570.3465	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	SELENIUM (TOTAL)	1.2		0.43	0.5703	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	THALLIUM (TOTAL)	0.84	J	0.73	1.1407	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	VANADIUM (TOTAL)	23.6		0.31	5.7035	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW6010B	ZINC (TOTAL)	124		0.18	2.2814	mg/Kg
SS338-A	SS338-SS2	4/14/2005	SW7471A	MERCURY (TOTAL)	0.044		0.019	0.0446	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	ALUMINUM (TOTAL)	12100		11.2	25.4489	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	ANTIMONY (TOTAL)	0.59	J	0.52	7.6347	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	ARSENIC (TOTAL)	4.1		0.53	1.2724	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	BARIUM (TOTAL)	20.7	J	1.1	25.4489	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.025	0.6362	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	CALCIUM (TOTAL)	507	J	26.9	636.2214	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS338-A	SS338-SS3	4/14/2005	SW6010B	CHROMIUM (TOTAL)	13.2		0.15	1.2724	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	COBALT (TOTAL)	3.1	J	0.34	6.3622	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	COPPER (TOTAL)	7.3		0.33	3.1811	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	IRON (TOTAL)	13600		4.8	12.7244	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	LEAD (TOTAL)	11.4		0.37	0.3817	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	1230		26.7	636.2214	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	MANGANESE (TOTAL)	67.1		0.089	1.9087	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.71	J	0.25	1.2724	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	NICKEL (TOTAL)	6.2		0.38	5.0898	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	POTASSIUM (TOTAL)	556	J	54	636.2214	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	SELENIUM (TOTAL)	1.1		0.48	0.6362	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	VANADIUM (TOTAL)	23		0.34	6.3622	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW6010B	ZINC (TOTAL)	87.6		0.2	2.5449	mg/Kg
SS338-A	SS338-SS3	4/14/2005	SW7471A	MERCURY (TOTAL)	0.033	J	0.022	0.0524	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	ALUMINUM (TOTAL)	9770		9	20.4286	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	ARSENIC (TOTAL)	2.7		0.43	1.0214	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	BARIUM (TOTAL)	9.9	J	0.86	20.4286	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.02	0.5107	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	CALCIUM (TOTAL)	52.2	J	21.6	510.7148	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	CHROMIUM (TOTAL)	9.4		0.12	1.0214	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	COBALT (TOTAL)	1.8	J	0.28	5.1071	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	COPPER (TOTAL)	3		0.27	2.5536	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	IRON (TOTAL)	9100		3.9	10.2143	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	LEAD (TOTAL)	6.6		0.3	0.3064	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	691		21.5	510.7148	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	MANGANESE (TOTAL)	34.5		0.071	1.5321	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.71	J	0.2	1.0214	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	NICKEL (TOTAL)	3.8	J	0.31	4.0857	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	POTASSIUM (TOTAL)	312	J	43.4	510.7148	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.51	J	0.39	0.5107	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	VANADIUM (TOTAL)	16		0.28	5.1071	mg/Kg
SS338-A	SS338-SS4	4/14/2005	SW6010B	ZINC (TOTAL)	13.7		0.16	2.0429	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	ALUMINUM (TOTAL)	10100		9.9	22.5897	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	ARSENIC (TOTAL)	2.9		0.47	1.1295	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	BARIUM (TOTAL)	11.2	J	0.95	22.5897	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.023	0.5647	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	CALCIUM (TOTAL)	104	J	23.8	564.742	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	CHROMIUM (TOTAL)	10		0.14	1.1295	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	COBALT (TOTAL)	2	J	0.3	5.6474	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	COPPER (TOTAL)	3.1		0.29	2.8237	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	IRON (TOTAL)	11200		4.3	11.2948	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	LEAD (TOTAL)	6.5		0.33	0.3388	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	650		23.7	564.742	mg/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	MANGANESE (TOTAL)	35.3		0.079	1.6942	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.72	J	0.23	1.1295	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	NICKEL (TOTAL)	4.4	J	0.34	4.5179	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	POTASSIUM (TOTAL)	351	J	48	564.742	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.62		0.43	0.5647	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	VANADIUM (TOTAL)	17.6		0.3	5.6474	mg/Kg
SS338-A	SS338-SS4FD	4/14/2005	SW6010B	ZINC (TOTAL)	17.2		0.18	2.259	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	ALUMINUM (TOTAL)	10800		8.3	18.8902	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	ANTIMONY (TOTAL)	0.6	J	0.39	5.6671	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	ARSENIC (TOTAL)	3.7		0.4	0.9445	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	BARIUM (TOTAL)	15.1	J	0.79	18.8902	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.019	0.4723	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	CALCIUM (TOTAL)	98	J	19.9	472.255	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	CHROMIUM (TOTAL)	12.8		0.11	0.9445	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	COBALT (TOTAL)	3.4	J	0.26	4.7226	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	COPPER (TOTAL)	4.2		0.25	2.3613	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	IRON (TOTAL)	11900		3.6	9.4451	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	LEAD (TOTAL)	7		0.27	0.2834	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	1550		19.9	472.255	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	MANGANESE (TOTAL)	60.6		0.066	1.4168	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.7	J	0.19	0.9445	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	NICKEL (TOTAL)	6.6		0.28	3.778	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	POTASSIUM (TOTAL)	530		40.1	472.255	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.49		0.36	0.4723	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	VANADIUM (TOTAL)	21		0.26	4.7226	mg/Kg
SS338-A	SS338-SS5	4/14/2005	SW6010B	ZINC (TOTAL)	22.5		0.15	1.889	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	ALUMINUM (TOTAL)	12300		9	20.4236	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	ARSENIC (TOTAL)	4.8		0.43	1.0212	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	BARIUM (TOTAL)	15.1	J	0.86	20.4236	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.02	0.5106	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	CALCIUM (TOTAL)	113	J	21.6	510.5896	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	CHROMIUM (TOTAL)	14.2		0.12	1.0212	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	COBALT (TOTAL)	4.1	J	0.28	5.1059	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	COPPER (TOTAL)	6.7		0.27	2.5529	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	IRON (TOTAL)	14400		3.9	10.2118	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	LEAD (TOTAL)	8.8		0.3	0.3064	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	1630		21.5	510.5896	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	MANGANESE (TOTAL)	97		0.071	1.5318	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.68	J	0.2	1.0212	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	NICKEL (TOTAL)	7.5		0.31	4.0847	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	POTASSIUM (TOTAL)	572		43.4	510.5896	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	SELENIUM (TOTAL)	1.2		0.39	0.5106	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW6010B	VANADIUM (TOTAL)	22.8		0.28	5.1059	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS338-A	SS338-SS6	4/14/2005	SW6010B	ZINC (TOTAL)	204		0.16	2.0424	mg/Kg
SS338-A	SS338-SS6	4/14/2005	SW7471A	MERCURY (TOTAL)	0.019	J	0.017	0.0399	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	ALUMINUM (TOTAL)	12500		11.1	25.1294	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	ARSENIC (TOTAL)	4.4		0.53	1.2565	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	BARIUM (TOTAL)	16.9	J	1.1	25.1294	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.025	0.6282	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	CALCIUM (TOTAL)	101	J	26.5	628.2354	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	CHROMIUM (TOTAL)	13.1		0.15	1.2565	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	COBALT (TOTAL)	3.1	J	0.34	6.2824	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	COPPER (TOTAL)	7.3		0.33	3.1412	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	IRON (TOTAL)	13800		4.8	12.5647	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	LEAD (TOTAL)	11.6		0.36	0.3769	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	1130		26.4	628.2354	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	MANGANESE (TOTAL)	69.1		0.088	1.8847	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.73	J	0.25	1.2565	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	NICKEL (TOTAL)	5.8		0.38	5.0259	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	POTASSIUM (TOTAL)	534	J	53.3	628.2354	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.81		0.48	0.6282	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	THALLIUM (TOTAL)	1.1	J	0.8	1.2565	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	VANADIUM (TOTAL)	23.3		0.34	6.2824	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW6010B	ZINC (TOTAL)	126		0.2	2.5129	mg/Kg
SS338-A	SS338-SS7	4/14/2005	SW7471A	MERCURY (TOTAL)	0.037		0.019	0.0448	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	ALUMINUM (TOTAL)	8390		8.8	20.0361	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	ANTIMONY (TOTAL)	0.48	J	0.41	6.0108	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	ARSENIC (TOTAL)	2.6		0.42	1.0018	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	BARIUM (TOTAL)	13.9	J	0.84	20.0361	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.22	J	0.02	0.5009	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	CALCIUM (TOTAL)	66.4	J	21.1	500.9016	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	CHROMIUM (TOTAL)	10.1		0.12	1.0018	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	COBALT (TOTAL)	3.1	J	0.27	5.009	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	COPPER (TOTAL)	3.9		0.26	2.5045	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	IRON (TOTAL)	7820		3.8	10.018	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	LEAD (TOTAL)	4.6		0.29	0.3005	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	1410		21.1	500.9016	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	MANGANESE (TOTAL)	55.7		0.07	1.5027	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.43	J	0.2	1.0018	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	NICKEL (TOTAL)	5.7		0.3	4.0072	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	POTASSIUM (TOTAL)	546		42.5	500.9016	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	VANADIUM (TOTAL)	13.3		0.27	5.009	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW6010B	ZINC (TOTAL)	15.8		0.16	2.0036	mg/Kg
SS338-A	SS338-SS8	4/14/2005	SW7471A	MERCURY (TOTAL)	0.023	J	0.018	0.0419	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	ALUMINUM (TOTAL)	11300		3	18.1353	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	ANTIMONY (TOTAL)	2.6	J	0.31	5.4406	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	ARSENIC (TOTAL)	4.1		0.27	0.9068	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	BARIUM (TOTAL)	11.9	J	0.45	18.1353	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.027	0.4534	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	BORON (TOTAL)	4.4	J	0.27	9.0677	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	CADMIUM (TOTAL)	0.3	J	0.054	0.4534	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	CALCIUM (TOTAL)	200	J	12.4	453.3831	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	CHROMIUM (TOTAL)	13.5		0.1	0.9068	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	COBALT (TOTAL)	3.3	J	0.15	4.5338	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	COPPER (TOTAL)	40.3		0.24	2.2669	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	IRON (TOTAL)	13400		4.3	9.0677	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	LEAD (TOTAL)	43.7		0.14	0.272	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	MAGNESIUM (TOTAL)	1350		12.7	453.3831	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	MANGANESE (TOTAL)	82.8		0.045	1.3601	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	MOLYBDENUM (TOTAL)	0.44	J	0.13	0.9068	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	NICKEL (TOTAL)	6.9		0.15	3.6271	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	POTASSIUM (TOTAL)	472		17.8	453.3831	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	VANADIUM (TOTAL)	18.7		0.15	4.5338	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW6010B	ZINC (TOTAL)	43.7		0.16	1.8135	mg/Kg
SSJ340MMPIT	GPR fuseloc (base)	8/25/2004	SW7471A	MERCURY (TOTAL)	0.033	J	0.019	0.0456	mg/Kg
SSJ3C7003	J3C7003_PE1	8/29/2006	E331.0	PERCHLORATE	2		0.25	0.83	ug/Kg
SSJ3C7003	J3C7003_PE2	8/29/2006	E331.0	PERCHLORATE	0.92		0.247	0.82	ug/Kg
SSJ3C7003	J3C7003_PE3	8/29/2006	E331.0	PERCHLORATE	0.65	J	0.245	0.82	ug/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	ALUMINUM (TOTAL)	2920		3	18.4422	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	ARSENIC (TOTAL)	2.5		0.28	0.9221	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	BARIUM (TOTAL)	5.5	J	0.46	18.4422	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	BERYLLIUM (TOTAL)	0.22	J	0.028	0.4611	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	BORON (TOTAL)	1.2	J	0.28	9.2211	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	CADMIUM (TOTAL)	0.12	J	0.055	0.4611	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	CALCIUM (TOTAL)	135	J	12.6	461.0547	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	CHROMIUM (TOTAL)	4.3		0.1	0.9221	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	COBALT (TOTAL)	2.6	J	0.16	4.6105	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	COPPER (TOTAL)	21		0.24	2.3053	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	IRON (TOTAL)	5400		4.4	9.2211	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	LEAD (TOTAL)	3.2		0.14	0.2766	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	MAGNESIUM (TOTAL)	627		13	461.0547	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	MANGANESE (TOTAL)	84.3		0.046	1.3832	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	NICKEL (TOTAL)	2.9	J	0.15	3.6884	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	POTASSIUM (TOTAL)	254	J	18.1	461.0547	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	SELENIUM (TOTAL)	0.55	J	0.3	0.4611	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	VANADIUM (TOTAL)	9.2		0.15	4.6105	mg/Kg
SSJ3C7004	ECC080504J302 (post)	8/12/2004	SW6010B	ZINC (TOTAL)	8.8		0.17	1.8442	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	E314.0	PERCHLORATE	5.3		1.3	4.1	ug/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	ALUMINUM	1850		2.9	17.7563	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	ANTIMONY	0.31	J	0.3	5.3269	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	ARSENIC	2		0.27	0.8878	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	BARIUM	3.6	J	0.44	17.7563	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	BERYLLIUM	0.19	J	0.027	0.4439	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	BORON	1.1	J	0.27	8.8782	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	CADMIUM	0.073	J	0.053	0.4439	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	CALCIUM	79.6	J	12.2	443.9078	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	CHROMIUM, TOTAL	3.3		0.098	0.8878	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	COBALT	1.8	J	0.15	4.4391	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	COPPER	2.7		0.23	2.2195	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	IRON	4690		4.2	8.8782	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	LEAD	2.5		0.13	0.2663	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	MAGNESIUM	410	J	12.5	443.9078	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	MANGANESE	66		0.044	1.3317	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	NICKEL	2.7	J	0.14	3.5513	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	POTASSIUM	203	J	17.4	443.9078	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	VANADIUM	8.6		0.14	4.4391	mg/Kg
SSJ3C7004	ECC080504J302 (pre)	8/11/2004	SW6010B	ZINC	7.2		0.16	1.7756	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	E331.0	PERCHLORATE	3.3		0.32	1.1	ug/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	ALUMINUM	11100		4.6	19.859	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	ARSENIC	4.2		0.43	0.993	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	BARIUM	73.9		0.7	19.859	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	BERYLLIUM	0.31	J	0.02	0.4965	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	CALCIUM	742		28.6	496.475	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	CHROMIUM, TOTAL	12.2		0.15	0.993	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	COBALT	2.5	J	0.24	4.9648	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	COPPER	200	J	0.21	2.4824	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	IRON	13800		3.6	19.859	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	LEAD	69.2	J	0.27	0.993	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	MAGNESIUM	950		15.6	496.475	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	MANGANESE	71.8		0.07	1.4894	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	MOLYBDENUM	0.6	J	0.23	0.993	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	NICKEL	5.9		0.18	3.9718	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	POTASSIUM	442	J	28.3	496.475	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	SELENIUM	2.3	J	0.35	3.4753	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	VANADIUM	22.8		0.22	4.9648	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW6010B	ZINC	23		0.7	1.8618	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW7471A	MERCURY	0.026	J	0.019	0.046	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	40		4.8	13	ug/Kg
SSJ3D5001	ECC121905J3NDA01 (post)	12/22/2005	SW9012A	CYANIDE	1.6		0.61	0.61	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	E331.0	PERCHLORATE	14.9		0.347	1.2	ug/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	ALUMINUM	11800		5.4	23.1214	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	ARSENIC	4.3		0.5	1.1561	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	BARIUM	21.4	J	0.82	23.1214	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	BERYLLIUM	0.32	J	0.023	0.578	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	BORON	3.5	J	0.46	11.5607	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	CALCIUM	341	J	33.2	578.0347	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	CHROMIUM, TOTAL	12.8		0.17	1.1561	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	COBALT	2.7	J	0.28	5.7803	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	COPPER	8.1		0.24	2.8902	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	IRON	13700		4.1	23.1214	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	LEAD	14.8		0.31	1.1561	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	MAGNESIUM	999		18.2	578.0347	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	MANGANESE	68.6		0.081	1.7341	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	MOLYBDENUM	0.72	J	0.27	1.1561	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	NICKEL	6		0.21	4.6243	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	POTASSIUM	493	J	32.9	578.0347	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	SELENIUM	1.4	J	0.4	4.0462	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	VANADIUM	23.8		0.25	5.7803	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW6010B	ZINC	17.9		0.79	2.1096	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW7471A	MERCURY	0.043	J	0.024	0.0578	mg/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW8270C	ACETOPHENONE	410	TI			ug/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW8330	2,4,6-TRINITROTOLUENE	38		3.6	13	ug/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW8330	2,4-DINITROTOLUENE	22		3.6	13	ug/Kg
SSJ3D5001	ECC121905J3NDA01 (pre)	12/20/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	93		4.8	13	ug/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	ALUMINUM	11600		3.7	16.1051	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	ANTIMONY	1.1	J	0.9	4.8315	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	ARSENIC	4.7		0.61	0.8053	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	BARIUM	14.8	J	0.48	16.1051	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	BERYLLIUM	0.43		0.024	0.4026	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	BORON	2.8	J	0.68	8.0526	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	CALCIUM	84.7	J	26.7	402.6284	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	CHROMIUM, TOTAL	15		0.12	0.8053	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	COBALT	4.3		0.22	4.0263	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	COPPER	39.6		0.17	2.0131	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	IRON	14000		4.4	16.1051	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	LEAD	11.7		0.22	0.8053	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	MAGNESIUM	2140		12.6	402.6284	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	MANGANESE	110		0.064	1.2079	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	MOLYBDENUM	0.53	J	0.22	0.8053	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	NICKEL	8.1		0.17	3.221	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	POTASSIUM	756		42	402.6284	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	SODIUM	83.3	J	47.5	402.6284	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	VANADIUM	20.1		0.2	4.0263	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (post)	2/15/2006	SW6010B	ZINC	19.1		1.3	1.6105	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	ALUMINUM	14900		4.3	18.3908	mg/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	ANTIMONY	1.4	J	1	5.5172	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	ARSENIC	4		0.7	0.9195	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	BARIUM	15.3	J	0.55	18.3908	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	BERYLLIUM	0.34	J	0.028	0.4598	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	BORON	1.9	J	0.78	9.1954	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	CALCIUM	97.9	J	30.5	459.7701	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	CHROMIUM, TOTAL	16		0.14	0.9195	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	COBALT	2.3	J	0.25	4.5977	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	COPPER	4.7		0.19	2.2989	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	IRON	14500		5	18.3908	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	LEAD	8.1		0.25	0.9195	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	MAGNESIUM	1280		14.4	459.7701	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	MANGANESE	57.6		0.074	1.3793	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	MOLYBDENUM	0.68	J	0.25	0.9195	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	NICKEL	6		0.19	3.6782	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	POTASSIUM	488		47.9	459.7701	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	SELENIUM	0.53	J	0.44	3.2184	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	SODIUM	71.9	J	54.2	459.7701	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	VANADIUM	22.3		0.23	4.5977	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW6010B	ZINC	12.2		1.5	1.8391	mg/Kg
SSJ3D5002	ECC020906J3NDA01 (pre)	2/15/2006	SW7471A	MERCURY	0.025	J	0.021	0.05	mg/Kg
SSJ3DA001	J3DA (base)	11/18/2004	M8015D	C9-C18 ALIPHATIC HYDROCARBONS	54		0.1	7.1	mg/Kg
SSJ3DA001	J3DA (base)	11/18/2004	M8015V	C9-C10 AROMATIC HYDROCARBONS	29000		0.1	6000	ug/Kg
SSJ3DA001	J3DA (base)	11/18/2004	M8015V	C9-C12 ALIPHATIC HYDROCARBONS	77000		0.1	6000	ug/Kg
SSJ3DA001	J3DA (sidewall_east)	12/8/2004	SW8260B	ACETONE	84		2.4	5.8	ug/Kg
SSJ3DA001	J3DA (sidewall_east)	12/8/2004	SW8260B	CARBON DISULFIDE	1.5	J	0.0784	5.8	ug/Kg
SSJ3DA001	J3DA (sidewall_east)	12/8/2004	SW8260B	ETHYLBENZENE	6.3	J	0.0869	5.8	ug/Kg
SSJ3DA001	J3DA (sidewall_east)	12/8/2004	SW8260B	M,P-XYLENE (SUM OF ISOMERS)	23	J	0.428	5.8	ug/Kg
SSJ3DA001	J3DA (sidewall_east)	12/8/2004	SW8260B	METHYL ETHYL KETONE (2-BUTANONE)	11		1.43	5.8	ug/Kg
SSJ3DA001	J3DA (sidewall_east)	12/8/2004	SW8260B	O-XYLENE (1,2-DIMETHYLBENZENE)	12	J	0.162	5.8	ug/Kg
SSJ3DA001	J3DA (sidewall_east)	12/8/2004	SW8260B	TOLUENE	8.1	J	0.229	5.8	ug/Kg
SSJ3DA001	J3DA (sidewall_east)	12/8/2004	SW8260B	XYLENES, TOTAL	36	J	0.506	5.8	ug/Kg
SSJ3DA001	J3DA (sidewalls)	11/18/2004	M8015D	C19-C36 ALIPHATIC HYDROCARBONS	11		0.1	9.6	mg/Kg
SSJ3DA001	J3DA (sidewalls)	11/18/2004	M8015D	C9-C18 ALIPHATIC HYDROCARBONS	65		0.1	7.2	mg/Kg
SSJ3DA001	J3DA (sidewalls)	11/18/2004	M8015V	C9-C10 AROMATIC HYDROCARBONS	11000		0.1	5900	ug/Kg
SSJ3DA001	J3DA (sidewalls)	11/18/2004	M8015V	C9-C12 ALIPHATIC HYDROCARBONS	34000		0.1	5900	ug/Kg
SSJ3DA001	J3DA (sidewalls)	11/18/2004	M8015V	XYLENES, TOTAL	130		0.1	120	ug/Kg
SSJ3DA01	J3DA01_100A	9/15/2008	SW6850	PERCHLORATE	0.12	J	0.075	0.8	ug/Kg
SSJ3DA01	J3DA01_100B	9/15/2008	SW6850	PERCHLORATE	0.091	J	0.075	0.8	ug/Kg
SSJ3DA02	J3DA02_030A	9/15/2008	SW6850	PERCHLORATE	0.5	J	0.075	0.8	ug/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW8260B	ACETONE	400		3.17	7.6	ug/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW8260B	METHYL ETHYL KETONE (2-BUTANONE)	35		1.89	7.6	ug/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW8260B	TOLUENE	2.4	J	0.302	7.6	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	ALUMINUM (TOTAL)	15200		3.4	20.6096	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	ANTIMONY (TOTAL)	0.37	J	0.3	6.1829	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	ARSENIC (TOTAL)	4.3		0.29	1.0305	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	BARIUM (TOTAL)	30.8		0.55	20.6096	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	BERYLLIUM (TOTAL)	0.41	J	0.031	0.5152	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	CALCIUM (TOTAL)	487	J	18	515.2408	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	CHROMIUM (TOTAL)	17.4		0.15	1.0305	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	COBALT (TOTAL)	3.1	J	0.24	5.1524	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	COPPER (TOTAL)	11.3		0.31	2.5762	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	IRON (TOTAL)	24400		3.7	10.3048	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	LEAD (TOTAL)	24.2		0.16	0.3091	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	MAGNESIUM (TOTAL)	1270		15.7	515.2408	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	MANGANESE (TOTAL)	119		0.11	1.5457	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	MOLYBDENUM (TOTAL)	0.68	J	0.25	1.0305	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	NICKEL (TOTAL)	7.7		0.25	4.1219	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	POTASSIUM (TOTAL)	821		40.3	515.2408	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	SELENIUM (TOTAL)	0.91		0.39	0.5152	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	THALLIUM (TOTAL)	1.9		0.43	1.0305	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	VANADIUM (TOTAL)	26.8		0.23	5.1524	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW6010B	ZINC (TOTAL)	35.9		0.41	2.061	mg/Kg
SSJ3DRUM	J3Drumsoil	3/22/2004	SW7471A	MERCURY (TOTAL)	0.029	J	0.021	0.0499	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	ALUMINUM	8400		1.5	17.7038	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	ANTIMONY	1	J	0.99	5.3111	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	ARSENIC	3.4		0.67	0.8852	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	BARIUM	12.7	J	0.53	17.7038	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	BERYLLIUM	0.34	J	0.027	0.4426	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	BORON	0.95	J	0.75	8.8519	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	CALCIUM	66.8	J	29.3	442.5954	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	CHROMIUM, TOTAL	10.3		0.13	0.8852	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	COBALT	2.8	J	0.24	4.426	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	COPPER	64.5		0.19	2.213	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	IRON	9970		4.8	17.7038	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	LEAD	24.7		0.24	0.8852	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	MAGNESIUM	1380		13.8	442.5954	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	MANGANESE	71.4		0.071	1.3278	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	MOLYBDENUM	0.44	J	0.24	0.8852	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	NICKEL	5		0.19	3.5408	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	POTASSIUM	426	J	46.1	442.5954	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	VANADIUM	15.1		0.22	4.426	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW6010B	ZINC	14.7		1.4	1.7704	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW7471A	MERCURY	0.024	J	0.017	0.0418	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW8330	2,4,6-TRINITROTOLUENE	41		3.6	13	ug/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW8330	2,4-DINITROTOLUENE	21		3.6	13	ug/Kg

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TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW8330	2-AMINO-4,6-DINITROTOLUENE	37		1.4	13	ug/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW8330	4-AMINO-2,6-DINITROTOLUENE	34		2.3	13	ug/Kg
SSJ3E6001	ECC020106J3NDA01 (post)	2/9/2006	SW9012A	CYANIDE	2.2		0.54	0.54	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	ALUMINUM	13100		1.5	18.3861	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	ARSENIC	5.3		0.7	0.9193	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	BARIUM	18.8		0.55	18.3861	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	BERYLLIUM	0.49		0.028	0.4597	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	BORON	2	J	0.78	9.193	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	CALCIUM	79.1	J	30.5	459.6518	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	CHROMIUM, TOTAL	15.9		0.14	0.9193	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	COBALT	3.4	J	0.25	4.5965	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	COPPER	4.7		0.19	2.2983	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	IRON	14200		5	18.3861	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	LEAD	7.8		0.25	0.9193	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	MAGNESIUM	1970		14.4	459.6518	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	MANGANESE	74.9		0.073	1.379	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	MOLYBDENUM	0.5	J	0.25	0.9193	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	NICKEL	6.5		0.19	3.6772	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	POTASSIUM	550		47.9	459.6518	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	SODIUM	82.4	J	54.2	459.6518	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	VANADIUM	22.5		0.23	4.5965	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW6010B	ZINC	18.2		1.5	1.8386	mg/Kg
SSJ3E6001	ECC020106J3NDA01 (pre)	2/8/2006	SW7471A	MERCURY	0.042	J	0.02	0.0488	mg/Kg
SSJ3GPTA01	J3GPTA01_030A	9/15/2008	SW6850	PERCHLORATE	0.2	J	0.075	0.8	ug/Kg
SSJ3GPTA01	J3GPTA01_030AR1	9/15/2008	SW6850	PERCHLORATE	0.15	J	0.075	0.8	ug/Kg
SSJ3GPTA01	J3GPTA01_030AR2	9/15/2008	SW6850	PERCHLORATE	0.15	J	0.075	0.8	ug/Kg
SSJ3GPTA01	J3GPTA01_030B	9/15/2008	SW6850	PERCHLORATE	0.17	J	0.075	0.8	ug/Kg
SSJ3RCTDU1	J3RCTDU1_030A	9/15/2008	SW6850	PERCHLORATE	0.29	J	0.075	0.8	ug/Kg
SSJ3RCTDU1	J3RCTDU1_030B	9/15/2008	SW6850	PERCHLORATE	0.32	J	0.075	0.8	ug/Kg
SSJ3RCTDU2	J3RCTDU2_030A	9/15/2008	SW6850	PERCHLORATE	0.28	J	0.075	0.8	ug/Kg
SSJ3RCTDU2	J3RCTDU2_030B	9/15/2008	SW6850	PERCHLORATE	0.56	J	0.075	0.8	ug/Kg
SSJ3DA01	J3DA01_100A	9/15/2008	SW6850	PERCHLORATE	0.12	J	0.075	0.8	UG/KG
SSJ3DA01	J3DA01_100B	9/15/2008	SW6850	PERCHLORATE	0.091	J	0.075	0.8	UG/KG
SSJ3DA02	J3DA02_030A	9/15/2008	SW6850	PERCHLORATE	0.5	J	0.075	0.8	UG/KG
SSJ3GPTA01	J3GPTA01_030A	9/15/2008	SW6850	PERCHLORATE	0.2	J	0.075	0.8	UG/KG
SSJ3GPTA01	J3GPTA01_030AR1	9/15/2008	SW6850	PERCHLORATE	0.15	J	0.075	0.8	UG/KG
SSJ3GPTA01	J3GPTA01_030AR2	9/15/2008	SW6850	PERCHLORATE	0.15	J	0.075	0.8	UG/KG
SSJ3GPTA01	J3GPTA01_030B	9/15/2008	SW6850	PERCHLORATE	0.17	J	0.075	0.8	UG/KG
SSJ3RCTDU1	J3RCTDU1_030A	9/15/2008	SW6850	PERCHLORATE	0.29	J	0.075	0.8	UG/KG
SSJ3RCTDU1	J3RCTDU1_030B	9/15/2008	SW6850	PERCHLORATE	0.32	J	0.075	0.8	UG/KG
SSJ3RCTDU2	J3RCTDU2_030A	9/15/2008	SW6850	PERCHLORATE	0.28	J	0.075	0.8	UG/KG
SSJ3RCTDU2	J3RCTDU2_030B	9/15/2008	SW6850	PERCHLORATE	0.56	J	0.075	0.8	UG/KG
SSJ3E002	SSJ3E002_PO	11/29/2012	SW6010C	Copper	2.1		0.11	1.2	MG/KG

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-9
J-3 Range Area 3
Artillery Range, Demolition Area and Explosive Storage Bunker, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3E002	SSJ3E002_PO	11/29/2012	SW6010C	Lead	2.2		0.21	0.48	MG/KG
SSJ3E002	SSJ3E002_POA	11/29/2012	SW6010C	Copper	2.5		0.10	1.2	MG/KG
SSJ3E002	SSJ3E002_POA	11/29/2012	SW6010C	Lead	2.6		0.21	0.47	MG/KG
SSJ3E002	SSJ3E002_POB	11/29/2012	SW6010C	Copper	2.7		0.11	1.2	MG/KG
SSJ3E002	SSJ3E002_POB	11/29/2012	SW6010C	Lead	2.0		0.21	0.49	MG/KG

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-10
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Date (ft bgs)	End Sample Date (ft bgs)	Include	Analytical Method	Plan
Ordnance Assembly Area	BH-21	AL578	11/6/2000	SB	0	2	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
Ordnance Assembly Area	BH-21	AL579	11/6/2000	SB	5	7	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
Ordnance Assembly Area	BH-21	AL580	11/6/2000	SB	10	12	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
Ordnance Assembly Area	BH-22	AL581	11/7/2000	SB	0	2	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
Ordnance Assembly Area	BH-22	AL582	11/7/2000	SB	5	7	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
Ordnance Assembly Area	BH-22	AL583	11/7/2000	SB	10	12	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
Ordnance Assembly Area	MW-125	AJ326	9/12/2000	SB	10	12	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
Ordnance Assembly Area	MW-125	AJ328	9/13/2000	SB	20	22	YES	METALS, MISC	JLWP
Ordnance Assembly Area	MW-125	AJ329	9/13/2000	SB	30	32	YES	METALS, MISC	JLWP
Ordnance Assembly Area	MW-125	AJ330	9/13/2000	SB	40	42	YES	METALS, MISC	JLWP
Ordnance Assembly Area	MW-125	AJ331	9/13/2000	SB	50	52	YES	METALS, MISC	JLWP
Ordnance Assembly Area	MW-125	AL197	10/26/2000	SB	0	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
Ordnance Assembly Area	MW-125	AL198	10/26/2000	SB	1.5	2	YES	EXP, METALS, MISC	JLWP
J-3 Presumed M550 Berm Area	SS04627-A	08756	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04627-A	08757	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04627-A	08758	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04627-A	08759	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04627-A	08760	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04627-A	08761	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04627-A	08762	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04627-A	08763	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04627-A	J3.A.T10.002_PE1	9/8/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04627-A	J3.A.T10.002_PE2	9/8/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04627-A	J3.A.T10.002_PE3	9/8/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	08764	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	08765	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	08766	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	08767	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	08768	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	08769	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	08770	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	08771	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	08772	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	J3.A.T10.003_PE1	9/8/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	J3.A.T10.003_PE2	9/8/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04628-A	J3.A.T10.003_PE3	9/8/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	08773	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	08802	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	08803	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	08804	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan

ft bgs = feet below ground surface

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SC = soil composite
SD = soil discrete

TABLE 4-10
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Date (ft bgs)	End Sample Date (ft bgs)	Include	Analytical Method	Plan
J-3 Gauntlet Area	SS04634-A	08805	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	08806	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	08807	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	08808	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	08809	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	J3AT12004_PE1	8/30/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	J3AT12004_PE2	8/30/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Gauntlet Area	SS04634-A	J3AT12004_PE3	8/30/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	08778	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	08779	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	08780	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	08781	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	08782	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	08783	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	08784	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	08785	10/14/2003	BIP_SS	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	J3.A.T6.001_PE1	9/8/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	J3.A.T6.001_PE2	9/8/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Presumed M550 Berm Area	SS04642-A	J3.A.T6.001_PE3	9/8/2006	BIP_PE	0	0.25	YES	METALS	BIP Plan
J-3 Rifle Range Target	SS102FA	AQ269	5/7/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ269	5/7/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ270	5/7/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ270	5/7/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ271	5/7/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ271	5/7/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ272	5/7/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ272	5/7/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ273	5/7/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ273	5/7/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ274	5/7/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ274	5/7/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ275	5/7/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ275	5/7/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ276	5/7/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ276	5/7/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ277	5/7/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ277	5/7/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ278	5/7/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ278	5/7/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ279	5/7/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-10
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Date (ft bgs)	End Sample Date (ft bgs)	Include	Analytical Method	Plan
J-3 Rifle Range Target	SS102FA	AQ279	5/7/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ280	5/7/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ280	5/7/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ281	5/7/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ281	5/7/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ282	5/7/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ282	5/7/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ283	5/7/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ283	5/7/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ284	5/7/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FA	AQ284	5/7/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ303	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ303	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ304	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ304	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ305	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ305	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ306	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ306	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ306	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ306	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ307	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ307	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ308	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ308	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ309	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ309	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ310	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ310	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ311	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ311	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ312	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ312	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ313	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ313	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ314	5/8/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ314	5/8/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ315	5/8/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ315	5/8/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ316	5/8/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ316	5/8/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ317	5/8/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-10
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Date (ft bgs)	End Sample Date (ft bgs)	Include	Analytical Method	Plan
J-3 Rifle Range Target	SS102FB	AQ317	5/8/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ318	5/8/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FB	AQ318	5/8/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ319	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ319	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ320	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ320	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ321	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ321	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ322	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ322	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ323	5/8/2001	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ323	5/8/2001	SD	0	0.25	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ324	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ324	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ325	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ325	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ326	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ326	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ326	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ326	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ327	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ327	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ328	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ328	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ329	5/8/2001	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ329	5/8/2001	SD	0.25	0.5	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ330	5/8/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ330	5/8/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ331	5/8/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ331	5/8/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ332	5/8/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ332	5/8/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ333	5/8/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ333	5/8/2001	SD	0.5	1	YES	VOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ334	5/8/2001	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Rifle Range Target	SS102FC	AQ334	5/8/2001	SD	0.5	1	YES	VOC	JLWP
Ordnance Assembly Area	SS102RA	AL231	10/26/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
Ordnance Assembly Area	SS102RA	AL231	10/26/2000	SD	0	0.25	YES	VOC	JLWP
Ordnance Assembly Area	SS102RA	AL232	10/26/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
Ordnance Assembly Area	SS102RA	AL232	10/26/2000	SD	0.25	0.5	YES	VOC	JLWP
Ordnance Assembly Area	SS102RA	AL233	10/26/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP

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TABLE 4-10
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Date (ft bgs)	End Sample Date (ft bgs)	Include	Analytical Method	Plan
Ordnance Assembly Area	SS102RA	AL233	10/26/2000	SD	0.5	1	YES	VOC	JLWP
Ordnance Assembly Area	SS102S1	AQ225	5/7/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
J-3 Gauntlet Area	SS102TA	AJ925	9/28/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TA	AJ925	9/28/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TA	AJ926	9/28/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TA	AJ926	9/28/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TA	AJ927	9/28/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TA	AJ927	9/28/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TB	AJ928	9/28/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TB	AJ928	9/28/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TB	AJ929	9/28/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TB	AJ929	9/28/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TB	AJ930	9/28/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TB	AJ930	9/28/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TC	AJ931	9/28/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TC	AJ931	9/28/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TC	AJ932	9/28/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TC	AJ932	9/28/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TC	AJ933	9/28/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TC	AJ933	9/28/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TD	AJ934	9/28/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TD	AJ934	9/28/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TD	AJ935	9/28/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TD	AJ935	9/28/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TD	AJ936	9/28/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TD	AJ936	9/28/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TE	AJ937	9/29/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TE	AJ937	9/29/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TE	AJ938	9/29/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TE	AJ938	9/29/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TE	AJ939	9/29/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TE	AJ939	9/29/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TF	AJ940	9/29/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TF	AJ940	9/29/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TF	AJ941	9/29/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TF	AJ941	9/29/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TF	AJ942	9/29/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TF	AJ942	9/29/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TG	AJ943	9/28/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TG	AJ943	9/28/2000	SD	0	0.25	YES	VOC	JLWP

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TABLE 4-10
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Date (ft bgs)	End Sample Date (ft bgs)	Include	Analytical Method	Plan
J-3 Gauntlet Area	SS102TG	AJ944	9/28/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TG	AJ944	9/28/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TG	AJ945	9/28/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TG	AJ945	9/28/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TH	AJ946	9/28/2000	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TH	AJ946	9/28/2000	SD	0	0.25	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TH	AJ947	9/28/2000	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TH	AJ947	9/28/2000	SD	0.25	0.5	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TH	AJ948	9/28/2000	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	JLWP
J-3 Gauntlet Area	SS102TH	AJ948	9/28/2000	SD	0.5	1	YES	VOC	JLWP
J-3 Gauntlet Area	SS102TI	AX580	1/16/2002	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Gauntlet Area	SS102TI	AX580	1/16/2002	SD	0	0.25	YES	VOC	Polygon
J-3 Gauntlet Area	SS102TI	AX581	1/16/2002	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Gauntlet Area	SS102TI	AX581	1/16/2002	SD	0.25	0.5	YES	VOC	Polygon
J-3 Gauntlet Area	SS102TI	AX582	1/16/2002	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Gauntlet Area	SS102TI	AX582	1/16/2002	SD	0.5	1	YES	VOC	Polygon
J-3 Gauntlet Area	SS102TJ	AX583	1/15/2002	SC	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Gauntlet Area	SS102TJ	AX583	1/15/2002	SD	0	0.25	YES	VOC	Polygon
J-3 Gauntlet Area	SS102TJ	AX584	1/15/2002	SC	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Gauntlet Area	SS102TJ	AX584	1/15/2002	SD	0.25	0.5	YES	VOC	Polygon
J-3 Gauntlet Area	SS102TJ	AX585	1/15/2002	SC	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, SVOC	Polygon
J-3 Gauntlet Area	SS102TJ	AX585	1/15/2002	SD	0.5	1	YES	VOC	Polygon
J-3 Presumed M550 Berm Area	SS102XA	AQ121	5/3/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ122	5/3/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ123	5/3/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ124	5/3/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ125	5/3/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ126	5/3/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ127	5/3/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ128	5/3/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ129	5/3/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ130	5/3/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ131	5/3/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ132	5/3/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ133	5/3/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ134	5/3/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ135	5/3/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ136	5/3/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ137	5/3/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ138	5/3/2001	SD	0	0.25	YES	METALS, SVOC	JLWP

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TABLE 4-10
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Date (ft bgs)	End Sample Date (ft bgs)	Include	Analytical Method	Plan
J-3 Presumed M550 Berm Area	SS102XA	AQ139	5/3/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ140	5/3/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ141	5/3/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ142	5/3/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ143	5/3/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ144	5/3/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ145	5/3/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ146	5/3/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ147	5/3/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ148	5/3/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ149	5/3/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ150	5/3/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ151	5/3/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XA	AQ152	5/3/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ170	5/3/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ171	5/3/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ172	5/3/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ173	5/3/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ174	5/3/2001	SD	0	0.25	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ175	5/4/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ176	5/4/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ177	5/4/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ178	5/4/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ179	5/4/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ180	5/4/2001	SD	0.25	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ181	5/4/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ182	5/4/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ183	5/4/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ184	5/4/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ185	5/4/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ186	5/4/2001	SD	0.5	1	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ187	5/3/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ188	5/3/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ189	5/3/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ190	5/3/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ191	5/3/2001	SD	0	0.25	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ192	5/4/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ193	5/4/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ194	5/4/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ195	5/4/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-10
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Date (ft bgs)	End Sample Date (ft bgs)	Include	Analytical Method	Plan
J-3 Presumed M550 Berm Area	SS102XB	AQ196	5/4/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ197	5/4/2001	SD	0.25	0.5	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ198	5/4/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ199	5/4/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ200	5/4/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ201	5/4/2001	SD	0.5	1	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ202	5/4/2001	SD	0.25	1	YES	METALS, SVOC	JLWP
J-3 Presumed M550 Berm Area	SS102XB	AQ203	5/4/2001	SD	0.25	1	YES	METALS, SVOC	JLWP
Ordnance Assembly Area	SS15013-A	102SB-01	10/23/2003	SC	0	0.5	YES	EXP, PERC	J3SWP
Ordnance Assembly Area	SS15013-A	102SB-02	10/23/2003	SC	1.5	2	YES	EXP, PERC	J3SWP
J-3 Presumed M550 Berm Area	SS15053-A	102XC-01	10/27/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Presumed M550 Berm Area	SS15053-A	102XC-02	10/27/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Presumed M550 Berm Area	SS15054-A	102XD-01	10/27/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Presumed M550 Berm Area	SS15054-A	102XD-02	10/27/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Presumed M550 Berm Area	SS15054-A	102XD-02FD	10/27/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Presumed M550 Berm Area	SS15055-A	102XE-01	10/27/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Presumed M550 Berm Area	SS15055-A	102XE-02	10/27/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Presumed M550 Berm Area	SS15056-A	102XF-01	10/27/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Presumed M550 Berm Area	SS15056-A	102XF-02	10/27/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Presumed M550 Berm Area	SS15057-A	102FD-01	10/27/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Presumed M550 Berm Area	SS15057-A	102FD-02	10/27/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
Ordnance Assembly Area	SS15058-A	102S1-01	10/23/2003	SD	0	0.5	YES	PERC	J3SWP
J-3 Gauntlet Area	SS15059-A	102TK-01	10/24/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Gauntlet Area	SS15059-A	102TK-02	10/24/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Gauntlet Area	SS15060-A	102TL-01	10/24/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Gauntlet Area	SS15060-A	102TL-01FD	10/24/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Gauntlet Area	SS15060-A	102TL-02	10/24/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Gauntlet Area	SS15061-A	102TN-01	10/24/2003	SC	0	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Gauntlet Area	SS15061-A	102TN-02	10/24/2003	SC	1.5	2	YES	EXP, METALS, PERC, SVOC	J3SWP
J-3 Gauntlet Area	SS15062-A	102TM-01	10/24/2003	SC	0	0.5	YES	EXP, PERC	J3SWP
J-3 Gauntlet Area	SS15062-A	102TM-02	10/24/2003	SC	1.5	2	YES	EXP, PERC	J3SWP
Ordnance Assembly Area	SS15063-A	102RA-01	10/23/2003	SC	0	0.25	YES	PERC	J3SWP
Ordnance Assembly Area	SS15063-A	102RA-02	10/23/2003	SC	0.5	1	YES	PERC	J3SWP
Ordnance Assembly Area	SS15097-A	ECC091603J302 (post)	9/17/2003	BIP_POST	0	2	YES	EXP, METALS, PERC, SVOC	BIP Plan
Ordnance Assembly Area	SS15097-A	ECC091603J302 (pre)	9/17/2003	BIP_PRE	0	2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
J-3 Gauntlet Area	SS15127-A	ECC111803J3AR01 (post)	11/20/2003	BIP_POST	0	2	NO	EXP, METALS, SVOC	BIP Plan
J-3 Gauntlet Area	SS15127-A	ECC111803J3AR01 (pre)	11/20/2002	BIP_PRE	0	2	NO	PCN	BIP Plan
J-3 Gauntlet Area	SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	BIP_PRE	0	2	NO	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-A-PE1	5/23/2006	BIP_PE	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-A-PE2	5/23/2006	BIP_PE	0	0.2	YES	EXP	BIP Plan

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-10
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Sample Identification and Analysis

Subarea	Location	Sample ID	Date	Sort Type	Start Sample Date (ft bgs)	End Sample Date (ft bgs)	Include	Analytical Method	Plan
J-3 Gauntlet Area	SS15127-A	SS15127-A-PE3	5/23/2006	BIP_PE	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-SS1	4/12/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-SS2	4/12/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-SS3	4/12/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-SS4	4/12/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-SS4 FD	4/12/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-SS5	4/12/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-SS6	4/12/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-SS7	4/12/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15127-A	SS15127-SS8	4/12/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
J-3 Gauntlet Area	SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	BIP_POST	0	2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Gauntlet Area	SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	BIP_POST	0	2	YES	EXP, METALS, PERC, SVOC	BIP Plan
J-3 Gauntlet Area	SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	BIP_PRE	0	2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan

Notes:
JLWP = Final J-1, J-3 and L Range Workplan (Ogden, 2000)
Polygon = Munitions Survey Program (MSP) Phase 3, J-3 Range Site Work Plans [MSP3] (Tetra Tech, 2002a)
J3SWP = Final J-3 Range Supplemental Soil Work Plan (AMEC, 2004)
BIP Plan = Final BIP Sampling and Analysis Plan (AMEC, 2004)

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-11
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	ALUMINUM	10100		3.1	3.1	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	ARSENIC	4.4		0.36	0.36	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	BARIUM	11.9		1.2	1.2	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	BERYLLIUM	0.21		0.03	0.03	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	CADMIUM	0.22		0.051	0.051	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	CALCIUM	109		33	33	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	CHROMIUM, TOTAL	11.5		0.13	0.13	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	COBALT	1.8		0.31	0.31	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	COPPER	21.2		0.2	0.2	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	IRON	11600		3	3	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	LEAD	10.1		0.28	0.28	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	MAGNESIUM	1130		31.2	31.2	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	MANGANESE	53.1		0.1	0.1	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	NICKEL	4.2		0.28	0.28	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	POTASSIUM	447		52.9	52.9	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	SELENIUM	0.33		0.3	0.3	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	SODIUM	234		50.9	50.9	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	VANADIUM	18.4		0.39	0.39	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW6010B	ZINC	13.9		0.2	0.2	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW7471	MERCURY	0.016		0.015	0.015	mg/Kg
SS15127-A	ECC111803J3AR01 (post)	11/20/2003	SW8330	2,4,6-TRINITROTOLUENE	200		1.67	13	ug/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	ALUMINUM	8070		3.1	3.1	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	ARSENIC	3.7		0.36	0.36	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	BARIUM	11.3		1.2	1.2	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	BERYLLIUM	0.24		0.031	0.031	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	CADMIUM	0.19		0.051	0.051	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	CALCIUM	97.1		33.2	33.2	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	CHROMIUM, TOTAL	9.7		0.13	0.13	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	COBALT	1.8		0.32	0.32	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	COPPER	3.1		0.2	0.2	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	IRON	9830		3.1	3.1	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	LEAD	5.1		0.29	0.29	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	MAGNESIUM	1020		31.4	31.4	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	MANGANESE	53.5		0.1	0.1	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	NICKEL	3.7		0.29	0.29	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	POTASSIUM	407		53.3	53.3	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	SODIUM	237		51.3	51.3	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	VANADIUM	14.9		0.39	0.39	mg/Kg
SS15127-A	ECC111803J3AR01 (pre)	11/20/2003	SW6010B	ZINC	14.5		0.2	0.2	mg/Kg

MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-21	AL578	11/6/2000	CL200.7	ALUMINUM (TOTAL)	6270		2.5	5.47	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	ANTIMONY (TOTAL)	0.87		0.462	0.462	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	ARSENIC (TOTAL)	2.5	J	0.481	0.481	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	BARIUM (TOTAL)	11.2		1.18	1.5	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.03	0.0385	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	CADMIUM (TOTAL)	0.11	J	0.0578	0.0578	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	CALCIUM (TOTAL)	225		27.1	27.1	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	CHROMIUM (TOTAL)	7.8		0.135	0.135	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	COBALT (TOTAL)	3.2		0.173	0.173	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	COPPER (TOTAL)	3.7		0.289	0.289	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	IRON (TOTAL)	7840		4.21	4.5	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	LEAD (TOTAL)	5.2		0.308	0.308	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	MAGNESIUM (TOTAL)	1110		24.4	24.4	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	MANGANESE (TOTAL)	86.5		0.08	0.135	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	MOLYBDENUM (TOTAL)	0.54		0.25	0.25	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	NICKEL (TOTAL)	4.2		0.25	0.25	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	POTASSIUM (TOTAL)	558		46.1	46.1	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	VANADIUM (TOTAL)	11.8		0.231	0.231	mg/Kg
BH-21	AL578	11/6/2000	CL200.7	ZINC (TOTAL)	18.7		0.154	0.154	mg/Kg
BH-21	AL578	11/6/2000	CVOL	ACETONE	33	J	4.34	11	ug/Kg
BH-21	AL578	11/6/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	11	ug/Kg
BH-21	AL578	11/6/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.8		0.02	0.02	mg/Kg
BH-21	AL578	11/6/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.09		0.01	0.01	mg/Kg
BH-21	AL578	11/6/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92.3		0.01	0.01	mg/Kg
BH-21	AL578	11/6/2000	LYDKHN	TOTAL ORGANIC CARBON	4490		0	0	mg/Kg
BH-21	AL578	11/6/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	50	J	50	370	ug/Kg
BH-21	AL579	11/6/2000	CL200.7	ALUMINUM (TOTAL)	1310		2.5	5.83	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	ARSENIC (TOTAL)	1.6		0.513	0.513	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	BARIUM (TOTAL)	4.6		1.18	1.6	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.03	0.041	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	CADMIUM (TOTAL)	0.07	J	0.0616	0.0616	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	CALCIUM (TOTAL)	34.4	J	28.9	28.9	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	CHROMIUM (TOTAL)	3.2		0.14	0.144	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	COBALT (TOTAL)	1.2		0.185	0.185	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	COPPER (TOTAL)	2.7		0.308	0.308	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	IRON (TOTAL)	3460		4.21	4.8	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	LEAD (TOTAL)	2.1		0.32	0.328	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	MAGNESIUM (TOTAL)	355		26	26	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	MANGANESE (TOTAL)	53		0.08	0.144	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	NICKEL (TOTAL)	2		0.267	0.267	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	POTASSIUM (TOTAL)	214		47.2	49.1	mg/Kg
BH-21	AL579	11/6/2000	CL200.7	VANADIUM (TOTAL)	5.8		0.246	0.246	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-21	AL579	11/6/2000	CL200.7	ZINC (TOTAL)	5.5		0.164	0.164	mg/Kg
BH-21	AL579	11/6/2000	CVOL	ACETONE	7	J	4.34	7	ug/Kg
BH-21	AL579	11/6/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.2		0.02	0.02	mg/Kg
BH-21	AL579	11/6/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.01	0.01	mg/Kg
BH-21	AL579	11/6/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	57.1		0.01	0.01	mg/Kg
BH-21	AL579	11/6/2000	LYDKHN	TOTAL ORGANIC CARBON	1200		0	0	mg/Kg
BH-21	AL579	11/6/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	340	ug/Kg
BH-21	AL580	11/6/2000	CL200.7	ALUMINUM (TOTAL)	1390		2.5	5.19	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	ARSENIC (TOTAL)	1.4		0.457	0.457	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	BARIUM (TOTAL)	4.9		1.18	1.43	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	BERYLLIUM (TOTAL)	0.12		0.03	0.0366	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	CADMIUM (TOTAL)	0.08	J	0.0549	0.0549	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	CALCIUM (TOTAL)	53.5		25.8	25.8	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	CHROMIUM (TOTAL)	3.1		0.128	0.128	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	COBALT (TOTAL)	0.99		0.165	0.165	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	COPPER (TOTAL)	3.4		0.274	0.274	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	IRON (TOTAL)	3250		4.21	4.28	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	LEAD (TOTAL)	1.9		0.293	0.293	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	MAGNESIUM (TOTAL)	375		23.2	23.2	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	MANGANESE (TOTAL)	36.2		0.08	0.128	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	NICKEL (TOTAL)	2.3		0.238	0.238	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	POTASSIUM (TOTAL)	188		43.8	43.8	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	SILVER (TOTAL)	0.98	J	0.17	0.201	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	VANADIUM (TOTAL)	5.1		0.219	0.219	mg/Kg
BH-21	AL580	11/6/2000	CL200.7	ZINC (TOTAL)	5.9		0.146	0.146	mg/Kg
BH-21	AL580	11/6/2000	CVOL	ACETONE	8	J	4.34	7	ug/Kg
BH-21	AL580	11/6/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
BH-21	AL580	11/6/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73.9		0.01	0.01	mg/Kg
BH-21	AL580	11/6/2000	LYDKHN	TOTAL ORGANIC CARBON	881		0	0	mg/Kg
BH-21	AL580	11/6/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	79	J	79	350	ug/Kg
BH-22	AL581	11/7/2000	CL200.7	ALUMINUM (TOTAL)	7300		2.5	5.7	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	ARSENIC (TOTAL)	2.7		0.502	0.502	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	BARIUM (TOTAL)	12		1.18	1.57	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	BERYLLIUM (TOTAL)	0.26		0.03	0.0401	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	CADMIUM (TOTAL)	0.09	J	0.0602	0.0602	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	CALCIUM (TOTAL)	72.4		28.3	28.3	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	CHROMIUM (TOTAL)	8.6		0.14	0.141	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	COBALT (TOTAL)	2.9		0.181	0.181	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	COPPER (TOTAL)	3.9		0.301	0.301	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	IRON (TOTAL)	9100		4.21	4.7	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	LEAD (TOTAL)	5.3		0.32	0.321	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	MAGNESIUM (TOTAL)	1090		25.4	25.4	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-22	AL581	11/7/2000	CL200.7	MANGANESE (TOTAL)	69.3		0.08	0.141	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	NICKEL (TOTAL)	4.7		0.261	0.261	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	POTASSIUM (TOTAL)	432		47.2	48	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	VANADIUM (TOTAL)	13.3		0.241	0.241	mg/Kg
BH-22	AL581	11/7/2000	CL200.7	ZINC (TOTAL)	13.3		0.161	0.161	mg/Kg
BH-22	AL581	11/7/2000	CVOL	ACETONE	22	J	4.34	11	ug/Kg
BH-22	AL581	11/7/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.5		0.02	0.02	mg/Kg
BH-22	AL581	11/7/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg
BH-22	AL581	11/7/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	115		0.01	0.01	mg/Kg
BH-22	AL581	11/7/2000	LYDKHN	TOTAL ORGANIC CARBON	1020		0	0	mg/Kg
BH-22	AL581	11/7/2000	SW8151A	ACIFLUORFEN	6.6	NJ	1.4	5.3	ug/Kg
BH-22	AL582	11/7/2000	CL200.7	ALUMINUM (TOTAL)	1500		2.5	5.33	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	ARSENIC (TOTAL)	0.61	J	0.469	0.469	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	BARIUM (TOTAL)	4.2		1.18	1.46	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	BERYLLIUM (TOTAL)	0.13		0.03	0.0375	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	CALCIUM (TOTAL)	86.9		26.4	26.4	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	CHROMIUM (TOTAL)	2.2	J	0.131	0.131	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	COBALT (TOTAL)	1.2		0.169	0.169	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	COPPER (TOTAL)	1.9		0.282	0.282	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	IRON (TOTAL)	2920		4.21	4.39	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	LEAD (TOTAL)	2.2		0.3	0.3	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	MAGNESIUM (TOTAL)	381		23.8	23.8	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	MANGANESE (TOTAL)	86.1		0.08	0.131	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	NICKEL (TOTAL)	1.8	J	0.244	0.244	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	POTASSIUM (TOTAL)	164		44.9	44.9	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	VANADIUM (TOTAL)	4.1		0.225	0.225	mg/Kg
BH-22	AL582	11/7/2000	CL200.7	ZINC (TOTAL)	6.4		0.15	0.15	mg/Kg
BH-22	AL582	11/7/2000	CVOL	ACETONE	5	J	4.34	8	ug/Kg
BH-22	AL582	11/7/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.07		0.01	0.01	mg/Kg
BH-22	AL582	11/7/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	49.8		0.01	0.01	mg/Kg
BH-22	AL582	11/7/2000	LYDKHN	TOTAL ORGANIC CARBON	564		0	0	mg/Kg
BH-22	AL582	11/7/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	46	J	46	340	ug/Kg
BH-22	AL583	11/7/2000	CL200.7	ALUMINUM (TOTAL)	2700		2.5	5.61	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	ARSENIC (TOTAL)	1.3		0.494	0.494	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	BARIUM (TOTAL)	5.6		1.18	1.54	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	BERYLLIUM (TOTAL)	0.16		0.03	0.0395	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	CADMIUM (TOTAL)	0.12		0.0592	0.0592	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	CALCIUM (TOTAL)	122		27.8	27.8	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	CHROMIUM (TOTAL)	7.1		0.138	0.138	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	COBALT (TOTAL)	2		0.178	0.178	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	COPPER (TOTAL)	3.3		0.296	0.296	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	IRON (TOTAL)	5660		4.21	4.62	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
BH-22	AL583	11/7/2000	CL200.7	LEAD (TOTAL)	2.3		0.316	0.316	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	MAGNESIUM (TOTAL)	959		25	25	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	MANGANESE (TOTAL)	102		0.08	0.138	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	NICKEL (TOTAL)	6		0.257	0.257	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	POTASSIUM (TOTAL)	241		47.2	47.2	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	VANADIUM (TOTAL)	7.3		0.237	0.237	mg/Kg
BH-22	AL583	11/7/2000	CL200.7	ZINC (TOTAL)	11.6		0.158	0.158	mg/Kg
BH-22	AL583	11/7/2000	CVOL	ACETONE	7	J	4.34	7	ug/Kg
BH-22	AL583	11/7/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	70.8		0.01	0.01	mg/Kg
BH-22	AL583	11/7/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	57	J	57	340	ug/Kg
MW-125	AJ326	9/12/2000	CL200.7	ALUMINUM (TOTAL)	2110		2.5	3.48	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	ARSENIC (TOTAL)	1.1	J	0.75	0.913	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	BARIUM (TOTAL)	9.3		1.18	2.2	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	BERYLLIUM (TOTAL)	0.19		0.03	0.0517	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	CALCIUM (TOTAL)	224		29	56.5	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	CHROMIUM (TOTAL)	3.6		0.14	0.293	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	COBALT (TOTAL)	1.7		0.26	0.689	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	COPPER (TOTAL)	5.1		0.327	0.327	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	IRON (TOTAL)	4350		4.21	4.49	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	LEAD (TOTAL)	4.2		0.293	0.293	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	MAGNESIUM (TOTAL)	706		28.1	59.9	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	MANGANESE (TOTAL)	142		0.08	0.0861	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	MOLYBDENUM (TOTAL)	1.4	J	0.49	0.517	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	NICKEL (TOTAL)	3.5		0.3	0.809	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	POTASSIUM (TOTAL)	400		47.2	101	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	VANADIUM (TOTAL)	4.6		0.36	0.379	mg/Kg
MW-125	AJ326	9/12/2000	CL200.7	ZINC (TOTAL)	19.4		0.29	1.02	mg/Kg
MW-125	AJ326	9/12/2000	CVOL	ACETONE	20	J	4.34	8	ug/Kg
MW-125	AJ326	9/12/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	8	ug/Kg
MW-125	AJ326	9/12/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	0.02	0.02	mg/Kg
MW-125	AJ326	9/12/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.8		0.01	0.01	mg/Kg
MW-125	AJ326	9/12/2000	LYDKHN	TOTAL ORGANIC CARBON	379	J	0	0	mg/Kg
MW-125	AJ326	9/12/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32	J	32	340	ug/Kg
MW-125	AJ328	9/13/2000	CL200.7	ALUMINUM (TOTAL)	529		2.5	3.49	mg/Kg
MW-125	AJ328	9/13/2000	CL200.7	ARSENIC (TOTAL)	1.1	J	0.75	0.916	mg/Kg
MW-125	AJ328	9/13/2000	CL200.7	BERYLLIUM (TOTAL)	0.07	J	0.03	0.0519	mg/Kg
MW-125	AJ328	9/13/2000	CL200.7	CHROMIUM (TOTAL)	1.3		0.14	0.294	mg/Kg
MW-125	AJ328	9/13/2000	CL200.7	IRON (TOTAL)	1870		4.21	4.51	mg/Kg
MW-125	AJ328	9/13/2000	CL200.7	MAGNESIUM (TOTAL)	110	J	28.1	60.1	mg/Kg
MW-125	AJ328	9/13/2000	CL200.7	MANGANESE (TOTAL)	8.7		0.08	0.0864	mg/Kg
MW-125	AJ328	9/13/2000	CL200.7	VANADIUM (TOTAL)	3.2		0.36	0.38	mg/Kg
MW-125	AJ328	9/13/2000	CL200.7	ZINC (TOTAL)	2.6		0.29	1.02	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-125	AJ328	9/13/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.6	J	0.02	0.02	mg/Kg
MW-125	AJ328	9/13/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.01	0.01	mg/Kg
MW-125	AJ328	9/13/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	52.6		0.01	0.01	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	ALUMINUM (TOTAL)	883		2.5	4.03	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	ARSENIC (TOTAL)	1.1	J	0.75	1.06	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	BARIUM (TOTAL)	2.6	J	1.18	2.55	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	BERYLLIUM (TOTAL)	0.1	J	0.03	0.0598	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	CHROMIUM (TOTAL)	2.1		0.14	0.339	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	IRON (TOTAL)	3060		4.21	5.2	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	MAGNESIUM (TOTAL)	189		28.1	69.3	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	MANGANESE (TOTAL)	16.9		0.08	0.0996	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	POTASSIUM (TOTAL)	188	J	47.2	117	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	VANADIUM (TOTAL)	4.8		0.36	0.438	mg/Kg
MW-125	AJ329	9/13/2000	CL200.7	ZINC (TOTAL)	4		0.29	1.18	mg/Kg
MW-125	AJ329	9/13/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.9	J	0.02	0.02	mg/Kg
MW-125	AJ329	9/13/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.07		0.01	0.01	mg/Kg
MW-125	AJ329	9/13/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	188		0.01	0.01	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	ALUMINUM (TOTAL)	827		2.5	3.1	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	BARIUM (TOTAL)	3.6	J	1.18	1.97	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	BERYLLIUM (TOTAL)	0.05	J	0.03	0.0461	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	CALCIUM (TOTAL)	58.2	J	29	50.4	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	CHROMIUM (TOTAL)	1.3		0.14	0.261	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	IRON (TOTAL)	1820		4.01	4.01	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	MAGNESIUM (TOTAL)	240		28.1	53.4	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	MANGANESE (TOTAL)	20.8		0.0768	0.0768	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	NICKEL (TOTAL)	1.1	J	0.3	0.722	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	POTASSIUM (TOTAL)	137	J	47.2	90.1	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	VANADIUM (TOTAL)	0.67	J	0.338	0.338	mg/Kg
MW-125	AJ330	9/13/2000	CL200.7	ZINC (TOTAL)	4.1		0.29	0.906	mg/Kg
MW-125	AJ330	9/13/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.5	J	0.02	0.02	mg/Kg
MW-125	AJ330	9/13/2000	E353.2	NITROGEN, NITRATE-NITRITE	1.7		0.01	0.01	mg/Kg
MW-125	AJ330	9/13/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	67.5		0.01	0.01	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	ALUMINUM (TOTAL)	801		2.5	3.46	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	ARSENIC (TOTAL)	1.1	J	0.75	0.907	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	BARIUM (TOTAL)	2.7	J	1.18	2.19	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	CALCIUM (TOTAL)	81.5	J	29	56.1	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	CHROMIUM (TOTAL)	1.5		0.14	0.291	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	IRON (TOTAL)	1960		4.21	4.47	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	MAGNESIUM (TOTAL)	288		28.1	59.5	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	MANGANESE (TOTAL)	26.1		0.08	0.0856	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	NICKEL (TOTAL)	0.94	J	0.3	0.804	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	POTASSIUM (TOTAL)	126	J	47.2	100	mg/Kg

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MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-125	AJ331	9/13/2000	CL200.7	VANADIUM (TOTAL)	2.9		0.36	0.377	mg/Kg
MW-125	AJ331	9/13/2000	CL200.7	ZINC (TOTAL)	4.4		0.29	1.01	mg/Kg
MW-125	AJ331	9/13/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.9	J	0.02	0.02	mg/Kg
MW-125	AJ331	9/13/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.33		0.01	0.01	mg/Kg
MW-125	AJ331	9/13/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	55.9		0.01	0.01	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	ALUMINUM (TOTAL)	9870		2.5	6.39	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	ARSENIC (TOTAL)	3.3	J	0.75	2.03	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	BARIUM (TOTAL)	10.9		0.675	0.675	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.25		0.03	0.045	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	CALCIUM (TOTAL)	119		29	31.7	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	CHROMIUM (TOTAL)	9		0.113	0.113	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	COBALT (TOTAL)	1.7		0.203	0.203	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	IRON (TOTAL)	11500		4.21	5.27	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	LEAD (TOTAL)	7	J	0.32	0.36	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	597		28.1	28.5	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	MANGANESE (TOTAL)	38.8	J	0.08	0.135	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	MOLYBDENUM (TOTAL)	0.72		0.293	0.293	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	NICKEL (TOTAL)	3.9		0.3	0.383	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	POTASSIUM (TOTAL)	316		47.2	53.8	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	THALLIUM (TOTAL)	0.48	J	0.428	0.428	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	VANADIUM (TOTAL)	15.9		0.36	0.383	mg/Kg
MW-125	AL197	10/26/2000	CL200.7	ZINC (TOTAL)	15.9		0.18	0.18	mg/Kg
MW-125	AL197	10/26/2000	CVOL	ACETONE	250	J	4.34	8	ug/Kg
MW-125	AL197	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	27	J	1.8	8	ug/Kg
MW-125	AL197	10/26/2000	CVOL	TOLUENE	3	J	0.32	8	ug/Kg
MW-125	AL197	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.9	J	0.02	0.02	mg/Kg
MW-125	AL197	10/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.09		0.01	0.01	mg/Kg
MW-125	AL197	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	141	J	0.01	0.01	mg/Kg
MW-125	AL197	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	24100	J	0	0	mg/Kg
MW-125	AL197	10/26/2000	SW8151A	MCPP	56000	NJ	1365	10000	ug/Kg
MW-125	AL197	10/26/2000	SW8151A	PICLORAM	12	J	2.9	5.7	ug/Kg
MW-125	AL197	10/26/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	9.6	J	9.6	200	ug/Kg
MW-125	AL198	10/26/2000	CL200.7	ALUMINUM (TOTAL)	5610		2.5	4.43	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	ANTIMONY (TOTAL)	0.57	J	0.375	0.375	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	ARSENIC (TOTAL)	3	J	0.75	1.4	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	BARIUM (TOTAL)	7.4		0.468	0.468	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.23		0.03	0.0312	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	CALCIUM (TOTAL)	76.2		22	22	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	CHROMIUM (TOTAL)	7.5		0.078	0.078	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	COBALT (TOTAL)	4.2		0.141	0.141	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	COPPER (TOTAL)	4		0.203	0.203	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	IRON (TOTAL)	8640		3.65	3.65	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-125	AL198	10/26/2000	CL200.7	LEAD (TOTAL)	4.4	J	0.25	0.25	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	1100		19.8	19.8	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	MANGANESE (TOTAL)	86.2	J	0.08	0.0936	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	MOLYBDENUM (TOTAL)	0.83		0.203	0.203	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	NICKEL (TOTAL)	4.5		0.265	0.265	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	POTASSIUM (TOTAL)	446		37.3	37.3	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	THALLIUM (TOTAL)	0.32	J	0.297	0.297	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	VANADIUM (TOTAL)	10.6		0.265	0.265	mg/Kg
MW-125	AL198	10/26/2000	CL200.7	ZINC (TOTAL)	12.6		0.125	0.125	mg/Kg
MW-125	AL198	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.3	J	0.02	0.02	mg/Kg
MW-125	AL198	10/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg
MW-125	AL198	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	71.2	J	0.01	0.01	mg/Kg
MW-125	AL198	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	4770	J	0	0	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	ALUMINUM (TOTAL)	13700		6	6.6	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	ARSENIC (TOTAL)	5.3		0.75	0.75	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	BARIUM (TOTAL)	29.3	J	2.5	2.5	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	BORON (TOTAL)	2.1	J	1.4	1.4	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	CALCIUM (TOTAL)	310		69.5	69.5	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	CHROMIUM (TOTAL)	14.7		0.28	0.28	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	COBALT (TOTAL)	2.3		0.66	0.66	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	COPPER (TOTAL)	6.3		0.43	0.43	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	IRON (TOTAL)	14000		6.4	6.4	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	LEAD (TOTAL)	11.2	J	0.3	0.3	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1290		65.7	65.7	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	MANGANESE (TOTAL)	71.6		0.21	0.21	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.76		0.26	0.26	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	NICKEL (TOTAL)	6.4		0.6	0.6	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	POTASSIUM (TOTAL)	383	J	112	112	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	SELENIUM (TOTAL)	1.4		0.77	0.77	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	SODIUM (TOTAL)	323		107	107	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	VANADIUM (TOTAL)	23.2		0.81	0.81	mg/Kg
SS04627-A	08756	10/14/2003	CL200.7	ZINC (TOTAL)	24.1	J	0.43	0.43	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	ALUMINUM (TOTAL)	19000		6	7.1	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	ARSENIC (TOTAL)	6.5		0.82	0.82	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	BARIUM (TOTAL)	27.8	J	2.7	2.7	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.47		0.07	0.07	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	BORON (TOTAL)	2.5	J	1.5	1.5	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	CALCIUM (TOTAL)	123	J	75.6	75.6	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	CHROMIUM (TOTAL)	21.9		0.3	0.3	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	COBALT (TOTAL)	4		0.72	0.72	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	COPPER (TOTAL)	9.6		0.47	0.47	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	IRON (TOTAL)	19700		7	7	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04627-A	08757	10/14/2003	CL200.7	LEAD (TOTAL)	14.3	J	0.3	0.33	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	2340		71.5	71.5	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	MANGANESE (TOTAL)	96.1		0.23	0.23	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.55	J	0.28	0.28	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	NICKEL (TOTAL)	9.7		0.65	0.65	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	POTASSIUM (TOTAL)	701		121	121	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	SELENIUM (TOTAL)	1.2		0.84	0.84	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	SODIUM (TOTAL)	494		117	117	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	VANADIUM (TOTAL)	32.4		0.88	0.88	mg/Kg
SS04627-A	08757	10/14/2003	CL200.7	ZINC (TOTAL)	24.8	J	0.47	0.47	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	ALUMINUM (TOTAL)	16800		6	7.4	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	ARSENIC (TOTAL)	5.6		0.85	0.85	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	BARIUM (TOTAL)	21.4	J	2.8	2.8	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.39		0.07	0.07	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	BORON (TOTAL)	2.4	J	1.5	1.5	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	CALCIUM (TOTAL)	112	J	78.5	78.5	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	CHROMIUM (TOTAL)	18.6		0.31	0.31	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	COBALT (TOTAL)	3.3		0.75	0.75	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	COPPER (TOTAL)	8.2		0.48	0.48	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	IRON (TOTAL)	17600		7.2	7.2	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	LEAD (TOTAL)	12.8	J	0.3	0.34	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1770		74.2	74.2	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	MANGANESE (TOTAL)	73.9		0.24	0.24	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.66		0.29	0.29	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	NICKEL (TOTAL)	8.3		0.68	0.68	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	POTASSIUM (TOTAL)	621		126	126	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	SELENIUM (TOTAL)	1.5		0.87	0.87	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	SODIUM (TOTAL)	450		121	121	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	VANADIUM (TOTAL)	28.1		0.92	0.92	mg/Kg
SS04627-A	08758	10/14/2003	CL200.7	ZINC (TOTAL)	38.7		0.48	0.48	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	ALUMINUM (TOTAL)	18900		6	6.5	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	ARSENIC (TOTAL)	7.4		0.74	0.74	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	BARIUM (TOTAL)	17.9	J	2.5	2.5	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.35		0.06	0.06	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	BORON (TOTAL)	2.2	J	1.3	1.3	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	CALCIUM (TOTAL)	101	J	68.4	68.4	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	CHROMIUM (TOTAL)	21.4		0.27	0.27	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	COBALT (TOTAL)	3.7		0.65	0.65	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	COPPER (TOTAL)	6.7		0.42	0.42	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	IRON (TOTAL)	19400		6.3	6.3	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	LEAD (TOTAL)	14.8	J	0.29	0.29	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	2140		64.7	64.7	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04627-A	08759	10/14/2003	CL200.7	MANGANESE (TOTAL)	86.8		0.21	0.21	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.72		0.25	0.25	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	NICKEL (TOTAL)	9.5		0.59	0.59	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	POTASSIUM (TOTAL)	652		110	110	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	SELENIUM (TOTAL)	1.1		0.76	0.76	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	SODIUM (TOTAL)	495		106	106	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	VANADIUM (TOTAL)	42.7		0.8	0.8	mg/Kg
SS04627-A	08759	10/14/2003	CL200.7	ZINC (TOTAL)	23.6	J	0.42	0.42	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	ALUMINUM (TOTAL)	15700		6	6.8	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	ARSENIC (TOTAL)	6		0.77	0.77	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	BARIUM (TOTAL)	50.3	J	2.6	2.6	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	BORON (TOTAL)	2.8	J	1.4	1.4	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	CALCIUM (TOTAL)	176	J	71.6	71.6	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	CHROMIUM (TOTAL)	17.5		0.29	0.29	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	COBALT (TOTAL)	2.8		0.68	0.68	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	COPPER (TOTAL)	6.8		0.44	0.44	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	IRON (TOTAL)	16800		6.6	6.6	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	LEAD (TOTAL)	14.1	J	0.3	0.31	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1540		67.8	67.8	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	MANGANESE (TOTAL)	66.7		0.22	0.22	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.77		0.26	0.26	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	NICKEL (TOTAL)	7.7		0.62	0.62	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	POTASSIUM (TOTAL)	543		115	115	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	SELENIUM (TOTAL)	1.4		0.79	0.79	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	SODIUM (TOTAL)	422		111	111	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	VANADIUM (TOTAL)	33.4		0.84	0.84	mg/Kg
SS04627-A	08760	10/14/2003	CL200.7	ZINC (TOTAL)	21	J	0.44	0.44	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	ALUMINUM (TOTAL)	11300		6	6.7	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	ARSENIC (TOTAL)	4.3		0.76	0.76	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	BARIUM (TOTAL)	14.3	J	2.6	2.6	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	CALCIUM (TOTAL)	75.4	J	70.9	70.9	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	CHROMIUM (TOTAL)	18.4		0.28	0.28	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	COBALT (TOTAL)	2.3		0.68	0.68	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	COPPER (TOTAL)	5.6		0.44	0.44	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	IRON (TOTAL)	13900		6.5	6.5	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	LEAD (TOTAL)	8.2	J	0.3	0.31	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1230		67	67	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	MANGANESE (TOTAL)	56.9		0.22	0.22	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.98		0.26	0.26	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	NICKEL (TOTAL)	6.1		0.61	0.61	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	POTASSIUM (TOTAL)	483		114	114	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	SELENIUM (TOTAL)	0.9	J	0.79	0.79	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04627-A	08761	10/14/2003	CL200.7	SODIUM (TOTAL)	299		110	110	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	VANADIUM (TOTAL)	20.8		0.83	0.83	mg/Kg
SS04627-A	08761	10/14/2003	CL200.7	ZINC (TOTAL)	13.4	J	0.44	0.44	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	ALUMINUM (TOTAL)	19400		6	6.1	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	ARSENIC (TOTAL)	6.8		0.7	0.7	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	BARIUM (TOTAL)	20.5	J	2.3	2.3	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.34		0.06	0.06	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	BORON (TOTAL)	2.1	J	1.3	1.3	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	CALCIUM (TOTAL)	106	J	64.7	64.7	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	CHROMIUM (TOTAL)	22.2		0.26	0.26	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	COBALT (TOTAL)	4.3		0.62	0.62	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	COPPER (TOTAL)	5.3		0.4	0.4	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	IRON (TOTAL)	18900		6	6	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	LEAD (TOTAL)	9.7	J	0.28	0.28	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	2360		61.2	61.2	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	MANGANESE (TOTAL)	95.6		0.2	0.2	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.55		0.24	0.24	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	NICKEL (TOTAL)	10.3		0.56	0.56	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	POTASSIUM (TOTAL)	742		104	104	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	SELENIUM (TOTAL)	0.88	J	0.72	0.72	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	SODIUM (TOTAL)	451		100	100	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	VANADIUM (TOTAL)	28.1		0.76	0.76	mg/Kg
SS04627-A	08762	10/14/2003	CL200.7	ZINC (TOTAL)	22.6	J	0.4	0.4	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	ALUMINUM (TOTAL)	14500		6	6	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	ARSENIC (TOTAL)	6.2		0.69	0.69	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	BARIUM (TOTAL)	16.4	J	2.3	2.3	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	BORON (TOTAL)	2.3	J	1.3	1.3	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	CALCIUM (TOTAL)	117	J	63.7	63.7	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	CHROMIUM (TOTAL)	17.6		0.25	0.25	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	COBALT (TOTAL)	3.9		0.61	0.61	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	COPPER (TOTAL)	6.8		0.39	0.39	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	IRON (TOTAL)	16000		5.9	5.9	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	LEAD (TOTAL)	10	J	0.27	0.27	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	2290		60.2	60.2	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	MANGANESE (TOTAL)	96.9		0.2	0.2	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.27	J	0.24	0.24	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	NICKEL (TOTAL)	8.8		0.55	0.55	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	POTASSIUM (TOTAL)	779		102	102	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	SELENIUM (TOTAL)	1.2		0.59	0.59	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	SODIUM (TOTAL)	431		98.4	98.4	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	VANADIUM (TOTAL)	26.5		0.75	0.75	mg/Kg
SS04627-A	08763	10/14/2003	CL200.7	ZINC (TOTAL)	22.1	J	0.39	0.39	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04627-A	J3.A.T10.002_PE1	9/8/2006	SW6010B	BERYLLIUM	0.23	J	0.026	0.4292	mg/Kg
SS04627-A	J3.A.T10.002_PE2	9/8/2006	SW6010B	BERYLLIUM	0.26	J	0.025	0.419	mg/Kg
SS04627-A	J3.A.T10.002_PE3	9/8/2006	SW6010B	BERYLLIUM	0.17	J	0.023	0.3818	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	ALUMINUM (TOTAL)	16900		6	7.6	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	ARSENIC (TOTAL)	5.8		0.86	0.86	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	BARIUM (TOTAL)	15.6		2.9	2.9	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	BORON (TOTAL)	3.9	J	1.6	1.6	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	CHROMIUM (TOTAL)	19.8		0.32	0.32	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	COBALT (TOTAL)	2.9		0.76	0.76	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	COPPER (TOTAL)	4.2		0.49	0.49	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	IRON (TOTAL)	16500		7.4	7.4	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	LEAD (TOTAL)	10.5		0.3	0.69	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1790		74.1	74.1	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	MANGANESE (TOTAL)	80.2		0.25	0.25	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	NICKEL (TOTAL)	8.2		0.69	0.69	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	POTASSIUM (TOTAL)	642		128	128	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	SODIUM (TOTAL)	419		124	124	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	VANADIUM (TOTAL)	30.9		0.94	0.94	mg/Kg
SS04628-A	08764	10/14/2003	CL200.7	ZINC (TOTAL)	20	J	0.49	0.49	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	ALUMINUM (TOTAL)	17900		6	6.8	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	ARSENIC (TOTAL)	7.3		0.77	0.77	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	BARIUM (TOTAL)	20.2		2.6	2.6	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	BORON (TOTAL)	3.3	J	1.4	1.4	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	CHROMIUM (TOTAL)	20.2		0.29	0.29	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	COBALT (TOTAL)	3.1		0.69	0.69	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	COPPER (TOTAL)	6.2		0.44	0.44	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	IRON (TOTAL)	19800		6.6	6.6	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	LEAD (TOTAL)	13.1		0.3	0.62	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1740		66.5	66.5	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	MANGANESE (TOTAL)	82.9		0.22	0.22	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	NICKEL (TOTAL)	8.3		0.62	0.62	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	POTASSIUM (TOTAL)	613		115	115	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	SODIUM (TOTAL)	427		111	111	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	VANADIUM (TOTAL)	36.6		0.84	0.84	mg/Kg
SS04628-A	08765	10/14/2003	CL200.7	ZINC (TOTAL)	19.7	J	0.44	0.44	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	ALUMINUM (TOTAL)	23100		6	7.3	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	ARSENIC (TOTAL)	8.8		0.84	0.84	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	BARIUM (TOTAL)	27.5		2.8	2.8	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.58		0.07	0.07	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	BORON (TOTAL)	3.8	J	1.5	1.5	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	CADMIUM (TOTAL)	0.19	J	0.1	0.12	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	CALCIUM (TOTAL)	148		77.7	77.7	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04628-A	08766	10/14/2003	CL200.7	CHROMIUM (TOTAL)	25.4		0.31	0.31	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	COBALT (TOTAL)	4.1		0.74	0.74	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	COPPER (TOTAL)	7.9		0.48	0.48	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	IRON (TOTAL)	24600		7.2	7.2	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	LEAD (TOTAL)	16.8		0.3	0.67	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	2440		72	72	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	MANGANESE (TOTAL)	102		0.24	0.24	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	NICKEL (TOTAL)	10.6		0.67	0.67	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	POTASSIUM (TOTAL)	619		125	125	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	SODIUM (TOTAL)	449		120	120	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	VANADIUM (TOTAL)	39.4		0.91	0.91	mg/Kg
SS04628-A	08766	10/14/2003	CL200.7	ZINC (TOTAL)	25.5	J	0.48	0.48	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	ALUMINUM (TOTAL)	18200		6	6.9	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	ARSENIC (TOTAL)	6.8		0.78	0.78	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	BARIUM (TOTAL)	18.9		2.6	2.6	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	BORON (TOTAL)	4.1	J	1.4	1.4	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	CADMIUM (TOTAL)	0.12	J	0.1	0.11	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	CHROMIUM (TOTAL)	21.3		0.29	0.29	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	COBALT (TOTAL)	3.3		0.69	0.69	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	COPPER (TOTAL)	4.8		0.45	0.45	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	IRON (TOTAL)	17400		6.7	6.7	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	LEAD (TOTAL)	11.8		0.3	0.62	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	2050		67.1	67.1	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	MANGANESE (TOTAL)	87.2		0.22	0.22	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	NICKEL (TOTAL)	9		0.62	0.62	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	POTASSIUM (TOTAL)	615		116	116	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	SODIUM (TOTAL)	381		112	112	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	VANADIUM (TOTAL)	33		0.85	0.85	mg/Kg
SS04628-A	08767	10/14/2003	CL200.7	ZINC (TOTAL)	21.1	J	0.45	0.45	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	ALUMINUM (TOTAL)	13900		6	7.1	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	ARSENIC (TOTAL)	5.9		0.81	0.81	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	BARIUM (TOTAL)	18.4		2.7	2.7	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.51		0.07	0.07	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	BORON (TOTAL)	2.8	J	1.5	1.5	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	CHROMIUM (TOTAL)	15.5		0.3	0.3	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	COBALT (TOTAL)	1.8		0.72	0.72	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	COPPER (TOTAL)	5.1		0.47	0.47	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	IRON (TOTAL)	17600		7	7	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	LEAD (TOTAL)	14.6		0.3	0.65	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1340		70	70	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	MANGANESE (TOTAL)	56.9		0.23	0.23	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	NICKEL (TOTAL)	5.7		0.65	0.65	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04628-A	08768	10/14/2003	CL200.7	POTASSIUM (TOTAL)	365		121	121	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	SODIUM (TOTAL)	329		117	117	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	VANADIUM (TOTAL)	31.3		0.88	0.88	mg/Kg
SS04628-A	08768	10/14/2003	CL200.7	ZINC (TOTAL)	14.2	J	0.47	0.47	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	ALUMINUM (TOTAL)	18700		6	7	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	ARSENIC (TOTAL)	7		0.8	0.8	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	BARIUM (TOTAL)	15.9		2.7	2.7	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.47		0.07	0.07	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	BORON (TOTAL)	2.9	J	1.5	1.5	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	CADMIUM (TOTAL)	0.14	J	0.1	0.11	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	CHROMIUM (TOTAL)	20.9		0.3	0.3	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	COBALT (TOTAL)	3.4		0.71	0.71	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	COPPER (TOTAL)	5.6		0.46	0.46	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	IRON (TOTAL)	19100		6.8	6.8	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	LEAD (TOTAL)	11.3		0.3	0.64	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1900		68.6	68.6	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	MANGANESE (TOTAL)	79.6		0.23	0.23	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	NICKEL (TOTAL)	9.1		0.64	0.64	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	POTASSIUM (TOTAL)	504		119	119	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	SODIUM (TOTAL)	397		114	114	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	VANADIUM (TOTAL)	29.6		0.87	0.87	mg/Kg
SS04628-A	08769	10/14/2003	CL200.7	ZINC (TOTAL)	22.5	J	0.46	0.46	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	ALUMINUM (TOTAL)	13900		6	7.2	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	ARSENIC (TOTAL)	5.4		0.82	0.82	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	BARIUM (TOTAL)	14.2		2.7	2.7	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	BORON (TOTAL)	2.5	J	1.5	1.5	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	CHROMIUM (TOTAL)	16		0.31	0.31	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	COBALT (TOTAL)	2.2		0.73	0.73	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	COPPER (TOTAL)	7.5		0.47	0.47	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	IRON (TOTAL)	17000		7.1	7.1	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	LEAD (TOTAL)	10.6		0.3	0.66	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1480		70.7	70.7	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	MANGANESE (TOTAL)	57.1		0.24	0.24	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	NICKEL (TOTAL)	5.9		0.66	0.66	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	POTASSIUM (TOTAL)	416		123	123	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	SODIUM (TOTAL)	326		118	118	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	VANADIUM (TOTAL)	30.7		0.89	0.89	mg/Kg
SS04628-A	08770	10/14/2003	CL200.7	ZINC (TOTAL)	18.1	J	0.47	0.47	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	ALUMINUM (TOTAL)	18500		6	8.7	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	ARSENIC (TOTAL)	6.6	J	0.9	0.99	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	BARIUM (TOTAL)	16.6		3.3	3.3	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	BORON (TOTAL)	3.8	J	1.8	1.8	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04628-A	08771	10/14/2003	CL200.7	CHROMIUM (TOTAL)	21.6		0.37	0.37	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	COBALT (TOTAL)	3		0.88	0.88	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	COPPER (TOTAL)	3.5		0.57	0.57	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	IRON (TOTAL)	18500		8.5	8.5	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	LEAD (TOTAL)	10.9		0.3	0.8	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1670		85.5	85.5	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	MANGANESE (TOTAL)	77.9		0.28	0.28	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	NICKEL (TOTAL)	8.3		0.8	0.8	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	POTASSIUM (TOTAL)	509		148	148	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	SODIUM (TOTAL)	458		143	143	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	VANADIUM (TOTAL)	32.7		1.1	1.1	mg/Kg
SS04628-A	08771	10/14/2003	CL200.7	ZINC (TOTAL)	19.4	J	0.57	0.57	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	ALUMINUM (TOTAL)	22900		6	10.8	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	ARSENIC (TOTAL)	8	J	0.9	1.2	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	BARIUM (TOTAL)	21.3		4.1	4.1	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	BORON (TOTAL)	4.7	J	2.2	2.2	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	CHROMIUM (TOTAL)	25.8		0.46	0.46	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	COBALT (TOTAL)	3.3		1.1	1.1	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	COPPER (TOTAL)	4.4		0.7	0.7	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	IRON (TOTAL)	22600		9.1	10.5	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	LEAD (TOTAL)	12.9		0.3	0.98	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	2020		105	105	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	MANGANESE (TOTAL)	92.2		0.35	0.35	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	NICKEL (TOTAL)	9		0.98	0.98	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	POTASSIUM (TOTAL)	552		178	183	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	SODIUM (TOTAL)	585		151	176	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	VANADIUM (TOTAL)	39.8		1.3	1.3	mg/Kg
SS04628-A	08772	10/14/2003	CL200.7	ZINC (TOTAL)	22.7	J	0.7	0.7	mg/Kg
SS04628-A	J3.A.T10.003_PE1	9/8/2006	SW6010B	COPPER	5.2		0.18	2.0776	mg/Kg
SS04628-A	J3.A.T10.003_PE2	9/8/2006	SW6010B	COPPER	4.8		0.19	2.1903	mg/Kg
SS04628-A	J3.A.T10.003_PE3	9/8/2006	SW6010B	COPPER	7.2		0.17	1.8792	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	ALUMINUM (TOTAL)	12400		6	6.6	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	ARSENIC (TOTAL)	4		0.75	0.75	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	BARIUM (TOTAL)	16		2.5	2.5	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	BORON (TOTAL)	2	J	1.4	1.4	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	CALCIUM (TOTAL)	203		69.7	69.7	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	CHROMIUM (TOTAL)	11.5		0.28	0.28	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	COBALT (TOTAL)	0.77	J	0.66	0.66	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	COPPER (TOTAL)	3.4	J	0.43	0.43	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	IRON (TOTAL)	14600		6.4	6.4	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	LEAD (TOTAL)	9.2		0.3	0.3	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	705	J	65.9	65.9	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04634-A	08773	10/14/2003	CL200.7	MANGANESE (TOTAL)	34.1		0.21	0.21	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	NICKEL (TOTAL)	3	J	0.6	0.6	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	POTASSIUM (TOTAL)	554		112	112	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	SODIUM (TOTAL)	302		108	108	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	VANADIUM (TOTAL)	24.1		0.81	0.81	mg/Kg
SS04634-A	08773	10/14/2003	CL200.7	ZINC (TOTAL)	10.7	J	0.43	0.43	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	ALUMINUM (TOTAL)	6120		6	6	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	ARSENIC (TOTAL)	2.5		0.8	0.8	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	BARIUM (TOTAL)	8.7		2.3	2.3	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.11	J	0.06	0.06	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	CALCIUM (TOTAL)	85.5	J	63.3	63.3	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	CHROMIUM (TOTAL)	6.8		0.25	0.25	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	COBALT (TOTAL)	1.5		0.6	0.6	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	COPPER (TOTAL)	4.4	J	0.39	0.39	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	IRON (TOTAL)	6560		5.9	5.9	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	LEAD (TOTAL)	4.7		0.27	0.27	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	792	J	59.9	59.9	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	MANGANESE (TOTAL)	48.1		0.2	0.2	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	NICKEL (TOTAL)	3.6	J	0.55	0.55	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	POTASSIUM (TOTAL)	391		102	102	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	SODIUM (TOTAL)	120	J	97.9	97.9	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	VANADIUM (TOTAL)	11.2		0.74	0.74	mg/Kg
SS04634-A	08802	10/14/2003	CL200.7	ZINC (TOTAL)	11.4	J	0.39	0.39	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	ALUMINUM (TOTAL)	8940		5.6	5.6	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	ARSENIC (TOTAL)	2.8		0.64	0.64	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	BARIUM (TOTAL)	11.4		2.1	2.1	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.16		0.05	0.05	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	BORON (TOTAL)	1.6	J	1.2	1.2	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	CALCIUM (TOTAL)	115	J	59.3	59.3	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	CHROMIUM (TOTAL)	9.7		0.24	0.24	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	COBALT (TOTAL)	1.5		0.57	0.57	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	COPPER (TOTAL)	4.6	J	0.37	0.37	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	IRON (TOTAL)	9070		5.5	5.5	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	LEAD (TOTAL)	6.7		0.26	0.26	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	978	J	56.1	56.1	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	MANGANESE (TOTAL)	49.1		0.18	0.18	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	NICKEL (TOTAL)	4.1		0.51	0.51	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	POTASSIUM (TOTAL)	439		95.3	95.3	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	SODIUM (TOTAL)	205		91.7	91.7	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	VANADIUM (TOTAL)	16.1		0.69	0.69	mg/Kg
SS04634-A	08803	10/14/2003	CL200.7	ZINC (TOTAL)	20.3	J	0.37	0.37	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	ALUMINUM (TOTAL)	8480		5.7	5.7	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04634-A	08804	10/14/2003	CL200.7	ARSENIC (TOTAL)	2.3		0.65	0.65	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	BARIUM (TOTAL)	10.6		2.2	2.2	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.17		0.06	0.06	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	CALCIUM (TOTAL)	98.1	J	60.5	60.5	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	CHROMIUM (TOTAL)	9.2		0.24	0.24	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	COBALT (TOTAL)	1.5		0.58	0.58	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	COPPER (TOTAL)	3.9	J	0.37	0.37	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	IRON (TOTAL)	8540		5.6	5.6	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	LEAD (TOTAL)	6.4		0.26	0.26	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1020	J	57.2	57.2	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	MANGANESE (TOTAL)	47.1		0.19	0.19	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	NICKEL (TOTAL)	4	J	0.52	0.52	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	POTASSIUM (TOTAL)	395		97.1	97.1	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	SODIUM (TOTAL)	196		93.4	93.4	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	VANADIUM (TOTAL)	15.4		0.71	0.71	mg/Kg
SS04634-A	08804	10/14/2003	CL200.7	ZINC (TOTAL)	17.1	J	0.37	0.37	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	ALUMINUM (TOTAL)	6370		6	6.2	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	ARSENIC (TOTAL)	2.2		0.71	0.71	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	BARIUM (TOTAL)	10.3		2.4	2.4	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.16		0.06	0.06	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	CADMIUM (TOTAL)	0.58		0.1	0.14	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	CALCIUM (TOTAL)	115	J	65.5	65.5	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	CHROMIUM (TOTAL)	7.2		0.26	0.26	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	COBALT (TOTAL)	1.4		0.63	0.63	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	COPPER (TOTAL)	6.7	J	0.4	0.4	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	IRON (TOTAL)	7440		6.1	6.1	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	LEAD (TOTAL)	7.8		0.28	0.28	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	919	J	62	62	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	MANGANESE (TOTAL)	58.3		0.2	0.2	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	NICKEL (TOTAL)	3.5	J	0.56	0.56	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	POTASSIUM (TOTAL)	383		105	105	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	SODIUM (TOTAL)	154	J	101	101	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	VANADIUM (TOTAL)	12.3		0.77	0.77	mg/Kg
SS04634-A	08805	10/14/2003	CL200.7	ZINC (TOTAL)	15.1	J	0.4	0.4	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	ALUMINUM (TOTAL)	3180		6	6.7	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	ARSENIC (TOTAL)	1.4	J	0.76	0.76	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	BARIUM (TOTAL)	5	J	2.5	2.5	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	CHROMIUM (TOTAL)	3.6		0.28	0.28	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	COBALT (TOTAL)	0.78	J	0.67	0.67	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	COPPER (TOTAL)	2.3	J	0.43	0.43	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	IRON (TOTAL)	3760		6.5	6.5	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	LEAD (TOTAL)	3		0.3	0.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04634-A	08806	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	455	J	66.6	66.6	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	MANGANESE (TOTAL)	36.3		0.22	0.22	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	NICKEL (TOTAL)	1.7	J	0.61	0.61	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	POTASSIUM (TOTAL)	197	J	113	113	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	VANADIUM (TOTAL)	5.8		0.82	0.82	mg/Kg
SS04634-A	08806	10/14/2003	CL200.7	ZINC (TOTAL)	7.9	J	0.43	0.43	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	ALUMINUM (TOTAL)	9100		6	6.3	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	ARSENIC (TOTAL)	2.9		0.72	0.72	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	BARIUM (TOTAL)	10.3		2.4	2.4	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	BORON (TOTAL)	1.5	J	1.3	1.3	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	CALCIUM (TOTAL)	108	J	66.5	66.5	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	CHROMIUM (TOTAL)	10.5		0.27	0.27	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	COBALT (TOTAL)	1.2	J	0.63	0.63	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	COPPER (TOTAL)	3.5	J	0.41	0.41	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	IRON (TOTAL)	9140		6.1	6.1	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	LEAD (TOTAL)	7.2		0.29	0.29	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1010	J	62.9	62.9	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	MANGANESE (TOTAL)	41.7		0.2	0.2	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	NICKEL (TOTAL)	4	J	0.57	0.57	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	POTASSIUM (TOTAL)	405		107	107	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	SODIUM (TOTAL)	210		103	103	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	VANADIUM (TOTAL)	16.9		0.78	0.78	mg/Kg
SS04634-A	08807	10/14/2003	CL200.7	ZINC (TOTAL)	14.3	J	0.41	0.41	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	ALUMINUM (TOTAL)	10500		6	6.5	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	ARSENIC (TOTAL)	3.5		0.74	0.74	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	BARIUM (TOTAL)	21.2		2.5	2.5	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	BORON (TOTAL)	2	J	1.4	1.4	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	CALCIUM (TOTAL)	200		68.7	68.7	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	CHROMIUM (TOTAL)	13.7		0.27	0.27	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	COBALT (TOTAL)	2.6		0.66	0.66	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	COPPER (TOTAL)	6.2	J	0.42	0.42	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	IRON (TOTAL)	11200		6.3	6.3	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	LEAD (TOTAL)	7.2		0.3	0.3	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1840	J	64.9	64.9	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	MANGANESE (TOTAL)	83		0.21	0.21	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	NICKEL (TOTAL)	6.4		0.59	0.59	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	POTASSIUM (TOTAL)	698		110	110	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	SODIUM (TOTAL)	253		106	106	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	VANADIUM (TOTAL)	19.5		0.8	0.8	mg/Kg
SS04634-A	08808	10/14/2003	CL200.7	ZINC (TOTAL)	22.2	J	0.42	0.42	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	ALUMINUM (TOTAL)	7640		5.7	5.7	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	ARSENIC (TOTAL)	2.7		0.65	0.65	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04634-A	08809	10/14/2003	CL200.7	BARIUM (TOTAL)	9.5		2.2	2.2	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	BORON (TOTAL)	1.4	J	1.2	1.2	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	CALCIUM (TOTAL)	86.6	J	59.9	59.9	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	CHROMIUM (TOTAL)	8.5		0.24	0.24	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	COBALT (TOTAL)	1.1	J	0.57	0.57	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	COPPER (TOTAL)	2.8	J	0.37	0.37	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	IRON (TOTAL)	7560		5.5	5.5	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	LEAD (TOTAL)	5.8		0.26	0.26	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	832	J	56.6	56.6	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	MANGANESE (TOTAL)	37.2		0.18	0.18	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	NICKEL (TOTAL)	3.3	J	0.52	0.52	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	POTASSIUM (TOTAL)	354		96.2	96.2	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	SODIUM (TOTAL)	231		92.5	92.5	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	VANADIUM (TOTAL)	13.6		0.7	0.7	mg/Kg
SS04634-A	08809	10/14/2003	CL200.7	ZINC (TOTAL)	13.6	J	0.37	0.37	mg/Kg
SS04634-A	J3AT12004_PE1	8/30/2006	SW6010B	COPPER	4.4		0.11	2.3188	mg/Kg
SS04634-A	J3AT12004_PE1	8/30/2006	SW6010B	LEAD	7.5		0.25	0.9275	mg/Kg
SS04634-A	J3AT12004_PE2	8/30/2006	SW6010B	COPPER	4.9		0.11	2.2125	mg/Kg
SS04634-A	J3AT12004_PE2	8/30/2006	SW6010B	LEAD	7		0.24	0.885	mg/Kg
SS04634-A	J3AT12004_PE3	8/30/2006	SW6010B	COPPER	4.4		0.2	2.2228	mg/Kg
SS04634-A	J3AT12004_PE3	8/30/2006	SW6010B	LEAD	7		0.24	0.8891	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	ALUMINUM (TOTAL)	9620		6	7.4	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	ARSENIC (TOTAL)	4.4		0.84	0.84	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	BARIUM (TOTAL)	10.9	J	2.8	2.8	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	CALCIUM (TOTAL)	101	J	78	78	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	CHROMIUM (TOTAL)	9.7		0.31	0.31	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	COBALT (TOTAL)	1.2	J	0.74	0.74	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	COPPER (TOTAL)	3.6		0.48	0.48	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	IRON (TOTAL)	12300		7.2	7.2	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	LEAD (TOTAL)	11.3	J	0.3	0.34	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	760		73.7	73.7	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	MANGANESE (TOTAL)	33.8		0.24	0.24	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.54	J	0.29	0.29	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	NICKEL (TOTAL)	3.8	J	0.67	0.67	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	POTASSIUM (TOTAL)	134	J	125	125	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	SELENIUM (TOTAL)	0.99	J	0.86	0.86	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	SODIUM (TOTAL)	296		120	120	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	VANADIUM (TOTAL)	23.1		0.91	0.91	mg/Kg
SS04642-A	08778	10/14/2003	CL200.7	ZINC (TOTAL)	10.5	J	0.48	0.48	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	ALUMINUM (TOTAL)	17600		6	6.1	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	ARSENIC (TOTAL)	5.9		0.69	0.69	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	BARIUM (TOTAL)	26.6	J	2.3	2.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04642-A	08779	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.44		0.06	0.06	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	BORON (TOTAL)	1.8	J	1.3	1.3	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	CALCIUM (TOTAL)	107	J	64.2	64.2	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	CHROMIUM (TOTAL)	19		0.26	0.26	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	COBALT (TOTAL)	3.2		0.61	0.61	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	COPPER (TOTAL)	45.5		0.4	0.4	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	IRON (TOTAL)	17800		5.9	5.9	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	LEAD (TOTAL)	11.7	J	0.28	0.28	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1740		60.8	60.8	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	MANGANESE (TOTAL)	75.2		0.2	0.2	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.62		0.24	0.24	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	NICKEL (TOTAL)	8.5		0.55	0.55	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	POTASSIUM (TOTAL)	371	J	103	103	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	SELENIUM (TOTAL)	0.82	J	0.71	0.71	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	SODIUM (TOTAL)	396		99.3	99.3	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	VANADIUM (TOTAL)	28		0.75	0.75	mg/Kg
SS04642-A	08779	10/14/2003	CL200.7	ZINC (TOTAL)	81.4		0.4	0.4	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	ALUMINUM (TOTAL)	18800		6	7.2	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	ARSENIC (TOTAL)	6.6		0.82	0.82	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	BARIUM (TOTAL)	22.3	J	2.7	2.7	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.52		0.07	0.07	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	BORON (TOTAL)	2.2	J	1.5	1.5	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	CALCIUM (TOTAL)	95.6	J	76	76	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	CHROMIUM (TOTAL)	20.7		0.3	0.3	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	COBALT (TOTAL)	4		0.73	0.73	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	COPPER (TOTAL)	7		0.47	0.47	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	IRON (TOTAL)	19000		7	7	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	LEAD (TOTAL)	13.2	J	0.3	0.33	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	2340		71.9	71.9	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	MANGANESE (TOTAL)	97.1		0.23	0.23	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.48	J	0.28	0.28	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	NICKEL (TOTAL)	9.4		0.66	0.66	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	POTASSIUM (TOTAL)	513	J	122	122	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	SELENIUM (TOTAL)	1.4		0.84	0.84	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	SODIUM (TOTAL)	539		117	117	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	VANADIUM (TOTAL)	31		0.89	0.89	mg/Kg
SS04642-A	08780	10/14/2003	CL200.7	ZINC (TOTAL)	24.3	J	0.47	0.47	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	ALUMINUM (TOTAL)	5880		6	7.1	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	ARSENIC (TOTAL)	3.6		0.81	0.81	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	BARIUM (TOTAL)	8.4	J	2.7	2.7	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	CALCIUM (TOTAL)	93.9	J	74.8	74.8	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	CHROMIUM (TOTAL)	6.6		0.3	0.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04642-A	08781	10/14/2003	CL200.7	COBALT (TOTAL)	0.83		0.71	0.71	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	IRON (TOTAL)	9000		6.9	6.9	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	LEAD (TOTAL)	8.2	J	0.3	0.32	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	546		70.8	70.8	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	MANGANESE (TOTAL)	27.8		0.23	0.23	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	MOLYBDENUM (TOTAL)	0.69		0.28	0.28	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	NICKEL (TOTAL)	2.6	J	0.64	0.64	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	SELENIUM (TOTAL)	1.2		0.83	0.83	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	SODIUM (TOTAL)	246		116	116	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	VANADIUM (TOTAL)	15.9		0.88	0.88	mg/Kg
SS04642-A	08781	10/14/2003	CL200.7	ZINC (TOTAL)	7.8	J	0.46	0.46	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	ALUMINUM (TOTAL)	7230		6	6.7	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	ARSENIC (TOTAL)	4.2		0.76	0.76	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	BARIUM (TOTAL)	8.8		2.5	2.5	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.3		0.07	0.07	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	BORON (TOTAL)	1.5	J	1.4	1.4	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	CHROMIUM (TOTAL)	7.6		0.28	0.28	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	COPPER (TOTAL)	3		0.44	0.44	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	IRON (TOTAL)	12400		6.5	6.5	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	LEAD (TOTAL)	8.2		0.3	0.61	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	511		65.5	65.5	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	MANGANESE (TOTAL)	23.9		0.22	0.22	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	NICKEL (TOTAL)	2.2	J	0.61	0.61	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	SODIUM (TOTAL)	202	J	109	109	mg/Kg
SS04642-A	08782	10/14/2003	CL200.7	VANADIUM (TOTAL)	21.4		0.83	0.83	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	ALUMINUM (TOTAL)	15400		6	7.6	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	ARSENIC (TOTAL)	6		0.87	0.87	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	BARIUM (TOTAL)	20.5		2.9	2.9	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.41		0.07	0.07	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	BORON (TOTAL)	3	J	1.6	1.6	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	CHROMIUM (TOTAL)	16.2		0.32	0.32	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	COBALT (TOTAL)	2.2		0.77	0.77	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	COPPER (TOTAL)	9.7		0.5	0.5	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	IRON (TOTAL)	18300		7.5	7.5	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	LEAD (TOTAL)	10.5		0.3	0.7	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1360		74.7	74.7	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	MANGANESE (TOTAL)	67.3		0.25	0.25	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	NICKEL (TOTAL)	6.3		0.7	0.7	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	POTASSIUM (TOTAL)	361		130	130	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	SELENIUM (TOTAL)	1.3	J	0.89	0.89	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	SODIUM (TOTAL)	387		125	125	mg/Kg
SS04642-A	08783	10/14/2003	CL200.7	VANADIUM (TOTAL)	30.5		0.94	0.94	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS04642-A	08783	10/14/2003	CL200.7	ZINC (TOTAL)	17.4	J	0.5	0.5	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	ALUMINUM (TOTAL)	23300		6	7.3	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	ARSENIC (TOTAL)	7.9		0.84	0.84	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	BARIUM (TOTAL)	26.7		2.8	2.8	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.43		0.07	0.07	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	BORON (TOTAL)	4.7	J	1.5	1.5	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	CADMIUM (TOTAL)	0.19	J	0.1	0.12	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	CHROMIUM (TOTAL)	26.9		0.31	0.31	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	COBALT (TOTAL)	4.3		0.74	0.74	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	COPPER (TOTAL)	7.4		0.48	0.48	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	IRON (TOTAL)	23000		7.2	7.2	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	LEAD (TOTAL)	16.7		0.3	0.67	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	2850		72	72	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	MANGANESE (TOTAL)	118		0.24	0.24	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	NICKEL (TOTAL)	11.7		0.67	0.67	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	POTASSIUM (TOTAL)	911		125	125	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	SELENIUM (TOTAL)	2		0.86	0.86	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	SODIUM (TOTAL)	503		120	120	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	VANADIUM (TOTAL)	46		0.91	0.91	mg/Kg
SS04642-A	08784	10/14/2003	CL200.7	ZINC (TOTAL)	29.9		0.48	0.48	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	ALUMINUM (TOTAL)	13600		6	6.1	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	ARSENIC (TOTAL)	4.7		0.7	0.7	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	BARIUM (TOTAL)	11.1		2.3	2.3	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	BERYLLIUM (TOTAL)	0.28		0.06	0.06	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	BORON (TOTAL)	2.6	J	1.3	1.3	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	CHROMIUM (TOTAL)	12.7		0.26	0.26	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	COBALT (TOTAL)	1.6		0.62	0.62	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	COPPER (TOTAL)	2.5		0.4	0.4	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	IRON (TOTAL)	13200		6	6	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	LEAD (TOTAL)	7.5		0.3	0.56	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	MAGNESIUM (TOTAL)	1070		59.8	59.8	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	MANGANESE (TOTAL)	44.2		0.2	0.2	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	NICKEL (TOTAL)	6.3		0.56	0.56	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	POTASSIUM (TOTAL)	379		104	104	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	SELENIUM (TOTAL)	0.72	J	0.72	0.72	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	SODIUM (TOTAL)	294		99.8	99.8	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	VANADIUM (TOTAL)	22		0.76	0.76	mg/Kg
SS04642-A	08785	10/14/2003	CL200.7	ZINC (TOTAL)	12.6	J	0.4	0.4	mg/Kg
SS04642-A	J3.A.T6.001_PE1	9/8/2006	SW6010B	BARIUM	8.5	J	0.45	16.727	mg/Kg
SS04642-A	J3.A.T6.001_PE2	9/8/2006	SW6010B	BARIUM	6.1	J	0.45	16.6714	mg/Kg
SS04642-A	J3.A.T6.001_PE3	9/8/2006	SW6010B	BARIUM	10	J	0.43	15.9155	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	ALUMINUM (TOTAL)	4680		5.3	8.39	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FA	AQ269	5/7/2001	CL200.7	ARSENIC (TOTAL)	1.9		0.823	0.823	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	BARIUM (TOTAL)	7.4		0.723	0.723	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.11		0.0201	0.0201	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.15		0.0402	0.0402	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	CHROMIUM (TOTAL)	6		0.2	0.281	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	COBALT (TOTAL)	2.1		0.241	0.241	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	COPPER (TOTAL)	4.5		0.502	0.502	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	IRON (TOTAL)	6680		3.5	7.45	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	LEAD (TOTAL)	4.3		0.2	0.261	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	761		82.5	134	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	MANGANESE (TOTAL)	57.4		0.0602	0.0602	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	NICKEL (TOTAL)	4		0.261	0.261	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	POTASSIUM (TOTAL)	422		72.1	72.1	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	VANADIUM (TOTAL)	11		0.281	0.281	mg/Kg
SS102FA	AQ269	5/7/2001	CL200.7	ZINC (TOTAL)	13.5		0.4	0.964	mg/Kg
SS102FA	AQ269	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	100		1	1.99	mg/Kg
SS102FA	AQ269	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	4410	J	0	0	mg/Kg
SS102FA	AQ269	5/7/2001	CVOL	ACETONE	49	J	4.04	12	ug/Kg
SS102FA	AQ269	5/7/2001	CVOL	BROMOFORM	2	J	1.15	12	ug/Kg
SS102FA	AQ269	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	12	ug/Kg
SS102FA	AQ270	5/7/2001	CL200.7	ALUMINUM (TOTAL)	3020		5.3	7.56	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	ARSENIC (TOTAL)	2		0.742	0.742	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	BARIUM (TOTAL)	5.9		0.652	0.652	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.11		0.0181	0.0181	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.1		0.0362	0.0362	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	CHROMIUM (TOTAL)	4.3		0.2	0.253	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	COBALT (TOTAL)	1.7		0.217	0.217	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	COPPER (TOTAL)	5.8		0.452	0.452	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	IRON (TOTAL)	4690		3.5	6.71	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	LEAD (TOTAL)	3.9		0.2	0.235	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	591		82.5	120	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	MANGANESE (TOTAL)	54.6		0.0543	0.0543	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	NICKEL (TOTAL)	3.9		0.235	0.235	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	POTASSIUM (TOTAL)	421		65	65	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	VANADIUM (TOTAL)	8.1		0.253	0.253	mg/Kg
SS102FA	AQ270	5/7/2001	CL200.7	ZINC (TOTAL)	7.4		0.4	0.869	mg/Kg
SS102FA	AQ270	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	106		1	1.62	mg/Kg
SS102FA	AQ270	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	3010		0	0	mg/Kg
SS102FA	AQ270	5/7/2001	CVOL	ACETONE	23	J	4.04	9	ug/Kg
SS102FA	AQ270	5/7/2001	CVOL	BROMOFORM	3	J	1.15	9	ug/Kg
SS102FA	AQ270	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	9	ug/Kg
SS102FA	AQ271	5/7/2001	CL200.7	ALUMINUM (TOTAL)	2790		5.3	7.45	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FA	AQ271	5/7/2001	CL200.7	ARSENIC (TOTAL)	1.5		0.731	0.731	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	BARIUM (TOTAL)	4.9		0.642	0.642	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.08		0.0178	0.0178	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.12		0.0356	0.0356	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	CHROMIUM (TOTAL)	4.2		0.2	0.25	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	COBALT (TOTAL)	1.5		0.214	0.214	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	COPPER (TOTAL)	4.8		0.446	0.446	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	IRON (TOTAL)	4380		3.5	6.61	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	LEAD (TOTAL)	3.2		0.2	0.232	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	556		82.5	119	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	MANGANESE (TOTAL)	37.1		0.0535	0.0535	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	NICKEL (TOTAL)	3		0.232	0.232	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	VANADIUM (TOTAL)	8		0.25	0.25	mg/Kg
SS102FA	AQ271	5/7/2001	CL200.7	ZINC (TOTAL)	6.4		0.4	0.856	mg/Kg
SS102FA	AQ271	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73.6		1	1.62	mg/Kg
SS102FA	AQ271	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	1580	J	0	0	mg/Kg
SS102FA	AQ271	5/7/2001	CVOL	ACETONE	25	J	4.04	10	ug/Kg
SS102FA	AQ271	5/7/2001	CVOL	BROMOFORM	2	J	1.15	10	ug/Kg
SS102FA	AQ271	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	10	ug/Kg
SS102FA	AQ272	5/7/2001	CL200.7	ALUMINUM (TOTAL)	3600		5.3	8.02	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	ARSENIC (TOTAL)	1.6		0.787	0.787	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	BARIUM (TOTAL)	5.8		0.691	0.691	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.12		0.0192	0.0192	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.13		0.0384	0.0384	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	CHROMIUM (TOTAL)	6.4		0.2	0.269	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	COBALT (TOTAL)	2.1		0.23	0.23	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	COPPER (TOTAL)	13.1		0.48	0.48	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	IRON (TOTAL)	5920		3.5	7.12	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	LEAD (TOTAL)	4.4		0.2	0.25	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	687		82.5	128	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	MANGANESE (TOTAL)	58		0.0576	0.0576	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	MOLYBDENUM (TOTAL)	1.7		0.23	0.23	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	NICKEL (TOTAL)	5.3		0.25	0.25	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	POTASSIUM (TOTAL)	404		68.9	68.9	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	VANADIUM (TOTAL)	10		0.269	0.269	mg/Kg
SS102FA	AQ272	5/7/2001	CL200.7	ZINC (TOTAL)	10.8		0.4	0.921	mg/Kg
SS102FA	AQ272	5/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.17	J	0.0043	0.01	mg/Kg
SS102FA	AQ272	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	75		1	1.85	mg/Kg
SS102FA	AQ272	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	3160	J	0	0	mg/Kg
SS102FA	AQ272	5/7/2001	CVOL	ACETONE	16	J	4.04	8	ug/Kg
SS102FA	AQ272	5/7/2001	CVOL	BROMOFORM	2	J	1.15	8	ug/Kg
SS102FA	AQ272	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FA	AQ273	5/7/2001	CL200.7	ALUMINUM (TOTAL)	4090		5.3	7.38	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	ANTIMONY (TOTAL)	0.56	J	0.548	0.548	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	ARSENIC (TOTAL)	1.4	J	0.724	0.724	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	BARIUM (TOTAL)	7.4		0.636	0.636	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.16		0.0177	0.0177	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.14		0.0353	0.0353	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	CHROMIUM (TOTAL)	6.1		0.2	0.247	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	COBALT (TOTAL)	2.5		0.212	0.212	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	COPPER (TOTAL)	6.4		0.442	0.442	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	IRON (TOTAL)	6470		3.5	6.55	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	LEAD (TOTAL)	3.8		0.2	0.23	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	916		82.5	117	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	MANGANESE (TOTAL)	84		0.053	0.053	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	NICKEL (TOTAL)	4.3		0.23	0.23	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	POTASSIUM (TOTAL)	459		63.4	63.4	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	VANADIUM (TOTAL)	9.4		0.247	0.247	mg/Kg
SS102FA	AQ273	5/7/2001	CL200.7	ZINC (TOTAL)	9.5		0.4	0.848	mg/Kg
SS102FA	AQ273	5/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102FA	AQ273	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	78.9		1	1.93	mg/Kg
SS102FA	AQ273	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	2070		0	0	mg/Kg
SS102FA	AQ273	5/7/2001	CVOL	ACETONE	17	J	4.04	8	ug/Kg
SS102FA	AQ273	5/7/2001	CVOL	BROMOFORM	3	J	1.15	8	ug/Kg
SS102FA	AQ273	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg
SS102FA	AQ274	5/7/2001	CL200.7	ALUMINUM (TOTAL)	6010		5.3	8.23	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	ARSENIC (TOTAL)	2.6		0.808	0.808	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	BARIUM (TOTAL)	9.7		0.709	0.709	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0197	0.0197	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.26		0.0394	0.0394	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	CHROMIUM (TOTAL)	7.9		0.2	0.276	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	COBALT (TOTAL)	2.9		0.236	0.236	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	COPPER (TOTAL)	7.4		0.492	0.492	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	IRON (TOTAL)	7620		3.5	7.31	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	LEAD (TOTAL)	4.9		0.2	0.256	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	689		82.5	131	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	MANGANESE (TOTAL)	77.8		0.0591	0.0591	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	NICKEL (TOTAL)	5.2		0.256	0.256	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	POTASSIUM (TOTAL)	558		70.7	70.7	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	VANADIUM (TOTAL)	12.1		0.276	0.276	mg/Kg
SS102FA	AQ274	5/7/2001	CL200.7	ZINC (TOTAL)	15.7		0.4	0.946	mg/Kg
SS102FA	AQ274	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103		1	2.03	mg/Kg
SS102FA	AQ274	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	3740	J	0	0	mg/Kg
SS102FA	AQ274	5/7/2001	CVOL	ACETONE	22	J	4.04	9	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FA	AQ274	5/7/2001	CVOL	BROMOFORM	3	J	1.15	9	ug/Kg
SS102FA	AQ274	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	9	ug/Kg
SS102FA	AQ275	5/7/2001	CL200.7	ALUMINUM (TOTAL)	2960		5.3	7.99	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	ARSENIC (TOTAL)	1.3	J	0.784	0.784	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	BARIUM (TOTAL)	5.1		0.688	0.688	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.32		0.0191	0.0191	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.2		0.0382	0.0382	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	CHROMIUM (TOTAL)	5.1		0.2	0.268	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	COBALT (TOTAL)	1.9		0.229	0.229	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	COPPER (TOTAL)	5.1		0.478	0.478	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	IRON (TOTAL)	7070		3.5	7.09	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	LEAD (TOTAL)	3.5		0.2	0.248	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	547		82.5	127	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	MANGANESE (TOTAL)	94.2		0.0573	0.0573	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	NICKEL (TOTAL)	3		0.248	0.248	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	POTASSIUM (TOTAL)	389		68.6	68.6	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	VANADIUM (TOTAL)	9.3		0.268	0.268	mg/Kg
SS102FA	AQ275	5/7/2001	CL200.7	ZINC (TOTAL)	11.9		0.4	0.917	mg/Kg
SS102FA	AQ275	5/7/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.8	J	1.5	2.4	mg/Kg
SS102FA	AQ275	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	81.7		1	1.54	mg/Kg
SS102FA	AQ275	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	2770		0	0	mg/Kg
SS102FA	AQ275	5/7/2001	CVOL	ACETONE	24	J	4.04	10	ug/Kg
SS102FA	AQ275	5/7/2001	CVOL	BROMOFORM	3	J	1.15	10	ug/Kg
SS102FA	AQ275	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	10	ug/Kg
SS102FA	AQ276	5/7/2001	CL200.7	ALUMINUM (TOTAL)	2420		5.3	7.25	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	ARSENIC (TOTAL)	0.78	J	0.712	0.712	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	BARIUM (TOTAL)	4.2		0.625	0.625	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.07	J	0.0174	0.0174	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.06	J	0.0347	0.0347	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	CHROMIUM (TOTAL)	3		0.2	0.243	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	COBALT (TOTAL)	1.3		0.208	0.208	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	COPPER (TOTAL)	7.5		0.434	0.434	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	IRON (TOTAL)	3590		3.5	6.44	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	LEAD (TOTAL)	2.9		0.2	0.226	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	504		82.5	115	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	MANGANESE (TOTAL)	41.4		0.0521	0.0521	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	NICKEL (TOTAL)	2.7		0.226	0.226	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	POTASSIUM (TOTAL)	268		62.3	62.3	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	VANADIUM (TOTAL)	7.2		0.243	0.243	mg/Kg
SS102FA	AQ276	5/7/2001	CL200.7	ZINC (TOTAL)	6		0.4	0.833	mg/Kg
SS102FA	AQ276	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	58		1	1.88	mg/Kg
SS102FA	AQ276	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	3810		0	0	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FA	AQ276	5/7/2001	CVOL	ACETONE	24	J	4.04	7	ug/Kg
SS102FA	AQ276	5/7/2001	CVOL	BROMOFORM	1	J	1	7	ug/Kg
SS102FA	AQ276	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	7	ug/Kg
SS102FA	AQ277	5/7/2001	CL200.7	ALUMINUM (TOTAL)	4020		5.3	7.32	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	ARSENIC (TOTAL)	1.5		0.718	0.718	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	BARIUM (TOTAL)	5.6		0.631	0.631	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0175	0.0175	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.16		0.035	0.035	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	CHROMIUM (TOTAL)	7.1		0.2	0.245	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	COBALT (TOTAL)	2.3		0.21	0.21	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	COPPER (TOTAL)	13.7		0.438	0.438	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	IRON (TOTAL)	6910		3.5	6.5	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	LEAD (TOTAL)	3.4		0.2	0.228	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	1230		82.5	116	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	MANGANESE (TOTAL)	65.1		0.0525	0.0525	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	MOLYBDENUM (TOTAL)	1.6		0.21	0.21	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	NICKEL (TOTAL)	6		0.228	0.228	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	POTASSIUM (TOTAL)	361		62.9	62.9	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	VANADIUM (TOTAL)	10		0.245	0.245	mg/Kg
SS102FA	AQ277	5/7/2001	CL200.7	ZINC (TOTAL)	11.1		0.4	0.841	mg/Kg
SS102FA	AQ277	5/7/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.5	J	1.5	2.28	mg/Kg
SS102FA	AQ277	5/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.19	J	0.0043	0.01	mg/Kg
SS102FA	AQ277	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	69.6		1	1.9	mg/Kg
SS102FA	AQ277	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	2000	J	0	0	mg/Kg
SS102FA	AQ277	5/7/2001	SW8151A	CHLORAMBEN	8	J	4.37	5.4	ug/Kg
SS102FA	AQ277	5/7/2001	CVOL	ACETONE	33	J	4.04	8	ug/Kg
SS102FA	AQ277	5/7/2001	CVOL	BROMOFORM	2	J	1.15	8	ug/Kg
SS102FA	AQ277	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	8	ug/Kg
SS102FA	AQ278	5/7/2001	CL200.7	ALUMINUM (TOTAL)	2290		5.3	7.62	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	ARSENIC (TOTAL)	1	J	0.748	0.748	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	BARIUM (TOTAL)	4.7		0.657	0.657	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.12		0.0182	0.0182	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.06	J	0.0365	0.0365	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	CHROMIUM (TOTAL)	3.6		0.2	0.255	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	COBALT (TOTAL)	1.6		0.219	0.219	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	COPPER (TOTAL)	4.8		0.456	0.456	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	IRON (TOTAL)	4110		3.5	6.77	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	LEAD (TOTAL)	3		0.2	0.237	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	460		82.5	121	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	MANGANESE (TOTAL)	54.1		0.0547	0.0547	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	NICKEL (TOTAL)	2.5		0.237	0.237	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	POTASSIUM (TOTAL)	358		65.5	65.5	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FA	AQ278	5/7/2001	CL200.7	VANADIUM (TOTAL)	6.4		0.255	0.255	mg/Kg
SS102FA	AQ278	5/7/2001	CL200.7	ZINC (TOTAL)	6.1		0.4	0.875	mg/Kg
SS102FA	AQ278	5/7/2001	CPEST	P,P'-DDD	2.1	J	0.534	3.3	ug/Kg
SS102FA	AQ278	5/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102FA	AQ278	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93		1	1.91	mg/Kg
SS102FA	AQ278	5/7/2001	CVOL	ACETONE	34	J	4.04	10	ug/Kg
SS102FA	AQ278	5/7/2001	CVOL	BROMOFORM	3	J	1.15	10	ug/Kg
SS102FA	AQ278	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	10	ug/Kg
SS102FA	AQ279	5/7/2001	CL200.7	ALUMINUM (TOTAL)	3340		5.3	7.34	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	ARSENIC (TOTAL)	1.4	J	0.72	0.72	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	BARIUM (TOTAL)	6.5		0.633	0.633	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.13		0.0176	0.0176	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.1		0.0351	0.0351	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	CHROMIUM (TOTAL)	4.6		0.2	0.246	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	COBALT (TOTAL)	2.1		0.211	0.211	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	COPPER (TOTAL)	5.5		0.439	0.439	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	IRON (TOTAL)	5040		3.5	6.52	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	LEAD (TOTAL)	3.2		0.2	0.228	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	649		82.5	117	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	MANGANESE (TOTAL)	66.9		0.0527	0.0527	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	NICKEL (TOTAL)	3.2		0.228	0.228	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	POTASSIUM (TOTAL)	420		63.1	63.1	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	VANADIUM (TOTAL)	7.6		0.246	0.246	mg/Kg
SS102FA	AQ279	5/7/2001	CL200.7	ZINC (TOTAL)	8.1		0.4	0.843	mg/Kg
SS102FA	AQ279	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	91.1		1	1.94	mg/Kg
SS102FA	AQ279	5/7/2001	SW8151A	CHLORAMBEN	6.2	J	4.37	5.5	ug/Kg
SS102FA	AQ279	5/7/2001	CVOL	ACETONE	32	J	4.04	8	ug/Kg
SS102FA	AQ279	5/7/2001	CVOL	BROMOFORM	2	J	1.15	8	ug/Kg
SS102FA	AQ279	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	8	ug/Kg
SS102FA	AQ280	5/7/2001	CL200.7	ALUMINUM (TOTAL)	1870		5.3	7.75	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	ARSENIC (TOTAL)	0.92	J	0.76	0.76	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	BARIUM (TOTAL)	4.9		0.667	0.667	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.1		0.0185	0.0185	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.08		0.0371	0.0371	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	CHROMIUM (TOTAL)	3.1		0.2	0.26	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	COBALT (TOTAL)	1.5		0.222	0.222	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	COPPER (TOTAL)	4.1		0.463	0.463	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	IRON (TOTAL)	3730		3.5	6.88	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	LEAD (TOTAL)	2.6		0.2	0.241	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	466		82.5	123	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	MANGANESE (TOTAL)	57.7		0.0556	0.0556	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	NICKEL (TOTAL)	2.6		0.241	0.241	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FA	AQ280	5/7/2001	CL200.7	POTASSIUM (TOTAL)	267		66.5	66.5	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	VANADIUM (TOTAL)	5.3		0.26	0.26	mg/Kg
SS102FA	AQ280	5/7/2001	CL200.7	ZINC (TOTAL)	6.9		0.4	0.89	mg/Kg
SS102FA	AQ280	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	52.3		1	1.71	mg/Kg
SS102FA	AQ280	5/7/2001	SW8151A	CHLORAMBEN	7.4	J	4.37	5.4	ug/Kg
SS102FA	AQ280	5/7/2001	CVOL	ACETONE	50	J	4.04	10	ug/Kg
SS102FA	AQ280	5/7/2001	CVOL	BROMOFORM	2	J	1.15	10	ug/Kg
SS102FA	AQ280	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	10	ug/Kg
SS102FA	AQ280	5/7/2001	CVOL	TOLUENE	0.9	J	0.9	10	ug/Kg
SS102FA	AQ281	5/7/2001	CL200.7	ALUMINUM (TOTAL)	2630		5.3	7.85	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	ARSENIC (TOTAL)	1.3	J	0.77	0.77	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	BARIUM (TOTAL)	5		0.676	0.676	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.09	J	0.0188	0.0188	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.12		0.0376	0.0376	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	CHROMIUM (TOTAL)	3.7		0.2	0.263	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	COBALT (TOTAL)	1.6		0.225	0.225	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	COPPER (TOTAL)	5.2		0.47	0.47	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	IRON (TOTAL)	3650		3.5	6.97	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	LEAD (TOTAL)	3.2		0.2	0.244	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	527		82.5	125	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	MANGANESE (TOTAL)	43.6		0.0563	0.0563	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	NICKEL (TOTAL)	3		0.244	0.244	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	POTASSIUM (TOTAL)	299		67.4	67.4	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	VANADIUM (TOTAL)	7.7		0.263	0.263	mg/Kg
SS102FA	AQ281	5/7/2001	CL200.7	ZINC (TOTAL)	6.1		0.4	0.902	mg/Kg
SS102FA	AQ281	5/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102FA	AQ281	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	71.8		1	2.01	mg/Kg
SS102FA	AQ281	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	374	J	0	0	mg/Kg
SS102FA	AQ281	5/7/2001	CVOL	ACETONE	33	J	4.04	9	ug/Kg
SS102FA	AQ281	5/7/2001	CVOL	BROMOFORM	2	J	1.15	9	ug/Kg
SS102FA	AQ281	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	9	ug/Kg
SS102FA	AQ282	5/7/2001	CL200.7	ALUMINUM (TOTAL)	1330		5.3	7.76	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	ARSENIC (TOTAL)	0.98	J	0.761	0.761	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	BARIUM (TOTAL)	3.1		0.669	0.669	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.06	J	0.0186	0.0186	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.1		0.0371	0.0371	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	CHROMIUM (TOTAL)	2.4		0.2	0.26	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	COBALT (TOTAL)	1.1		0.223	0.223	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	COPPER (TOTAL)	4		0.464	0.464	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	IRON (TOTAL)	2350		3.5	6.89	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	LEAD (TOTAL)	1.7		0.2	0.241	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	359		82.5	124	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FA	AQ282	5/7/2001	CL200.7	MANGANESE (TOTAL)	39.5		0.0557	0.0557	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	NICKEL (TOTAL)	2		0.241	0.241	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	POTASSIUM (TOTAL)	216		66.7	66.7	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	SODIUM (TOTAL)	79.2	J	62	62	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	VANADIUM (TOTAL)	3.8		0.26	0.26	mg/Kg
SS102FA	AQ282	5/7/2001	CL200.7	ZINC (TOTAL)	4.9		0.4	0.891	mg/Kg
SS102FA	AQ282	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	39.8		1	1.53	mg/Kg
SS102FA	AQ282	5/7/2001	SW8151A	CHLORAMBEN	7.1	J	4.37	5.4	ug/Kg
SS102FA	AQ282	5/7/2001	CVOL	ACETONE	92	J	4.04	13	ug/Kg
SS102FA	AQ282	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	13	ug/Kg
SS102FA	AQ283	5/7/2001	CL200.7	ALUMINUM (TOTAL)	2980		5.3	8.17	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	ARSENIC (TOTAL)	1.1	J	0.802	0.802	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	BARIUM (TOTAL)	6.3		0.704	0.704	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0196	0.0196	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.13		0.0391	0.0391	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	CHROMIUM (TOTAL)	4.7		0.2	0.274	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	COBALT (TOTAL)	2.3		0.235	0.235	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	COPPER (TOTAL)	12.4		0.489	0.489	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	IRON (TOTAL)	5700		3.5	7.25	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	LEAD (TOTAL)	4.6		0.2	0.254	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	796		82.5	130	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	MANGANESE (TOTAL)	74.1		0.0587	0.0587	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	NICKEL (TOTAL)	6		0.254	0.254	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	POTASSIUM (TOTAL)	356		70.2	70.2	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	VANADIUM (TOTAL)	8.4		0.274	0.274	mg/Kg
SS102FA	AQ283	5/7/2001	CL200.7	ZINC (TOTAL)	9.3		0.4	0.939	mg/Kg
SS102FA	AQ283	5/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.31	J	0.0043	0.01	mg/Kg
SS102FA	AQ283	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	17		1	2.01	mg/Kg
SS102FA	AQ283	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	753		0	0	mg/Kg
SS102FA	AQ283	5/7/2001	SW8151A	CHLORAMBEN	7.4	J	4.37	5.4	ug/Kg
SS102FA	AQ283	5/7/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	44	J	44	330	ug/Kg
SS102FA	AQ283	5/7/2001	CVOL	ACETONE	39	J	4.04	9	ug/Kg
SS102FA	AQ283	5/7/2001	CVOL	BROMOFORM	1	J	1	9	ug/Kg
SS102FA	AQ283	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	9	ug/Kg
SS102FA	AQ284	5/7/2001	CL200.7	ALUMINUM (TOTAL)	1800		5.3	8.38	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	ARSENIC (TOTAL)	1.2	J	0.822	0.822	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	BARIUM (TOTAL)	4.4		0.722	0.722	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.11		0.02	0.02	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.1		0.0401	0.0401	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	CHROMIUM (TOTAL)	3.1		0.2	0.281	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	COBALT (TOTAL)	1.8		0.241	0.241	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	COPPER (TOTAL)	5.4		0.501	0.501	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FA	AQ284	5/7/2001	CL200.7	IRON (TOTAL)	3550		3.5	7.44	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	LEAD (TOTAL)	2.6		0.2	0.261	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	429		82.5	133	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	MANGANESE (TOTAL)	50		0.0601	0.0601	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	NICKEL (TOTAL)	2.5		0.261	0.261	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	POTASSIUM (TOTAL)	330		72	72	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	VANADIUM (TOTAL)	5.7		0.281	0.281	mg/Kg
SS102FA	AQ284	5/7/2001	CL200.7	ZINC (TOTAL)	6		0.4	0.962	mg/Kg
SS102FA	AQ284	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	82.6		1	1.81	mg/Kg
SS102FA	AQ284	5/7/2001	SW8151A	CHLORAMBEN	7.5	J	4.37	5.4	ug/Kg
SS102FA	AQ284	5/7/2001	CVOL	ACETONE	24	J	4.04	9	ug/Kg
SS102FA	AQ284	5/7/2001	CVOL	BROMOFORM	2	J	1.15	9	ug/Kg
SS102FA	AQ284	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	9	ug/Kg
SS102FB	AQ303	5/8/2001	CL200.7	ALUMINUM (TOTAL)	3390		5.3	7.88	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	ARSENIC (TOTAL)	1.4	J	0.773	0.773	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	BARIUM (TOTAL)	6.1		0.679	0.679	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.12		0.0189	0.0189	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	BORON (TOTAL)	3.7		1.2	1.53	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.11		0.0377	0.0377	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	CALCIUM (TOTAL)	45.3	J	33.9	33.9	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	CHROMIUM (TOTAL)	4.5		0.2	0.264	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	COBALT (TOTAL)	1.8		0.226	0.226	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	COPPER (TOTAL)	4.1		0.472	0.472	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	IRON (TOTAL)	4990		3.5	7	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	LEAD (TOTAL)	3.5		0.2	0.245	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	653		35.6	35.6	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	MANGANESE (TOTAL)	48.6		0.0566	0.0566	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	NICKEL (TOTAL)	2.9		0.245	0.245	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	POTASSIUM (TOTAL)	399		67.7	67.7	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	VANADIUM (TOTAL)	8.8		0.264	0.264	mg/Kg
SS102FB	AQ303	5/8/2001	CL200.7	ZINC (TOTAL)	7.9		0.4	0.905	mg/Kg
SS102FB	AQ303	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101	J	1	1.96	mg/Kg
SS102FB	AQ303	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	1550		0	0	mg/Kg
SS102FB	AQ303	5/8/2001	SW8151A	DCPA (DACTHAL)	5.6	J	5.2	5.2	ug/Kg
SS102FB	AQ303	5/8/2001	CVOL	ACETONE	22	J	4.04	8	ug/Kg
SS102FB	AQ303	5/8/2001	CVOL	BROMOFORM	1	J	1	8	ug/Kg
SS102FB	AQ304	5/8/2001	CL200.7	ALUMINUM (TOTAL)	6250		5.3	10.7	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.5		0.9	1.05	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	BARIUM (TOTAL)	9.8		0.923	0.923	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.16		0.0256	0.0256	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	BORON (TOTAL)	6.5		1.2	2.08	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.19		0.0513	0.0513	mg/Kg

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NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FB	AQ304	5/8/2001	CL200.7	CALCIUM (TOTAL)	68.5	J	46.2	46.2	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	CHROMIUM (TOTAL)	9		0.2	0.359	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	COBALT (TOTAL)	3		0.308	0.308	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	COPPER (TOTAL)	5.4		0.641	0.641	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	IRON (TOTAL)	8550		3.5	9.51	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	LEAD (TOTAL)	6.3		0.2	0.333	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1010		48.5	48.5	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	MANGANESE (TOTAL)	74.9		0.0769	0.0769	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	NICKEL (TOTAL)	9.3		0.333	0.333	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	POTASSIUM (TOTAL)	536		92.1	92.1	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	VANADIUM (TOTAL)	14.1		0.359	0.359	mg/Kg
SS102FB	AQ304	5/8/2001	CL200.7	ZINC (TOTAL)	14.4		0.4	1.23	mg/Kg
SS102FB	AQ304	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	12.3	J	1.5	3.08	mg/Kg
SS102FB	AQ304	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93	J	1	2.82	mg/Kg
SS102FB	AQ304	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	4970		0	0	mg/Kg
SS102FB	AQ304	5/8/2001	SW8270	BENZOIC ACID	100	J	100	1200	ug/Kg
SS102FB	AQ304	5/8/2001	CVOL	ACETONE	71	J	4.04	11	ug/Kg
SS102FB	AQ304	5/8/2001	CVOL	BROMOFORM	2	J	1.15	11	ug/Kg
SS102FB	AQ304	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	11	ug/Kg
SS102FB	AQ305	5/8/2001	CL200.7	ALUMINUM (TOTAL)	4280		5.3	8.68	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	ARSENIC (TOTAL)	1.4	J	0.851	0.851	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	BARIUM (TOTAL)	7		0.747	0.747	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.12		0.0208	0.0208	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	BORON (TOTAL)	4.2		1.2	1.68	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.1		0.0415	0.0415	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	CALCIUM (TOTAL)	40.2	J	37.4	37.4	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	CHROMIUM (TOTAL)	5.5		0.2	0.291	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	COBALT (TOTAL)	2.1		0.249	0.249	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	COPPER (TOTAL)	3.3		0.519	0.519	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	IRON (TOTAL)	5520		3.5	7.7	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	LEAD (TOTAL)	4.1		0.2	0.27	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	676		39.2	39.2	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	MANGANESE (TOTAL)	54.6		0.0623	0.0623	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	NICKEL (TOTAL)	3.2		0.27	0.27	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	POTASSIUM (TOTAL)	367	J	74.5	74.5	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	VANADIUM (TOTAL)	9.2		0.291	0.291	mg/Kg
SS102FB	AQ305	5/8/2001	CL200.7	ZINC (TOTAL)	8.6		0.4	0.996	mg/Kg
SS102FB	AQ305	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.2	J	1.5	2.67	mg/Kg
SS102FB	AQ305	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	82.4	J	1	1.97	mg/Kg
SS102FB	AQ305	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	1980		0	0	mg/Kg
SS102FB	AQ305	5/8/2001	CVOL	ACETONE	23	J	4.04	11	ug/Kg
SS102FB	AQ305	5/8/2001	CVOL	BROMOFORM	2	J	1.15	11	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FB	AQ306	5/8/2001	CL200.7	ALUMINUM (TOTAL)	3100		5.3	7.87	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	ARSENIC (TOTAL)	1.4	J	0.772	0.772	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	BARIUM (TOTAL)	6.2		0.678	0.678	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.13		0.0188	0.0188	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	BORON (TOTAL)	3.2		1.2	1.52	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.1		0.0376	0.0376	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	CALCIUM (TOTAL)	37.2	J	33.9	33.9	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	CHROMIUM (TOTAL)	4.4		0.2	0.264	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	COBALT (TOTAL)	1.5		0.226	0.226	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	COPPER (TOTAL)	3.1		0.471	0.471	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	IRON (TOTAL)	4500		3.5	6.98	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	LEAD (TOTAL)	3.1		0.2	0.245	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	515		35.6	35.6	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	MANGANESE (TOTAL)	41.8		0.0565	0.0565	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	NICKEL (TOTAL)	2.5		0.245	0.245	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	POTASSIUM (TOTAL)	318	J	67.6	67.6	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	VANADIUM (TOTAL)	8		0.264	0.264	mg/Kg
SS102FB	AQ306	5/8/2001	CL200.7	ZINC (TOTAL)	7.6		0.4	0.903	mg/Kg
SS102FB	AQ306	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	3	J	1.5	2.41	mg/Kg
SS102FB	AQ306	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.0043	0.01	mg/Kg
SS102FB	AQ306	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	70.5	J	1	2.03	mg/Kg
SS102FB	AQ306	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	1800		0	0	mg/Kg
SS102FB	AQ306	5/8/2001	CVOL	ACETONE	26	J	4.04	8	ug/Kg
SS102FB	AQ306	5/8/2001	CVOL	BROMOFORM	1	J	1	8	ug/Kg
SS102FB	AQ306	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg
SS102FB	AQ307	5/8/2001	CL200.7	ALUMINUM (TOTAL)	5890		5.3	8.37	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.2		0.821	0.821	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	BARIUM (TOTAL)	9.5		0.721	0.721	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.14		0.02	0.02	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	BORON (TOTAL)	5.4		1.2	1.62	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.15		0.04	0.04	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	CALCIUM (TOTAL)	60.4	J	36	36	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	CHROMIUM (TOTAL)	7.5		0.2	0.28	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	COBALT (TOTAL)	2.6		0.24	0.24	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	COPPER (TOTAL)	3.6		0.501	0.501	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	IRON (TOTAL)	7210		3.5	7.43	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	LEAD (TOTAL)	4.9		0.2	0.26	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	907		37.8	37.8	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	MANGANESE (TOTAL)	67		0.0601	0.0601	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	NICKEL (TOTAL)	4.2		0.26	0.26	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	POTASSIUM (TOTAL)	472		71.9	71.9	mg/Kg
SS102FB	AQ307	5/8/2001	CL200.7	VANADIUM (TOTAL)	11.9		0.28	0.28	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FB	AQ307	5/8/2001	CL200.7	ZINC (TOTAL)	10.8		0.4	0.961	mg/Kg
SS102FB	AQ307	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.3	J	1.5	2.48	mg/Kg
SS102FB	AQ307	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.6	J	1	2.04	mg/Kg
SS102FB	AQ307	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	4420	J	0	0	mg/Kg
SS102FB	AQ307	5/8/2001	CVOL	ACETONE	36	J	4.04	9	ug/Kg
SS102FB	AQ307	5/8/2001	CVOL	BROMOFORM	1	J	1	9	ug/Kg
SS102FB	AQ308	5/8/2001	CL200.7	ALUMINUM (TOTAL)	6690		5.3	7.57	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.4		0.743	0.743	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	BARIUM (TOTAL)	10.5		0.652	0.652	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.16		0.0181	0.0181	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	BORON (TOTAL)	5.8		1.2	1.47	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.15		0.0362	0.0362	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	CALCIUM (TOTAL)	53	J	32.6	32.6	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	CHROMIUM (TOTAL)	9.4		0.2	0.254	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	COBALT (TOTAL)	3.1		0.217	0.217	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	COPPER (TOTAL)	4.8		0.453	0.453	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	IRON (TOTAL)	7860		3.5	6.72	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	LEAD (TOTAL)	4.8		0.2	0.235	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1160		34.2	34.2	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	MANGANESE (TOTAL)	63.3		0.0543	0.0543	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	NICKEL (TOTAL)	5.3		0.235	0.235	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	POTASSIUM (TOTAL)	525		65	65	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	VANADIUM (TOTAL)	13.2		0.254	0.254	mg/Kg
SS102FB	AQ308	5/8/2001	CL200.7	ZINC (TOTAL)	12.1		0.4	0.869	mg/Kg
SS102FB	AQ308	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	18.3		1.5	2.45	mg/Kg
SS102FB	AQ308	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	83.8	J	1	2.16	mg/Kg
SS102FB	AQ308	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	2120		0	0	mg/Kg
SS102FB	AQ308	5/8/2001	CVOL	ACETONE	49	J	4.04	10	ug/Kg
SS102FB	AQ308	5/8/2001	CVOL	BROMOFORM	2	J	1.15	10	ug/Kg
SS102FB	AQ309	5/8/2001	CL200.7	ALUMINUM (TOTAL)	9510		5.3	7.92	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	ARSENIC (TOTAL)	3.3		0.777	0.777	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	BARIUM (TOTAL)	13.6		0.682	0.682	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.22		0.0189	0.0189	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	BORON (TOTAL)	8.6		1.2	1.53	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.25		0.0379	0.0379	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	CALCIUM (TOTAL)	77.4		34.1	34.1	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	CHROMIUM (TOTAL)	12.1		0.2	0.265	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	COBALT (TOTAL)	4.5		0.227	0.227	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	COPPER (TOTAL)	6.1		0.474	0.474	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	IRON (TOTAL)	12000		3.5	7.03	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	LEAD (TOTAL)	6.1		0.2	0.246	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1580		35.8	35.8	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FB	AQ309	5/8/2001	CL200.7	MANGANESE (TOTAL)	124		0.0568	0.0568	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	MOLYBDENUM (TOTAL)	0.23	J	0.227	0.227	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	NICKEL (TOTAL)	7		0.246	0.246	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	POTASSIUM (TOTAL)	730		68	68	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	VANADIUM (TOTAL)	17.6		0.265	0.265	mg/Kg
SS102FB	AQ309	5/8/2001	CL200.7	ZINC (TOTAL)	21.8		0.4	0.909	mg/Kg
SS102FB	AQ309	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	1.5	2.58	mg/Kg
SS102FB	AQ309	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	245	J	1	2.11	mg/Kg
SS102FB	AQ309	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	1600	J	0	0	mg/Kg
SS102FB	AQ309	5/8/2001	CVOL	ACETONE	42	J	4.04	11	ug/Kg
SS102FB	AQ309	5/8/2001	CVOL	BROMOFORM	2	J	1.15	11	ug/Kg
SS102FB	AQ309	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	11	ug/Kg
SS102FB	AQ310	5/8/2001	CL200.7	ALUMINUM (TOTAL)	4900		5.3	7.81	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	ARSENIC (TOTAL)	1.6		0.766	0.766	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	BARIUM (TOTAL)	8.7		0.673	0.673	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0187	0.0187	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	BORON (TOTAL)	5		1.2	1.51	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.12		0.0374	0.0374	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	CALCIUM (TOTAL)	42.3	J	33.6	33.6	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	CHROMIUM (TOTAL)	7.3		0.2	0.262	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	COBALT (TOTAL)	2.5		0.224	0.224	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	COPPER (TOTAL)	6		0.467	0.467	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	IRON (TOTAL)	6460		3.5	6.93	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	LEAD (TOTAL)	4.4		0.2	0.243	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	791		35.3	35.3	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	MANGANESE (TOTAL)	75.4		0.0561	0.0561	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	MOLYBDENUM (TOTAL)	0.63	J	0.224	0.224	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	NICKEL (TOTAL)	6		0.243	0.243	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	POTASSIUM (TOTAL)	449		67.1	67.1	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	VANADIUM (TOTAL)	10.2		0.262	0.262	mg/Kg
SS102FB	AQ310	5/8/2001	CL200.7	ZINC (TOTAL)	9.6		0.4	0.897	mg/Kg
SS102FB	AQ310	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.8	J	1.5	2.45	mg/Kg
SS102FB	AQ310	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	112	J	1	1.89	mg/Kg
SS102FB	AQ310	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	5270		0	0	mg/Kg
SS102FB	AQ310	5/8/2001	CVOL	ACETONE	43	J	4.04	12	ug/Kg
SS102FB	AQ310	5/8/2001	CVOL	BROMOFORM	2	J	1.15	12	ug/Kg
SS102FB	AQ311	5/8/2001	CL200.7	ALUMINUM (TOTAL)	4840		5.3	7.58	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	ARSENIC (TOTAL)	1.5	J	0.743	0.743	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	BARIUM (TOTAL)	8.8		0.653	0.653	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0181	0.0181	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	BORON (TOTAL)	4.6		1.2	1.47	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.11		0.0363	0.0363	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FB	AQ311	5/8/2001	CL200.7	CALCIUM (TOTAL)	42.5	J	32.6	32.6	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	CHROMIUM (TOTAL)	6.2		0.2	0.254	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	COBALT (TOTAL)	2.5		0.218	0.218	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	COPPER (TOTAL)	4.7		0.453	0.453	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	IRON (TOTAL)	6100		3.5	6.73	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	LEAD (TOTAL)	3.9		0.2	0.236	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	878		34.3	34.3	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	MANGANESE (TOTAL)	63.8		0.0544	0.0544	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	NICKEL (TOTAL)	4.3		0.236	0.236	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	POTASSIUM (TOTAL)	482		65.1	65.1	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	VANADIUM (TOTAL)	10		0.254	0.254	mg/Kg
SS102FB	AQ311	5/8/2001	CL200.7	ZINC (TOTAL)	10.3		0.4	0.87	mg/Kg
SS102FB	AQ311	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.6	J	1.5	2.27	mg/Kg
SS102FB	AQ311	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	106	J	1	2	mg/Kg
SS102FB	AQ311	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	1310		0	0	mg/Kg
SS102FB	AQ311	5/8/2001	CVOL	BROMOFORM	1	J	1	9	ug/Kg
SS102FB	AQ312	5/8/2001	CL200.7	ALUMINUM (TOTAL)	6820		5.3	8.69	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.1		0.853	0.853	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	BARIUM (TOTAL)	11.6		0.749	0.749	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0208	0.0208	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	BORON (TOTAL)	6.7		1.2	1.68	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.22		0.0416	0.0416	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	CALCIUM (TOTAL)	54.9	J	37.4	37.4	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	CHROMIUM (TOTAL)	10		0.2	0.291	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	COBALT (TOTAL)	2.9		0.25	0.25	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	COPPER (TOTAL)	8.5		0.52	0.52	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	IRON (TOTAL)	9230		3.5	7.71	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	LEAD (TOTAL)	6.4		0.2	0.27	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	963		39.3	39.3	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	MANGANESE (TOTAL)	84.2		0.0624	0.0624	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	MOLYBDENUM (TOTAL)	2.4		0.25	0.25	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	NICKEL (TOTAL)	8.5		0.27	0.27	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	POTASSIUM (TOTAL)	550		74.6	74.6	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	VANADIUM (TOTAL)	13.6		0.291	0.291	mg/Kg
SS102FB	AQ312	5/8/2001	CL200.7	ZINC (TOTAL)	12.6		0.4	0.998	mg/Kg
SS102FB	AQ312	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.9	J	1.5	2.66	mg/Kg
SS102FB	AQ312	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92.3	J	1	1.77	mg/Kg
SS102FB	AQ312	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	5250		0	0	mg/Kg
SS102FB	AQ312	5/8/2001	CVOL	ACETONE	60	J	4.04	11	ug/Kg
SS102FB	AQ312	5/8/2001	CVOL	BROMOFORM	1	J	1	11	ug/Kg
SS102FB	AQ312	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	11	ug/Kg
SS102FB	AQ313	5/8/2001	CL200.7	ALUMINUM (TOTAL)	5670		5.3	8.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FB	AQ313	5/8/2001	CL200.7	ARSENIC (TOTAL)	1.9		0.814	0.814	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	BARIUM (TOTAL)	9.6		0.715	0.715	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0199	0.0199	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	BORON (TOTAL)	5.1		1.2	1.61	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.18		0.0397	0.0397	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	CALCIUM (TOTAL)	40.1	J	35.8	35.8	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	CHROMIUM (TOTAL)	7		0.2	0.278	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	COBALT (TOTAL)	2.4		0.238	0.238	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	COPPER (TOTAL)	8.3		0.497	0.497	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	IRON (TOTAL)	7050		3.5	7.37	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	LEAD (TOTAL)	5.2		0.2	0.258	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	793		37.5	37.5	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	MANGANESE (TOTAL)	69.9		0.0596	0.0596	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	MOLYBDENUM (TOTAL)	1.2	J	0.238	0.238	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	NICKEL (TOTAL)	5		0.258	0.258	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	POTASSIUM (TOTAL)	498		71.3	71.3	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	VANADIUM (TOTAL)	10.7		0.278	0.278	mg/Kg
SS102FB	AQ313	5/8/2001	CL200.7	ZINC (TOTAL)	10.9		0.4	0.953	mg/Kg
SS102FB	AQ313	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.6	J	1.5	2.44	mg/Kg
SS102FB	AQ313	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	246	J	1	2.13	mg/Kg
SS102FB	AQ313	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	8790		0	0	mg/Kg
SS102FB	AQ313	5/8/2001	CVOL	ACETONE	51	J	4.04	13	ug/Kg
SS102FB	AQ313	5/8/2001	CVOL	BROMOFORM	2	J	1.15	13	ug/Kg
SS102FB	AQ313	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	13	ug/Kg
SS102FB	AQ314	5/8/2001	CL200.7	ALUMINUM (TOTAL)	4270		5.3	8.2	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	ARSENIC (TOTAL)	1.7		0.804	0.804	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	BARIUM (TOTAL)	7.9		0.706	0.706	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.13		0.0196	0.0196	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	BORON (TOTAL)	4.2		1.2	1.59	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.14		0.0392	0.0392	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	CALCIUM (TOTAL)	40.7	J	35.3	35.3	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	CHROMIUM (TOTAL)	5.4		0.2	0.275	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	COBALT (TOTAL)	2.2		0.235	0.235	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	COPPER (TOTAL)	3.3		0.49	0.49	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	IRON (TOTAL)	5360		3.5	7.28	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	LEAD (TOTAL)	4.3		0.2	0.255	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	656		37.1	37.1	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	MANGANESE (TOTAL)	51.1		0.0588	0.0588	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	NICKEL (TOTAL)	3.2		0.255	0.255	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	POTASSIUM (TOTAL)	460		70.4	70.4	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	VANADIUM (TOTAL)	8.8		0.275	0.275	mg/Kg
SS102FB	AQ314	5/8/2001	CL200.7	ZINC (TOTAL)	8.1		0.4	0.941	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FB	AQ314	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	4	J	1.5	2.45	mg/Kg
SS102FB	AQ314	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.0043	0.01	mg/Kg
SS102FB	AQ314	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	82.7	J	1	1.81	mg/Kg
SS102FB	AQ314	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	1260		0	0	mg/Kg
SS102FB	AQ314	5/8/2001	CVOL	ACETONE	34	J	4.04	12	ug/Kg
SS102FB	AQ314	5/8/2001	CVOL	BROMOFORM	2	J	1.15	12	ug/Kg
SS102FB	AQ315	5/8/2001	CL200.7	ALUMINUM (TOTAL)	4650		5.3	7.64	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.2		0.749	0.749	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	BARIUM (TOTAL)	8.2		0.658	0.658	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0183	0.0183	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.14		0.0365	0.0365	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	CHROMIUM (TOTAL)	6.6		0.2	0.256	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	COBALT (TOTAL)	3.1		0.219	0.219	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	COPPER (TOTAL)	6.1		0.457	0.457	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	IRON (TOTAL)	6500		3.5	6.78	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	LEAD (TOTAL)	4.6	J	0.2	0.238	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	941		82.5	122	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	MANGANESE (TOTAL)	121		0.2	0.713	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	MOLYBDENUM (TOTAL)	0.25	J	0.219	0.219	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	NICKEL (TOTAL)	5.7		0.238	0.238	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	POTASSIUM (TOTAL)	361		65.6	65.6	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	VANADIUM (TOTAL)	9.2		0.9	2.05	mg/Kg
SS102FB	AQ315	5/8/2001	CL200.7	ZINC (TOTAL)	12.9		0.4	0.877	mg/Kg
SS102FB	AQ315	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	63.2	J	1	2.04	mg/Kg
SS102FB	AQ315	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	798		0	0	mg/Kg
SS102FB	AQ315	5/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	340	ug/Kg
SS102FB	AQ315	5/8/2001	CVOL	ACETONE	46	J	4.04	12	ug/Kg
SS102FB	AQ315	5/8/2001	CVOL	BROMOFORM	2	J	1.15	12	ug/Kg
SS102FB	AQ315	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	12	ug/Kg
SS102FB	AQ316	5/8/2001	CL200.7	ALUMINUM (TOTAL)	4220		5.3	7.83	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	ARSENIC (TOTAL)	1.7		0.768	0.768	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	BARIUM (TOTAL)	7		0.674	0.674	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.18		0.0187	0.0187	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.11		0.0374	0.0374	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	CHROMIUM (TOTAL)	6.3		0.2	0.262	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	COBALT (TOTAL)	2.9		0.225	0.225	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	COPPER (TOTAL)	6		0.468	0.468	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	IRON (TOTAL)	6780		3.5	6.95	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	LEAD (TOTAL)	4.4	J	0.2	0.243	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	838		82.5	125	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	MANGANESE (TOTAL)	73.3		0.2	0.73	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	NICKEL (TOTAL)	4.4		0.243	0.243	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FB	AQ316	5/8/2001	CL200.7	POTASSIUM (TOTAL)	346		67.2	67.2	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	VANADIUM (TOTAL)	9.9		0.9	2.1	mg/Kg
SS102FB	AQ316	5/8/2001	CL200.7	ZINC (TOTAL)	10.7		0.4	0.899	mg/Kg
SS102FB	AQ316	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.0043	0.01	mg/Kg
SS102FB	AQ316	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	59.3	J	1	1.72	mg/Kg
SS102FB	AQ316	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	1070		0	0	mg/Kg
SS102FB	AQ316	5/8/2001	CVOL	ACETONE	34	J	4.04	10	ug/Kg
SS102FB	AQ316	5/8/2001	CVOL	BROMOFORM	2	J	1.15	10	ug/Kg
SS102FB	AQ316	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	10	ug/Kg
SS102FB	AQ317	5/8/2001	CL200.7	ALUMINUM (TOTAL)	7670		5.3	7.6	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.5		0.746	0.746	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	BARIUM (TOTAL)	12.4		0.655	0.655	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.26		0.0182	0.0182	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	BORON (TOTAL)	1.5	J	1.2	1.47	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.14		0.0364	0.0364	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	CALCIUM (TOTAL)	134	J	98	131	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	CHROMIUM (TOTAL)	9.2		0.2	0.255	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	COBALT (TOTAL)	4.1		0.218	0.218	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	COPPER (TOTAL)	5.9		0.455	0.455	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	IRON (TOTAL)	9820		3.5	6.75	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	LEAD (TOTAL)	5.7		0.2	0.237	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1730		82.5	121	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	MANGANESE (TOTAL)	88.4		0.2	0.709	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	NICKEL (TOTAL)	6.4		0.237	0.237	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	POTASSIUM (TOTAL)	967		65.3	65.3	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	VANADIUM (TOTAL)	13.8		0.9	2.04	mg/Kg
SS102FB	AQ317	5/8/2001	CL200.7	ZINC (TOTAL)	17.4		0.4	0.873	mg/Kg
SS102FB	AQ317	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.4	J	1.5	2.37	mg/Kg
SS102FB	AQ317	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	64.6	J	1	2.08	mg/Kg
SS102FB	AQ317	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	4830		0	0	mg/Kg
SS102FB	AQ317	5/8/2001	CVOL	BROMOFORM	2	J	1.15	8	ug/Kg
SS102FB	AQ317	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	8	ug/Kg
SS102FB	AQ318	5/8/2001	CL200.7	ALUMINUM (TOTAL)	2990		5.3	8.18	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	ARSENIC (TOTAL)	1.3	J	0.802	0.802	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	BARIUM (TOTAL)	5.4		0.704	0.704	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.16		0.0196	0.0196	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.13		0.0391	0.0391	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	CHROMIUM (TOTAL)	4.1	J	0.2	0.274	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	COBALT (TOTAL)	1.9		0.235	0.235	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	COPPER (TOTAL)	7.2		0.489	0.489	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	IRON (TOTAL)	5270		3.5	7.26	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	LEAD (TOTAL)	3.5	J	0.2	0.254	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FB	AQ318	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	558		82.5	130	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	MANGANESE (TOTAL)	57.3		0.2	0.763	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	MOLYBDENUM (TOTAL)	0.93	J	0.235	0.235	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	NICKEL (TOTAL)	3.7		0.254	0.254	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	POTASSIUM (TOTAL)	286		70.2	70.2	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	VANADIUM (TOTAL)	7.1		0.9	2.19	mg/Kg
SS102FB	AQ318	5/8/2001	CL200.7	ZINC (TOTAL)	8.7		0.4	0.939	mg/Kg
SS102FB	AQ318	5/8/2001	CPEST	P,P'-DDT	1.5	J	1.5	3.3	ug/Kg
SS102FB	AQ318	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.0043	0.01	mg/Kg
SS102FB	AQ318	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.6	J	1	1.85	mg/Kg
SS102FB	AQ318	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	477	J	0	0	mg/Kg
SS102FB	AQ318	5/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	16	J	16	340	ug/Kg
SS102FB	AQ318	5/8/2001	CVOL	BROMOFORM	2	J	1.15	8	ug/Kg
SS102FC	AQ319	5/8/2001	CL200.7	ALUMINUM (TOTAL)	6550		5.3	9.16	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.6		0.898	0.898	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	BARIUM (TOTAL)	9		0.789	0.789	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.19		0.0219	0.0219	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.15		0.0438	0.0438	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	CHROMIUM (TOTAL)	8.4		0.2	0.307	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	COBALT (TOTAL)	3.4		0.263	0.263	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	COPPER (TOTAL)	4.6		0.548	0.548	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	IRON (TOTAL)	8060		3.5	8.13	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	LEAD (TOTAL)	6.2	J	0.2	0.285	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1060		82.5	146	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	MANGANESE (TOTAL)	79.2		0.2	0.854	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	NICKEL (TOTAL)	5.1		0.285	0.285	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	POTASSIUM (TOTAL)	429		78.7	78.7	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	VANADIUM (TOTAL)	12.5		0.9	2.45	mg/Kg
SS102FC	AQ319	5/8/2001	CL200.7	ZINC (TOTAL)	13.9		0.4	1.05	mg/Kg
SS102FC	AQ319	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	1.5	2.61	mg/Kg
SS102FC	AQ319	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102FC	AQ319	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	67.1	J	1	2.07	mg/Kg
SS102FC	AQ319	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	7380		0	0	mg/Kg
SS102FC	AQ319	5/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23	J	23	360	ug/Kg
SS102FC	AQ319	5/8/2001	CVOL	ACETONE	95	J	4.04	12	ug/Kg
SS102FC	AQ319	5/8/2001	CVOL	BROMOFORM	1	J	1	12	ug/Kg
SS102FC	AQ319	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	12	ug/Kg
SS102FC	AQ320	5/8/2001	CL200.7	ALUMINUM (TOTAL)	7890		5.3	8.32	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.5		0.816	0.816	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	BARIUM (TOTAL)	11.9		0.716	0.716	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.23		0.0199	0.0199	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.13		0.0398	0.0398	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FC	AQ320	5/8/2001	CL200.7	CALCIUM (TOTAL)	148	J	98	144	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	CHROMIUM (TOTAL)	9.9		0.2	0.279	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	COBALT (TOTAL)	4.7		0.239	0.239	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	COPPER (TOTAL)	5.4		0.498	0.498	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	IRON (TOTAL)	9660		3.5	7.38	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	LEAD (TOTAL)	6.5	J	0.2	0.259	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1360		82.5	132	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	MANGANESE (TOTAL)	118		0.2	0.776	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	MOLYBDENUM (TOTAL)	0.37	J	0.239	0.239	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	NICKEL (TOTAL)	6.3		0.259	0.259	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	POTASSIUM (TOTAL)	624		71.4	71.4	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	VANADIUM (TOTAL)	14.6		0.9	2.23	mg/Kg
SS102FC	AQ320	5/8/2001	CL200.7	ZINC (TOTAL)	14.3		0.4	0.955	mg/Kg
SS102FC	AQ320	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.0043	0.01	mg/Kg
SS102FC	AQ320	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	46.7	J	1	1.94	mg/Kg
SS102FC	AQ320	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	3970		0	0	mg/Kg
SS102FC	AQ320	5/8/2001	CVOL	ACETONE	190		4.04	13	ug/Kg
SS102FC	AQ320	5/8/2001	CVOL	BROMOFORM	2	J	1.15	13	ug/Kg
SS102FC	AQ320	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	4.56	13	ug/Kg
SS102FC	AQ320	5/8/2001	CVOL	TOLUENE	2	J	1.17	13	ug/Kg
SS102FC	AQ321	5/8/2001	CL200.7	ALUMINUM (TOTAL)	8000		5.3	8.08	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.7		0.792	0.792	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	BARIUM (TOTAL)	11.1		0.696	0.696	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.21		0.0193	0.0193	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.13		0.0386	0.0386	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	CHROMIUM (TOTAL)	9.6		0.2	0.271	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	COBALT (TOTAL)	3.5		0.232	0.232	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	COPPER (TOTAL)	5.2		0.483	0.483	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	IRON (TOTAL)	9420		3.5	7.17	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	LEAD (TOTAL)	7.5	J	0.2	0.251	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1220		82.5	128	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	MANGANESE (TOTAL)	84.7		0.2	0.754	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	NICKEL (TOTAL)	5.5		0.251	0.251	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	POTASSIUM (TOTAL)	429		69.4	69.4	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	VANADIUM (TOTAL)	14.5		0.9	2.16	mg/Kg
SS102FC	AQ321	5/8/2001	CL200.7	ZINC (TOTAL)	13.9		0.4	0.928	mg/Kg
SS102FC	AQ321	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.8	J	1.5	2.53	mg/Kg
SS102FC	AQ321	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.08	J	0.0043	0.01	mg/Kg
SS102FC	AQ321	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.3	J	1	2.06	mg/Kg
SS102FC	AQ321	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	7510		0	0	mg/Kg
SS102FC	AQ321	5/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	21	J	21	360	ug/Kg
SS102FC	AQ321	5/8/2001	CVOL	ACETONE	60	J	4.04	10	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FC	AQ321	5/8/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102FC	AQ321	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	10	ug/Kg
SS102FC	AQ322	5/8/2001	CL200.7	ALUMINUM (TOTAL)	10800		5.3	9.04	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	ANTIMONY (TOTAL)	0.7	J	0.67	0.67	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	ARSENIC (TOTAL)	3.5		0.887	0.887	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	BARIUM (TOTAL)	14.4		0.778	0.778	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.27		0.0216	0.0216	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.19		0.0432	0.0432	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	CHROMIUM (TOTAL)	13.4		0.2	0.303	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	COBALT (TOTAL)	4.8		0.26	0.26	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	COPPER (TOTAL)	6.1		0.541	0.541	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	IRON (TOTAL)	12900		3.5	8.02	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	LEAD (TOTAL)	7.7	J	0.2	0.281	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1710		82.5	144	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	MANGANESE (TOTAL)	98.8		0.2	0.843	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	NICKEL (TOTAL)	8.4		0.281	0.281	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	POTASSIUM (TOTAL)	729		77.6	77.6	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	VANADIUM (TOTAL)	20.2		0.9	2.42	mg/Kg
SS102FC	AQ322	5/8/2001	CL200.7	ZINC (TOTAL)	16.7		0.4	1.04	mg/Kg
SS102FC	AQ322	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.3	J	1.5	2.6	mg/Kg
SS102FC	AQ322	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102FC	AQ322	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93.3	J	1	1.92	mg/Kg
SS102FC	AQ322	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	6700		0	0	mg/Kg
SS102FC	AQ322	5/8/2001	SW8151A	ACIFLUORFEN	7	J	5.3	5.3	ug/Kg
SS102FC	AQ322	5/8/2001	CVOL	ACETONE	100	J	4.04	16	ug/Kg
SS102FC	AQ322	5/8/2001	CVOL	BROMOFORM	2	J	1.15	16	ug/Kg
SS102FC	AQ322	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	16	ug/Kg
SS102FC	AQ323	5/8/2001	CL200.7	ALUMINUM (TOTAL)	12400		5.3	9.41	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	ARSENIC (TOTAL)	4.1		0.9	0.923	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	BARIUM (TOTAL)	15		0.81	0.81	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.26		0.0225	0.0225	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	BORON (TOTAL)	1.9	J	1.2	1.82	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.19		0.045	0.045	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	CALCIUM (TOTAL)	181	J	98	162	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	CHROMIUM (TOTAL)	15.2		0.2	0.315	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	COBALT (TOTAL)	4.9		0.27	0.27	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	COPPER (TOTAL)	6.2		0.563	0.563	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	IRON (TOTAL)	13900		3.5	8.35	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	LEAD (TOTAL)	8.2	J	0.2	0.293	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1870		82.5	150	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	MANGANESE (TOTAL)	98.9		0.2	0.878	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	MOLYBDENUM (TOTAL)	0.3	J	0.27	0.27	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FC	AQ323	5/8/2001	CL200.7	NICKEL (TOTAL)	8.3		0.293	0.293	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	POTASSIUM (TOTAL)	663		80.8	80.8	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	VANADIUM (TOTAL)	22.9		0.9	2.52	mg/Kg
SS102FC	AQ323	5/8/2001	CL200.7	ZINC (TOTAL)	18.7		0.4	1.08	mg/Kg
SS102FC	AQ323	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.5	J	1.5	2.72	mg/Kg
SS102FC	AQ323	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73.8	J	1	2.23	mg/Kg
SS102FC	AQ323	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	6760		0	0	mg/Kg
SS102FC	AQ323	5/8/2001	SW8151A	ACIFLUORFEN	11	J	5.6	5.6	ug/Kg
SS102FC	AQ323	5/8/2001	CVOL	ACETONE	220	J	4.04	14	ug/Kg
SS102FC	AQ323	5/8/2001	CVOL	BROMOFORM	2	J	1.15	14	ug/Kg
SS102FC	AQ323	5/8/2001	CVOL	BROMOMETHANE	3	J	1.66	14	ug/Kg
SS102FC	AQ323	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	4.56	14	ug/Kg
SS102FC	AQ323	5/8/2001	CVOL	TOLUENE	1	J	1	14	ug/Kg
SS102FC	AQ324	5/8/2001	CL200.7	ALUMINUM (TOTAL)	10500		5.3	9.05	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	ARSENIC (TOTAL)	3.3		0.888	0.888	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	BARIUM (TOTAL)	12.1		0.78	0.78	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.22		0.0217	0.0217	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.2		0.0433	0.0433	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	CHROMIUM (TOTAL)	13		0.2	0.303	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	COBALT (TOTAL)	4.2		0.26	0.26	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	COPPER (TOTAL)	5.8		0.542	0.542	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	IRON (TOTAL)	11700		3.5	8.04	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	LEAD (TOTAL)	7.8	J	0.2	0.282	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1750		82.5	144	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	MANGANESE (TOTAL)	84.9		0.2	0.845	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	NICKEL (TOTAL)	7.1		0.282	0.282	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	POTASSIUM (TOTAL)	601		77.8	77.8	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	VANADIUM (TOTAL)	18.1		0.9	2.43	mg/Kg
SS102FC	AQ324	5/8/2001	CL200.7	ZINC (TOTAL)	18.1		0.4	1.04	mg/Kg
SS102FC	AQ324	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	1.5	2.68	mg/Kg
SS102FC	AQ324	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.06	J	0.0043	0.01	mg/Kg
SS102FC	AQ324	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	78.7	J	1	2.3	mg/Kg
SS102FC	AQ324	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	6260		0	0	mg/Kg
SS102FC	AQ324	5/8/2001	SW8151A	ACIFLUORFEN	6.6	J	5.5	5.5	ug/Kg
SS102FC	AQ324	5/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	380	ug/Kg
SS102FC	AQ324	5/8/2001	CVOL	ACETONE	130	J	4.04	12	ug/Kg
SS102FC	AQ324	5/8/2001	CVOL	BROMOFORM	1	J	1	12	ug/Kg
SS102FC	AQ324	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	12	ug/Kg
SS102FC	AQ324	5/8/2001	CVOL	TOLUENE	6	J	1.17	12	ug/Kg
SS102FC	AQ325	5/8/2001	CL200.7	ALUMINUM (TOTAL)	7790		5.3	8.08	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.7		0.792	0.792	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	BARIUM (TOTAL)	10.9		0.696	0.696	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FC	AQ325	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.23		0.0193	0.0193	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.16		0.0387	0.0387	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	CHROMIUM (TOTAL)	9.7		0.2	0.271	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	COBALT (TOTAL)	5.1		0.232	0.232	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	COPPER (TOTAL)	5.6		0.483	0.483	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	IRON (TOTAL)	9400		3.5	7.17	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	LEAD (TOTAL)	6	J	0.2	0.251	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1430		82.5	129	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	MANGANESE (TOTAL)	113		0.2	0.754	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	NICKEL (TOTAL)	6.2		0.251	0.251	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	POTASSIUM (TOTAL)	616		69.4	69.4	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	VANADIUM (TOTAL)	14		0.9	2.16	mg/Kg
SS102FC	AQ325	5/8/2001	CL200.7	ZINC (TOTAL)	14.2		0.4	0.928	mg/Kg
SS102FC	AQ325	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.18	J	0.0043	0.01	mg/Kg
SS102FC	AQ325	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	69.9	J	1	1.93	mg/Kg
SS102FC	AQ325	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	6180	J	0	0	mg/Kg
SS102FC	AQ325	5/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	360	ug/Kg
SS102FC	AQ325	5/8/2001	CVOL	ACETONE	120	J	4.04	10	ug/Kg
SS102FC	AQ325	5/8/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102FC	AQ325	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	10	ug/Kg
SS102FC	AQ326	5/8/2001	CL200.7	ALUMINUM (TOTAL)	9070		5.3	8.87	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	ARSENIC (TOTAL)	3.2		0.87	0.87	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	BARIUM (TOTAL)	12.1		0.764	0.764	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.24		0.0212	0.0212	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.16		0.0425	0.0425	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	CHROMIUM (TOTAL)	11.2		0.2	0.297	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	COBALT (TOTAL)	4.1		0.255	0.255	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	COPPER (TOTAL)	5.7		0.531	0.531	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	IRON (TOTAL)	10800		3.5	7.87	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	LEAD (TOTAL)	8.1	J	0.2	0.276	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1450		82.5	141	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	MANGANESE (TOTAL)	89.8		0.2	0.828	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	NICKEL (TOTAL)	6.1		0.276	0.276	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	POTASSIUM (TOTAL)	557		76.2	76.2	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	VANADIUM (TOTAL)	16.9		0.9	2.38	mg/Kg
SS102FC	AQ326	5/8/2001	CL200.7	ZINC (TOTAL)	15.8		0.4	1.02	mg/Kg
SS102FC	AQ326	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	1.5	2.65	mg/Kg
SS102FC	AQ326	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.12	J	0.0043	0.01	mg/Kg
SS102FC	AQ326	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	61.7	J	1	2.01	mg/Kg
SS102FC	AQ326	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	10100		0	0	mg/Kg
SS102FC	AQ326	5/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19	J	19	360	ug/Kg
SS102FC	AQ326	5/8/2001	CVOL	ACETONE	110	J	4.04	17	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FC	AQ326	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	4.56	17	ug/Kg
SS102FC	AQ327	5/8/2001	CL200.7	ALUMINUM (TOTAL)	12700		5.3	8.78	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	ARSENIC (TOTAL)	3.8		0.861	0.861	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	BARIUM (TOTAL)	13.4		0.756	0.756	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.26		0.021	0.021	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.22		0.042	0.042	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	CHROMIUM (TOTAL)	14.8		0.2	0.294	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	COBALT (TOTAL)	6		0.252	0.252	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	COPPER (TOTAL)	9.5		0.525	0.525	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	IRON (TOTAL)	14200		3.5	7.79	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	LEAD (TOTAL)	8.2	J	0.2	0.273	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1710		82.5	140	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	MANGANESE (TOTAL)	84.3		0.2	0.819	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	NICKEL (TOTAL)	7.5		0.273	0.273	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	POTASSIUM (TOTAL)	593		75.4	75.4	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	VANADIUM (TOTAL)	20.7		0.9	2.35	mg/Kg
SS102FC	AQ327	5/8/2001	CL200.7	ZINC (TOTAL)	17		0.4	1.01	mg/Kg
SS102FC	AQ327	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.6	J	1.5	2.66	mg/Kg
SS102FC	AQ327	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102FC	AQ327	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.8	J	1	2.16	mg/Kg
SS102FC	AQ327	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	6570		0	0	mg/Kg
SS102FC	AQ327	5/8/2001	CVOL	ACETONE	140	J	4.04	10	ug/Kg
SS102FC	AQ327	5/8/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102FC	AQ327	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	10	ug/Kg
SS102FC	AQ327	5/8/2001	CVOL	TOLUENE	2	J	1.17	10	ug/Kg
SS102FC	AQ328	5/8/2001	CL200.7	ALUMINUM (TOTAL)	15000		5.3	9.64	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	ANTIMONY (TOTAL)	0.79	J	0.715	0.715	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	ARSENIC (TOTAL)	4.9		0.9	0.945	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	BARIUM (TOTAL)	16.6		0.83	0.83	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.3		0.0231	0.0231	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	BORON (TOTAL)	2.1	J	1.2	1.87	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.21		0.0461	0.0461	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	CALCIUM (TOTAL)	173	J	98	166	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	CHROMIUM (TOTAL)	17.6		0.2	0.323	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	COBALT (TOTAL)	5.8		0.277	0.277	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	COPPER (TOTAL)	7.9		0.576	0.576	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	IRON (TOTAL)	16500		3.5	8.55	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	LEAD (TOTAL)	9.4	J	0.2	0.3	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	2110		82.5	153	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	MANGANESE (TOTAL)	103		0.2	0.899	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	MOLYBDENUM (TOTAL)	0.28	J	0.277	0.277	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	NICKEL (TOTAL)	9.4		0.3	0.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FC	AQ328	5/8/2001	CL200.7	POTASSIUM (TOTAL)	748		82.8	82.8	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	VANADIUM (TOTAL)	24.1		0.9	2.58	mg/Kg
SS102FC	AQ328	5/8/2001	CL200.7	ZINC (TOTAL)	21.4		0.4	1.11	mg/Kg
SS102FC	AQ328	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.4	J	1.5	2.77	mg/Kg
SS102FC	AQ328	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102FC	AQ328	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92.6	J	1	2.2	mg/Kg
SS102FC	AQ328	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	10100		0	0	mg/Kg
SS102FC	AQ328	5/8/2001	CVOL	ACETONE	370	J	4.04	12	ug/Kg
SS102FC	AQ328	5/8/2001	CVOL	BROMOFORM	2	J	1.15	12	ug/Kg
SS102FC	AQ328	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	18	J	4.56	12	ug/Kg
SS102FC	AQ328	5/8/2001	CVOL	TOLUENE	1	J	1	12	ug/Kg
SS102FC	AQ329	5/8/2001	CL200.7	ALUMINUM (TOTAL)	12700		5.3	9.62	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	ARSENIC (TOTAL)	4.4		0.9	0.943	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	BARIUM (TOTAL)	14.4		0.828	0.828	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.26		0.023	0.023	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.21		0.046	0.046	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	CALCIUM (TOTAL)	194	J	98	166	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	CHROMIUM (TOTAL)	14.9		0.2	0.322	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	COBALT (TOTAL)	4.8		0.276	0.276	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	COPPER (TOTAL)	6.4		0.575	0.575	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	IRON (TOTAL)	14600		3.5	8.54	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	LEAD (TOTAL)	8.5	J	0.2	0.299	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1820		82.5	153	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	MANGANESE (TOTAL)	89.5		0.2	0.897	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	NICKEL (TOTAL)	8		0.299	0.299	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	POTASSIUM (TOTAL)	690		82.6	82.6	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	VANADIUM (TOTAL)	22.2		0.9	2.58	mg/Kg
SS102FC	AQ329	5/8/2001	CL200.7	ZINC (TOTAL)	17.5		0.4	1.1	mg/Kg
SS102FC	AQ329	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.3	J	1.5	2.68	mg/Kg
SS102FC	AQ329	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	82.5	J	1	1.91	mg/Kg
SS102FC	AQ329	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	8770	J	0	0	mg/Kg
SS102FC	AQ329	5/8/2001	CVOL	ACETONE	190	J	4.04	11	ug/Kg
SS102FC	AQ329	5/8/2001	CVOL	BROMOFORM	1	J	1	11	ug/Kg
SS102FC	AQ329	5/8/2001	CVOL	BROMOMETHANE	3	J	1.66	11	ug/Kg
SS102FC	AQ329	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	4.56	11	ug/Kg
SS102FC	AQ329	5/8/2001	CVOL	TOLUENE	6	J	1.17	11	ug/Kg
SS102FC	AQ330	5/8/2001	CL200.7	ALUMINUM (TOTAL)	7340		5.3	7.99	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.5		0.784	0.784	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	BARIUM (TOTAL)	9.5		0.688	0.688	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.21		0.0191	0.0191	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.13		0.0382	0.0382	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	CHROMIUM (TOTAL)	8.9		0.2	0.268	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FC	AQ330	5/8/2001	CL200.7	COBALT (TOTAL)	4.3		0.229	0.229	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	COPPER (TOTAL)	5.6		0.478	0.478	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	IRON (TOTAL)	8630		3.5	7.09	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	LEAD (TOTAL)	5.9	J	0.2	0.248	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1190		82.5	127	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	MANGANESE (TOTAL)	106		0.2	0.745	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	MOLYBDENUM (TOTAL)	0.27	J	0.229	0.229	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	NICKEL (TOTAL)	5.5		0.248	0.248	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	POTASSIUM (TOTAL)	492		68.6	68.6	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	VANADIUM (TOTAL)	13.1		0.9	2.14	mg/Kg
SS102FC	AQ330	5/8/2001	CL200.7	ZINC (TOTAL)	13.2		0.4	0.917	mg/Kg
SS102FC	AQ330	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.8	J	1.5	2.42	mg/Kg
SS102FC	AQ330	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102FC	AQ330	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73.9	J	1	2.2	mg/Kg
SS102FC	AQ330	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	5640	J	0	0	mg/Kg
SS102FC	AQ330	5/8/2001	CVOL	ACETONE	56	J	4.04	8	ug/Kg
SS102FC	AQ330	5/8/2001	CVOL	BROMOFORM	1	J	1	8	ug/Kg
SS102FC	AQ330	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	8	ug/Kg
SS102FC	AQ331	5/8/2001	CL200.7	ALUMINUM (TOTAL)	9740		5.3	8.8	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	ARSENIC (TOTAL)	3		0.864	0.864	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	BARIUM (TOTAL)	11.6		0.758	0.758	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.24		0.0211	0.0211	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.16		0.0421	0.0421	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	CHROMIUM (TOTAL)	11.4		0.2	0.295	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	COBALT (TOTAL)	5.1		0.253	0.253	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	COPPER (TOTAL)	5.7		0.527	0.527	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	IRON (TOTAL)	11100		3.5	7.81	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	LEAD (TOTAL)	6.4	J	0.2	0.274	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1540		82.5	140	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	MANGANESE (TOTAL)	99.8		0.2	0.821	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	NICKEL (TOTAL)	7		0.274	0.274	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	POTASSIUM (TOTAL)	628		75.6	75.6	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	VANADIUM (TOTAL)	16.3		0.9	2.36	mg/Kg
SS102FC	AQ331	5/8/2001	CL200.7	ZINC (TOTAL)	15.1		0.4	1.01	mg/Kg
SS102FC	AQ331	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.6	J	1.5	2.3	mg/Kg
SS102FC	AQ331	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.0043	0.01	mg/Kg
SS102FC	AQ331	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	72.2	J	1	2.01	mg/Kg
SS102FC	AQ331	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	5300		0	0	mg/Kg
SS102FC	AQ331	5/8/2001	CVOL	ACETONE	63	J	4.04	8	ug/Kg
SS102FC	AQ331	5/8/2001	CVOL	BROMOFORM	1	J	1	8	ug/Kg
SS102FC	AQ331	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	8	ug/Kg
SS102FC	AQ331	5/8/2001	CVOL	TOLUENE	0.9	J	0.9	8	ug/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FC	AQ332	5/8/2001	CL200.7	ALUMINUM (TOTAL)	10000		5.3	8.48	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	ARSENIC (TOTAL)	3.2		0.832	0.832	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	BARIUM (TOTAL)	12.5		0.731	0.731	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.23		0.0203	0.0203	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.17		0.0406	0.0406	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	CHROMIUM (TOTAL)	12.2		0.2	0.284	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	COBALT (TOTAL)	4.3		0.244	0.244	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	COPPER (TOTAL)	6.5		0.507	0.507	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	IRON (TOTAL)	11800		3.5	7.53	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	LEAD (TOTAL)	8	J	0.2	0.264	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1590		82.5	135	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	MANGANESE (TOTAL)	92.1		0.2	0.791	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	NICKEL (TOTAL)	6.7		0.264	0.264	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	POTASSIUM (TOTAL)	577		72.8	72.8	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	VANADIUM (TOTAL)	17.9		0.9	2.27	mg/Kg
SS102FC	AQ332	5/8/2001	CL200.7	ZINC (TOTAL)	17		0.4	0.974	mg/Kg
SS102FC	AQ332	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.9	J	1.5	2.68	mg/Kg
SS102FC	AQ332	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102FC	AQ332	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	67.5	J	1	1.76	mg/Kg
SS102FC	AQ332	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	6840		0	0	mg/Kg
SS102FC	AQ332	5/8/2001	CVOL	ACETONE	80	J	4.04	10	ug/Kg
SS102FC	AQ332	5/8/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102FC	AQ332	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	10	ug/Kg
SS102FC	AQ333	5/8/2001	CL200.7	ALUMINUM (TOTAL)	11900		5.3	9.1	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	ANTIMONY (TOTAL)	0.69	J	0.675	0.675	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	ARSENIC (TOTAL)	3.9		0.893	0.893	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	BARIUM (TOTAL)	13.7		0.784	0.784	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.25		0.0218	0.0218	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.17		0.0436	0.0436	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	CHROMIUM (TOTAL)	14.3		0.2	0.305	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	COBALT (TOTAL)	4.9		0.261	0.261	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	COPPER (TOTAL)	5.7		0.544	0.544	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	IRON (TOTAL)	13600		3.5	8.08	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	LEAD (TOTAL)	7.6	J	0.2	0.283	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1890		82.5	145	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	MANGANESE (TOTAL)	92.4		0.2	0.849	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	NICKEL (TOTAL)	7.8		0.283	0.283	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	POTASSIUM (TOTAL)	634		78.2	78.2	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	VANADIUM (TOTAL)	20.7		0.9	2.44	mg/Kg
SS102FC	AQ333	5/8/2001	CL200.7	ZINC (TOTAL)	17.8		0.4	1.05	mg/Kg
SS102FC	AQ333	5/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	10.9	J	1.5	2.81	mg/Kg
SS102FC	AQ333	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.0043	0.01	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102FC	AQ333	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	43.4	J	1	1.67	mg/Kg
SS102FC	AQ333	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	3740		0	0	mg/Kg
SS102FC	AQ333	5/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	31	J	31	400	ug/Kg
SS102FC	AQ333	5/8/2001	SW8270	PHENOL	23	J	23	400	ug/Kg
SS102FC	AQ333	5/8/2001	CVOL	ACETONE	140	J	4.04	13	ug/Kg
SS102FC	AQ333	5/8/2001	CVOL	BROMOFORM	1	J	1	13	ug/Kg
SS102FC	AQ333	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	13	ug/Kg
SS102FC	AQ333	5/8/2001	CVOL	TOLUENE	1	J	1	13	ug/Kg
SS102FC	AQ334	5/8/2001	CL200.7	ALUMINUM (TOTAL)	7420		5.3	7.98	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	ARSENIC (TOTAL)	2.8		0.783	0.783	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	BARIUM (TOTAL)	9.2		0.687	0.687	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0191	0.0191	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	CADMIUM (TOTAL)	0.14		0.0382	0.0382	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	CHROMIUM (TOTAL)	9.5		0.2	0.267	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	COBALT (TOTAL)	3.6		0.229	0.229	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	COPPER (TOTAL)	6.3		0.477	0.477	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	IRON (TOTAL)	9180		3.5	7.08	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	LEAD (TOTAL)	5.5	J	0.2	0.248	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	MAGNESIUM (TOTAL)	1350		82.5	127	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	MANGANESE (TOTAL)	94.8		0.2	0.744	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	NICKEL (TOTAL)	5.8		0.248	0.248	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	POTASSIUM (TOTAL)	458		68.5	68.5	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	VANADIUM (TOTAL)	14.5		0.9	2.14	mg/Kg
SS102FC	AQ334	5/8/2001	CL200.7	ZINC (TOTAL)	13.1		0.4	0.916	mg/Kg
SS102FC	AQ334	5/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102FC	AQ334	5/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	81.5	J	1	2.05	mg/Kg
SS102FC	AQ334	5/8/2001	LYDKHN	TOTAL ORGANIC CARBON	4240		0	0	mg/Kg
SS102FC	AQ334	5/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	54	J	54	370	ug/Kg
SS102FC	AQ334	5/8/2001	CVOL	ACETONE	110	J	4.04	10	ug/Kg
SS102FC	AQ334	5/8/2001	CVOL	BROMOFORM	2	J	1.15	10	ug/Kg
SS102FC	AQ334	5/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	10	ug/Kg
SS102FC	AQ334	5/8/2001	CVOL	TOLUENE	3	J	1.17	10	ug/Kg
SS102RA	AL231	10/26/2000	CL200.7	ALUMINUM (TOTAL)	8540		2.5	5.22	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	ANTIMONY (TOTAL)	0.55	J	0.441	0.441	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	BARIUM (TOTAL)	56.3		0.551	0.551	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.03	0.0367	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	CALCIUM (TOTAL)	1740		25.9	25.9	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	CHROMIUM (TOTAL)	55.8		0.0919	0.0919	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	COBALT (TOTAL)	7.6		0.165	0.165	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	COPPER (TOTAL)	20.6		0.239	0.239	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	IRON (TOTAL)	12600		4.21	4.3	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	LEAD (TOTAL)	4.5	J	0.294	0.294	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102RA	AL231	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	6560		23.3	23.3	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	MANGANESE (TOTAL)	142	J	0.08	0.11	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	NICKEL (TOTAL)	23.2		0.3	0.312	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	POTASSIUM (TOTAL)	2460		44	44	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	THALLIUM (TOTAL)	0.4	J	0.349	0.349	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	VANADIUM (TOTAL)	25.5		0.312	0.312	mg/Kg
SS102RA	AL231	10/26/2000	CL200.7	ZINC (TOTAL)	23.5		0.147	0.147	mg/Kg
SS102RA	AL231	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	12		0.02	0.02	mg/Kg
SS102RA	AL231	10/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.01	0.01	mg/Kg
SS102RA	AL231	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	342	J	0.01	0.01	mg/Kg
SS102RA	AL231	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	24200	J	0	0	mg/Kg
SS102RA	AL231	10/26/2000	SW8270	DI-N-BUTYL PHTHALATE	220	J	88.6	380	ug/Kg
SS102RA	AL231	10/26/2000	SW8270	N-NITROSODIPHENYLAMINE	280	J	74.5	380	ug/Kg
SS102RA	AL231	10/26/2000	CVOL	ACETONE	630	J	4.34	12	ug/Kg
SS102RA	AL231	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	35		1.8	12	ug/Kg
SS102RA	AL231	10/26/2000	CVOL	TOLUENE	2	J	0.32	12	ug/Kg
SS102RA	AL232	10/26/2000	CL200.7	ALUMINUM (TOTAL)	8720		2.5	6.43	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	ARSENIC (TOTAL)	3.8	J	0.566	0.566	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	BARIUM (TOTAL)	25.1		0.679	0.679	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.28		0.03	0.0452	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	CALCIUM (TOTAL)	581		29	31.9	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	CHROMIUM (TOTAL)	14.5		0.113	0.113	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	COBALT (TOTAL)	3.6		0.204	0.204	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	COPPER (TOTAL)	15.8		0.294	0.294	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	IRON (TOTAL)	11800		4.21	5.29	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	LEAD (TOTAL)	10.5	J	0.32	0.362	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	1670		28.1	28.7	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	MANGANESE (TOTAL)	76.7	J	0.08	0.136	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	NICKEL (TOTAL)	6.9		0.3	0.385	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	POTASSIUM (TOTAL)	833		47.2	54.1	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	THALLIUM (TOTAL)	1		0.43	0.43	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	VANADIUM (TOTAL)	16.8		0.36	0.385	mg/Kg
SS102RA	AL232	10/26/2000	CL200.7	ZINC (TOTAL)	16.4		0.181	0.181	mg/Kg
SS102RA	AL232	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	9.5	J	0.02	0.02	mg/Kg
SS102RA	AL232	10/26/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102RA	AL232	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114	J	0.01	0.01	mg/Kg
SS102RA	AL232	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	27800	J	0	0	mg/Kg
SS102RA	AL232	10/26/2000	SW8151A	PICLORAM	5.9	NJ	2.9	5.5	ug/Kg
SS102RA	AL232	10/26/2000	CVOL	ACETONE	330	J	4.34	12	ug/Kg
SS102RA	AL232	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	24	J	1.8	12	ug/Kg
SS102RA	AL232	10/26/2000	CVOL	TOLUENE	2	J	0.32	12	ug/Kg
SS102RA	AL233	10/26/2000	CL200.7	ALUMINUM (TOTAL)	9140		2.5	5.69	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102RA	AL233	10/26/2000	CL200.7	ARSENIC (TOTAL)	3	J	0.75	1.8	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	BARIUM (TOTAL)	17		0.601	0.601	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	BERYLLIUM (TOTAL)	0.25		0.03	0.04	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	CALCIUM (TOTAL)	305		28.2	28.2	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	CHROMIUM (TOTAL)	11.7		0.1	0.1	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	COBALT (TOTAL)	2.7		0.18	0.18	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	COPPER (TOTAL)	3.1		0.26	0.26	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	IRON (TOTAL)	11000		4.21	4.69	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	LEAD (TOTAL)	9.3	J	0.32	0.32	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	MAGNESIUM (TOTAL)	1100		25.4	25.4	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	MANGANESE (TOTAL)	57.7	J	0.08	0.12	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	MOLYBDENUM (TOTAL)	0.59		0.26	0.26	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	NICKEL (TOTAL)	5.4		0.3	0.34	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	POTASSIUM (TOTAL)	557		47.2	47.9	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	THALLIUM (TOTAL)	0.39	J	0.381	0.381	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	VANADIUM (TOTAL)	16.3		0.34	0.34	mg/Kg
SS102RA	AL233	10/26/2000	CL200.7	ZINC (TOTAL)	20.1		0.16	0.16	mg/Kg
SS102RA	AL233	10/26/2000	E350.2	NITROGEN, AMMONIA (AS N)	9.2		0.02	0.02	mg/Kg
SS102RA	AL233	10/26/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	176	J	0.01	0.01	mg/Kg
SS102RA	AL233	10/26/2000	LYDKHN	TOTAL ORGANIC CARBON	14500	J	0	0	mg/Kg
SS102RA	AL233	10/26/2000	CVOL	ACETONE	190	J	4.34	14	ug/Kg
SS102RA	AL233	10/26/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	18	J	1.8	14	ug/Kg
SS102RA	AL233	10/26/2000	CVOL	TOLUENE	3	J	0.32	14	ug/Kg
SS102S1	AQ225	5/7/2001	CL200.7	ALUMINUM (TOTAL)	15400		5.3	8.22	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	ANTIMONY (TOTAL)	0.72	J	0.61	0.61	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	ARSENIC (TOTAL)	4.2		0.806	0.806	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	BARIUM (TOTAL)	22		0.708	0.708	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	BERYLLIUM (TOTAL)	0.25		0.0197	0.0197	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	CADMIUM (TOTAL)	0.34		0.0393	0.0393	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	CALCIUM (TOTAL)	170	J	98	142	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	CHROMIUM (TOTAL)	18.7		0.2	0.275	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	COBALT (TOTAL)	4.9		0.236	0.236	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	COPPER (TOTAL)	6.9		0.492	0.492	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	IRON (TOTAL)	15500		3.5	7.3	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	LEAD (TOTAL)	9.3		0.2	0.256	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	MAGNESIUM (TOTAL)	2310		82.5	131	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	MANGANESE (TOTAL)	89.3		0.059	0.059	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	NICKEL (TOTAL)	9.3		0.256	0.256	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	POTASSIUM (TOTAL)	892		70.6	70.6	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	VANADIUM (TOTAL)	27.1		0.275	0.275	mg/Kg
SS102S1	AQ225	5/7/2001	CL200.7	ZINC (TOTAL)	33		0.4	0.944	mg/Kg
SS102S1	AQ225	5/7/2001	CVOL	ACETONE	46	J	4.04	12	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102S1	AQ225	5/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	12	ug/Kg
SS102S1	AQ225	5/7/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.2	J	1.5	2.63	mg/Kg
SS102S1	AQ225	5/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.75	J	0.0043	0.01	mg/Kg
SS102S1	AQ225	5/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	141		1	2.04	mg/Kg
SS102S1	AQ225	5/7/2001	LYDKHN	TOTAL ORGANIC CARBON	8620		0	0	mg/Kg
SS102S1	AQ225	5/7/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23	J	23	370	ug/Kg
SS102TA	AJ925	9/28/2000	CL200.7	ALUMINUM (TOTAL)	2130		2.29	2.29	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	ARSENIC (TOTAL)	1.3	J	0.75	0.777	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	BARIUM (TOTAL)	4.4		0.759	0.759	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.13		0.0185	0.0185	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	CALCIUM (TOTAL)	62.6	J	29	31.6	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	CHROMIUM (TOTAL)	2.7		0.14	0.204	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	COPPER (TOTAL)	5.5	J	0.333	0.333	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	IRON (TOTAL)	3810		3.92	3.92	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	LEAD (TOTAL)	2.4		0.32	0.333	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	435		28.1	38.5	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	MANGANESE (TOTAL)	41.9		0.074	0.074	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	NICKEL (TOTAL)	1.7		0.3	0.389	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	POTASSIUM (TOTAL)	179	J	33.6	33.6	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	VANADIUM (TOTAL)	6.1		0.36	0.37	mg/Kg
SS102TA	AJ925	9/28/2000	CL200.7	ZINC (TOTAL)	7.3	J	0.29	0.648	mg/Kg
SS102TA	AJ925	9/28/2000	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.4	J	0.17	1.8	ug/Kg
SS102TA	AJ925	9/28/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102TA	AJ925	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	52.5		0.01	0.01	mg/Kg
SS102TA	AJ925	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	1150	J	0	0	mg/Kg
SS102TA	AJ925	9/28/2000	SW8151A	PENTACHLOROPHENOL	75		7.6	18	ug/Kg
SS102TA	AJ925	9/28/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	6	ug/Kg
SS102TA	AJ926	9/28/2000	CL200.7	ALUMINUM (TOTAL)	5490		2.17	2.17	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	BARIUM (TOTAL)	8.8		0.717	0.717	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.19		0.0175	0.0175	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	CALCIUM (TOTAL)	88.1		29	29.9	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	CHROMIUM (TOTAL)	6.5		0.14	0.192	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	IRON (TOTAL)	7130		3.71	3.71	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	LEAD (TOTAL)	3.7		0.315	0.315	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	928		28.1	36.4	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	MANGANESE (TOTAL)	61.9		0.07	0.07	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	NICKEL (TOTAL)	3.5		0.3	0.367	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	POTASSIUM (TOTAL)	381		31.8	31.8	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	VANADIUM (TOTAL)	10.8		0.35	0.35	mg/Kg
SS102TA	AJ926	9/28/2000	CL200.7	ZINC (TOTAL)	10.1	J	0.29	0.612	mg/Kg
SS102TA	AJ926	9/28/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg
SS102TA	AJ926	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	59		0.01	0.01	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TA	AJ926	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	977	J	0	0	mg/Kg
SS102TA	AJ926	9/28/2000	SW8151A	PENTACHLOROPHENOL	37		7.6	18	ug/Kg
SS102TA	AJ926	9/28/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	6	ug/Kg
SS102TA	AJ927	9/28/2000	CL200.7	ALUMINUM (TOTAL)	5900		2.12	2.12	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	ARSENIC (TOTAL)	2.3	J	0.719	0.719	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	BARIUM (TOTAL)	9.8		0.702	0.702	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.23		0.0171	0.0171	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	CALCIUM (TOTAL)	101	J	29	29.2	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	CHROMIUM (TOTAL)	7.5		0.14	0.188	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	COBALT (TOTAL)	2.8		0.26	0.274	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	COPPER (TOTAL)	4.2		0.308	0.308	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	IRON (TOTAL)	8150		3.63	3.63	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	LEAD (TOTAL)	4.3		0.308	0.308	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	1320		28.1	35.6	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	MANGANESE (TOTAL)	82.5		0.0685	0.0685	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	NICKEL (TOTAL)	4.5		0.3	0.36	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	POTASSIUM (TOTAL)	491		31.1	31.1	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	VANADIUM (TOTAL)	12.1		0.343	0.343	mg/Kg
SS102TA	AJ927	9/28/2000	CL200.7	ZINC (TOTAL)	14.3		0.29	0.599	mg/Kg
SS102TA	AJ927	9/28/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.09		0.01	0.01	mg/Kg
SS102TA	AJ927	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	61.1		0.01	0.01	mg/Kg
SS102TA	AJ927	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	1240	J	0	0	mg/Kg
SS102TA	AJ927	9/28/2000	CVOL	TOLUENE	0.6	J	0.32	6	ug/Kg
SS102TB	AJ928	9/28/2000	CL200.7	ALUMINUM (TOTAL)	2370		2.39	2.39	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	ARSENIC (TOTAL)	1.1	J	0.75	0.81	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	BARIUM (TOTAL)	4.9		0.79	0.79	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0193	0.0193	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	CALCIUM (TOTAL)	83.6		29	32.9	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	CHROMIUM (TOTAL)	2.5		0.14	0.212	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	COBALT (TOTAL)	1.3		0.26	0.308	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	COPPER (TOTAL)	4.1	J	0.34	0.347	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	IRON (TOTAL)	4290		4.09	4.09	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	LEAD (TOTAL)	2.5		0.32	0.347	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	714		28.1	40.1	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	MANGANESE (TOTAL)	69.1		0.0771	0.0771	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	NICKEL (TOTAL)	1.9		0.3	0.405	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	POTASSIUM (TOTAL)	238	J	35	35	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	VANADIUM (TOTAL)	6.4		0.36	0.386	mg/Kg
SS102TB	AJ928	9/28/2000	CL200.7	ZINC (TOTAL)	9.1	J	0.29	0.675	mg/Kg
SS102TB	AJ928	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	54.8		0.01	0.01	mg/Kg
SS102TB	AJ928	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	539	J	0	0	mg/Kg
SS102TB	AJ928	9/28/2000	CVOL	ACETONE	24	J	4.34	7	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TB	AJ929	9/28/2000	CL200.7	ALUMINUM (TOTAL)	4240		2.14	2.14	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	ARSENIC (TOTAL)	1.5	J	0.724	0.724	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	BARIUM (TOTAL)	6.7		0.707	0.707	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0172	0.0172	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	CALCIUM (TOTAL)	56.7	J	29	29.4	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	CHROMIUM (TOTAL)	5		0.14	0.19	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	COBALT (TOTAL)	1.9		0.26	0.276	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	COPPER (TOTAL)	2.6	J	0.31	0.31	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	IRON (TOTAL)	5990		3.65	3.65	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	LEAD (TOTAL)	3.1		0.31	0.31	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	740		28.1	35.8	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	MANGANESE (TOTAL)	56.7		0.0689	0.0689	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	NICKEL (TOTAL)	2.8		0.3	0.362	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	POTASSIUM (TOTAL)	266	J	31.3	31.3	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	VANADIUM (TOTAL)	8.7		0.345	0.345	mg/Kg
SS102TB	AJ929	9/28/2000	CL200.7	ZINC (TOTAL)	8.1	J	0.29	0.603	mg/Kg
SS102TB	AJ929	9/28/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	0.02	0.02	mg/Kg
SS102TB	AJ929	9/28/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg
SS102TB	AJ929	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	54.6		0.01	0.01	mg/Kg
SS102TB	AJ929	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	849	J	0	0	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	ALUMINUM (TOTAL)	5640		2.5	2.5	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	ARSENIC (TOTAL)	2.6	J	0.75	0.846	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	BARIUM (TOTAL)	9.3		0.826	0.826	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.21		0.0201	0.0201	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	CALCIUM (TOTAL)	101		29	34.4	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	CHROMIUM (TOTAL)	7.1		0.14	0.222	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	COBALT (TOTAL)	2.5		0.26	0.322	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	COPPER (TOTAL)	3.2	J	0.34	0.363	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	IRON (TOTAL)	7220		4.21	4.27	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	LEAD (TOTAL)	4.3		0.32	0.363	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	1090		28.1	41.9	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	MANGANESE (TOTAL)	75.2		0.08	0.0806	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	NICKEL (TOTAL)	4.1		0.3	0.423	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	POTASSIUM (TOTAL)	353		36.6	36.6	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	VANADIUM (TOTAL)	11.5		0.36	0.403	mg/Kg
SS102TB	AJ930	9/28/2000	CL200.7	ZINC (TOTAL)	11.3	J	0.29	0.705	mg/Kg
SS102TB	AJ930	9/28/2000	E350.2	NITROGEN, AMMONIA (AS N)	4	J	0.02	0.02	mg/Kg
SS102TB	AJ930	9/28/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.01	0.01	mg/Kg
SS102TB	AJ930	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	75.4		0.01	0.01	mg/Kg
SS102TB	AJ930	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	530	J	0	0	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	ALUMINUM (TOTAL)	1690		2.1	2.1	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	ARSENIC (TOTAL)	1.4	J	0.711	0.711	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TC	AJ931	9/28/2000	CL200.7	BARIUM (TOTAL)	3.6		0.694	0.694	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.13		0.0169	0.0169	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	CALCIUM (TOTAL)	39.3	J	28.9	28.9	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	CHROMIUM (TOTAL)	2.3		0.14	0.186	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	COBALT (TOTAL)	1		0.26	0.271	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	COPPER (TOTAL)	2.8	J	0.305	0.305	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	IRON (TOTAL)	3670		3.59	3.59	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	LEAD (TOTAL)	2.2		0.305	0.305	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	323		28.1	35.2	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	MANGANESE (TOTAL)	39.8		0.0677	0.0677	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	NICKEL (TOTAL)	1.7		0.3	0.355	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	POTASSIUM (TOTAL)	157	J	30.7	30.7	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	SODIUM (TOTAL)	51.2	J	42.8	42.8	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	VANADIUM (TOTAL)	5.5		0.338	0.338	mg/Kg
SS102TC	AJ931	9/28/2000	CL200.7	ZINC (TOTAL)	5.8	J	0.29	0.592	mg/Kg
SS102TC	AJ931	9/28/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.8	J	0.02	0.02	mg/Kg
SS102TC	AJ931	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	46.8		0.01	0.01	mg/Kg
SS102TC	AJ931	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	353	J	0	0	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	ALUMINUM (TOTAL)	2620		2.5	2.51	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	ARSENIC (TOTAL)	1.2	J	0.75	0.849	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	BARIUM (TOTAL)	4.9		0.829	0.829	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.0202	0.0202	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	CALCIUM (TOTAL)	40.7	J	29	34.5	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	CHROMIUM (TOTAL)	3		0.14	0.222	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	COBALT (TOTAL)	1.3		0.26	0.324	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	COPPER (TOTAL)	1.9	J	0.34	0.364	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	IRON (TOTAL)	4440		4.21	4.29	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	LEAD (TOTAL)	3.6		0.32	0.364	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	434		28.1	42	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	MANGANESE (TOTAL)	59.5		0.08	0.0809	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	NICKEL (TOTAL)	1.7		0.3	0.425	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	POTASSIUM (TOTAL)	149	J	36.7	36.7	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	VANADIUM (TOTAL)	6		0.36	0.404	mg/Kg
SS102TC	AJ932	9/28/2000	CL200.7	ZINC (TOTAL)	7.1	J	0.29	0.708	mg/Kg
SS102TC	AJ932	9/28/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.9	J	0.02	0.02	mg/Kg
SS102TC	AJ932	9/28/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg
SS102TC	AJ932	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	53		0.01	0.01	mg/Kg
SS102TC	AJ932	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	737	J	0	0	mg/Kg
SS102TC	AJ932	9/28/2000	CVOL	ACETONE	18	J	4.34	6	ug/Kg
SS102TC	AJ933	9/28/2000	CL200.7	ALUMINUM (TOTAL)	3680		2.48	2.48	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	ARSENIC (TOTAL)	1.2	J	0.75	0.84	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	BARIUM (TOTAL)	5.8		0.82	0.82	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TC	AJ933	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.02	0.02	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	CALCIUM (TOTAL)	48.1	J	29	34.1	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	CHROMIUM (TOTAL)	4.1		0.14	0.22	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	COBALT (TOTAL)	1.9		0.26	0.32	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	COPPER (TOTAL)	2.5		0.34	0.36	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	IRON (TOTAL)	5800		4.21	4.24	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	LEAD (TOTAL)	3		0.32	0.36	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	710		28.1	41.6	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	MANGANESE (TOTAL)	78		0.08	0.08	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	NICKEL (TOTAL)	2.5		0.3	0.42	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	POTASSIUM (TOTAL)	230	J	36.3	36.3	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	VANADIUM (TOTAL)	8.5		0.36	0.4	mg/Kg
SS102TC	AJ933	9/28/2000	CL200.7	ZINC (TOTAL)	12.4		0.29	0.7	mg/Kg
SS102TC	AJ933	9/28/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.8	J	0.02	0.02	mg/Kg
SS102TC	AJ933	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	62.2		0.01	0.01	mg/Kg
SS102TC	AJ933	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	629	J	0	0	mg/Kg
SS102TC	AJ933	9/28/2000	CVOL	ACETONE	35	J	4.34	6	ug/Kg
SS102TD	AJ934	9/28/2000	CL200.7	ALUMINUM (TOTAL)	1230		2.5	2.58	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.75	0.875	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	BARIUM (TOTAL)	3.4		0.854	0.854	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0208	0.0208	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	CALCIUM (TOTAL)	47.7	J	29	35.6	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	CHROMIUM (TOTAL)	2.4	J	0.14	0.229	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	COBALT (TOTAL)	0.87		0.26	0.333	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	COPPER (TOTAL)	2.4	J	0.34	0.375	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	IRON (TOTAL)	4270		4.21	4.42	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	LEAD (TOTAL)	2.3		0.32	0.375	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	299		28.1	43.3	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	MANGANESE (TOTAL)	41.2		0.08	0.0833	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	NICKEL (TOTAL)	2.4		0.3	0.438	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	POTASSIUM (TOTAL)	166	J	37.9	37.9	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	VANADIUM (TOTAL)	5.8		0.36	0.417	mg/Kg
SS102TD	AJ934	9/28/2000	CL200.7	ZINC (TOTAL)	6.8	J	0.29	0.729	mg/Kg
SS102TD	AJ934	9/28/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.3	J	0.02	0.02	mg/Kg
SS102TD	AJ934	9/28/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg
SS102TD	AJ934	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	41.9		0.01	0.01	mg/Kg
SS102TD	AJ934	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	425	J	0	0	mg/Kg
SS102TD	AJ934	9/28/2000	CVOL	ACETONE	30	J	4.34	7	ug/Kg
SS102TD	AJ935	9/28/2000	CL200.7	ALUMINUM (TOTAL)	2990		2.3	2.3	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	ARSENIC (TOTAL)	2.1	J	0.75	0.78	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	BARIUM (TOTAL)	5.3		0.761	0.761	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0186	0.0186	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TD	AJ935	9/28/2000	CL200.7	CALCIUM (TOTAL)	66.2	J	29	31.7	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	CHROMIUM (TOTAL)	3.9		0.14	0.204	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	COBALT (TOTAL)	1.6		0.26	0.297	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	COPPER (TOTAL)	2.6	J	0.334	0.334	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	IRON (TOTAL)	5610		3.93	3.93	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	LEAD (TOTAL)	3.4		0.32	0.334	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	590		28.1	38.6	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	MANGANESE (TOTAL)	67.9		0.0742	0.0742	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	NICKEL (TOTAL)	2.6		0.3	0.39	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	POTASSIUM (TOTAL)	226	J	33.7	33.7	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	VANADIUM (TOTAL)	8.8		0.36	0.371	mg/Kg
SS102TD	AJ935	9/28/2000	CL200.7	ZINC (TOTAL)	8.1	J	0.29	0.65	mg/Kg
SS102TD	AJ935	9/28/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.4	J	0.02	0.02	mg/Kg
SS102TD	AJ935	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	52.2		0.01	0.01	mg/Kg
SS102TD	AJ935	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	823	J	0	0	mg/Kg
SS102TD	AJ935	9/28/2000	CVOL	ACETONE	34	J	4.34	6	ug/Kg
SS102TD	AJ936	9/28/2000	CL200.7	ALUMINUM (TOTAL)	4710		2.38	2.38	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	ARSENIC (TOTAL)	1.6	J	0.75	0.806	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	BARIUM (TOTAL)	7.1		0.787	0.787	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.19		0.0192	0.0192	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	CALCIUM (TOTAL)	59.6	J	29	32.8	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	CHROMIUM (TOTAL)	6.3		0.14	0.211	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	COBALT (TOTAL)	2		0.26	0.307	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	COPPER (TOTAL)	3.4	J	0.34	0.346	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	IRON (TOTAL)	6830		4.07	4.07	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	LEAD (TOTAL)	3.6		0.32	0.346	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	871		28.1	39.9	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	MANGANESE (TOTAL)	44.3		0.0768	0.0768	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	NICKEL (TOTAL)	3.1		0.3	0.403	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	POTASSIUM (TOTAL)	294	J	34.9	34.9	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	VANADIUM (TOTAL)	10.4		0.36	0.384	mg/Kg
SS102TD	AJ936	9/28/2000	CL200.7	ZINC (TOTAL)	9.7	J	0.29	0.672	mg/Kg
SS102TD	AJ936	9/28/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.9	J	0.02	0.02	mg/Kg
SS102TD	AJ936	9/28/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg
SS102TD	AJ936	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	59		0.01	0.01	mg/Kg
SS102TD	AJ936	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	1800	J	0	0	mg/Kg
SS102TD	AJ936	9/28/2000	CVOL	ACETONE	19	J	4.34	6	ug/Kg
SS102TD	AJ936	9/28/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	6	ug/Kg
SS102TE	AJ937	9/29/2000	CL200.7	ALUMINUM (TOTAL)	2110		2.43	2.43	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	ARSENIC (TOTAL)	1.1	J	0.75	0.823	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	BARIUM (TOTAL)	3.9		0.803	0.803	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0196	0.0196	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TE	AJ937	9/29/2000	CL200.7	BORON (TOTAL)	1.3	J	0.63	1.06	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	CALCIUM (TOTAL)	50.9	J	29	33.4	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	CHROMIUM (TOTAL)	2.3	J	0.14	0.216	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	COBALT (TOTAL)	1.5		0.26	0.314	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	COPPER (TOTAL)	8.1		0.34	0.353	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	IRON (TOTAL)	4350		4.15	4.15	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	LEAD (TOTAL)	2.5		0.32	0.353	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	MAGNESIUM (TOTAL)	752		28.1	40.7	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	MANGANESE (TOTAL)	50.2		0.0784	0.0784	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	NICKEL (TOTAL)	1.6	J	0.3	0.412	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	VANADIUM (TOTAL)	6.4		0.36	0.392	mg/Kg
SS102TE	AJ937	9/29/2000	CL200.7	ZINC (TOTAL)	9.5		0.29	0.686	mg/Kg
SS102TE	AJ937	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.9	J	0.02	0.02	mg/Kg
SS102TE	AJ937	9/29/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.01	0.01	mg/Kg
SS102TE	AJ937	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	57		0.01	0.01	mg/Kg
SS102TE	AJ937	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	667	J	0	0	mg/Kg
SS102TE	AJ937	9/29/2000	SW8151A	PENTACHLOROPHENOL	260		7.6	89	ug/Kg
SS102TE	AJ937	9/29/2000	CVOL	ACETONE	12	J	4.34	6	ug/Kg
SS102TE	AJ937	9/29/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg
SS102TE	AJ938	9/29/2000	CL200.7	ALUMINUM (TOTAL)	2790		2.37	2.37	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	ARSENIC (TOTAL)	1.3	J	0.75	0.803	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	BARIUM (TOTAL)	6.3		0.784	0.784	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0191	0.0191	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	BORON (TOTAL)	2	J	0.63	1.03	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	CALCIUM (TOTAL)	85.4		29	32.6	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	CHROMIUM (TOTAL)	2.8	J	0.14	0.21	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	COBALT (TOTAL)	2.2		0.26	0.306	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	COPPER (TOTAL)	5.1	J	0.34	0.344	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	IRON (TOTAL)	4850		4.05	4.05	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	LEAD (TOTAL)	2.8		0.32	0.344	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	MAGNESIUM (TOTAL)	672		28.1	39.7	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	MANGANESE (TOTAL)	75		0.0765	0.0765	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	NICKEL (TOTAL)	2.3	J	0.3	0.402	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	POTASSIUM (TOTAL)	260		34.7	34.7	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	VANADIUM (TOTAL)	7.1		0.36	0.382	mg/Kg
SS102TE	AJ938	9/29/2000	CL200.7	ZINC (TOTAL)	12.6		0.29	0.669	mg/Kg
SS102TE	AJ938	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.2	J	0.02	0.02	mg/Kg
SS102TE	AJ938	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	51.5		0.01	0.01	mg/Kg
SS102TE	AJ938	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	345	J	0	0	mg/Kg
SS102TE	AJ938	9/29/2000	CVOL	ACETONE	12	J	4.34	8	ug/Kg
SS102TE	AJ938	9/29/2000	CVOL	TOLUENE	1	J	0.32	8	ug/Kg
SS102TE	AJ939	9/29/2000	CL200.7	ALUMINUM (TOTAL)	2500		2.23	2.23	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TE	AJ939	9/29/2000	CL200.7	ARSENIC (TOTAL)	2.2		0.75	0.934	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	BARIUM (TOTAL)	5.1		0.737	0.737	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.018	0.018	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	BORON (TOTAL)	2		0.63	0.97	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	CALCIUM (TOTAL)	56.9	J	29	30.7	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	CHROMIUM (TOTAL)	2.5	J	0.14	0.198	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	COBALT (TOTAL)	1.9		0.26	0.288	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	COPPER (TOTAL)	3.9	J	0.323	0.323	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	IRON (TOTAL)	4820		3.81	3.81	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	LEAD (TOTAL)	3.1		0.32	0.323	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	MAGNESIUM (TOTAL)	533		28.1	37.4	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	MANGANESE (TOTAL)	62.8		0.0719	0.0719	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	NICKEL (TOTAL)	1.5	J	0.3	0.377	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	POTASSIUM (TOTAL)	270		32.6	32.6	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	VANADIUM (TOTAL)	7.1		0.359	0.359	mg/Kg
SS102TE	AJ939	9/29/2000	CL200.7	ZINC (TOTAL)	7.8		0.29	0.629	mg/Kg
SS102TE	AJ939	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.1	J	0.02	0.02	mg/Kg
SS102TE	AJ939	9/29/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.17		0.01	0.01	mg/Kg
SS102TE	AJ939	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86.6		0.01	0.01	mg/Kg
SS102TE	AJ939	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	493	J	0	0	mg/Kg
SS102TE	AJ939	9/29/2000	CVOL	ACETONE	41	J	4.34	6	ug/Kg
SS102TF	AJ940	9/29/2000	CL200.7	ALUMINUM (TOTAL)	2370		2.27	2.27	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	ARSENIC (TOTAL)	2.2	J	0.75	0.768	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	BARIUM (TOTAL)	6		0.75	0.75	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	BERYLLIUM (TOTAL)	0.2		0.0183	0.0183	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	BORON (TOTAL)	2		0.63	0.987	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	CALCIUM (TOTAL)	633		29	31.2	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	CHROMIUM (TOTAL)	2.3	J	0.14	0.201	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	COBALT (TOTAL)	1.3		0.26	0.293	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	COPPER (TOTAL)	9		0.329	0.329	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	IRON (TOTAL)	6480		3.88	3.88	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	LEAD (TOTAL)	2.7		0.32	0.329	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	MAGNESIUM (TOTAL)	461		28.1	38	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	MANGANESE (TOTAL)	46.6		0.0731	0.0731	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	MOLYBDENUM (TOTAL)	0.59	J	0.49	0.567	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	NICKEL (TOTAL)	1.4	J	0.3	0.384	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	POTASSIUM (TOTAL)	334		33.2	33.2	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	SELENIUM (TOTAL)	0.79	J	0.61	0.676	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	VANADIUM (TOTAL)	7.3		0.36	0.366	mg/Kg
SS102TF	AJ940	9/29/2000	CL200.7	ZINC (TOTAL)	10.2		0.29	0.64	mg/Kg
SS102TF	AJ940	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.4	J	0.02	0.02	mg/Kg
SS102TF	AJ940	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	53.4		0.01	0.01	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TF	AJ940	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	881	J	0	0	mg/Kg
SS102TF	AJ940	9/29/2000	SW8151A	PENTACHLOROPHENOL	36		7.6	18	ug/Kg
SS102TF	AJ940	9/29/2000	CVOL	ACETONE	36	J	4.34	10	ug/Kg
SS102TF	AJ940	9/29/2000	CVOL	TOLUENE	1	J	0.32	10	ug/Kg
SS102TF	AJ941	9/29/2000	CL200.7	ALUMINUM (TOTAL)	1970		2.48	2.48	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	ARSENIC (TOTAL)	1.2	J	0.75	0.84	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	BARIUM (TOTAL)	4.6		0.82	0.82	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.02	0.02	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	BORON (TOTAL)	1.6	J	0.63	1.08	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	CALCIUM (TOTAL)	38	J	29	34.1	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	CHROMIUM (TOTAL)	1.5	J	0.14	0.22	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	COBALT (TOTAL)	1.5		0.26	0.32	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	COPPER (TOTAL)	3.1	J	0.34	0.36	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	IRON (TOTAL)	5520		4.21	4.24	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	LEAD (TOTAL)	2.9		0.32	0.36	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	MAGNESIUM (TOTAL)	464		28.1	41.6	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	MANGANESE (TOTAL)	60		0.08	0.08	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	NICKEL (TOTAL)	0.95	J	0.3	0.42	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	POTASSIUM (TOTAL)	266		36.3	36.3	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	VANADIUM (TOTAL)	6.1		0.36	0.4	mg/Kg
SS102TF	AJ941	9/29/2000	CL200.7	ZINC (TOTAL)	7.6		0.29	0.7	mg/Kg
SS102TF	AJ941	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.6	J	0.02	0.02	mg/Kg
SS102TF	AJ941	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	50		0.01	0.01	mg/Kg
SS102TF	AJ941	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	539	J	0	0	mg/Kg
SS102TF	AJ941	9/29/2000	CVOL	TOLUENE	0.6	J	0.32	6	ug/Kg
SS102TF	AJ942	9/29/2000	CL200.7	ALUMINUM (TOTAL)	2700		2.5	2.63	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	ARSENIC (TOTAL)	1.5	J	0.75	0.89	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	BARIUM (TOTAL)	5.2		0.869	0.869	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0212	0.0212	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	BORON (TOTAL)	1.6	J	0.63	1.14	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	CALCIUM (TOTAL)	64.4	J	29	36.2	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	CHROMIUM (TOTAL)	2.2	J	0.14	0.233	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	COBALT (TOTAL)	1.7		0.26	0.339	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	COPPER (TOTAL)	3.4	J	0.34	0.382	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	IRON (TOTAL)	4410		4.21	4.49	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	LEAD (TOTAL)	3.3		0.32	0.382	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	MAGNESIUM (TOTAL)	622		28.1	44.1	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	MANGANESE (TOTAL)	53.8		0.08	0.0848	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	NICKEL (TOTAL)	1.4	J	0.3	0.445	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	POTASSIUM (TOTAL)	312		38.5	38.5	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	VANADIUM (TOTAL)	6.9		0.36	0.424	mg/Kg
SS102TF	AJ942	9/29/2000	CL200.7	ZINC (TOTAL)	11.8		0.29	0.742	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TF	AJ942	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	54.6		0.01	0.01	mg/Kg
SS102TF	AJ942	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	678	J	0	0	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	ALUMINUM (TOTAL)	1270		2.25	2.25	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	BARIUM (TOTAL)	3.1		0.744	0.744	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.13		0.0182	0.0182	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	CALCIUM (TOTAL)	80.5		29	31	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	CHROMIUM (TOTAL)	2	J	0.14	0.2	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	COBALT (TOTAL)	0.74		0.26	0.291	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	COPPER (TOTAL)	3	J	0.327	0.327	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	IRON (TOTAL)	3620		3.85	3.85	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	LEAD (TOTAL)	2.2		0.32	0.327	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	370		28.1	37.7	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	MANGANESE (TOTAL)	53.5		0.0726	0.0726	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	NICKEL (TOTAL)	1.3		0.3	0.381	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	POTASSIUM (TOTAL)	168	J	33	33	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	VANADIUM (TOTAL)	4.8		0.36	0.363	mg/Kg
SS102TG	AJ943	9/28/2000	CL200.7	ZINC (TOTAL)	6.8	J	0.29	0.635	mg/Kg
SS102TG	AJ943	9/28/2000	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.2	NJ	0.17	1.8	ug/Kg
SS102TG	AJ943	9/28/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	0.02	0.02	mg/Kg
SS102TG	AJ943	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	44.9		0.01	0.01	mg/Kg
SS102TG	AJ943	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	660	J	0	0	mg/Kg
SS102TG	AJ943	9/28/2000	SW8151A	PENTACHLOROPHENOL	430		7.6	180	ug/Kg
SS102TG	AJ943	9/28/2000	SW8270	PENTACHLOROPHENOL	3700	J	52.5	1700	ug/Kg
SS102TG	AJ943	9/28/2000	SW8270	PHENANTHRENE	30	J	30	340	ug/Kg
SS102TG	AJ943	9/28/2000	CVOL	ACETONE	12	J	4.34	6	ug/Kg
SS102TG	AJ943	9/28/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	6	ug/Kg
SS102TG	AJ944	9/28/2000	CL200.7	ALUMINUM (TOTAL)	1500		2.11	2.11	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	ARSENIC (TOTAL)	0.74	J	0.715	0.715	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	BARIUM (TOTAL)	4		0.698	0.698	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.13		0.017	0.017	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	BORON (TOTAL)	1.6	J	0.63	0.919	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	CALCIUM (TOTAL)	52.7	J	29	29	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	CHROMIUM (TOTAL)	1.4	J	0.14	0.187	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	COBALT (TOTAL)	1.3		0.26	0.272	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	COPPER (TOTAL)	2.3	J	0.306	0.306	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	IRON (TOTAL)	3020		3.61	3.61	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	LEAD (TOTAL)	2.4		0.306	0.306	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	387		28.1	35.4	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	MANGANESE (TOTAL)	44.6		0.0681	0.0681	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	NICKEL (TOTAL)	0.84	J	0.3	0.357	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	POTASSIUM (TOTAL)	174	J	30.9	30.9	mg/Kg
SS102TG	AJ944	9/28/2000	CL200.7	VANADIUM (TOTAL)	4.7		0.34	0.34	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TG	AJ944	9/28/2000	CL200.7	ZINC (TOTAL)	5.8		0.29	0.596	mg/Kg
SS102TG	AJ944	9/28/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	0.02	0.02	mg/Kg
SS102TG	AJ944	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	36.2		0.01	0.01	mg/Kg
SS102TG	AJ944	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	345	J	0	0	mg/Kg
SS102TG	AJ944	9/28/2000	CVOL	ACETONE	3	J	3	6	ug/Kg
SS102TG	AJ944	9/28/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	6	ug/Kg
SS102TG	AJ944	9/28/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg
SS102TG	AJ945	9/28/2000	CL200.7	ALUMINUM (TOTAL)	4230		2.5	2.5	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	ARSENIC (TOTAL)	1.5	J	0.75	0.846	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	BARIUM (TOTAL)	6.3		0.825	0.825	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0201	0.0201	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	BORON (TOTAL)	2.6		0.63	1.09	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	CALCIUM (TOTAL)	64.1	J	29	34.4	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	CHROMIUM (TOTAL)	3.7	J	0.14	0.222	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	COBALT (TOTAL)	1.7		0.26	0.322	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	COPPER (TOTAL)	2.4	J	0.34	0.362	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	IRON (TOTAL)	5170		4.21	4.27	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	LEAD (TOTAL)	3.4		0.32	0.362	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	661		28.1	41.9	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	MANGANESE (TOTAL)	48.1		0.08	0.0805	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	NICKEL (TOTAL)	1.7	J	0.3	0.423	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	POTASSIUM (TOTAL)	250	J	36.6	36.6	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	VANADIUM (TOTAL)	7.9		0.36	0.403	mg/Kg
SS102TG	AJ945	9/28/2000	CL200.7	ZINC (TOTAL)	9		0.29	0.705	mg/Kg
SS102TG	AJ945	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	46.9		0.01	0.01	mg/Kg
SS102TG	AJ945	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	593	J	0	0	mg/Kg
SS102TG	AJ945	9/28/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	6	ug/Kg
SS102TG	AJ945	9/28/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg
SS102TH	AJ946	9/28/2000	CL200.7	ALUMINUM (TOTAL)	1500		2.2	2.2	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	ARSENIC (TOTAL)	0.85	J	0.744	0.744	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	BARIUM (TOTAL)	3.2		0.726	0.726	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0177	0.0177	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	BORON (TOTAL)	2.1		0.63	0.956	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	CALCIUM (TOTAL)	48.1	J	29	30.2	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	CHROMIUM (TOTAL)	2.3	J	0.14	0.195	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	COBALT (TOTAL)	1.2		0.26	0.283	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	COPPER (TOTAL)	2.8	J	0.319	0.319	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	IRON (TOTAL)	3840		3.75	3.75	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	LEAD (TOTAL)	2.3		0.319	0.319	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	558		28.1	36.8	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	MANGANESE (TOTAL)	34.7		0.0708	0.0708	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	NICKEL (TOTAL)	1.5	J	0.3	0.372	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TH	AJ946	9/28/2000	CL200.7	POTASSIUM (TOTAL)	177	J	32.2	32.2	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	VANADIUM (TOTAL)	6.5		0.354	0.354	mg/Kg
SS102TH	AJ946	9/28/2000	CL200.7	ZINC (TOTAL)	8.3		0.29	0.62	mg/Kg
SS102TH	AJ946	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	43.4		0.01	0.01	mg/Kg
SS102TH	AJ946	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	457	J	0	0	mg/Kg
SS102TH	AJ946	9/28/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	340	ug/Kg
SS102TH	AJ946	9/28/2000	CVOL	ACETONE	42	J	4.34	6	ug/Kg
SS102TH	AJ946	9/28/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	6	ug/Kg
SS102TH	AJ946	9/28/2000	CVOL	TOLUENE	0.8	J	0.32	6	ug/Kg
SS102TH	AJ947	9/28/2000	CL200.7	ALUMINUM (TOTAL)	4260		2.39	2.39	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	ARSENIC (TOTAL)	1.2	J	0.75	0.809	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	BARIUM (TOTAL)	6.7		0.79	0.79	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.18		0.0193	0.0193	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	BORON (TOTAL)	3.2		0.63	1.04	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	CALCIUM (TOTAL)	65.4	J	29	32.9	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	CHROMIUM (TOTAL)	4.2	J	0.14	0.212	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	COBALT (TOTAL)	1.9		0.26	0.308	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	COPPER (TOTAL)	2.7	J	0.34	0.347	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	IRON (TOTAL)	6530		4.08	4.08	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	LEAD (TOTAL)	3.4		0.32	0.347	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	782		28.1	40	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	MANGANESE (TOTAL)	57		0.077	0.077	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	NICKEL (TOTAL)	2	J	0.3	0.404	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	POTASSIUM (TOTAL)	307		35	35	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	VANADIUM (TOTAL)	9.7		0.36	0.385	mg/Kg
SS102TH	AJ947	9/28/2000	CL200.7	ZINC (TOTAL)	9.6		0.29	0.674	mg/Kg
SS102TH	AJ947	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	59.3		0.01	0.01	mg/Kg
SS102TH	AJ947	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	882	J	0	0	mg/Kg
SS102TH	AJ947	9/28/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	2600	J	123	360	ug/Kg
SS102TH	AJ947	9/28/2000	SW8270	DI-N-OCTYL PHTHALATE	47	J	47	360	ug/Kg
SS102TH	AJ947	9/28/2000	CVOL	ACETONE	8	J	4.34	6	ug/Kg
SS102TH	AJ947	9/28/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	1.8	6	ug/Kg
SS102TH	AJ947	9/28/2000	CVOL	TOLUENE	2	J	0.32	6	ug/Kg
SS102TH	AJ948	9/28/2000	CL200.7	ALUMINUM (TOTAL)	3590		2.18	2.18	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	ARSENIC (TOTAL)	1.6	J	0.738	0.738	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	BARIUM (TOTAL)	5.7		0.72	0.72	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	BERYLLIUM (TOTAL)	0.17		0.0176	0.0176	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	BORON (TOTAL)	2.8		0.63	0.948	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	CALCIUM (TOTAL)	51.8	J	29	30	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	CHROMIUM (TOTAL)	3.5	J	0.14	0.193	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	COBALT (TOTAL)	1.8		0.26	0.281	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	COPPER (TOTAL)	2.6	J	0.316	0.316	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TH	AJ948	9/28/2000	CL200.7	IRON (TOTAL)	5260		3.72	3.72	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	LEAD (TOTAL)	3.2		0.316	0.316	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	MAGNESIUM (TOTAL)	580		28.1	36.5	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	MANGANESE (TOTAL)	49.8		0.0703	0.0703	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	NICKEL (TOTAL)	1.7	J	0.3	0.369	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	POTASSIUM (TOTAL)	268		31.9	31.9	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	SELENIUM (TOTAL)	0.67	J	0.61	0.65	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	VANADIUM (TOTAL)	8.2		0.351	0.351	mg/Kg
SS102TH	AJ948	9/28/2000	CL200.7	ZINC (TOTAL)	8.8		0.29	0.615	mg/Kg
SS102TH	AJ948	9/28/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	70.3		0.01	0.01	mg/Kg
SS102TH	AJ948	9/28/2000	LYDKHN	TOTAL ORGANIC CARBON	1500	J	0	0	mg/Kg
SS102TH	AJ948	9/28/2000	CVOL	ACETONE	14	J	4.34	5	ug/Kg
SS102TH	AJ948	9/28/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	5	ug/Kg
SS102TH	AJ948	9/28/2000	CVOL	TOLUENE	2	J	0.32	5	ug/Kg
SS102TI	AX580	1/16/2002	CL200.7	ALUMINUM (TOTAL)	12100		4.3	4.3	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	ARSENIC (TOTAL)	3.8		0.99	0.99	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	BARIUM (TOTAL)	20		3.1	3.1	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	BERYLLIUM (TOTAL)	0.39		0.05	0.05	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	CALCIUM (TOTAL)	193		43	43	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	CHROMIUM (TOTAL)	14		0.26	0.26	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	COBALT (TOTAL)	3.4		0.83	0.83	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	COPPER (TOTAL)	7.3	J	0.62	0.62	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	IRON (TOTAL)	15700		4.6	4.6	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	LEAD (TOTAL)	8.8		0.21	0.21	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	MAGNESIUM (TOTAL)	1820		53.4	53.4	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	MANGANESE (TOTAL)	70.7		0.21	0.21	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	MOLYBDENUM (TOTAL)	0.67	J	0.4	0.4	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	NICKEL (TOTAL)	6.6		0.59	0.59	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	POTASSIUM (TOTAL)	817		45.6	45.6	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	SELENIUM (TOTAL)	0.6	J	0.47	0.47	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	VANADIUM (TOTAL)	24.9		0.5	0.5	mg/Kg
SS102TI	AX580	1/16/2002	CL200.7	ZINC (TOTAL)	18.5		0.64	0.64	mg/Kg
SS102TI	AX580	1/16/2002	E350.2	NITROGEN, AMMONIA (AS N)	7.3	J	1.5	2.9	mg/Kg
SS102TI	AX580	1/16/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.1		0.0043	0.012	mg/Kg
SS102TI	AX580	1/16/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	131		1	2.4	mg/Kg
SS102TI	AX580	1/16/2002	LYDKHN	TOTAL ORGANIC CARBON	13500		0	0	mg/Kg
SS102TI	AX580	1/16/2002	SW8270	DI-N-BUTYL PHTHALATE	28	J	28	410	ug/Kg
SS102TI	AX580	1/16/2002	CVOL	ACETONE	74	J	3.81	8	ug/Kg
SS102TI	AX580	1/16/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	8	ug/Kg
SS102TI	AX581	1/16/2002	CL200.7	ALUMINUM (TOTAL)	11600		4.5	4.5	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	ARSENIC (TOTAL)	3		1	1	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	BARIUM (TOTAL)	18.3		3.2	3.2	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TI	AX581	1/16/2002	CL200.7	BERYLLIUM (TOTAL)	0.32	J	0.05	0.05	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	CALCIUM (TOTAL)	184		44.3	44.3	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	CHROMIUM (TOTAL)	12.8		0.27	0.27	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	COBALT (TOTAL)	2.9		0.85	0.85	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	COPPER (TOTAL)	5.9	J	0.63	0.63	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	IRON (TOTAL)	14000		4.7	4.7	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	LEAD (TOTAL)	8.9		0.22	0.22	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	MAGNESIUM (TOTAL)	1620		55	55	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	MANGANESE (TOTAL)	61		0.22	0.22	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	MOLYBDENUM (TOTAL)	0.71	J	0.41	0.41	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	NICKEL (TOTAL)	5.9		0.61	0.61	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	POTASSIUM (TOTAL)	707		46.9	46.9	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	VANADIUM (TOTAL)	24.8		0.51	0.51	mg/Kg
SS102TI	AX581	1/16/2002	CL200.7	ZINC (TOTAL)	16.7		0.66	0.66	mg/Kg
SS102TI	AX581	1/16/2002	E350.2	NITROGEN, AMMONIA (AS N)	17	J	1.5	2.9	mg/Kg
SS102TI	AX581	1/16/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.45		0.0043	0.012	mg/Kg
SS102TI	AX581	1/16/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	242		1	2	mg/Kg
SS102TI	AX581	1/16/2002	LYDKHN	TOTAL ORGANIC CARBON	14200		0	0	mg/Kg
SS102TI	AX581	1/16/2002	CVOL	ACETONE	180	J	3.81	13	ug/Kg
SS102TI	AX581	1/16/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	15	J	3.6	13	ug/Kg
SS102TI	AX582	1/16/2002	CL200.7	ALUMINUM (TOTAL)	12400		4.5	4.5	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	ARSENIC (TOTAL)	4.2		1	1	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	BARIUM (TOTAL)	18.6		3.2	3.2	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	BERYLLIUM (TOTAL)	0.33	J	0.05	0.05	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	CALCIUM (TOTAL)	226		44.3	44.3	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	CHROMIUM (TOTAL)	13.8		0.27	0.27	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	COBALT (TOTAL)	3.1		0.85	0.85	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	COPPER (TOTAL)	4.5	J	0.63	0.63	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	IRON (TOTAL)	14300		4.7	4.7	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	LEAD (TOTAL)	8.4		0.22	0.22	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	MAGNESIUM (TOTAL)	1750		55	55	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	MANGANESE (TOTAL)	68.5		0.22	0.22	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	MOLYBDENUM (TOTAL)	0.73	J	0.41	0.41	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	NICKEL (TOTAL)	6.4		0.61	0.61	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	POTASSIUM (TOTAL)	771		47	47	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	VANADIUM (TOTAL)	25.6		0.51	0.51	mg/Kg
SS102TI	AX582	1/16/2002	CL200.7	ZINC (TOTAL)	20.8		0.66	0.66	mg/Kg
SS102TI	AX582	1/16/2002	E350.2	NITROGEN, AMMONIA (AS N)	7.9	J	1.5	2.9	mg/Kg
SS102TI	AX582	1/16/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.82		0.0043	0.012	mg/Kg
SS102TI	AX582	1/16/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	162		1	2.4	mg/Kg
SS102TI	AX582	1/16/2002	LYDKHN	TOTAL ORGANIC CARBON	8800		0	0	mg/Kg
SS102TI	AX582	1/16/2002	CVOL	ACETONE	150	J	3.81	9	ug/Kg

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NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TI	AX582	1/16/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	13	J	3.6	9	ug/Kg
SS102TJ	AX583	1/15/2002	CL200.7	ALUMINUM (TOTAL)	12600		4	4	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	ARSENIC (TOTAL)	3.9		0.91	0.91	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	BARIUM (TOTAL)	20		0.93	0.93	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	BERYLLIUM (TOTAL)	0.34		0.04	0.04	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	CADMIUM (TOTAL)	0.14	J	0.09	0.09	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	CALCIUM (TOTAL)	240		39.5	39.5	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	CHROMIUM (TOTAL)	14		0.3	0.41	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	COBALT (TOTAL)	3.6		0.76	0.76	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	COPPER (TOTAL)	6.4	J	0.56	0.56	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	IRON (TOTAL)	12800		4.2	4.2	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	LEAD (TOTAL)	12.7		0.2	0.2	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	MAGNESIUM (TOTAL)	1560		49	49	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	MANGANESE (TOTAL)	71.2		0.2	0.2	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	MOLYBDENUM (TOTAL)	0.58	J	0.37	0.37	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	NICKEL (TOTAL)	7.1		0.76	0.76	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	POTASSIUM (TOTAL)	781		41.8	41.8	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	SELENIUM (TOTAL)	0.76	J	0.43	0.43	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	VANADIUM (TOTAL)	24.7	J	0.46	0.46	mg/Kg
SS102TJ	AX583	1/15/2002	CL200.7	ZINC (TOTAL)	20.1		0.43	0.43	mg/Kg
SS102TJ	AX583	1/15/2002	E350.2	NITROGEN, AMMONIA (AS N)	16.2	J	1.5	2.8	mg/Kg
SS102TJ	AX583	1/15/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.14		0.0043	0.013	mg/Kg
SS102TJ	AX583	1/15/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92.9		1	1.7	mg/Kg
SS102TJ	AX583	1/15/2002	LYDKHN	TOTAL ORGANIC CARBON	20700		0	0	mg/Kg
SS102TJ	AX583	1/15/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	420	ug/Kg
SS102TJ	AX583	1/15/2002	CVOL	ACETONE	140	J	3.81	12	ug/Kg
SS102TJ	AX583	1/15/2002	CVOL	BROMOMETHANE	1	J	1	12	ug/Kg
SS102TJ	AX583	1/15/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	3.6	12	ug/Kg
SS102TJ	AX584	1/15/2002	CL200.7	ALUMINUM (TOTAL)	19600		4.2	4.2	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	ARSENIC (TOTAL)	4.9		0.97	0.97	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	BARIUM (TOTAL)	26.6		0.99	0.99	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	BERYLLIUM (TOTAL)	0.48		0.05	0.05	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	CALCIUM (TOTAL)	275		41.8	41.8	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	CHROMIUM (TOTAL)	20.2		0.3	0.44	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	COBALT (TOTAL)	4.3		0.81	0.81	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	COPPER (TOTAL)	7.2	J	0.6	0.6	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	IRON (TOTAL)	18900		4.5	4.5	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	LEAD (TOTAL)	17.6		0.21	0.21	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	MAGNESIUM (TOTAL)	1920		52	52	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	MANGANESE (TOTAL)	76.9		0.21	0.21	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	MOLYBDENUM (TOTAL)	0.84	J	0.39	0.39	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	NICKEL (TOTAL)	8.9		0.81	0.81	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102TJ	AX584	1/15/2002	CL200.7	POTASSIUM (TOTAL)	1050		44.3	44.3	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	VANADIUM (TOTAL)	35.3	J	0.48	0.48	mg/Kg
SS102TJ	AX584	1/15/2002	CL200.7	ZINC (TOTAL)	23		0.46	0.46	mg/Kg
SS102TJ	AX584	1/15/2002	E350.2	NITROGEN, AMMONIA (AS N)	31		1.5	3.2	mg/Kg
SS102TJ	AX584	1/15/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.17		0.0043	0.014	mg/Kg
SS102TJ	AX584	1/15/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	162		1	2.6	mg/Kg
SS102TJ	AX584	1/15/2002	LYDKHN	TOTAL ORGANIC CARBON	39600		0	0	mg/Kg
SS102TJ	AX584	1/15/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	31	J	31	460	ug/Kg
SS102TJ	AX584	1/15/2002	CVOL	ACETONE	280	J	3.81	18	ug/Kg
SS102TJ	AX584	1/15/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	27	J	3.6	18	ug/Kg
SS102TJ	AX585	1/15/2002	CL200.7	ALUMINUM (TOTAL)	20400		4.9	4.9	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	ARSENIC (TOTAL)	6		1	1.1	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	BARIUM (TOTAL)	25.2		1.2	1.2	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	BERYLLIUM (TOTAL)	0.45		0.05	0.05	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	CALCIUM (TOTAL)	264		49.1	49.1	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	CHROMIUM (TOTAL)	20.4		0.3	0.51	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	COBALT (TOTAL)	3.6		0.95	0.95	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	COPPER (TOTAL)	5.8	J	0.7	0.7	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	IRON (TOTAL)	18600		5.2	5.2	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	LEAD (TOTAL)	16.4		0.24	0.24	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	MAGNESIUM (TOTAL)	1610		61	61	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	MANGANESE (TOTAL)	62.8		0.24	0.24	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	MOLYBDENUM (TOTAL)	1	J	0.46	0.46	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	NICKEL (TOTAL)	7.8		0.95	0.95	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	POTASSIUM (TOTAL)	955		52.1	52.1	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	SELENIUM (TOTAL)	0.71	J	0.54	0.54	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	VANADIUM (TOTAL)	33.3	J	0.57	0.57	mg/Kg
SS102TJ	AX585	1/15/2002	CL200.7	ZINC (TOTAL)	19.2		0.54	0.54	mg/Kg
SS102TJ	AX585	1/15/2002	E350.2	NITROGEN, AMMONIA (AS N)	23.3	J	1.5	3.1	mg/Kg
SS102TJ	AX585	1/15/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.3		0.0043	0.014	mg/Kg
SS102TJ	AX585	1/15/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	125		1	2.7	mg/Kg
SS102TJ	AX585	1/15/2002	LYDKHN	TOTAL ORGANIC CARBON	20900		0	0	mg/Kg
SS102TJ	AX585	1/15/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	29	J	29	460	ug/Kg
SS102TJ	AX585	1/15/2002	CVOL	ACETONE	120	J	3.81	19	ug/Kg
SS102TJ	AX585	1/15/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	3.6	19	ug/Kg
SS102XA	AQ121	5/3/2001	CVOL	ACETONE	58	J	4.04	9	ug/Kg
SS102XA	AQ121	5/3/2001	CVOL	BROMOFORM	1	J	1	9	ug/Kg
SS102XA	AQ121	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	9	ug/Kg
SS102XA	AQ121	5/3/2001	CVOL	TOLUENE	0.8	J	0.8	9	ug/Kg
SS102XA	AQ121	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.9	J	1.5	2.74	mg/Kg
SS102XA	AQ121	5/3/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.0043	0.01	mg/Kg
SS102XA	AQ121	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73.6	J	1	1.93	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
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TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XA	AQ121	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	3050		0	0	mg/Kg
SS102XA	AQ122	5/3/2001	CVOL	ACETONE	110	J	4.04	10	ug/Kg
SS102XA	AQ122	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	10	ug/Kg
SS102XA	AQ122	5/3/2001	CVOL	TOLUENE	1	J	1	10	ug/Kg
SS102XA	AQ122	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.2	J	1.5	2.83	mg/Kg
SS102XA	AQ122	5/3/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102XA	AQ122	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101	J	1	2.31	mg/Kg
SS102XA	AQ122	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	3470		0	0	mg/Kg
SS102XA	AQ123	5/3/2001	CVOL	ACETONE	75	J	4.04	14	ug/Kg
SS102XA	AQ123	5/3/2001	CVOL	BROMOFORM	1	J	1	14	ug/Kg
SS102XA	AQ123	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	14	ug/Kg
SS102XA	AQ123	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	7	J	1.5	2.83	mg/Kg
SS102XA	AQ123	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	95.3	J	1	2.37	mg/Kg
SS102XA	AQ123	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	3410		0	0	mg/Kg
SS102XA	AQ124	5/3/2001	CVOL	ACETONE	42	J	4.04	8	ug/Kg
SS102XA	AQ124	5/3/2001	CVOL	BROMOFORM	0.9	J	0.9	8	ug/Kg
SS102XA	AQ124	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	8	ug/Kg
SS102XA	AQ124	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.2	J	1.5	2.64	mg/Kg
SS102XA	AQ124	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103	J	1	2.31	mg/Kg
SS102XA	AQ124	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	3230		0	0	mg/Kg
SS102XA	AQ125	5/3/2001	CVOL	ACETONE	67	J	4.04	9	ug/Kg
SS102XA	AQ125	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	9	ug/Kg
SS102XA	AQ125	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.4	J	1.5	2.57	mg/Kg
SS102XA	AQ125	5/3/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.06	J	0.0043	0.01	mg/Kg
SS102XA	AQ125	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.1	J	1	2.05	mg/Kg
SS102XA	AQ125	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	4370		0	0	mg/Kg
SS102XA	AQ126	5/3/2001	CVOL	ACETONE	36	J	4.04	10	ug/Kg
SS102XA	AQ126	5/3/2001	CVOL	BROMOFORM	2	J	1.15	10	ug/Kg
SS102XA	AQ126	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	10	ug/Kg
SS102XA	AQ126	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.1	J	1.5	2.54	mg/Kg
SS102XA	AQ126	5/3/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102XA	AQ126	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	71	J	1	2.24	mg/Kg
SS102XA	AQ126	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	2140		0	0	mg/Kg
SS102XA	AQ127	5/3/2001	CVOL	ACETONE	80	J	4.04	10	ug/Kg
SS102XA	AQ127	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	10	ug/Kg
SS102XA	AQ127	5/3/2001	CVOL	TOLUENE	2	J	1.17	10	ug/Kg
SS102XA	AQ127	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.4	J	1.5	2.71	mg/Kg
SS102XA	AQ127	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	111	J	1	2.34	mg/Kg
SS102XA	AQ127	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	2700		0	0	mg/Kg
SS102XA	AQ128	5/3/2001	CVOL	ACETONE	71	J	4.04	11	ug/Kg
SS102XA	AQ128	5/3/2001	CVOL	BROMOFORM	2	J	1.15	11	ug/Kg
SS102XA	AQ128	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	11	ug/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XA	AQ128	5/3/2001	CVOL	TOLUENE	2	J	1.17	11	ug/Kg
SS102XA	AQ128	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.7	J	1.5	2.61	mg/Kg
SS102XA	AQ128	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	107	J	1	2.25	mg/Kg
SS102XA	AQ128	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	3030		0	0	mg/Kg
SS102XA	AQ129	5/3/2001	CVOL	ACETONE	69	J	4.04	9	ug/Kg
SS102XA	AQ129	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	9	ug/Kg
SS102XA	AQ129	5/3/2001	CVOL	TOLUENE	3	J	1.17	9	ug/Kg
SS102XA	AQ129	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	5	J	1.5	2.66	mg/Kg
SS102XA	AQ129	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	85.7	J	1	2.03	mg/Kg
SS102XA	AQ129	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	2470		0	0	mg/Kg
SS102XA	AQ130	5/3/2001	CVOL	ACETONE	61	J	4.04	11	ug/Kg
SS102XA	AQ130	5/3/2001	CVOL	BROMOFORM	1	J	1	11	ug/Kg
SS102XA	AQ130	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	11	ug/Kg
SS102XA	AQ130	5/3/2001	CVOL	TOLUENE	1	J	1	11	ug/Kg
SS102XA	AQ130	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.8	J	1.5	2.63	mg/Kg
SS102XA	AQ130	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101	J	1	2.18	mg/Kg
SS102XA	AQ130	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	4250		0	0	mg/Kg
SS102XA	AQ131	5/3/2001	CVOL	ACETONE	50	J	4.04	10	ug/Kg
SS102XA	AQ131	5/3/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102XA	AQ131	5/3/2001	CVOL	TOLUENE	1	J	1	10	ug/Kg
SS102XA	AQ131	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.2	J	1.5	2.43	mg/Kg
SS102XA	AQ131	5/3/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102XA	AQ131	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	104	J	1	2.26	mg/Kg
SS102XA	AQ131	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	2190		0	0	mg/Kg
SS102XA	AQ132	5/3/2001	CVOL	ACETONE	29	J	4.04	8	ug/Kg
SS102XA	AQ132	5/3/2001	CVOL	BROMOFORM	0.8	J	0.8	8	ug/Kg
SS102XA	AQ132	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	8	ug/Kg
SS102XA	AQ132	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	7	J	1.5	2.43	mg/Kg
SS102XA	AQ132	5/3/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.0043	0.01	mg/Kg
SS102XA	AQ132	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	49.1	J	1	1.75	mg/Kg
SS102XA	AQ132	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	940	J	0	0	mg/Kg
SS102XA	AQ133	5/3/2001	CVOL	ACETONE	80	J	4.04	8	ug/Kg
SS102XA	AQ133	5/3/2001	CVOL	BROMOFORM	0.7	J	0.7	8	ug/Kg
SS102XA	AQ133	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	8	ug/Kg
SS102XA	AQ133	5/3/2001	CVOL	TOLUENE	2	J	1.17	8	ug/Kg
SS102XA	AQ133	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	5	J	1.5	2.5	mg/Kg
SS102XA	AQ133	5/3/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102XA	AQ133	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86.8	J	1	1.7	mg/Kg
SS102XA	AQ134	5/3/2001	CVOL	ACETONE	110	J	4.04	8	ug/Kg
SS102XA	AQ134	5/3/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	8	ug/Kg
SS102XA	AQ134	5/3/2001	CVOL	TOLUENE	3	J	1.17	8	ug/Kg
SS102XA	AQ134	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.4	J	1.5	2.53	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XA	AQ134	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	44.3	J	1	1.76	mg/Kg
SS102XA	AQ134	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	1860		0	0	mg/Kg
SS102XA	AQ135	5/3/2001	CVOL	BROMOFORM	0.9	J	0.9	9	ug/Kg
SS102XA	AQ135	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	34.4		1	2.03	mg/Kg
SS102XA	AQ135	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	1370		0	0	mg/Kg
SS102XA	AQ136	5/3/2001	CVOL	ACETONE	47	J	4.04	8	ug/Kg
SS102XA	AQ136	5/3/2001	CVOL	TOLUENE	1	J	1	8	ug/Kg
SS102XA	AQ136	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	15.1	J	1.5	2.45	mg/Kg
SS102XA	AQ136	5/3/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.0043	0.01	mg/Kg
SS102XA	AQ136	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	52.3		1	1.97	mg/Kg
SS102XA	AQ136	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	1540		0	0	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	ALUMINUM (TOTAL)	12400		5.27	5.27	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	ARSENIC (TOTAL)	4.43	J	1.47	1.47	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	BARIUM (TOTAL)	15.8		0.0252	0.0252	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.52		0.0432	0.0432	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	BORON (TOTAL)	3.7		0.18	0.18	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	CALCIUM (TOTAL)	108		3.38	3.38	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	CHROMIUM (TOTAL)	16.1		0.216	0.216	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	COBALT (TOTAL)	3.3		0.324	0.324	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	COPPER (TOTAL)	5.6		0.216	0.216	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	IRON (TOTAL)	15300		3.38	3.38	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	LEAD (TOTAL)	6.12		1.37	1.37	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	2130		3.43	3.43	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	MANGANESE (TOTAL)	89.5		0.0935	0.0935	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	NICKEL (TOTAL)	8.8		0.324	0.324	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	POTASSIUM (TOTAL)	682		174	174	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	VANADIUM (TOTAL)	21.8		0.198	0.198	mg/Kg
SS102XA	AQ137	5/3/2001	CL200.7	ZINC (TOTAL)	22.6		0.103	0.103	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	ALUMINUM (TOTAL)	13900		6.15	6.15	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	ARSENIC (TOTAL)	5.33	J	1.15	1.15	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	BARIUM (TOTAL)	40.6		0.0294	0.0294	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	BORON (TOTAL)	3.7		0.21	0.21	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	CALCIUM (TOTAL)	101		3.95	3.95	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	CHROMIUM (TOTAL)	17.8		0.252	0.252	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	COBALT (TOTAL)	3.3		0.378	0.378	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	COPPER (TOTAL)	6.1		0.252	0.252	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	IRON (TOTAL)	16300		3.95	3.95	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	LEAD (TOTAL)	7.12		1.35	1.35	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	2210		4.01	4.01	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	MANGANESE (TOTAL)	91.7		0.109	0.109	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	NICKEL (TOTAL)	8.9		0.378	0.378	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	POTASSIUM (TOTAL)	710		203	203	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XA	AQ138	5/3/2001	CL200.7	VANADIUM (TOTAL)	24.4		0.231	0.231	mg/Kg
SS102XA	AQ138	5/3/2001	CL200.7	ZINC (TOTAL)	23.4		0.12	0.12	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	ALUMINUM (TOTAL)	13000		5.42	5.42	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	ARSENIC (TOTAL)	5.24	J	1.21	1.21	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	BARIUM (TOTAL)	30.3		0.0259	0.0259	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.48		0.0444	0.0444	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	BORON (TOTAL)	4.6		0.185	0.185	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	CALCIUM (TOTAL)	104		3.48	3.48	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	CHROMIUM (TOTAL)	16.3		0.222	0.222	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	COBALT (TOTAL)	3.2		0.333	0.333	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	COPPER (TOTAL)	6.6		0.222	0.222	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	IRON (TOTAL)	16000		3.48	3.48	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	LEAD (TOTAL)	7.57		1.42	1.42	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	2110		3.53	3.53	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	MANGANESE (TOTAL)	92.8		0.0962	0.0962	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	MOLYBDENUM (TOTAL)	0.88	J	0.629	0.629	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	NICKEL (TOTAL)	8.3		0.333	0.333	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	POTASSIUM (TOTAL)	619		179	179	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	SELENIUM (TOTAL)	0.314	J	0.265	0.265	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	VANADIUM (TOTAL)	23.1		0.204	0.204	mg/Kg
SS102XA	AQ139	5/3/2001	CL200.7	ZINC (TOTAL)	23.8		0.106	0.106	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	ALUMINUM (TOTAL)	12100		5.87	5.87	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	ARSENIC (TOTAL)	4.56	J	1.16	1.16	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	BARIUM (TOTAL)	15.9		0.0281	0.0281	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	CALCIUM (TOTAL)	75.8		3.77	3.77	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	CHROMIUM (TOTAL)	15		0.241	0.241	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	COBALT (TOTAL)	2.8		0.361	0.361	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	COPPER (TOTAL)	4.9		0.241	0.241	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	IRON (TOTAL)	15000		3.77	3.77	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	LEAD (TOTAL)	6.02		1.36	1.36	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	1950		3.83	3.83	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	MANGANESE (TOTAL)	80.3		0.104	0.104	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	NICKEL (TOTAL)	7.9		0.361	0.361	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	POTASSIUM (TOTAL)	644		194	194	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	VANADIUM (TOTAL)	21		0.221	0.221	mg/Kg
SS102XA	AQ140	5/3/2001	CL200.7	ZINC (TOTAL)	19.2		0.114	0.114	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	ALUMINUM (TOTAL)	11700		6.15	6.15	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	ARSENIC (TOTAL)	4.2	J	0.576	0.576	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	BARIUM (TOTAL)	18.4		0.0294	0.0294	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	BORON (TOTAL)	3.9		0.21	0.21	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	CALCIUM (TOTAL)	116		3.94	3.94	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	CHROMIUM (TOTAL)	15.6		0.252	0.252	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XA	AQ141	5/3/2001	CL200.7	COBALT (TOTAL)	2.7		0.378	0.378	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	COPPER (TOTAL)	7.9		0.252	0.252	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	IRON (TOTAL)	14600		3.94	3.94	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	LEAD (TOTAL)	6.4		1.35	1.35	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	2030		4.01	4.01	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	MANGANESE (TOTAL)	89		0.109	0.109	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	NICKEL (TOTAL)	7.8		0.378	0.378	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	POTASSIUM (TOTAL)	699		203	203	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	VANADIUM (TOTAL)	22.5		0.231	0.231	mg/Kg
SS102XA	AQ141	5/3/2001	CL200.7	ZINC (TOTAL)	24		0.12	0.12	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	ALUMINUM (TOTAL)	11100		5.62	5.62	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	ARSENIC (TOTAL)	3.56	J	0.592	0.592	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	BARIUM (TOTAL)	15.5		0.0269	0.0269	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.5		0.0461	0.0461	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	BORON (TOTAL)	5.2		0.192	0.192	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	CALCIUM (TOTAL)	99		3.61	3.61	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	CHROMIUM (TOTAL)	14.5		0.23	0.23	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	COBALT (TOTAL)	3.3		0.346	0.346	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	COPPER (TOTAL)	5.6		0.23	0.23	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	IRON (TOTAL)	14300		3.61	3.61	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	LEAD (TOTAL)	4.48		1.39	1.39	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	2000		3.67	3.67	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	MANGANESE (TOTAL)	84.9		0.0998	0.0998	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	NICKEL (TOTAL)	8		0.346	0.346	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	POTASSIUM (TOTAL)	626		186	186	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	VANADIUM (TOTAL)	19.9		0.211	0.211	mg/Kg
SS102XA	AQ142	5/3/2001	CL200.7	ZINC (TOTAL)	18.5		0.109	0.109	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	ALUMINUM (TOTAL)	12400		5.93	5.93	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	ARSENIC (TOTAL)	6.44	J	1.29	1.29	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	BARIUM (TOTAL)	16.8		0.0283	0.0283	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.54		0.0485	0.0485	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	CALCIUM (TOTAL)	97.8		3.8	3.8	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	CHROMIUM (TOTAL)	16.4		0.243	0.243	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	COBALT (TOTAL)	3.4		0.364	0.364	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	COPPER (TOTAL)	5.8		0.243	0.243	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	IRON (TOTAL)	16100		3.8	3.8	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	LEAD (TOTAL)	5.14		1.51	1.51	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	2270		3.86	3.86	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	MANGANESE (TOTAL)	99.7		0.105	0.105	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	MOLYBDENUM (TOTAL)	0.73	J	0.688	0.688	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	NICKEL (TOTAL)	8.6		0.364	0.364	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	POTASSIUM (TOTAL)	676		196	196	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XA	AQ143	5/3/2001	CL200.7	VANADIUM (TOTAL)	22.3		0.223	0.223	mg/Kg
SS102XA	AQ143	5/3/2001	CL200.7	ZINC (TOTAL)	21.1		0.115	0.115	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	ALUMINUM (TOTAL)	10700		6.1	6.1	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	ARSENIC (TOTAL)	3.86	J	1.18	1.18	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	BARIUM (TOTAL)	16.5		0.0291	0.0291	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.48		0.0499	0.0499	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	CALCIUM (TOTAL)	81.5		3.91	3.91	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	CHROMIUM (TOTAL)	13.9		0.25	0.25	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	COBALT (TOTAL)	3.3		0.375	0.375	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	COPPER (TOTAL)	5.5		0.25	0.25	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	IRON (TOTAL)	13800		3.91	3.91	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	LEAD (TOTAL)	5.1		1.38	1.38	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	1970		3.97	3.97	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	MANGANESE (TOTAL)	87.4		0.108	0.108	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	NICKEL (TOTAL)	7.8		0.375	0.375	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	POTASSIUM (TOTAL)	758		201	201	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	VANADIUM (TOTAL)	19.5		0.229	0.229	mg/Kg
SS102XA	AQ144	5/3/2001	CL200.7	ZINC (TOTAL)	19.1		0.119	0.119	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	ALUMINUM (TOTAL)	8470		5.79	5.79	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	ARSENIC (TOTAL)	3.3	J	1.15	1.15	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	BARIUM (TOTAL)	12.3		0.0277	0.0277	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.39		0.0474	0.0474	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	CALCIUM (TOTAL)	82		3.72	3.72	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	CHROMIUM (TOTAL)	11.2		0.237	0.237	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	COBALT (TOTAL)	2.8		0.356	0.356	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	COPPER (TOTAL)	23.5		0.237	0.237	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	IRON (TOTAL)	11000		3.72	3.72	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	LEAD (TOTAL)	4.29		1.34	1.34	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	1470		3.78	3.78	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	MANGANESE (TOTAL)	67.2		0.103	0.103	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	NICKEL (TOTAL)	6.6		0.356	0.356	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	POTASSIUM (TOTAL)	604		191	191	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	VANADIUM (TOTAL)	15.7		0.218	0.218	mg/Kg
SS102XA	AQ145	5/3/2001	CL200.7	ZINC (TOTAL)	25.7		0.113	0.113	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	ALUMINUM (TOTAL)	9140		5.63	5.63	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	ARSENIC (TOTAL)	3.49	J	0.609	0.609	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	BARIUM (TOTAL)	12.6		0.0269	0.0269	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.41		0.0461	0.0461	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	CALCIUM (TOTAL)	62.8		3.61	3.61	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	CHROMIUM (TOTAL)	11.7		0.231	0.231	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	COBALT (TOTAL)	3.2		0.346	0.346	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	COPPER (TOTAL)	5.6		0.231	0.231	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XA	AQ146	5/3/2001	CL200.7	IRON (TOTAL)	11500		3.61	3.61	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	LEAD (TOTAL)	4.51		1.43	1.43	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	1770		3.67	3.67	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	MANGANESE (TOTAL)	84.8		0.1	0.1	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	MOLYBDENUM (TOTAL)	0.78	J	0.654	0.654	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	NICKEL (TOTAL)	7.3		0.346	0.346	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	POTASSIUM (TOTAL)	525		186	186	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	VANADIUM (TOTAL)	16.5		0.212	0.212	mg/Kg
SS102XA	AQ146	5/3/2001	CL200.7	ZINC (TOTAL)	18.1		0.11	0.11	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	ALUMINUM (TOTAL)	9600		5.56	5.56	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	ARSENIC (TOTAL)	3.98	J	0.599	0.599	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	BARIUM (TOTAL)	13.6		0.0265	0.0265	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.48		0.0455	0.0455	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	BORON (TOTAL)	3.7		0.19	0.19	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	CALCIUM (TOTAL)	92.2		3.57	3.57	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	CHROMIUM (TOTAL)	12.8		0.228	0.228	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	COBALT (TOTAL)	3.4		0.341	0.341	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	COPPER (TOTAL)	6.5		0.228	0.228	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	IRON (TOTAL)	12400		3.57	3.57	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	LEAD (TOTAL)	4.29		1.4	1.4	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	1850		3.62	3.62	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	MANGANESE (TOTAL)	88.1		0.0986	0.0986	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	NICKEL (TOTAL)	7.5		0.341	0.341	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	POTASSIUM (TOTAL)	717		184	184	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	SELENIUM (TOTAL)	0.26	J	0.26	0.26	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	VANADIUM (TOTAL)	17.9		0.209	0.209	mg/Kg
SS102XA	AQ147	5/3/2001	CL200.7	ZINC (TOTAL)	17.9		0.108	0.108	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	ALUMINUM (TOTAL)	3390		4.66	4.66	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	ARSENIC (TOTAL)	1.4	J	0.811	0.811	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	BARIUM (TOTAL)	5.9		0.0223	0.0223	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.23	J	0.0381	0.0381	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	CALCIUM (TOTAL)	57.3		2.99	2.99	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	CHROMIUM (TOTAL)	4.9		0.191	0.191	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	COBALT (TOTAL)	2.2		0.286	0.286	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	COPPER (TOTAL)	1.9	J	0.191	0.191	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	IRON (TOTAL)	5320		2.99	2.99	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	LEAD (TOTAL)	1.9		1.32	1.32	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	728		9.87	9.87	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	MANGANESE (TOTAL)	69.7		0.0826	0.0826	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	NICKEL (TOTAL)	3.3	J	0.286	0.286	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	POTASSIUM (TOTAL)	309	J	3.67	3.67	mg/Kg
SS102XA	AQ148	5/3/2001	CL200.7	VANADIUM (TOTAL)	8		0.175	0.175	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XA	AQ148	5/3/2001	CL200.7	ZINC (TOTAL)	8.6	J	0.0906	0.0906	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	ALUMINUM (TOTAL)	8550		5.45	5.45	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	ARSENIC (TOTAL)	4.7		0.949	0.949	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	BARIUM (TOTAL)	14.1		0.026	0.026	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.52	J	0.0447	0.0447	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	CALCIUM (TOTAL)	115		3.5	3.5	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	CHROMIUM (TOTAL)	13		0.223	0.223	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	COBALT (TOTAL)	3.3		0.335	0.335	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	COPPER (TOTAL)	3.9	J	0.223	0.223	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	IRON (TOTAL)	12200		3.5	3.5	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	LEAD (TOTAL)	2.6		1.54	1.54	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	1680		11.6	11.6	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	MANGANESE (TOTAL)	85.1		0.0967	0.0967	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	MOLYBDENUM (TOTAL)	0.86	J	0.633	0.633	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	NICKEL (TOTAL)	7.3		0.335	0.335	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	POTASSIUM (TOTAL)	728	J	4.3	4.3	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	VANADIUM (TOTAL)	18.3		0.205	0.205	mg/Kg
SS102XA	AQ149	5/3/2001	CL200.7	ZINC (TOTAL)	17.3	J	0.106	0.106	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	ALUMINUM (TOTAL)	4080		5.19	5.19	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	ARSENIC (TOTAL)	1.9		0.903	0.903	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	BARIUM (TOTAL)	8.1		0.0248	0.0248	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.28	J	0.0425	0.0425	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	CALCIUM (TOTAL)	52.6		3.33	3.33	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	CHROMIUM (TOTAL)	5.2		0.212	0.212	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	COBALT (TOTAL)	2.4		0.319	0.319	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	COPPER (TOTAL)	1.7	J	0.212	0.212	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	IRON (TOTAL)	5640		3.33	3.33	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	LEAD (TOTAL)	3.1		0.582	0.582	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	732		11	11	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	MANGANESE (TOTAL)	57.3		0.092	0.092	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	NICKEL (TOTAL)	3.4	J	0.319	0.319	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	POTASSIUM (TOTAL)	336	J	4.09	4.09	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	SELENIUM (TOTAL)	0.37	J	0.272	0.272	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	VANADIUM (TOTAL)	8.4		0.195	0.195	mg/Kg
SS102XA	AQ150	5/3/2001	CL200.7	ZINC (TOTAL)	9.3	J	0.101	0.101	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	ALUMINUM (TOTAL)	2470		4.96	4.96	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	ARSENIC (TOTAL)	2.1		0.863	0.863	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	BARIUM (TOTAL)	4.6		0.0237	0.0237	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.22	J	0.0406	0.0406	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	CHROMIUM (TOTAL)	3.8		0.203	0.203	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	COBALT (TOTAL)	1.9		0.305	0.305	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	COPPER (TOTAL)	0.36	J	0.203	0.203	mg/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XA	AQ151	5/3/2001	CL200.7	IRON (TOTAL)	4110		3.18	3.18	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	LEAD (TOTAL)	2.3		0.447	0.447	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	444		10.5	10.5	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	MANGANESE (TOTAL)	44.4		0.088	0.088	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	NICKEL (TOTAL)	2.3	J	0.305	0.305	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	POTASSIUM (TOTAL)	189	J	3.91	3.91	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	VANADIUM (TOTAL)	6.3		0.186	0.186	mg/Kg
SS102XA	AQ151	5/3/2001	CL200.7	ZINC (TOTAL)	6.3	J	0.0965	0.0965	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	ALUMINUM (TOTAL)	4310		5.01	5.01	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	ARSENIC (TOTAL)	1.6	J	0.873	0.873	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	BARIUM (TOTAL)	6.7		0.024	0.024	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.3	J	0.0411	0.0411	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	CALCIUM (TOTAL)	56.2		3.22	3.22	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	CHROMIUM (TOTAL)	6.2		0.205	0.205	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	COBALT (TOTAL)	2.8		0.308	0.308	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	COPPER (TOTAL)	2	J	0.205	0.205	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	IRON (TOTAL)	6810		3.22	3.22	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	LEAD (TOTAL)	2		1.51	1.51	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	977		10.6	10.6	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	MANGANESE (TOTAL)	95.6		0.089	0.089	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	NICKEL (TOTAL)	4.1		0.308	0.308	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	POTASSIUM (TOTAL)	326	J	3.95	3.95	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	SELENIUM (TOTAL)	0.29	J	0.281	0.281	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	VANADIUM (TOTAL)	10.2		0.188	0.188	mg/Kg
SS102XA	AQ152	5/3/2001	CL200.7	ZINC (TOTAL)	12.6	J	0.0975	0.0975	mg/Kg
SS102XB	AQ170	5/3/2001	CVOL	ACETONE	76	J	4.04	12	ug/Kg
SS102XB	AQ170	5/3/2001	CVOL	BROMOFORM	2	J	1.15	12	ug/Kg
SS102XB	AQ170	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	116		1	2.24	mg/Kg
SS102XB	AQ170	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	4190		0	0	mg/Kg
SS102XB	AQ171	5/3/2001	CVOL	ACETONE	27	J	4.04	8	ug/Kg
SS102XB	AQ171	5/3/2001	CVOL	BROMOFORM	1	J	1	8	ug/Kg
SS102XB	AQ171	5/3/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102XB	AQ171	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86.7		1	1.85	mg/Kg
SS102XB	AQ171	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	2920		0	0	mg/Kg
SS102XB	AQ172	5/3/2001	CVOL	ACETONE	27	J	4.04	14	ug/Kg
SS102XB	AQ172	5/3/2001	CVOL	BROMOFORM	2	J	1.15	14	ug/Kg
SS102XB	AQ172	5/3/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102XB	AQ172	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	100		1	2.21	mg/Kg
SS102XB	AQ172	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	2120		0	0	mg/Kg
SS102XB	AQ173	5/3/2001	CVOL	ACETONE	86	J	4.04	10	ug/Kg
SS102XB	AQ173	5/3/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg
SS102XB	AQ173	5/3/2001	CVOL	TOLUENE	1	J	1	10	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XB	AQ173	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	143		1	2.62	mg/Kg
SS102XB	AQ173	5/3/2001	LYDKHN	TOTAL ORGANIC CARBON	4400		0	0	mg/Kg
SS102XB	AQ174	5/3/2001	CVOL	ACETONE	130	J	4.04	24	ug/Kg
SS102XB	AQ174	5/3/2001	CVOL	BROMOFORM	2	J	1.15	24	ug/Kg
SS102XB	AQ174	5/3/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.6		1.5	2.44	mg/Kg
SS102XB	AQ174	5/3/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114		1	2.01	mg/Kg
SS102XB	AQ175	5/4/2001	CVOL	ACETONE	23	J	4.04	8	ug/Kg
SS102XB	AQ175	5/4/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	1.5	2.66	mg/Kg
SS102XB	AQ175	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102XB	AQ175	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	89		1	2	mg/Kg
SS102XB	AQ175	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	2010		0	0	mg/Kg
SS102XB	AQ176	5/4/2001	CVOL	ACETONE	21	J	4.04	9	ug/Kg
SS102XB	AQ176	5/4/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.8	J	1.5	2.41	mg/Kg
SS102XB	AQ176	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.0043	0.01	mg/Kg
SS102XB	AQ176	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.7		1	1.71	mg/Kg
SS102XB	AQ176	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	3810	J	0	0	mg/Kg
SS102XB	AQ177	5/4/2001	CVOL	ACETONE	29	J	4.04	10	ug/Kg
SS102XB	AQ177	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.0043	0.01	mg/Kg
SS102XB	AQ177	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92.1		1	1.94	mg/Kg
SS102XB	AQ177	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	1870		0	0	mg/Kg
SS102XB	AQ178	5/4/2001	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	1.2	J	0.301	1.9	ug/Kg
SS102XB	AQ178	5/4/2001	CVOL	ACETONE	50	J	4.04	11	ug/Kg
SS102XB	AQ178	5/4/2001	CVOL	BROMOFORM	2	J	1.15	11	ug/Kg
SS102XB	AQ178	5/4/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	11	ug/Kg
SS102XB	AQ178	5/4/2001	CVOL	TOLUENE	1	J	1	11	ug/Kg
SS102XB	AQ178	5/4/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.1	J	1.5	2.68	mg/Kg
SS102XB	AQ178	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86		1	1.97	mg/Kg
SS102XB	AQ178	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	2620		0	0	mg/Kg
SS102XB	AQ179	5/4/2001	CVOL	ACETONE	32	J	4.04	10	ug/Kg
SS102XB	AQ179	5/4/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	10	ug/Kg
SS102XB	AQ179	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102XB	AQ179	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	84.5		1	1.74	mg/Kg
SS102XB	AQ179	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	1610		0	0	mg/Kg
SS102XB	AQ180	5/4/2001	CVOL	ACETONE	24	J	4.04	8	ug/Kg
SS102XB	AQ180	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.0043	0.01	mg/Kg
SS102XB	AQ180	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	58.9		1	1.4	mg/Kg
SS102XB	AQ181	5/4/2001	CVOL	ACETONE	120	J	4.04	9	ug/Kg
SS102XB	AQ181	5/4/2001	CVOL	BROMOFORM	2	J	1.15	9	ug/Kg
SS102XB	AQ181	5/4/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	9	ug/Kg
SS102XB	AQ181	5/4/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.3	J	1.5	2.58	mg/Kg
SS102XB	AQ181	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.0043	0.01	mg/Kg
SS102XB	AQ181	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	70.6		1	2.07	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XB	AQ181	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	4680		0	0	mg/Kg
SS102XB	AQ182	5/4/2001	CVOL	ACETONE	56	J	4.04	10	ug/Kg
SS102XB	AQ182	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.05	J	0.0043	0.01	mg/Kg
SS102XB	AQ182	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	72.7		1	1.63	mg/Kg
SS102XB	AQ182	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	4220		0	0	mg/Kg
SS102XB	AQ183	5/4/2001	CVOL	ACETONE	55	J	4.04	9	ug/Kg
SS102XB	AQ183	5/4/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	4.56	9	ug/Kg
SS102XB	AQ183	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.0043	0.01	mg/Kg
SS102XB	AQ183	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	77.4		1	1.84	mg/Kg
SS102XB	AQ183	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	2810		0	0	mg/Kg
SS102XB	AQ184	5/4/2001	CVOL	ACETONE	46	J	4.04	10	ug/Kg
SS102XB	AQ184	5/4/2001	CVOL	BROMOFORM	3	J	1.15	10	ug/Kg
SS102XB	AQ184	5/4/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	10	ug/Kg
SS102XB	AQ184	5/4/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.8	J	1.5	2.48	mg/Kg
SS102XB	AQ184	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.0043	0.01	mg/Kg
SS102XB	AQ184	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.4		1	2.06	mg/Kg
SS102XB	AQ184	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	3160		0	0	mg/Kg
SS102XB	AQ185	5/4/2001	CVOL	ACETONE	220	J	4.04	8	ug/Kg
SS102XB	AQ185	5/4/2001	CVOL	BROMOFORM	2	J	1.15	8	ug/Kg
SS102XB	AQ185	5/4/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	4.56	8	ug/Kg
SS102XB	AQ185	5/4/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.3	J	1.5	2.43	mg/Kg
SS102XB	AQ185	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.05	J	0.0043	0.01	mg/Kg
SS102XB	AQ185	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	78.3		1	1.91	mg/Kg
SS102XB	AQ185	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	3300		0	0	mg/Kg
SS102XB	AQ186	5/4/2001	CVOL	ACETONE	170	J	4.04	18	ug/Kg
SS102XB	AQ186	5/4/2001	CVOL	BROMOFORM	5	J	1.15	18	ug/Kg
SS102XB	AQ186	5/4/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	4.56	18	ug/Kg
SS102XB	AQ186	5/4/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	1.5	2.42	mg/Kg
SS102XB	AQ186	5/4/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.0043	0.01	mg/Kg
SS102XB	AQ186	5/4/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	111		1	1.97	mg/Kg
SS102XB	AQ186	5/4/2001	LYDKHN	TOTAL ORGANIC CARBON	3790		0	0	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	ALUMINUM (TOTAL)	11700		5.22	5.22	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	ARSENIC (TOTAL)	3.9		0.909	0.909	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	BARIUM (TOTAL)	16.4		0.0249	0.0249	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.45	J	0.0428	0.0428	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	CALCIUM (TOTAL)	108		3.35	3.35	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	CHROMIUM (TOTAL)	16.2		0.214	0.214	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	COBALT (TOTAL)	4.2		0.321	0.321	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	COPPER (TOTAL)	3.8	J	0.214	0.214	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	IRON (TOTAL)	14100		3.35	3.35	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	LEAD (TOTAL)	4.5		1.55	1.55	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	1860		11.1	11.1	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XB	AQ187	5/3/2001	CL200.7	MANGANESE (TOTAL)	87.7		0.0926	0.0926	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	NICKEL (TOTAL)	8.4		0.321	0.321	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	POTASSIUM (TOTAL)	679	J	4.11	4.11	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	VANADIUM (TOTAL)	22.3		0.196	0.196	mg/Kg
SS102XB	AQ187	5/3/2001	CL200.7	ZINC (TOTAL)	19	J	0.102	0.102	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	ALUMINUM (TOTAL)	8380		5.19	5.19	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	ARSENIC (TOTAL)	3.9		0.904	0.904	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	BARIUM (TOTAL)	18		0.0248	0.0248	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.42	J	0.0425	0.0425	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	BORON (TOTAL)	4.4		0.177	0.177	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	CALCIUM (TOTAL)	103		3.33	3.33	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	CHROMIUM (TOTAL)	12.4		0.213	0.213	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	COBALT (TOTAL)	3.5		0.319	0.319	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	COPPER (TOTAL)	5.6	J	0.213	0.213	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	IRON (TOTAL)	11800		3.33	3.33	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	LEAD (TOTAL)	4.4		1.42	1.42	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	1570		11	11	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	MANGANESE (TOTAL)	96.9		0.0922	0.0922	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	NICKEL (TOTAL)	7.2		0.319	0.319	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	POTASSIUM (TOTAL)	647	J	4.1	4.1	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	VANADIUM (TOTAL)	18.4		0.195	0.195	mg/Kg
SS102XB	AQ188	5/3/2001	CL200.7	ZINC (TOTAL)	18.1	J	0.101	0.101	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	ALUMINUM (TOTAL)	7130		5.01	5.01	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	ANTIMONY (TOTAL)	1.8	J	1.37	1.37	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	ARSENIC (TOTAL)	3		0.872	0.872	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	BARIUM (TOTAL)	11.2		0.0239	0.0239	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.34	J	0.041	0.041	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	CALCIUM (TOTAL)	65.9		3.22	3.22	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	CHROMIUM (TOTAL)	10.1		0.205	0.205	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	COBALT (TOTAL)	2.5		0.308	0.308	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	COPPER (TOTAL)	3.3	J	0.205	0.205	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	IRON (TOTAL)	9780		3.22	3.22	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	LEAD (TOTAL)	3.2		1.2	1.2	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	1290		10.6	10.6	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	MANGANESE (TOTAL)	71.4		0.0889	0.0889	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	NICKEL (TOTAL)	5.8		0.308	0.308	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	POTASSIUM (TOTAL)	499	J	3.95	3.95	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	VANADIUM (TOTAL)	14.9		0.188	0.188	mg/Kg
SS102XB	AQ189	5/3/2001	CL200.7	ZINC (TOTAL)	14.3	J	0.0975	0.0975	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	ALUMINUM (TOTAL)	12800		6.26	6.26	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	ANTIMONY (TOTAL)	2.3	J	1.71	1.71	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	ARSENIC (TOTAL)	4.3		1.09	1.09	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XB	AQ190	5/3/2001	CL200.7	BARIUM (TOTAL)	36.7		0.0299	0.0299	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.51	J	0.0513	0.0513	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	BORON (TOTAL)	5		0.214	0.214	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	CALCIUM (TOTAL)	143		4.02	4.02	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	CHROMIUM (TOTAL)	17.7		0.256	0.256	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	COBALT (TOTAL)	3.2		0.385	0.385	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	COPPER (TOTAL)	4.5	J	0.256	0.256	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	IRON (TOTAL)	15400		4.02	4.02	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	LEAD (TOTAL)	3.9		1.72	1.72	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	2080		13.3	13.3	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	MANGANESE (TOTAL)	103		0.111	0.111	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	NICKEL (TOTAL)	8.2		0.385	0.385	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	POTASSIUM (TOTAL)	749	J	4.93	4.93	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	VANADIUM (TOTAL)	27.1		0.235	0.235	mg/Kg
SS102XB	AQ190	5/3/2001	CL200.7	ZINC (TOTAL)	22.2	J	0.122	0.122	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	ALUMINUM (TOTAL)	7920		5.43	5.43	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	ARSENIC (TOTAL)	5.7		0.946	0.946	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	BARIUM (TOTAL)	13.8		0.026	0.026	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	BERYLLIUM (TOTAL)	0.44	J	0.0445	0.0445	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	CALCIUM (TOTAL)	109		3.49	3.49	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	CHROMIUM (TOTAL)	11.5		0.223	0.223	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	COBALT (TOTAL)	3.8		0.334	0.334	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	COPPER (TOTAL)	3.8	J	0.223	0.223	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	IRON (TOTAL)	11500		3.49	3.49	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	LEAD (TOTAL)	3.7		1.47	1.47	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	MAGNESIUM (TOTAL)	1590		11.5	11.5	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	MANGANESE (TOTAL)	97.1		0.0964	0.0964	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	NICKEL (TOTAL)	7.5		0.334	0.334	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	POTASSIUM (TOTAL)	641	J	4.28	4.28	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	VANADIUM (TOTAL)	18.1		0.204	0.204	mg/Kg
SS102XB	AQ191	5/3/2001	CL200.7	ZINC (TOTAL)	18.3	J	0.106	0.106	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	ALUMINUM (TOTAL)	9730		5.51	5.51	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	ARSENIC (TOTAL)	4.4		0.96	0.96	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	BARIUM (TOTAL)	12.7		0.0263	0.0263	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	BERYLLIUM (TOTAL)	0.44	J	0.0452	0.0452	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	CALCIUM (TOTAL)	107		3.54	3.54	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	CHROMIUM (TOTAL)	13.7		0.226	0.226	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	COBALT (TOTAL)	3.5		0.339	0.339	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	COPPER (TOTAL)	3.6	J	0.226	0.226	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	IRON (TOTAL)	12400		3.54	3.54	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	LEAD (TOTAL)	153		6.44	6.44	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1750		11.7	11.7	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XB	AQ192	5/4/2001	CL200.7	MANGANESE (TOTAL)	95.9		0.0979	0.0979	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	NICKEL (TOTAL)	7.2		0.339	0.339	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	POTASSIUM (TOTAL)	654	J	4.35	4.35	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	VANADIUM (TOTAL)	19		0.207	0.207	mg/Kg
SS102XB	AQ192	5/4/2001	CL200.7	ZINC (TOTAL)	17.2	J	0.107	0.107	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	ALUMINUM (TOTAL)	6030		4.66	4.66	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	ARSENIC (TOTAL)	3.5		0.81	0.81	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	BARIUM (TOTAL)	11.8		0.0222	0.0222	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	BERYLLIUM (TOTAL)	0.44	J	0.0381	0.0381	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	CALCIUM (TOTAL)	84.9		2.99	2.99	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	CHROMIUM (TOTAL)	10.5		0.191	0.191	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	COBALT (TOTAL)	4.9		0.286	0.286	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	COPPER (TOTAL)	3.9	J	0.191	0.191	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	IRON (TOTAL)	10500		2.99	2.99	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	LEAD (TOTAL)	3.8		1.44	1.44	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1340		9.87	9.87	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	MANGANESE (TOTAL)	128		0.0826	0.0826	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	NICKEL (TOTAL)	6.8		0.286	0.286	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	POTASSIUM (TOTAL)	514	J	3.67	3.67	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	VANADIUM (TOTAL)	16.2		0.175	0.175	mg/Kg
SS102XB	AQ193	5/4/2001	CL200.7	ZINC (TOTAL)	16	J	0.0906	0.0906	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	ALUMINUM (TOTAL)	5590		4.54	4.54	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	ARSENIC (TOTAL)	3.5		0.791	0.791	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	BARIUM (TOTAL)	7.7		0.0217	0.0217	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	BERYLLIUM (TOTAL)	0.32	J	0.0372	0.0372	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	CALCIUM (TOTAL)	65.7		2.92	2.92	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	CHROMIUM (TOTAL)	10.1		0.186	0.186	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	COBALT (TOTAL)	3.3		0.279	0.279	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	COPPER (TOTAL)	2.8	J	0.186	0.186	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	IRON (TOTAL)	8780		2.92	2.92	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	LEAD (TOTAL)	3.2		0.275	0.275	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1210		9.63	9.63	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	MANGANESE (TOTAL)	102		0.0806	0.0806	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	NICKEL (TOTAL)	5.9		0.279	0.279	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	POTASSIUM (TOTAL)	399	J	3.58	3.58	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	VANADIUM (TOTAL)	14.4		0.171	0.171	mg/Kg
SS102XB	AQ194	5/4/2001	CL200.7	ZINC (TOTAL)	12.2	J	0.0884	0.0884	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	ALUMINUM (TOTAL)	9990		5.55	5.55	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	ARSENIC (TOTAL)	4.5		0.966	0.966	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	BARIUM (TOTAL)	16.8		0.0265	0.0265	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	BERYLLIUM (TOTAL)	0.51	J	0.0454	0.0454	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	CALCIUM (TOTAL)	124		3.56	3.56	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XB	AQ195	5/4/2001	CL200.7	CHROMIUM (TOTAL)	14.4		0.227	0.227	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	COBALT (TOTAL)	3.6		0.341	0.341	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	COPPER (TOTAL)	3.4	J	0.227	0.227	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	IRON (TOTAL)	12800		3.56	3.56	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	LEAD (TOTAL)	4.8		1.55	1.55	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1870		11.8	11.8	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	MANGANESE (TOTAL)	87.5		0.0984	0.0984	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	NICKEL (TOTAL)	8.3		0.341	0.341	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	POTASSIUM (TOTAL)	622	J	4.37	4.37	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	VANADIUM (TOTAL)	20.4	J	0.208	0.208	mg/Kg
SS102XB	AQ195	5/4/2001	CL200.7	ZINC (TOTAL)	18.3		0.108	0.108	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	ALUMINUM (TOTAL)	5380		5.23	5.23	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	ANTIMONY (TOTAL)	1.4	J	1.4	1.4	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	ARSENIC (TOTAL)	2.6		0.91	0.91	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	BARIUM (TOTAL)	9.8		0.025	0.025	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	BERYLLIUM (TOTAL)	0.39	J	0.0428	0.0428	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	CALCIUM (TOTAL)	85		3.36	3.36	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	CHROMIUM (TOTAL)	8.8		0.214	0.214	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	COBALT (TOTAL)	3.6		0.321	0.321	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	COPPER (TOTAL)	3.3	J	0.214	0.214	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	IRON (TOTAL)	8420		3.36	3.36	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	LEAD (TOTAL)	3.4		1.18	1.18	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1140		11.1	11.1	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	MANGANESE (TOTAL)	108		0.0928	0.0928	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	MOLYBDENUM (TOTAL)	0.7	J	0.607	0.607	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	NICKEL (TOTAL)	5.6		0.321	0.321	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	POTASSIUM (TOTAL)	469	J	4.12	4.12	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	VANADIUM (TOTAL)	13.4		0.196	0.196	mg/Kg
SS102XB	AQ196	5/4/2001	CL200.7	ZINC (TOTAL)	12.7	J	0.102	0.102	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	ALUMINUM (TOTAL)	4950		4.92	4.92	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	ARSENIC (TOTAL)	2.4		0.857	0.857	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	BARIUM (TOTAL)	9.4		0.0235	0.0235	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	BERYLLIUM (TOTAL)	0.38	J	0.0403	0.0403	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	CALCIUM (TOTAL)	71.7		3.16	3.16	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	CHROMIUM (TOTAL)	7.7		0.202	0.202	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	COBALT (TOTAL)	3.9		0.303	0.303	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	COPPER (TOTAL)	3.4	J	0.202	0.202	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	IRON (TOTAL)	8160		3.16	3.16	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	LEAD (TOTAL)	2.7		1.34	1.34	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1140		10.4	10.4	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	MANGANESE (TOTAL)	107		0.0874	0.0874	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	NICKEL (TOTAL)	5.5		0.303	0.303	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XB	AQ197	5/4/2001	CL200.7	POTASSIUM (TOTAL)	451	J	3.88	3.88	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	VANADIUM (TOTAL)	13		0.185	0.185	mg/Kg
SS102XB	AQ197	5/4/2001	CL200.7	ZINC (TOTAL)	12.4	J	0.0958	0.0958	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	ALUMINUM (TOTAL)	4700		4.99	4.99	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	ARSENIC (TOTAL)	2.4		0.868	0.868	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	BARIUM (TOTAL)	7.7		0.0238	0.0238	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	BERYLLIUM (TOTAL)	0.25	J	0.0408	0.0408	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	CALCIUM (TOTAL)	59.2		3.2	3.2	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	CHROMIUM (TOTAL)	6.5		0.204	0.204	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	COBALT (TOTAL)	2.4		0.306	0.306	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	COPPER (TOTAL)	1.7	J	0.204	0.204	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	IRON (TOTAL)	6730		3.2	3.2	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	LEAD (TOTAL)	2.3		1.08	1.08	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	823		10.6	10.6	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	MANGANESE (TOTAL)	80.5		0.0885	0.0885	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	NICKEL (TOTAL)	4.2		0.306	0.306	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	POTASSIUM (TOTAL)	382	J	3.93	3.93	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	VANADIUM (TOTAL)	10.4		0.187	0.187	mg/Kg
SS102XB	AQ198	5/4/2001	CL200.7	ZINC (TOTAL)	10.4	J	0.097	0.097	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	ALUMINUM (TOTAL)	7140		5.46	5.46	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	ARSENIC (TOTAL)	3.7		0.951	0.951	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	BARIUM (TOTAL)	18.5		0.0261	0.0261	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	BERYLLIUM (TOTAL)	0.49	J	0.0447	0.0447	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	BORON (TOTAL)	4.2		0.186	0.186	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	CALCIUM (TOTAL)	103		3.5	3.5	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	CHROMIUM (TOTAL)	11.5		0.224	0.224	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	COBALT (TOTAL)	4.5		0.336	0.336	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	COPPER (TOTAL)	4.5	J	0.224	0.224	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	IRON (TOTAL)	11500		3.5	3.5	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	LEAD (TOTAL)	3.7		1.25	1.25	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1470		11.6	11.6	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	MANGANESE (TOTAL)	118		0.0969	0.0969	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	NICKEL (TOTAL)	7.1		0.336	0.336	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	POTASSIUM (TOTAL)	604	J	4.31	4.31	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	VANADIUM (TOTAL)	18.1		0.205	0.205	mg/Kg
SS102XB	AQ199	5/4/2001	CL200.7	ZINC (TOTAL)	17.3	J	0.106	0.106	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	ALUMINUM (TOTAL)	4560		5.22	5.22	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	ARSENIC (TOTAL)	1.9		0.909	0.909	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	BARIUM (TOTAL)	7.2		0.025	0.025	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	BERYLLIUM (TOTAL)	0.31	J	0.0428	0.0428	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	BORON (TOTAL)	5		0.178	0.178	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	CALCIUM (TOTAL)	81.2		3.35	3.35	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XB	AQ200	5/4/2001	CL200.7	CHROMIUM (TOTAL)	6.8		0.214	0.214	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	COBALT (TOTAL)	3.3		0.321	0.321	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	COPPER (TOTAL)	2.4		0.214	0.214	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	IRON (TOTAL)	7320		3.35	3.35	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	LEAD (TOTAL)	2.7		1.15	1.15	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	911		11.1	11.1	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	MANGANESE (TOTAL)	89.5		0.0927	0.0927	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	NICKEL (TOTAL)	4.4		0.321	0.321	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	POTASSIUM (TOTAL)	404	J	4.12	4.12	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	VANADIUM (TOTAL)	11.8		0.196	0.196	mg/Kg
SS102XB	AQ200	5/4/2001	CL200.7	ZINC (TOTAL)	12.3	J	0.102	0.102	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	ALUMINUM (TOTAL)	6030		5.3	5.3	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	ANTIMONY (TOTAL)	1.6	J	1.45	1.45	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	ARSENIC (TOTAL)	4.9		0.923	0.923	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	BARIUM (TOTAL)	13.8		0.0253	0.0253	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	BERYLLIUM (TOTAL)	0.41	J	0.0434	0.0434	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	CALCIUM (TOTAL)	101		3.4	3.4	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	CHROMIUM (TOTAL)	9.2		0.217	0.217	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	COBALT (TOTAL)	3.2		0.326	0.326	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	COPPER (TOTAL)	2.8	J	0.217	0.217	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	IRON (TOTAL)	9790		3.4	3.4	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	LEAD (TOTAL)	3.5		1.42	1.42	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1160		11.2	11.2	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	MANGANESE (TOTAL)	91.8		0.0941	0.0941	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	NICKEL (TOTAL)	5.5		0.326	0.326	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	POTASSIUM (TOTAL)	487	J	4.18	4.18	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	VANADIUM (TOTAL)	17.5		0.199	0.199	mg/Kg
SS102XB	AQ201	5/4/2001	CL200.7	ZINC (TOTAL)	13	J	0.103	0.103	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	ALUMINUM (TOTAL)	4680		5.19	5.19	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	ARSENIC (TOTAL)	2	J	0.48	0.48	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	BARIUM (TOTAL)	7.8		0.0248	0.0248	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	CALCIUM (TOTAL)	56.9		3.33	3.33	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	CHROMIUM (TOTAL)	6		0.213	0.213	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	COBALT (TOTAL)	2.8		0.319	0.319	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	COPPER (TOTAL)	3.6		0.213	0.213	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	IRON (TOTAL)	6660		3.33	3.33	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	LEAD (TOTAL)	4.6		1.12	1.12	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1030		3.38	3.38	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	MANGANESE (TOTAL)	89.3		0.0921	0.0921	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	NICKEL (TOTAL)	4.1		0.319	0.319	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	POTASSIUM (TOTAL)	390	J	172	172	mg/Kg
SS102XB	AQ202	5/4/2001	CL200.7	VANADIUM (TOTAL)	9.8		0.195	0.195	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS102XB	AQ202	5/4/2001	CL200.7	ZINC (TOTAL)	13.5	J	0.101	0.101	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	ALUMINUM (TOTAL)	6050		5.3	5.3	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	ANTIMONY (TOTAL)	2.2	J	1.45	1.45	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	ARSENIC (TOTAL)	2.1	J	0.503	0.503	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	BARIUM (TOTAL)	10.6		0.0253	0.0253	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	CALCIUM (TOTAL)	86.8		3.4	3.4	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	CHROMIUM (TOTAL)	7.9		0.217	0.217	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	COBALT (TOTAL)	3.2		0.326	0.326	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	COPPER (TOTAL)	4.9		0.217	0.217	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	IRON (TOTAL)	7890		3.4	3.4	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	LEAD (TOTAL)	3.6		1.18	1.18	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	MAGNESIUM (TOTAL)	1200		3.46	3.46	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	MANGANESE (TOTAL)	95.2		0.0941	0.0941	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	NICKEL (TOTAL)	5.5		0.326	0.326	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	POTASSIUM (TOTAL)	472	J	175	175	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	VANADIUM (TOTAL)	12.2		0.199	0.199	mg/Kg
SS102XB	AQ203	5/4/2001	CL200.7	ZINC (TOTAL)	13.3	J	0.103	0.103	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	ALUMINUM (TOTAL)	14400	J	3.3	21.7	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	ARSENIC (TOTAL)	4.5		0.38	1.08	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	BARIUM (TOTAL)	12.7	J	1.3	21.7	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.033	0.54	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	BORON (TOTAL)	2	J	0.69	10.8	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	CALCIUM (TOTAL)	90.3	J	35.2	542	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	CHROMIUM (TOTAL)	15.8		0.25	1.08	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	COBALT (TOTAL)	2.5	J	0.34	5.42	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	COPPER (TOTAL)	3.3		0.22	2.71	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	IRON (TOTAL)	14500		4.9	10.8	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	LEAD (TOTAL)	7.9		0.3	0.33	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	1230		33.3	542	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	MANGANESE (TOTAL)	56.3	J	0.11	1.63	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	NICKEL (TOTAL)	5.9		0.3	4.34	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	POTASSIUM (TOTAL)	547		56.6	542	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	SELENIUM (TOTAL)	1.4		0.33	0.54	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	VANADIUM (TOTAL)	21.5	J	0.41	5.42	mg/Kg
SS15053-A	102XC-01	10/27/2003	SW6010B	ZINC (TOTAL)	12.9	J	0.22	2.17	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	ALUMINUM (TOTAL)	16700	J	3.1	23.1	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	ARSENIC (TOTAL)	5.3		0.36	1.15	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	BARIUM (TOTAL)	19.7	J	1.2	23.1	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.03	0.58	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	BORON (TOTAL)	2.4	J	0.65	11.5	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	CALCIUM (TOTAL)	116	J	33	577	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	CHROMIUM (TOTAL)	20.7		0.27	1.15	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15053-A	102XC-02	10/27/2003	SW6010B	COBALT (TOTAL)	3	J	0.32	5.77	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	COPPER (TOTAL)	4		0.2	2.88	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	IRON (TOTAL)	17100		5.2	11.5	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	LEAD (TOTAL)	9.8		0.28	0.35	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	1820		31.2	577	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	MANGANESE (TOTAL)	77.2	J	0.1	1.73	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	NICKEL (TOTAL)	7.5		0.28	4.61	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	POTASSIUM (TOTAL)	712		53	577	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	SELENIUM (TOTAL)	1.2		0.3	0.58	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	VANADIUM (TOTAL)	26.4	J	0.39	5.77	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW6010B	ZINC (TOTAL)	18.1	J	0.2	2.31	mg/Kg
SS15053-A	102XC-02	10/27/2003	SW7471	MERCURY (TOTAL)	0.023	J	0.019	0.039	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	ALUMINUM (TOTAL)	12000	J	3.4	25	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.39	1.25	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	BARIUM (TOTAL)	17.3	J	1.3	25	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.033	0.63	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	BORON (TOTAL)	2.3	J	0.71	12.5	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	CALCIUM (TOTAL)	192	J	35.9	626	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	CHROMIUM (TOTAL)	12.4		0.29	1.25	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	COBALT (TOTAL)	1.3	J	0.34	6.26	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	COPPER (TOTAL)	6.7		0.22	5.13	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	IRON (TOTAL)	13700		5.7	12.5	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	LEAD (TOTAL)	16.9		0.31	0.38	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	838		34	626	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	MANGANESE (TOTAL)	52.6	J	0.11	1.88	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	NICKEL (TOTAL)	4.4	J	0.31	5	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	POTASSIUM (TOTAL)	495	J	57.7	626	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	SELENIUM (TOTAL)	1.2		0.33	0.63	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	VANADIUM (TOTAL)	27.9	J	0.42	6.26	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW6010B	ZINC (TOTAL)	13.6	J	0.22	2.5	mg/Kg
SS15054-A	102XD-01	10/27/2003	SW7471	MERCURY (TOTAL)	0.042	J	0.021	0.043	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	ALUMINUM (TOTAL)	11800	J	3	21.9	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	ARSENIC (TOTAL)	3.4		0.34	1.1	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	BARIUM (TOTAL)	10.3	J	1.1	21.9	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.25	J	0.029	0.55	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	BORON (TOTAL)	1.7	J	0.62	11	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	CALCIUM (TOTAL)	115	J	31.5	548	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	CHROMIUM (TOTAL)	11.6		0.25	1.1	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	COBALT (TOTAL)	1.2	J	0.3	5.48	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	COPPER (TOTAL)	2.2	J	0.19	2.74	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	IRON (TOTAL)	12200		5	11	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	LEAD (TOTAL)	8.8		0.27	0.33	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15054-A	102XD-02	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	703		29.8	548	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	MANGANESE (TOTAL)	37.3	J	0.097	1.64	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	NICKEL (TOTAL)	3.7	J	0.27	4.38	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	POTASSIUM (TOTAL)	374	J	50.7	548	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	SELENIUM (TOTAL)	0.88		0.29	0.55	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	VANADIUM (TOTAL)	18.3	J	0.37	5.48	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW6010B	ZINC (TOTAL)	11	J	0.19	2.19	mg/Kg
SS15054-A	102XD-02	10/27/2003	SW7471	MERCURY (TOTAL)	0.026	J	0.018	0.036	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	ALUMINUM (TOTAL)	11300	J	3.2	21.3	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	ARSENIC (TOTAL)	4.1		0.37	1.07	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	BARIUM (TOTAL)	11.2	J	1.2	21.3	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.031	0.53	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	BORON (TOTAL)	1.8	J	0.67	10.7	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	CALCIUM (TOTAL)	174	J	34	533	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	CHROMIUM (TOTAL)	13.5		0.25	1.07	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	COBALT (TOTAL)	1.2	J	0.32	5.33	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	COPPER (TOTAL)	3.1		0.21	2.66	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	IRON (TOTAL)	13800		4.8	10.7	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	LEAD (TOTAL)	10.5		0.29	0.32	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	677		32.2	533	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	MANGANESE (TOTAL)	35.1	J	0.1	1.6	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	NICKEL (TOTAL)	4	J	0.29	4.26	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	POTASSIUM (TOTAL)	406	J	54.6	533	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	SELENIUM (TOTAL)	0.88		0.31	0.53	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	VANADIUM (TOTAL)	20.4	J	0.4	5.33	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW6010B	ZINC (TOTAL)	11.4	J	0.21	2.13	mg/Kg
SS15054-A	102XD-02FD	10/27/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.018	0.035	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	ALUMINUM (TOTAL)	10700	J	3.7	19.3	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	ARSENIC (TOTAL)	4.4		0.42	0.97	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	BARIUM (TOTAL)	15.4	J	1.4	19.3	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.036	0.48	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	BORON (TOTAL)	2	J	0.77	9.65	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	CALCIUM (TOTAL)	274	J	39.1	483	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	CHROMIUM (TOTAL)	14.7		0.22	0.97	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	COBALT (TOTAL)	1.2	J	0.37	4.83	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	COPPER (TOTAL)	4		0.24	2.41	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	IRON (TOTAL)	15200		4.4	9.65	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	LEAD (TOTAL)	15.3		0.34	0.36	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	816		37	483	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	MANGANESE (TOTAL)	70.1	J	0.12	1.45	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	NICKEL (TOTAL)	4.3		0.34	3.86	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	POTASSIUM (TOTAL)	457	J	62.8	483	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15055-A	102XE-01	10/27/2003	SW6010B	SELENIUM (TOTAL)	1		0.36	0.48	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	VANADIUM (TOTAL)	24.7	J	0.46	4.83	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW6010B	ZINC (TOTAL)	12.8	J	0.24	1.93	mg/Kg
SS15055-A	102XE-01	10/27/2003	SW7471	MERCURY (TOTAL)	0.042		0.02	0.041	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	ALUMINUM (TOTAL)	8200	J	3.3	19.3	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	ARSENIC (TOTAL)	3.3		0.38	0.97	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	BARIUM (TOTAL)	10.2	J	1.3	19.3	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.19	J	0.033	0.48	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	BORON (TOTAL)	1.4	J	0.7	9.66	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	CALCIUM (TOTAL)	144	J	35.4	483	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	CHROMIUM (TOTAL)	8.7		0.22	0.97	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	COBALT (TOTAL)	0.63	J	0.34	4.83	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	COPPER (TOTAL)	2.2	J	0.22	2.41	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	IRON (TOTAL)	11600		4.4	9.66	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	LEAD (TOTAL)	7.7		0.31	0.34	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	386	J	33.5	483	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	MANGANESE (TOTAL)	20.5	J	0.11	1.45	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	NICKEL (TOTAL)	2.3	J	0.31	3.86	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	POTASSIUM (TOTAL)	304	J	56.8	483	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	SELENIUM (TOTAL)	0.93		0.33	0.48	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	VANADIUM (TOTAL)	17.6	J	0.41	4.83	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW6010B	ZINC (TOTAL)	7.8	J	0.22	1.93	mg/Kg
SS15055-A	102XE-02	10/27/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.017	0.033	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	ALUMINUM (TOTAL)	10800	J	4	24.9	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	ANTIMONY (TOTAL)	1.3	J	1.1	7.47	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	ARSENIC (TOTAL)	4.3		0.45	1.25	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	BARIUM (TOTAL)	17.9	J	1.5	24.9	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.27	J	0.039	0.62	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	BORON (TOTAL)	2.7	J	0.83	12.5	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	CALCIUM (TOTAL)	279	J	42.1	623	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	CHROMIUM (TOTAL)	14.8		0.29	1.25	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	COBALT (TOTAL)	1.4	J	0.4	6.23	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	COPPER (TOTAL)	5.2		0.26	3.11	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	IRON (TOTAL)	16400		5.7	12.5	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	LEAD (TOTAL)	16.7		0.36	0.37	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	838		39.8	623	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	MANGANESE (TOTAL)	56.4	J	0.13	1.87	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	NICKEL (TOTAL)	4.4	J	0.36	4.98	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	POTASSIUM (TOTAL)	394	J	67.6	623	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	SELENIUM (TOTAL)	0.94		0.39	0.62	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	VANADIUM (TOTAL)	25.4	J	0.49	6.23	mg/Kg
SS15056-A	102XF-01	10/27/2003	SW6010B	ZINC (TOTAL)	14.9	J	0.26	2.49	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15056-A	102XF-01	10/27/2003	SW7471	MERCURY (TOTAL)	0.044		0.018	0.037	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	ALUMINUM (TOTAL)	11000	J	3.7	23.4	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.42	1.17	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	BARIUM (TOTAL)	19.9	J	1.4	23.4	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.31	J	0.036	0.58	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	BORON (TOTAL)	2.8	J	0.77	11.7	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	CALCIUM (TOTAL)	165	J	39.1	585	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	CHROMIUM (TOTAL)	12.4		0.27	1.17	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	COBALT (TOTAL)	1.4	J	0.37	5.85	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	COPPER (TOTAL)	4.8		0.24	2.92	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	IRON (TOTAL)	14600		5.3	11.7	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	LEAD (TOTAL)	25.2		0.34	0.35	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	833		36.9	585	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	MANGANESE (TOTAL)	48.9	J	0.12	1.75	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	MOLYBDENUM (TOTAL)	1	J	0.14	1.17	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	NICKEL (TOTAL)	4.2	J	0.34	4.68	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	POTASSIUM (TOTAL)	457	J	62.7	585	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	SELENIUM (TOTAL)	0.78		0.36	0.58	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	VANADIUM (TOTAL)	27.6	J	0.46	5.85	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW6010B	ZINC (TOTAL)	15.4	J	0.24	2.34	mg/Kg
SS15056-A	102XF-02	10/27/2003	SW7471	MERCURY (TOTAL)	0.054		0.021	0.042	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	ALUMINUM (TOTAL)	15400	J	3.7	24.2	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	ARSENIC (TOTAL)	6		0.42	1.21	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	BARIUM (TOTAL)	29		1.4	24.2	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.036	0.6	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	BORON (TOTAL)	3	J	0.77	12.1	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	CADMIUM (TOTAL)	0.2	J	0.16	0.6	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	CALCIUM (TOTAL)	501	J	38.9	605	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	CHROMIUM (TOTAL)	19.3		0.28	1.21	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	COBALT (TOTAL)	2.1	J	0.37	6.05	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	COPPER (TOTAL)	12.4		0.24	3.02	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	IRON (TOTAL)	18900		5.5	12.1	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	LEAD (TOTAL)	26.2		0.34	0.36	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	1340		36.8	605	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	MANGANESE (TOTAL)	71	J	0.12	1.81	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	MOLYBDENUM (TOTAL)	1	J	0.14	1.21	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	NICKEL (TOTAL)	6.6		0.34	4.84	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	POTASSIUM (TOTAL)	580	J	62.6	605	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	SELENIUM (TOTAL)	1.3		0.36	0.6	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	VANADIUM (TOTAL)	34.1	J	0.46	6.05	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW6010B	ZINC (TOTAL)	26.2	J	0.24	2.42	mg/Kg
SS15057-A	102FD-01	10/27/2003	SW7471	MERCURY (TOTAL)	0.043	J	0.022	0.044	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15057-A	102FD-02	10/27/2003	SW6010B	ALUMINUM (TOTAL)	10500	J	3	23.1	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	ARSENIC (TOTAL)	3.8		0.35	1.15	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	BARIUM (TOTAL)	13.5	J	1.2	23.1	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.03	0.58	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	BORON (TOTAL)	1.9	J	0.63	11.5	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	CALCIUM (TOTAL)	115	J	32.2	577	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	CHROMIUM (TOTAL)	13.6		0.27	1.15	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	COBALT (TOTAL)	1.6	J	0.31	5.77	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	COPPER (TOTAL)	5.2		0.2	2.89	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	IRON (TOTAL)	13200		5.3	11.5	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	LEAD (TOTAL)	10.9		0.28	0.35	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	MAGNESIUM (TOTAL)	955		30.4	577	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	MANGANESE (TOTAL)	51.6	J	0.099	1.73	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	NICKEL (TOTAL)	4.2	J	0.28	4.62	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	POTASSIUM (TOTAL)	404	J	51.7	577	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	SELENIUM (TOTAL)	1		0.3	0.58	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	VANADIUM (TOTAL)	19.1	J	0.38	5.77	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW6010B	ZINC (TOTAL)	13.4	J	0.2	2.31	mg/Kg
SS15057-A	102FD-02	10/27/2003	SW7471	MERCURY (TOTAL)	0.021	J	0.019	0.037	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	ALUMINUM (TOTAL)	19400		3.9	25.4	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	ARSENIC (TOTAL)	6.8		0.44	1.27	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	BARIUM (TOTAL)	24.8	J	1.5	25.4	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	BERYLLIUM (TOTAL)	0.54	J	0.038	0.64	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	CALCIUM (TOTAL)	171	J	41.3	635	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	CHROMIUM (TOTAL)	21.7		0.17	1.27	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	COBALT (TOTAL)	4.7	J	0.39	6.35	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	COPPER (TOTAL)	8.8		0.25	3.18	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	IRON (TOTAL)	19400		3.8	12.7	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	LEAD (TOTAL)	11.6		0.36	0.38	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	MAGNESIUM (TOTAL)	2690		39	635	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	MANGANESE (TOTAL)	128		0.13	1.91	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	MOLYBDENUM (TOTAL)	1.1	J	0.15	1.27	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	NICKEL (TOTAL)	10		0.36	5.08	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	POTASSIUM (TOTAL)	1000		66.3	635	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	SELENIUM (TOTAL)	0.65		0.38	0.64	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	VANADIUM (TOTAL)	31.1		0.48	6.35	mg/Kg
SS15059-A	102TK-01	10/24/2003	SW6010B	ZINC (TOTAL)	30.2		0.25	2.54	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	ALUMINUM (TOTAL)	13000		3.4	22.1	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	ARSENIC (TOTAL)	4.5		0.39	1.11	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	BARIUM (TOTAL)	17.1	J	1.3	22.1	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	BERYLLIUM (TOTAL)	0.39	J	0.033	0.55	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	CALCIUM (TOTAL)	147	J	35.9	553	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15059-A	102TK-02	10/24/2003	SW6010B	CHROMIUM (TOTAL)	14.9		0.14	1.11	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	COBALT (TOTAL)	3	J	0.34	5.53	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	COPPER (TOTAL)	5.6		0.22	2.76	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	IRON (TOTAL)	12800		3.3	11.1	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	LEAD (TOTAL)	7.7		0.31	0.33	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	MAGNESIUM (TOTAL)	1830		34	553	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	MANGANESE (TOTAL)	128		0.11	1.16	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	NICKEL (TOTAL)	6.6		0.31	4.42	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	POTASSIUM (TOTAL)	719		57.7	553	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	SILVER (TOTAL)	0.21	J	0.17	1.11	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	VANADIUM (TOTAL)	22.5		0.42	5.53	mg/Kg
SS15059-A	102TK-02	10/24/2003	SW6010B	ZINC (TOTAL)	20		0.22	2.21	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	ALUMINUM (TOTAL)	7880		2.9	19.1	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	ARSENIC (TOTAL)	3.1		0.33	0.95	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	BARIUM (TOTAL)	10.5	J	1.1	19.1	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.029	0.48	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	CALCIUM (TOTAL)	115	J	31	477	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	CHROMIUM (TOTAL)	9.3		0.12	0.95	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	COBALT (TOTAL)	2	J	0.3	4.77	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	COPPER (TOTAL)	3.5		0.19	2.39	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	IRON (TOTAL)	8490		2.9	954	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	LEAD (TOTAL)	5.3		0.27	0.29	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	MAGNESIUM (TOTAL)	1130		29.3	477	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	MANGANESE (TOTAL)	57.8		0.095	1.43	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	NICKEL (TOTAL)	4		0.27	3.82	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	POTASSIUM (TOTAL)	467	J	49.8	477	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	VANADIUM (TOTAL)	14.1		0.36	4.77	mg/Kg
SS15060-A	102TL-01	10/24/2003	SW6010B	ZINC (TOTAL)	16.4		0.19	1.91	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	ALUMINUM (TOTAL)	6050		2.7	17.9	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	ARSENIC (TOTAL)	2.6		0.31	0.89	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	BARIUM (TOTAL)	8.1	J	1	17.9	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	BERYLLIUM (TOTAL)	0.22	J	0.027	0.45	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	CALCIUM (TOTAL)	75.3	J	29	447	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	CHROMIUM (TOTAL)	7.6		0.12	0.89	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	COBALT (TOTAL)	1.6	J	0.28	4.47	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	COPPER (TOTAL)	2.9		0.18	2.24	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	IRON (TOTAL)	6880		2.7	8.94	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	LEAD (TOTAL)	4.6		0.25	0.27	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	MAGNESIUM (TOTAL)	872		27.5	447	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	MANGANESE (TOTAL)	48.7		0.089	1.34	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	NICKEL (TOTAL)	3.1	J	0.25	3.58	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	POTASSIUM (TOTAL)	350	J	46.6	447	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15060-A	102TL-01FD	10/24/2003	SW6010B	VANADIUM (TOTAL)	11.2		0.34	4.47	mg/Kg
SS15060-A	102TL-01FD	10/24/2003	SW6010B	ZINC (TOTAL)	13.8		0.18	1.79	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	ALUMINUM (TOTAL)	4130		3.1	20	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	ARSENIC (TOTAL)	2		0.35	1	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	BARIUM (TOTAL)	7	J	1.2	20	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.03	0.5	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	CALCIUM (TOTAL)	76.8	J	32.5	501	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	CHROMIUM (TOTAL)	5.4		0.13	1	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	COBALT (TOTAL)	1.7	J	0.31	5.01	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	COPPER (TOTAL)	2.9		0.2	2.5	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	IRON (TOTAL)	4880		3	10	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	LEAD (TOTAL)	3.4		0.28	0.3	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	MAGNESIUM (TOTAL)	779		30.8	501	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	MANGANESE (TOTAL)	56.3		0.1	1.5	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	NICKEL (TOTAL)	2.5	J	0.28	4.01	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	POTASSIUM (TOTAL)	326	J	52.3	501	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	VANADIUM (TOTAL)	7.7		0.38	5.01	mg/Kg
SS15060-A	102TL-02	10/24/2003	SW6010B	ZINC (TOTAL)	10.4		0.2	2	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	ALUMINUM (TOTAL)	4890		3	19.9	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	ARSENIC (TOTAL)	2.9		0.35	0.99	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	BARIUM (TOTAL)	8.1	J	1.2	19.9	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.03	0.5	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	CALCIUM (TOTAL)	343	J	32.3	497	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	CHROMIUM (TOTAL)	6.8		0.13	0.99	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	COBALT (TOTAL)	1.5	J	0.31	4.97	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	COPPER (TOTAL)	5.4		0.2	2.48	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	IRON (TOTAL)	6600		3	9.93	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	LEAD (TOTAL)	4		0.28	0.3	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	MAGNESIUM (TOTAL)	800		30.5	497	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	MANGANESE (TOTAL)	56.2		0.099	1.49	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	NICKEL (TOTAL)	3	J	0.28	3.97	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	POTASSIUM (TOTAL)	380	J	51.8	497	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	VANADIUM (TOTAL)	11.6		0.38	4.97	mg/Kg
SS15061-A	102TN-01	10/24/2003	SW6010B	ZINC (TOTAL)	18.9		0.2	1.99	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	ALUMINUM (TOTAL)	1800		2.6	17.1	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	ARSENIC (TOTAL)	1.4		0.3	0.86	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	BARIUM (TOTAL)	4	J	1	17.1	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	BERYLLIUM (TOTAL)	0.15	J	0.026	0.43	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	CALCIUM (TOTAL)	75.1	J	27.8	428	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	CHROMIUM (TOTAL)	2.7		0.11	0.86	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	COBALT (TOTAL)	1	J	0.27	4.28	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	COPPER (TOTAL)	2.5		0.17	2.14	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15061-A	102TN-02	10/24/2003	SW6010B	IRON (TOTAL)	3200		2.6	8.56	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	LEAD (TOTAL)	2.4		0.24	0.26	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	MAGNESIUM (TOTAL)	435		26.3	428	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	MANGANESE (TOTAL)	58.3		0.086	1.28	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	NICKEL (TOTAL)	1.5	J	0.24	3.43	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	POTASSIUM (TOTAL)	233	J	44.7	428	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	VANADIUM (TOTAL)	5		0.33	4.28	mg/Kg
SS15061-A	102TN-02	10/24/2003	SW6010B	ZINC (TOTAL)	6.2		0.17	1.71	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	ALUMINUM (TOTAL)	7270		1.7	1.7	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	ANTIMONY (TOTAL)	0.73	J	0.34	0.34	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	ARSENIC (TOTAL)	2.5		0.22	0.22	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	BARIUM (TOTAL)	10.3	J	0.66	0.66	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.018	0.018	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	CADMIUM (TOTAL)	0.39	J	0.027	0.027	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	CALCIUM (TOTAL)	101	J	20.3	20.3	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	CHROMIUM (TOTAL)	7.7		0.054	0.054	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	COBALT (TOTAL)	2	J	0.16	0.16	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	COPPER (TOTAL)	132		0.13	0.13	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	IRON (TOTAL)	8560		1.5	1.5	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	LEAD (TOTAL)	40.6		0.14	0.14	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	MAGNESIUM (TOTAL)	557		16.5	16.5	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	MANGANESE (TOTAL)	47.1		0.064	0.064	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	MOLYBDENUM (TOTAL)	0.59	J	0.15	0.15	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	NICKEL (TOTAL)	3.6	J	0.18	0.18	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	POTASSIUM (TOTAL)	403	J	22.7	22.7	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	SELENIUM (TOTAL)	0.97		0.15	0.15	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	SODIUM (TOTAL)	176	J	19.9	19.9	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	VANADIUM (TOTAL)	12.5		0.2	0.2	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW6010B	ZINC (TOTAL)	10.7		0.52	0.52	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW7471	MERCURY (TOTAL)	0.022	J	0.017	0.017	mg/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW8330	2-AMINO-4,6-DINITROTOLUENE	16		3.15	13	ug/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW8330	4-AMINO-2,6-DINITROTOLUENE	14		2.6	13	ug/Kg
SS15097-A	ECC091603J302 (post)	9/17/2003	SW9010	CYANIDE	3.1		0.52	0.52	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	ALUMINUM (TOTAL)	4820		1.8	1.8	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	ANTIMONY (TOTAL)	0.94	J	0.36	0.36	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	ARSENIC (TOTAL)	2.6		0.23	0.23	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	BARIUM (TOTAL)	6.8	J	0.7	0.7	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.019	0.019	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	BORON (TOTAL)	1.7	J	0.44	0.44	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	CALCIUM (TOTAL)	57.5	J	21.4	21.4	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	CHROMIUM (TOTAL)	5.3		0.058	0.058	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	COBALT (TOTAL)	1.9	J	0.17	0.17	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	COPPER (TOTAL)	2.3	J	0.13	0.13	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	IRON (TOTAL)	8370		1.6	1.6	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	LEAD (TOTAL)	4.5		0.14	0.14	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	MAGNESIUM (TOTAL)	474	J	17.4	17.4	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	MANGANESE (TOTAL)	54.5		0.067	0.067	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	MOLYBDENUM (TOTAL)	0.57	J	0.15	0.15	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	NICKEL (TOTAL)	2.6	J	0.19	0.19	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	POTASSIUM (TOTAL)	307	J	23.9	23.9	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	SELENIUM (TOTAL)	0.18	J	0.16	0.16	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	SODIUM (TOTAL)	155	J	21	21	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	VANADIUM (TOTAL)	9.1		0.21	0.21	mg/Kg
SS15097-A	ECC091603J302 (pre)	9/17/2003	SW6010B	ZINC (TOTAL)	9.4		0.55	0.55	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	ALUMINUM (TOTAL)	15100		3.7	3.7	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	ARSENIC (TOTAL)	5.7		0.42	0.42	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	BARIUM (TOTAL)	20.2		1.4	1.4	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.35		0.036	0.036	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	CADMIUM (TOTAL)	0.47		0.06	0.06	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	CALCIUM (TOTAL)	155		38.7	38.7	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	CHROMIUM (TOTAL)	17.6		0.15	0.15	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	COBALT (TOTAL)	2.9		0.37	0.37	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	COPPER (TOTAL)	18.1		0.24	0.24	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	IRON (TOTAL)	15400		3.6	3.6	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	LEAD (TOTAL)	11.6		0.33	0.33	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	MAGNESIUM (TOTAL)	2120		36.6	36.6	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	MANGANESE (TOTAL)	79.7		0.12	0.12	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	NICKEL (TOTAL)	7		0.33	0.33	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	POTASSIUM (TOTAL)	679		62.2	62.2	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	SELENIUM (TOTAL)	0.51		0.36	0.36	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	SODIUM (TOTAL)	421		59.9	59.9	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	VANADIUM (TOTAL)	25.2		0.45	0.45	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW6010B	ZINC (TOTAL)	20.3		0.24	0.24	mg/Kg
SS15128-A	ECC111903J3AR02 (post)C	11/20/2003	SW9010	CYANIDE	0.65		0.6	0.6	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	ALUMINUM (TOTAL)	13000		3.4	3.4	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	ARSENIC (TOTAL)	5.4		0.38	0.38	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	BARIUM (TOTAL)	20.5		1.3	1.3	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.34		0.033	0.033	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	CADMIUM (TOTAL)	0.57		0.055	0.055	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	CALCIUM (TOTAL)	166		35.7	35.7	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	CHROMIUM (TOTAL)	16.4		0.14	0.14	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	COBALT (TOTAL)	3.3		0.34	0.34	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	COPPER (TOTAL)	20.1		0.22	0.22	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	IRON (TOTAL)	12600		3.3	3.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-12
J-3 Range Area 4
Ordnance Assembly/X-Ray Building and Environmental Test Building, Gauntlet Area and Presumed M550 Berm Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	LEAD (TOTAL)	10.4		0.31	0.31	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	MAGNESIUM (TOTAL)	2350		33.7	33.7	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	MANGANESE (TOTAL)	87.8		0.11	0.11	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	NICKEL (TOTAL)	7.6		0.31	0.31	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	POTASSIUM (TOTAL)	719		57.3	57.3	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	SODIUM (TOTAL)	441		55.1	55.1	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	VANADIUM (TOTAL)	23		0.42	0.42	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW6010B	ZINC (TOTAL)	22.2		0.22	0.22	mg/Kg
SS15128-A	ECC111903J3AR02 (post)D	11/20/2003	SW9010	CYANIDE	1.1		0.53	0.53	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	ALUMINUM	13000		3.1	3.1	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	ARSENIC	5.3		0.36	0.36	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	BARIUM	22.8		1.2	1.2	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	BERYLLIUM	0.47		0.031	0.031	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	CADMIUM	1.4		0.051	0.051	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	CALCIUM	165		33.1	33.1	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	CHROMIUM, TOTAL	15.6		0.13	0.13	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	COBALT	3		0.32	0.32	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	COPPER	8.9		0.2	0.2	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	IRON	20600		3.1	3.1	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	LEAD	7.7		0.29	0.29	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	MAGNESIUM	2100		31.3	31.3	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	MANGANESE	89.8		0.1	0.1	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	NICKEL	6.3		0.29	0.29	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	POTASSIUM	645		53.2	53.2	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	SODIUM	407		51.2	51.2	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	THALLIUM	0.72		0.52	0.52	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	VANADIUM	22.3		0.39	0.39	mg/Kg
SS15128-A	ECC111903J3AR02 (pre)	11/20/2003	SW6010B	ZINC	21.1		0.2	0.2	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-13
J-3 Range Area 5
Hillside Impact Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
5	MW-356	MW-356-S01	10/28/2004	SB	0	0.5	YES	EXP, METALS, PERC, SVOC	J3GWWP
5	MW-356	MW-356-S02	10/28/2004	SB	1.5	2	YES	EXP, METALS, PERC, SVOC	J3GWWP
5	MW-356	MW-356-S03	11/16/2004	SB	10	12	YES	EXP, METALS, PERC, SVOC	J3GWWP
5	MW-356	MW-356-S03FD	11/16/2004	SB	10	12	YES	EXP, METALS, PERC, SVOC	J3GWWP
5	SS198DG	05410	6/17/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198DG	05412	6/17/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198DG	05414	6/17/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198DG	05723	6/17/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198EG	05248	6/11/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198EG	05250	6/11/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198EG	05252	6/11/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198EG	05469	6/11/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198EG	05470	6/11/2003	SD	0.25	0.5	YES	VOC	J3SWP
5	SS198EG	05724	6/17/2003	SD	0.25	0.5	YES	VOC	J3SWP
5	SS198EK	05542	6/13/2003	SD	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198EK	05544	6/13/2003	SD	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198EK	05546	6/13/2003	SD	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198EK	05548	6/13/2003	SD	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198EK	05550	6/13/2003	SD	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198EK	05552	6/13/2003	SD	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198EK	05554	6/13/2003	SD	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198EK	05556	6/13/2003	SD	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198EK	05558	6/13/2003	SD	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198EK	05560	6/13/2003	SD	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198EK	05600	6/13/2003	SD	0.25	0.5	YES	VOC	J3SWP
5	SS198EK	05601	6/13/2003	SD	0.25	0.5	YES	VOC	J3SWP
5	SS198EK	05602	6/13/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198FF	05272	6/10/2003	SD	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
5	SS198FF	05274	6/10/2003	SD	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
5	SS198FF	05276	6/10/2003	SD	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
5	SS198FF	05436	6/10/2003	SD	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
5	SS198FF	05443	6/10/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198FF	05444	6/10/2003	SD	0	0.25	YES	EXP, METALS, PERC, SVOC, VOC	J3SWP
5	SS198FF	05445	6/10/2003	SD	0.25	0.5	YES	EXP, METALS, PERC, SVOC, VOC	J3SWP
5	SS198FG	05416	6/17/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198FG	05418	6/17/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198FG	05420	6/17/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198FG	05725	6/17/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198FK	05562	6/13/2003	SD	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198FK	05564	6/13/2003	SD	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP

SB = soil boring
SC = soil composite
SD = soil discrete

ft bgs = feet below ground surface

TABLE 4-13
J-3 Range Area 5
Hillside Impact Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
5	SS198FK	05566	6/13/2003	SD	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198FK	05568	6/13/2003	SD	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198FK	05570	6/13/2003	SD	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198FK	05572	6/13/2003	SD	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198FK	05603	6/13/2003	SD	0.25	0.5	YES	VOC	J3SWP
5	SS198FK	05604	6/13/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198GE	05256	6/10/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198GE	05258	6/10/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198GE	05260	6/10/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198GE	05262	6/10/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198GE	05264	6/10/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198GE	05451	6/10/2003	SD	0	0.25	YES	VOC	J3SWP
5	SS198GE	05453	6/10/2003	SD	0.25	0.5	YES	VOC	J3SWP
5	SS198GE	05454	6/10/2003	SD	0.25	0.5	YES	VOC	J3SWP
5	SS198GE	05455	6/10/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198GE	05456	6/10/2003	SD	0	0.25	YES	VOC	J3SWP
5	SS198GG	05428	6/11/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198GG	05430	6/11/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198GG	05432	6/11/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198GK	05488	6/12/2003	SD	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198GK	05490	6/12/2003	SD	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198GK	05492	6/12/2003	SD	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198GK	05500	6/12/2003	SD	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198GK	05502	6/12/2003	SD	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198GK	05504	6/12/2003	SD	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198GK	05531	6/12/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198GP	05392	6/18/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198GP	05394	6/18/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198GP	05396	6/18/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198HG	05364	6/11/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198HG	05366	6/11/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198HG	05368	6/11/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198HG	05370	6/11/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198HG	05372	6/11/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198HG	05529	6/11/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198HH	05712	6/17/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198HH	05714	6/17/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198HH	05716	6/17/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198HL	05398	6/12/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198HL	05400	6/12/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-13
J-3 Range Area 5
Hillside Impact Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
5	SS198HL	05402	6/12/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198HO	05265	6/9/2003	SC	0	0.25	YES	PERC	J3SWP
5	SS198HO	05266	6/9/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198HO	05267	6/9/2003	SC	0.25	0.5	YES	PERC	J3SWP
5	SS198HO	05268	6/9/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198HO	05269	6/9/2003	SC	0.5	1	YES	PERC	J3SWP
5	SS198HO	05270	6/9/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198HO	05452	6/10/2003	SD	0	0.25	YES	VOC	J3SWP
5	SS198IH	05506	6/16/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198IH	05508	6/16/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198IH	05510	6/16/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198IH	05659	6/16/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198II	05494	6/16/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198II	05496	6/16/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198II	05498	6/16/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198II	05660	6/16/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198II	05661	6/16/2003	SD	0.25	0.5	YES	VOC	J3SWP
5	SS198IJ	05512	6/12/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198IJ	05514	6/12/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198IJ	05516	6/12/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198IJ	05597	6/12/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198JJ	05623	6/16/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198JJ	05625	6/16/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198JJ	05627	6/16/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198JJ	05658	6/16/2003	SD	0	0.25	YES	VOC	J3SWP
5	SS198JJ	05662	6/16/2003	SD	0.25	0.5	YES	VOC	J3SWP
5	SS198JJ	05663	6/16/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198JK	05518	6/16/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198JK	05520	6/16/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198JK	05522	6/16/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198JK	05524	6/16/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS198JK	05717	6/16/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198JK	05718	6/16/2003	SD	0.5	1	YES	VOC	J3SWP
5	SS198JO	05404	6/18/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
5	SS198JO	05406	6/18/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
5	SS198JO	05408	6/18/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
5	SS335-A	ECC082203J302	8/29/2003	BIP_POST	0	2	YES	EXP, METALS, PERC, SVOC	BIP Plan
5	SS339-A	ECC082203J301 (pre)	8/29/2003	BIP_PRE	0	2	NO	EXP, METALS, PERC, SVOC	BIP Plan
5	SS339-A	ECC082203J301(post-1)	8/29/2003	BIP_POST	0	2	NO	EXP, METALS, PERC, SVOC	BIP Plan
5	SS339-A	ECC082203J301(post-2)	8/29/2003	BIP_POST	0	2	NO	EXP, METALS, PERC, SVOC	BIP Plan

ft bgs = feet below ground surface

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TABLE 4-13
J-3 Range Area 5
Hillside Impact Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
5	SS339-A	SS339A_PE1	8/30/2006	BIP_PE	0	0.25	YES	EXP, METALS	BIP Plan
5	SS339-A	SS339A_PE2	8/30/2006	BIP_PE	0	0.25	YES	EXP, METALS	BIP Plan
5	SS339-A	SS339A_PE3	8/30/2006	BIP_PE	0	0.25	YES	EXP, METALS	BIP Plan
5	SS339-A	SS339-SS1	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
5	SS339-A	SS339-SS2	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
5	SS339-A	SS339-SS3	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
5	SS339-A	SS339-SS4	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
5	SS339-A	SS339-SS5	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
5	SS339-A	SS339-SS6	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
5	SS339-A	SS339-SS7	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
5	SS339-A	SS339-SS8	4/14/2005	BIP_SS	0	0.2	YES	EXP, METALS	BIP Plan
5	SS71-A	04494	5/15/2003	BIP_PRE	0	0	YES	METALS, PCN, PERC, SVOC	BIP Plan
5	SS71-A	04502	5/15/2003	BIP_POST	0	0	YES	METALS, PCN, PERC, SVOC	BIP Plan
5	SSA08290202	08522	10/16/2003	BIP_SS	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	08523	10/16/2003	BIP_SS	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	08524	10/16/2003	BIP_SS	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	08525	10/16/2003	BIP_SS	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	08526	10/16/2003	BIP_SS	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	08527	10/16/2003	BIP_SS	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	08528	10/16/2003	BIP_SS	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	08529	10/16/2003	BIP_SS	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	20055	11/3/2004	BIP_PE	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	20057	11/3/2004	BIP_PE	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	20058	11/3/2004	BIP_PE	0	0.25	YES	EXP	BIP Plan
5	SSA08290202	BI161	9/13/2002	BIP_POST	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
5	SSA08290202	BI162	9/13/2002	BIP_POST	0	0.25	NO	PERC	BIP Plan
5	SSA10230301	09398	10/30/2003	BIP_PE	0	0.25	YES	PCN	BIP Plan
5	SSA10230301	09399	10/30/2003	BIP_PE	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
5	SSA10230301	09412	10/30/2003	BIP_PE	0	0.25	YES	EXP, METALS, SVOC	BIP Plan

Notes:
J3GWWP = Draft J-3 Range Supplemental Groundwater Workplan (AMEC, 2003c)
J3SWP = Final J-3 Range Supplemental Soil Work Plan (AMEC, 2004)
BIP Plan = Final BIP Sampling and Analysis Plan (AMEC, 2004)

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-14
J-3 Range Area 5
Hillside Impact Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	ALUMINUM	11400		2.6	2.6	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	ANTIMONY	0.64		0.52	0.52	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	ARSENIC	4.1		0.53	0.53	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	BARIUM	17.7		0.65	0.65	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	BERYLLIUM	0.33		0.022	0.022	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	BORON	3.4		0.53	0.53	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	CALCIUM	143		20	20	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	CHROMIUM, TOTAL	13.5		0.15	0.15	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	COBALT	3.2		0.22	0.22	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	COPPER	4.2		0.26	0.26	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	IRON	11900		3.7	3.7	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	LEAD	8.5		0.14	0.14	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	MAGNESIUM	1270		19.6	19.6	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	MANGANESE	65.1		0.077	0.077	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	MOLYBDENUM	0.55		0.19	0.19	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	NICKEL	5.6		0.23	0.23	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	POTASSIUM	582		43.1	43.1	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	SELENIUM	0.74		0.37	0.37	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	VANADIUM	20.9		0.22	0.22	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW6010B	ZINC	15.5		0.11	0.11	mg/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW8330	2,4,6-TRINITROTOLUENE	71		1.69	13	ug/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW8330	2-AMINO-4,6-DINITROTOLUENE	42		3.41	13	ug/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW8330	2-NITROTOLUENE	39	J	5.14	13	ug/Kg
SS339-A	ECC082203J301 (pre)	8/29/2003	SW8330	4-AMINO-2,6-DINITROTOLUENE	28		2.81	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	ALUMINUM	9530		2.6	2.6	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	ARSENIC	3.3		0.52	0.52	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	BARIUM	11.9		0.65	0.65	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	BERYLLIUM	0.22		0.022	0.022	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	BORON	1.9		0.52	0.52	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	CADMIUM	0.083		0.066	0.066	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	CALCIUM	115		19.9	19.9	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	CHROMIUM, TOTAL	9.8		0.15	0.15	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	COBALT	1.8		0.22	0.22	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	COPPER	215		0.26	0.26	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	IRON	10100		3.6	3.6	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	LEAD	63.9		0.14	0.14	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	MAGNESIUM	795		19.5	19.5	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	MANGANESE	44.9		0.076	0.076	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	MOLYBDENUM	0.63		0.19	0.19	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	NICKEL	3.8		0.23	0.23	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	POTASSIUM	358		43	43	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	SELENIUM	0.99		0.37	0.37	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	VANADIUM	17.2		0.22	0.22	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW6010B	ZINC	23.1		0.11	0.11	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW7470A	MERCURY	0.024		0.016	0.016	mg/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8270C	2,4,6-TRINITROTOLUENE	4500	TI	1	1	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-14
J-3 Range Area 5
Hillside Impact Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8270C	2,4-DINITROTOLUENE	390		62.4	370	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8270C	2,6-DINITROTOLUENE	110	J	45.5	370	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8270C	2-AMINO-4,6-DINITROTOLUENE	120	TI	1	1	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8270C	2-NITROTOLUENE	94	TI	1	1	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8270C	ACENAPHTHYLENE	21	J	20.4	370	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8270C	BENZOIC ACID	200	J	123	930	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8270C	NAPHTHALENE	88	J	29.8	370	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8270C	PHENANTHRENE	31	J	26.3	370	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	1,3,5-TRINITROBENZENE	61		4.77	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	1,3-DINITROBENZENE	26		4.77	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	2,4,6-TRINITROTOLUENE	17000		37.5	330	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	2,4-DINITROTOLUENE	590		1.5	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	2,6-DINITROTOLUENE	1900	J	0.68	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	2-AMINO-4,6-DINITROTOLUENE	1200		75.5	330	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	2-NITROTOLUENE	70		4.55	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	4-AMINO-2,6-DINITROTOLUENE	1000		2.49	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	4-NITROTOLUENE	57		4.55	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	27		1.41	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	NITROBENZENE	19		1.66	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW8330	TETRYL	110		1.66	13	ug/Kg
SS339-A	ECC082203J301(post-1)	8/29/2003	SW9010	CYANIDE	6.5		0.49	0.49	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	ALUMINUM	9020		2.5	2.5	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	ARSENIC	2.8		0.5	0.5	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	BARIUM	11.7		0.62	0.62	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	BERYLLIUM	0.21		0.021	0.021	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	CADMIUM	0.073		0.063	0.063	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	CALCIUM	102		19.1	19.1	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	CHROMIUM, TOTAL	9.4		0.15	0.15	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	COBALT	1.5		0.21	0.21	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	COPPER	2420		2.5	2.5	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	IRON	9990		3.5	3.5	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	LEAD	355		0.14	0.14	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	MAGNESIUM	736		18.7	18.7	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	MANGANESE	40.6		0.073	0.073	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	MOLYBDENUM	0.45		0.18	0.18	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	NICKEL	4		0.22	0.22	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	POTASSIUM	341		41.2	41.2	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	SELENIUM	3.1		0.36	0.36	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	VANADIUM	16.8		0.21	0.21	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW6010B	ZINC	18.6		0.1	0.1	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW7470A	MERCURY	0.024		0.017	0.017	mg/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8270C	2-METHYLNAPHTHALENE	29	J	28.9	370	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8270C	NAPHTHALENE	87	J	29.8	370	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8270C	PHENANTHRENE	33	J	26.3	370	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8270C	PHENOL	78	J	39	370	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	1,3,5-TRINITROBENZENE	56		4.77	13	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-14
J-3 Range Area 5
Hillside Impact Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	1,3-DINITROBENZENE	31		4.77	13	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	2,4,6-TRINITROTOLUENE	53000		150	1300	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	2,4-DINITROTOLUENE	760		1.5	13	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	2,6-DINITROTOLUENE	3500	J	0.68	13	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	2-AMINO-4,6-DINITROTOLUENE	2200		302	1300	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	2-NITROTOLUENE	70		4.55	13	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	4-AMINO-2,6-DINITROTOLUENE	1700		249	1300	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	4-NITROTOLUENE	80		4.55	13	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	52		1.41	13	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	NITROBENZENE	16		1.66	13	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW8330	TETRYL	130		1.66	13	ug/Kg
SS339-A	ECC082203J301(post-2)	8/29/2003	SW9010	CYANIDE	4.3		0.54	0.54	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	ALUMINUM	13800		4.9	4.9	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	ARSENIC	3.9		0.37	0.37	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	BARIUM	12		1.3	1.3	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	BERYLLIUM	0.23	J	0.05	0.05	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	CADMIUM	3.5		0.07	0.07	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	CALCIUM	170		34.4	34.4	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	CHROMIUM, TOTAL	13.4		0.2	0.2	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	COBALT	2		0.37	0.37	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	COPPER	565		0.47	0.47	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	IRON	14900		5.8	5.8	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	LEAD	173		0.22	0.22	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	MAGNESIUM	742		35.7	35.7	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	MANGANESE	42.2		0.12	0.12	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	NICKEL	5.6		0.32	0.32	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	POTASSIUM	388		47.9	47.9	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	SELENIUM	2.9	J	0.64	0.64	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	VANADIUM	23.2		0.91	0.91	mg/Kg
SSA08290202	BI161	9/13/2002	CL200.7	ZINC	43.7		0.27	0.27	mg/Kg
SSA08290202	BI161	9/13/2002	SW8270	2,4-DINITROTOLUENE	340	J	35.8	430	ug/Kg
SSA08290202	BI161	9/13/2002	SW8270	2,6-DINITROTOLUENE	64	J	37.7	430	ug/Kg
SSA08290202	BI161	9/13/2002	SW8270	ACENAPHTHYLENE	33	J	33	430	ug/Kg
SSA08290202	BI161	9/13/2002	SW8270	BENZOIC ACID	120	J	120	1100	ug/Kg
SSA08290202	BI161	9/13/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	33	J	33	430	ug/Kg
SSA08290202	BI161	9/13/2002	SW8270	FLUORANTHENE	21	J	21	430	ug/Kg
SSA08290202	BI161	9/13/2002	SW8270	FLUORENE	20	J	20	430	ug/Kg
SSA08290202	BI161	9/13/2002	SW8270	NAPHTHALENE	47	J	46.4	430	ug/Kg
SSA08290202	BI161	9/13/2002	SW8270	PHENANTHRENE	49	J	42.6	430	ug/Kg
SSA08290202	BI161	9/13/2002	SW8270	PYRENE	26	J	26	430	ug/Kg
SSA08290202	BI161	9/13/2002	SW8330	2,4,6-TRINITROTOLUENE	15000		17.3	240	ug/Kg
SSA08290202	BI161	9/13/2002	SW8330	2,4-DINITROTOLUENE	510	J	20.2	120	ug/Kg
SSA08290202	BI161	9/13/2002	SW8330	2-AMINO-4,6-DINITROTOLUENE	3500		19.6	120	ug/Kg
SSA08290202	BI161	9/13/2002	SW8330	4-AMINO-2,6-DINITROTOLUENE	2700		22.2	120	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-356	MW-356-S01	10/28/2004	SW6010B	ALUMINUM (TOTAL)	11300		4.5	26.4904	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	ANTIMONY (TOTAL)	1	J	0.56	7.9471	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	ARSENIC (TOTAL)	4.1		0.41	1.3245	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	BARIUM (TOTAL)	12.6	J	1.5	26.4904	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.04	0.6623	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	BORON (TOTAL)	3.6	J	0.91	13.2452	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	CADMIUM (TOTAL)	0.44	J	0.066	0.6623	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	CALCIUM (TOTAL)	136	J	30.8	662.2604	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	CHROMIUM (TOTAL)	12.3		0.15	1.3245	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	COBALT (TOTAL)	1.7	J	0.41	6.6226	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	COPPER (TOTAL)	2.7	J	0.34	3.3113	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	IRON (TOTAL)	13900		4.7	13.2452	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	LEAD (TOTAL)	13.2		0.16	0.3974	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	MAGNESIUM (TOTAL)	643	J	32.1	662.2604	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	MANGANESE (TOTAL)	29.5		0.13	1.9868	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	NICKEL (TOTAL)	3.7	J	0.38	5.2981	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	POTASSIUM (TOTAL)	394	J	64.1	662.2604	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	SELENIUM (TOTAL)	0.82		0.41	0.6623	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	VANADIUM (TOTAL)	27.1		0.4	6.6226	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW6010B	ZINC (TOTAL)	11.2		0.25	2.649	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW7471A	MERCURY (TOTAL)	0.066	J	0.019	0.0468	mg/Kg
MW-356	MW-356-S01	10/28/2004	SW8270C	BENZOIC ACID	180	J	168	1100	ug/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	ALUMINUM (TOTAL)	14700		3.6	21.2332	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	ANTIMONY (TOTAL)	0.73	J	0.45	6.37	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	ARSENIC (TOTAL)	6		0.33	1.0617	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	BARIUM (TOTAL)	19.2	J	1.2	21.2332	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.032	0.5308	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	BORON (TOTAL)	4.6	J	0.73	10.6166	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	CADMIUM (TOTAL)	0.49	J	0.053	0.5308	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	CALCIUM (TOTAL)	98.7	J	24.7	530.8306	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	CHROMIUM (TOTAL)	19		0.12	1.0617	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	COBALT (TOTAL)	4.9	J	0.33	5.3083	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	COPPER (TOTAL)	4.9		0.28	2.6542	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	IRON (TOTAL)	17000		3.8	10.6166	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	LEAD (TOTAL)	7.8		0.13	0.3185	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	MAGNESIUM (TOTAL)	2220		25.7	530.8306	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	MANGANESE (TOTAL)	89.6		0.11	1.5925	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	NICKEL (TOTAL)	9.1		0.31	4.2466	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	POTASSIUM (TOTAL)	711		51.4	530.8306	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW6010B	VANADIUM (TOTAL)	26.7		0.32	5.3083	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-356	MW-356-S02	10/28/2004	SW6010B	ZINC (TOTAL)	21.1		0.2	2.1233	mg/Kg
MW-356	MW-356-S02	10/28/2004	SW7471A	MERCURY (TOTAL)	0.021	J	0.018	0.0422	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	ALUMINUM (TOTAL)	1080		3.5	20.256	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	ARSENIC (TOTAL)	1.7		0.31	1.0128	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	BARIUM (TOTAL)	5.1	J	1.1	20.256	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	BERYLLIUM (TOTAL)	0.12	J	0.03	0.5064	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	BORON (TOTAL)	5.1	J	0.7	10.128	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	CALCIUM (TOTAL)	73.3	J	23.6	506.4009	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	CHROMIUM (TOTAL)	4.1		0.11	1.0128	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	COBALT (TOTAL)	1.2	J	0.31	5.064	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	COPPER (TOTAL)	2.7		0.26	2.532	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	IRON (TOTAL)	5210		3.6	10.128	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	LEAD (TOTAL)	2.1		0.12	0.3038	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	MAGNESIUM (TOTAL)	358	J	24.5	506.4009	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	MANGANESE (TOTAL)	66.6		0.1	1.5192	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	MOLYBDENUM (TOTAL)	0.73	J	0.2	1.0128	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	NICKEL (TOTAL)	1.9	J	0.29	4.0512	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	POTASSIUM (TOTAL)	288	J	49	506.4009	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	VANADIUM (TOTAL)	5.5		0.3	5.064	mg/Kg
MW-356	MW-356-S03	11/16/2004	SW6010B	ZINC (TOTAL)	8.5		0.19	2.0256	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	ALUMINUM (TOTAL)	1410		2.9	16.8186	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	ANTIMONY (TOTAL)	0.44	J	0.35	5.0456	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	ARSENIC (TOTAL)	1.6		0.26	0.8409	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	BARIUM (TOTAL)	6.1	J	0.93	16.8186	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	BERYLLIUM (TOTAL)	0.16	J	0.025	0.4205	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	BORON (TOTAL)	4.7	J	0.58	8.4093	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	CALCIUM (TOTAL)	138	J	19.6	420.4649	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	CHROMIUM (TOTAL)	4.2		0.092	0.8409	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	COBALT (TOTAL)	1.7	J	0.26	4.2046	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	COPPER (TOTAL)	2.8		0.22	2.1023	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	IRON (TOTAL)	4940		3	8.4093	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	LEAD (TOTAL)	2.5		0.1	0.2523	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	MAGNESIUM (TOTAL)	593		20.4	420.4649	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	MANGANESE (TOTAL)	98.5		0.084	1.2614	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	MOLYBDENUM (TOTAL)	0.61	J	0.17	0.8409	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	NICKEL (TOTAL)	2.6	J	0.24	3.3637	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	POTASSIUM (TOTAL)	322	J	40.7	420.4649	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	VANADIUM (TOTAL)	5.8		0.25	4.2046	mg/Kg
MW-356	MW-356-S03FD	11/16/2004	SW6010B	ZINC (TOTAL)	9.4		0.16	1.6819	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	ALUMINUM (TOTAL)	2750	J	4	4	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198DG	05410	6/17/2003	CL200.7	ARSENIC (TOTAL)	2.3	J	0.52	0.52	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	BARIUM (TOTAL)	24.3		1.6	1.6	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	BERYLLIUM (TOTAL)	0.09	J	0.04	0.04	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	BORON (TOTAL)	2.6		1	1	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	CALCIUM (TOTAL)	398		48.5	48.5	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	CHROMIUM (TOTAL)	3.9	J	0.13	0.13	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	COBALT (TOTAL)	0.86		0.39	0.39	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	COPPER (TOTAL)	4.1		0.3	0.3	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	IRON (TOTAL)	4260	J	3.6	3.6	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	LEAD (TOTAL)	28	J	0.28	0.28	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	MAGNESIUM (TOTAL)	331	J	38.7	38.7	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	MANGANESE (TOTAL)	18.9	J	0.15	0.15	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	MOLYBDENUM (TOTAL)	0.46	J	0.35	0.35	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	NICKEL (TOTAL)	4.3		0.43	0.43	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	POTASSIUM (TOTAL)	421	J	54.3	54.3	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	SELENIUM (TOTAL)	0.77		0.37	0.37	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	SODIUM (TOTAL)	91.9	J	47.5	47.5	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	VANADIUM (TOTAL)	21.7		0.48	0.48	mg/Kg
SS198DG	05410	6/17/2003	CL200.7	ZINC (TOTAL)	15.3		0.7	1.2	mg/Kg
SS198DG	05410	6/17/2003	SW8270	BENZOIC ACID	130	J	123	1200	ug/Kg
SS198DG	05410	6/17/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	260	J	92	460	ug/Kg
SS198DG	05410	6/17/2003	SW8270	FLUORANTHENE	27	J	27	460	ug/Kg
SS198DG	05410	6/17/2003	SW8270	PHENANTHRENE	31	J	26.3	460	ug/Kg
SS198DG	05410	6/17/2003	SW8270	PYRENE	70	J	70	460	ug/Kg
SS198DG	05412	6/17/2003	CL200.7	ALUMINUM (TOTAL)	6500	J	3.7	3.7	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	ARSENIC (TOTAL)	3.4		0.48	0.48	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	BARIUM (TOTAL)	11.4		1.5	1.5	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	BERYLLIUM (TOTAL)	0.17	J	0.04	0.04	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	BORON (TOTAL)	2.7		0.93	0.93	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	CALCIUM (TOTAL)	106		45	45	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	CHROMIUM (TOTAL)	7.1	J	0.12	0.12	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	COBALT (TOTAL)	1.4		0.36	0.36	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	COPPER (TOTAL)	2.7		0.28	0.28	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	IRON (TOTAL)	9320	J	3.4	3.4	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	LEAD (TOTAL)	14.6	J	0.26	0.26	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	MAGNESIUM (TOTAL)	330	J	35.9	35.9	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	MANGANESE (TOTAL)	17.3	J	0.14	0.14	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	MOLYBDENUM (TOTAL)	0.76		0.32	0.32	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	NICKEL (TOTAL)	2.7		0.4	0.4	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	POTASSIUM (TOTAL)	369	J	50.4	50.4	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198DG	05412	6/17/2003	CL200.7	SELENIUM (TOTAL)	0.58	J	0.34	0.34	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	SODIUM (TOTAL)	139	J	44.1	44.1	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	VANADIUM (TOTAL)	21.6		0.44	0.44	mg/Kg
SS198DG	05412	6/17/2003	CL200.7	ZINC (TOTAL)	7		0.7	1.1	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	ALUMINUM (TOTAL)	11900	J	3.6	3.6	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	ARSENIC (TOTAL)	3.6		0.48	0.48	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	BARIUM (TOTAL)	10.5		1.5	1.5	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	BERYLLIUM (TOTAL)	0.31	J	0.04	0.04	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	BORON (TOTAL)	2.6		0.91	0.91	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	CALCIUM (TOTAL)	104		44.4	44.4	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	CHROMIUM (TOTAL)	11	J	0.12	0.12	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	COBALT (TOTAL)	2		0.36	0.36	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	COPPER (TOTAL)	1.7		0.28	0.28	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	IRON (TOTAL)	11900	J	3.3	3.3	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	LEAD (TOTAL)	7.6	J	0.26	0.26	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	MAGNESIUM (TOTAL)	482	J	35.4	35.4	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	MANGANESE (TOTAL)	24	J	0.14	0.14	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	MOLYBDENUM (TOTAL)	0.76		0.32	0.32	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	NICKEL (TOTAL)	4.2		0.4	0.4	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	POTASSIUM (TOTAL)	445	J	49.7	49.7	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	SELENIUM (TOTAL)	0.41	J	0.34	0.34	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	SODIUM (TOTAL)	175	J	43.5	43.5	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	THALLIUM (TOTAL)	0.75	J	0.4	0.56	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	VANADIUM (TOTAL)	20.9		0.44	0.44	mg/Kg
SS198DG	05414	6/17/2003	CL200.7	ZINC (TOTAL)	9.1		0.7	1.1	mg/Kg
SS198DG	05723	6/17/2003	CVOL	ACETONE	68		3.87	8	ug/Kg
SS198DG	05723	6/17/2003	CVOL	CHLOROFORM	1	J	0.384	8	ug/Kg
SS198DG	05723	6/17/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	2.79	8	ug/Kg
SS198EG	05248	6/11/2003	CL200.7	ALUMINUM (TOTAL)	3740	J	4.2	4.2	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	ARSENIC (TOTAL)	2.9		0.56	0.56	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	BARIUM (TOTAL)	10.5		1.7	1.7	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	CALCIUM (TOTAL)	62.5	J	42.1	42.1	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	CHROMIUM (TOTAL)	4.1	J	0.14	0.14	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	COBALT (TOTAL)	0.81	J	0.42	0.42	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	IRON (TOTAL)	6720	J	3.9	3.9	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	LEAD (TOTAL)	17	J	0.3	0.3	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	169		41.2	41.2	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	MANGANESE (TOTAL)	7.9	J	0.16	0.16	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	MOLYBDENUM (TOTAL)	0.9		0.37	0.37	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	NICKEL (TOTAL)	1.8		0.46	0.46	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198EG	05248	6/11/2003	CL200.7	POTASSIUM (TOTAL)	184	J	57.8	57.8	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	SODIUM (TOTAL)	146		50.6	50.6	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	VANADIUM (TOTAL)	17.4		0.51	0.51	mg/Kg
SS198EG	05248	6/11/2003	CL200.7	ZINC (TOTAL)	5.2	J	0.7	1.3	mg/Kg
SS198EG	05248	6/11/2003	CL245.5	MERCURY	0.08	J	0.0258	0.064	mg/Kg
SS198EG	05248	6/11/2003	SW8270	BENZOIC ACID	82	J	82	1000	ug/Kg
SS198EG	05248	6/11/2003	SW8270	FLUORANTHENE	20	J	20	420	ug/Kg
SS198EG	05248	6/11/2003	SW8270	PYRENE	39	J	39	420	ug/Kg
SS198EG	05250	6/11/2003	CL200.7	ALUMINUM (TOTAL)	5340	J	4.3	4.3	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	ARSENIC (TOTAL)	2.9		0.56	0.56	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	BARIUM (TOTAL)	8		1.7	1.7	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	CALCIUM (TOTAL)	55	J	42.4	42.4	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	CHROMIUM (TOTAL)	5.1	J	0.14	0.14	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	COBALT (TOTAL)	0.99		0.42	0.42	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	IRON (TOTAL)	8380	J	3.9	3.9	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	LEAD (TOTAL)	10.2	J	0.3	0.3	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	202		41.5	41.5	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	MANGANESE (TOTAL)	9.4	J	0.16	0.16	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	MOLYBDENUM (TOTAL)	0.78		0.37	0.37	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	NICKEL (TOTAL)	2.1		0.47	0.47	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	POTASSIUM (TOTAL)	195	J	58.2	58.2	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	SELENIUM (TOTAL)	0.47	J	0.4	0.4	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	SODIUM (TOTAL)	165		50.9	50.9	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	THALLIUM (TOTAL)	0.74	J	0.4	0.65	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	VANADIUM (TOTAL)	15.7		0.51	0.51	mg/Kg
SS198EG	05250	6/11/2003	CL200.7	ZINC (TOTAL)	5.5	J	0.7	1.3	mg/Kg
SS198EG	05250	6/11/2003	SW8270	BENZOIC ACID	62	J	62	1000	ug/Kg
SS198EG	05252	6/11/2003	CL200.7	ALUMINUM (TOTAL)	10400	J	4	4	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	ARSENIC (TOTAL)	3		0.53	0.53	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	BARIUM (TOTAL)	6.8		1.6	1.6	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	CHROMIUM (TOTAL)	8.9	J	0.13	0.13	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	COBALT (TOTAL)	1.5		0.4	0.4	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	IRON (TOTAL)	10200	J	3.7	3.7	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	LEAD (TOTAL)	7.3	J	0.29	0.29	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	374		39.3	39.3	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	MANGANESE (TOTAL)	17.2	J	0.15	0.15	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	MOLYBDENUM (TOTAL)	0.75		0.35	0.35	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	NICKEL (TOTAL)	3.9		0.44	0.44	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	POTASSIUM (TOTAL)	223	J	55	55	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	SELENIUM (TOTAL)	0.42	J	0.37	0.37	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198EG	05252	6/11/2003	CL200.7	SODIUM (TOTAL)	189		48.2	48.2	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	THALLIUM (TOTAL)	0.81	J	0.4	0.62	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	VANADIUM (TOTAL)	16		0.48	0.48	mg/Kg
SS198EG	05252	6/11/2003	CL200.7	ZINC (TOTAL)	7.6	J	0.7	1.3	mg/Kg
SS198EG	05252	6/11/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	390	ug/Kg
SS198EG	05469	6/11/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	2.79	7	ug/Kg
SS198EG	05470	6/11/2003	CVOL	ACETONE	230	J	3.87	8	ug/Kg
SS198EG	05470	6/11/2003	CVOL	CHLOROFORM	6	J	0.384	8	ug/Kg
SS198EG	05470	6/11/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	2.79	8	ug/Kg
SS198EG	05470	6/11/2003	CVOL	TOLUENE	2	J	0.236	8	ug/Kg
SS198EG	05724	6/17/2003	CVOL	ACETONE	59		3.87	8	ug/Kg
SS198EG	05724	6/17/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	2.79	8	ug/Kg
SS198EK	05542	6/13/2003	CL200.7	ALUMINUM (TOTAL)	8550		6	6.4	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	ARSENIC (TOTAL)	3.6		0.65	0.65	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	BARIUM (TOTAL)	14.4		1.6	1.6	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.21		0.05	0.05	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	BORON (TOTAL)	3.7		1.2	1.2	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	CALCIUM (TOTAL)	333		49.2	49.2	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	CHROMIUM (TOTAL)	9.6		0.38	0.38	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	COBALT (TOTAL)	1.7		0.54	0.54	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	COPPER (TOTAL)	37.5		0.65	0.65	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	IRON (TOTAL)	9870		9	9	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	LEAD (TOTAL)	19.2		0.3	0.35	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	870		48.2	48.2	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	MANGANESE (TOTAL)	41.1		0.19	0.19	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	NICKEL (TOTAL)	4.6		0.57	0.57	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	POTASSIUM (TOTAL)	443	J	106	106	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.7	J	0.46	0.46	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	VANADIUM (TOTAL)	24.5		0.54	0.54	mg/Kg
SS198EK	05542	6/13/2003	CL200.7	ZINC (TOTAL)	40.9	J	0.27	0.27	mg/Kg
SS198EK	05542	6/13/2003	SW8270	BENZOIC ACID	83	J	83	1200	ug/Kg
SS198EK	05542	6/13/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	34	J	34	460	ug/Kg
SS198EK	05542	6/13/2003	SW8270	PYRENE	31	J	31	460	ug/Kg
SS198EK	05544	6/13/2003	CL200.7	ALUMINUM (TOTAL)	7160		5.7	5.7	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	ARSENIC (TOTAL)	3.4		0.58	0.58	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	BARIUM (TOTAL)	13.5		1.4	1.4	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.17		0.05	0.05	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	BORON (TOTAL)	3.1		1.1	1.1	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	CHROMIUM (TOTAL)	8.3		0.34	0.34	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	COBALT (TOTAL)	1.4		0.48	0.48	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198EK	05544	6/13/2003	CL200.7	COPPER (TOTAL)	22.9		0.58	0.58	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	IRON (TOTAL)	9000		8	8	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	LEAD (TOTAL)	29.4		0.3	0.31	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	661		42.9	42.9	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	MANGANESE (TOTAL)	32.8		0.17	0.17	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	MOLYBDENUM (TOTAL)	0.61	J	0.4	0.41	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	NICKEL (TOTAL)	4		0.51	0.51	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	POTASSIUM (TOTAL)	351	J	94.6	94.6	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.43	J	0.41	0.41	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	VANADIUM (TOTAL)	28.9		0.48	0.48	mg/Kg
SS198EK	05544	6/13/2003	CL200.7	ZINC (TOTAL)	40.5	J	0.24	0.24	mg/Kg
SS198EK	05544	6/13/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	48	J	48	450	ug/Kg
SS198EK	05544	6/13/2003	SW8270	PYRENE	33	J	33	450	ug/Kg
SS198EK	05546	6/13/2003	CL200.7	ALUMINUM (TOTAL)	17100		5	5	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	ARSENIC (TOTAL)	4.9		0.51	0.51	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	BARIUM (TOTAL)	13.2		1.2	1.2	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.25		0.04	0.04	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	BORON (TOTAL)	3.4		0.97	0.97	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	CADMIUM (TOTAL)	0.13	J	0.1	0.13	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	CHROMIUM (TOTAL)	17.4		0.29	0.29	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	COBALT (TOTAL)	2.4		0.42	0.42	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	IRON (TOTAL)	16800		7	7	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	LEAD (TOTAL)	12.7		0.27	0.27	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	1100		37.5	37.5	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	MANGANESE (TOTAL)	39.7		0.15	0.15	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	MOLYBDENUM (TOTAL)	0.61	J	0.36	0.36	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	NICKEL (TOTAL)	5.5		0.44	0.44	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	POTASSIUM (TOTAL)	490	J	82.7	82.7	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	SELENIUM (TOTAL)	1.1	J	0.72	0.72	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	VANADIUM (TOTAL)	26.7		0.42	0.42	mg/Kg
SS198EK	05546	6/13/2003	CL200.7	ZINC (TOTAL)	28.2	J	0.21	0.21	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	ALUMINUM (TOTAL)	14500		5.5	5.5	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	ARSENIC (TOTAL)	4.1		0.56	0.56	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	BARIUM (TOTAL)	11.6		1.4	1.4	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.24		0.05	0.05	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	BORON (TOTAL)	2.8		1.1	1.1	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	CHROMIUM (TOTAL)	15		0.33	0.33	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	COBALT (TOTAL)	1.7		0.46	0.46	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	IRON (TOTAL)	14100		7.7	7.7	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	LEAD (TOTAL)	18.7		0.3	0.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198EK	05548	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	834		41.4	41.4	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	MANGANESE (TOTAL)	31.2		0.16	0.16	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	NICKEL (TOTAL)	4.5		0.49	0.49	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	POTASSIUM (TOTAL)	390	J	91.3	91.3	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.78	J	0.39	0.39	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	VANADIUM (TOTAL)	24		0.46	0.46	mg/Kg
SS198EK	05548	6/13/2003	CL200.7	ZINC (TOTAL)	25.3	J	0.23	0.23	mg/Kg
SS198EK	05548	6/13/2003	CL245.5	MERCURY	0.061	J	0.0258	0.056	mg/Kg
SS198EK	05548	6/13/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	60	J	60	420	ug/Kg
SS198EK	05550	6/13/2003	CL200.7	ALUMINUM (TOTAL)	17800		5.6	5.6	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	ARSENIC (TOTAL)	4.7		0.57	0.57	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	BARIUM (TOTAL)	16.1		1.4	1.4	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.31		0.05	0.05	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	BORON (TOTAL)	3.2		1.1	1.1	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	CHROMIUM (TOTAL)	18.5		0.33	0.33	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	COBALT (TOTAL)	2.9		0.47	0.47	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	IRON (TOTAL)	15600		7.9	7.9	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	LEAD (TOTAL)	9.8		0.3	0.31	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	1420		42	42	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	MANGANESE (TOTAL)	52.7		0.17	0.17	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	MOLYBDENUM (TOTAL)	0.49	J	0.4	0.4	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	NICKEL (TOTAL)	6.8		0.5	0.5	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	POTASSIUM (TOTAL)	550	J	92.6	92.6	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.54	J	0.4	0.4	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	VANADIUM (TOTAL)	24.7		0.47	0.47	mg/Kg
SS198EK	05550	6/13/2003	CL200.7	ZINC (TOTAL)	24.8	J	0.24	0.24	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	ALUMINUM (TOTAL)	5290		5.4	5.4	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	ARSENIC (TOTAL)	2.1		0.55	0.55	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	BARIUM (TOTAL)	6.2		1.4	1.4	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.19		0.05	0.05	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	BORON (TOTAL)	2.2		1.1	1.1	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	CHROMIUM (TOTAL)	6.4		0.32	0.32	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	COBALT (TOTAL)	1.1		0.46	0.46	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	COPPER (TOTAL)	34.2		0.55	0.55	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	IRON (TOTAL)	6740		7.7	7.7	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	LEAD (TOTAL)	8.8		0.3	0.3	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	557		41	41	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	MANGANESE (TOTAL)	23.7		0.16	0.16	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	NICKEL (TOTAL)	2.7		0.48	0.48	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	POTASSIUM (TOTAL)	278	J	90.3	90.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198EK	05552	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.69	J	0.39	0.39	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	VANADIUM (TOTAL)	13.5		0.46	0.46	mg/Kg
SS198EK	05552	6/13/2003	CL200.7	ZINC (TOTAL)	10.3	J	0.23	0.23	mg/Kg
SS198EK	05552	6/13/2003	SW8270	BENZOIC ACID	39	J	39	1000	ug/Kg
SS198EK	05554	6/13/2003	CL200.7	ALUMINUM (TOTAL)	2740		4.7	4.7	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	ARSENIC (TOTAL)	1.6		0.47	0.47	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	BARIUM (TOTAL)	5		1.2	1.2	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.13		0.04	0.04	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	BORON (TOTAL)	1.4	J	0.91	0.91	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	CHROMIUM (TOTAL)	3.8		0.28	0.28	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	COBALT (TOTAL)	0.72	J	0.39	0.39	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	COPPER (TOTAL)	23.4		0.47	0.47	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	IRON (TOTAL)	3950		6.6	6.6	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	LEAD (TOTAL)	7.5		0.26	0.26	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	339		35.2	35.2	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	MANGANESE (TOTAL)	18.5		0.14	0.14	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	NICKEL (TOTAL)	1.9		0.41	0.41	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	POTASSIUM (TOTAL)	187	J	77.6	77.6	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	VANADIUM (TOTAL)	10.2		0.39	0.39	mg/Kg
SS198EK	05554	6/13/2003	CL200.7	ZINC (TOTAL)	8.2	J	0.2	0.2	mg/Kg
SS198EK	05554	6/13/2003	SW8270	BENZOIC ACID	30	J	30	980	ug/Kg
SS198EK	05554	6/13/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	33	J	33	390	ug/Kg
SS198EK	05556	6/13/2003	CL200.7	ALUMINUM (TOTAL)	18500		5.5	5.5	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	ARSENIC (TOTAL)	10		0.56	0.56	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	BARIUM (TOTAL)	22.2		1.4	1.4	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.37		0.05	0.05	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	BORON (TOTAL)	3.9		1.1	1.1	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	CADMIUM (TOTAL)	0.17	J	0.1	0.14	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	CHROMIUM (TOTAL)	20.5		0.33	0.33	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	COBALT (TOTAL)	3.3		0.46	0.46	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	COPPER (TOTAL)	45.6		0.56	0.56	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	IRON (TOTAL)	18200		7.7	7.7	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	LEAD (TOTAL)	36.4		0.3	0.3	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	1530		41.4	41.4	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	MANGANESE (TOTAL)	54.8		0.16	0.16	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	MOLYBDENUM (TOTAL)	0.44	J	0.39	0.39	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	NICKEL (TOTAL)	7.4		0.49	0.49	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	POTASSIUM (TOTAL)	616	J	91.3	91.3	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	SELENIUM (TOTAL)	1.2		0.39	0.39	mg/Kg
SS198EK	05556	6/13/2003	CL200.7	VANADIUM (TOTAL)	28.8		0.46	0.46	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198EK	05556	6/13/2003	CL200.7	ZINC (TOTAL)	25.1	J	0.23	0.23	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	ALUMINUM (TOTAL)	13900		4.9	4.9	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	ARSENIC (TOTAL)	4.3		0.49	0.49	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	BARIUM (TOTAL)	19.8		1.2	1.2	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.33		0.04	0.04	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	BORON (TOTAL)	3.6		0.95	0.95	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	CADMIUM (TOTAL)	0.26		0.1	0.12	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	CHROMIUM (TOTAL)	14.3		0.29	0.29	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	COBALT (TOTAL)	2.4		0.41	0.41	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	COPPER (TOTAL)	30.7		0.49	0.49	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	IRON (TOTAL)	15600		6.8	6.8	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	LEAD (TOTAL)	19.6		0.27	0.27	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	819		36.7	36.7	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	MANGANESE (TOTAL)	48.9		0.14	0.14	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	NICKEL (TOTAL)	4.5		0.43	0.43	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	POTASSIUM (TOTAL)	418	J	80.8	80.8	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.81	J	0.35	0.35	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	VANADIUM (TOTAL)	25.1		0.41	0.41	mg/Kg
SS198EK	05558	6/13/2003	CL200.7	ZINC (TOTAL)	30.3	J	0.21	0.21	mg/Kg
SS198EK	05558	6/13/2003	CL245.5	MERCURY	0.2		0.0258	0.06	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	ALUMINUM (TOTAL)	13400		6	6	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	ARSENIC (TOTAL)	6.1		0.61	0.61	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	BARIUM (TOTAL)	22.2		1.5	1.5	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.31		0.05	0.05	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	BORON (TOTAL)	4.1		1.2	1.2	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	CADMIUM (TOTAL)	0.3		0.1	0.15	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	CALCIUM (TOTAL)	391		46.3	46.3	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	CHROMIUM (TOTAL)	19		0.36	0.36	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	COBALT (TOTAL)	3.5		0.51	0.51	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	COPPER (TOTAL)	51.9		0.61	0.61	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	IRON (TOTAL)	20200		8.5	8.5	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	LEAD (TOTAL)	20.7		0.3	0.33	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	1290		45.4	45.4	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	MANGANESE (TOTAL)	90.1		0.18	0.18	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	MOLYBDENUM (TOTAL)	0.87		0.4	0.43	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	NICKEL (TOTAL)	13.6		0.53	0.53	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	POTASSIUM (TOTAL)	486	J	100	100	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	SELENIUM (TOTAL)	1.2	J	0.43	0.43	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	VANADIUM (TOTAL)	25.1		0.51	0.51	mg/Kg
SS198EK	05560	6/13/2003	CL200.7	ZINC (TOTAL)	111	J	0.25	0.25	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198EK	05560	6/13/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	83	J	83	420	ug/Kg
SS198EK	05600	6/13/2003	CVOL	ACETONE	140	J	3.87	12	ug/Kg
SS198EK	05600	6/13/2003	CVOL	CHLOROFORM	1	J	0.384	12	ug/Kg
SS198EK	05600	6/13/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	2.79	12	ug/Kg
SS198EK	05600	6/13/2003	CVOL	TOLUENE	4	J	0.236	12	ug/Kg
SS198EK	05601	6/13/2003	CVOL	ACETONE	83	J	3.87	11	ug/Kg
SS198EK	05601	6/13/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	2.79	11	ug/Kg
SS198EK	05602	6/13/2003	CVOL	ACETONE	35	J	3.87	7	ug/Kg
SS198EK	05602	6/13/2003	CVOL	CHLOROFORM	2	J	0.384	7	ug/Kg
SS198EK	05602	6/13/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	2.79	7	ug/Kg
SS198FF	05272	6/10/2003	CL200.7	ALUMINUM (TOTAL)	12700	J	4	4	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	ARSENIC (TOTAL)	4.3		0.53	0.53	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	BARIUM (TOTAL)	12.3		1.6	1.6	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	BERYLLIUM (TOTAL)	0.34		0.04	0.04	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	CALCIUM (TOTAL)	72.7	J	40.1	40.1	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	CHROMIUM (TOTAL)	14.8	J	0.13	0.13	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	COBALT (TOTAL)	3.6		0.4	0.4	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	COPPER (TOTAL)	3.4		0.31	0.31	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	IRON (TOTAL)	13200	J	3.7	3.7	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	LEAD (TOTAL)	11.5	J	0.29	0.29	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	1550		39.3	39.3	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	MANGANESE (TOTAL)	53.6	J	0.15	0.15	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	0.48	J	0.35	0.35	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	NICKEL (TOTAL)	8.2		0.44	0.44	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	POTASSIUM (TOTAL)	542	J	55.1	55.1	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	SELENIUM (TOTAL)	0.49	J	0.37	0.37	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	SODIUM (TOTAL)	317	J	48.2	48.2	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	VANADIUM (TOTAL)	22.1		0.48	0.48	mg/Kg
SS198FF	05272	6/10/2003	CL200.7	ZINC (TOTAL)	16.4	J	0.7	1.3	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	ALUMINUM (TOTAL)	12000	J	4.1	4.1	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	ARSENIC (TOTAL)	3.8		0.54	0.54	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	BARIUM (TOTAL)	12.3		1.6	1.6	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	BERYLLIUM (TOTAL)	0.34		0.05	0.05	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	CALCIUM (TOTAL)	78.5	J	41	41	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	CHROMIUM (TOTAL)	13.6	J	0.14	0.14	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	COBALT (TOTAL)	3.5		0.41	0.41	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	COPPER (TOTAL)	3.6		0.32	0.32	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	IRON (TOTAL)	12700	J	3.8	3.8	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	LEAD (TOTAL)	8	J	0.29	0.29	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	1550		40.2	40.2	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198FF	05274	6/10/2003	CL200.7	MANGANESE (TOTAL)	53.5	J	0.16	0.16	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	0.5	J	0.36	0.36	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	NICKEL (TOTAL)	6.9		0.45	0.45	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	POTASSIUM (TOTAL)	519	J	56.3	56.3	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	SODIUM (TOTAL)	269	J	49.3	49.3	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	THALLIUM (TOTAL)	1	J	0.4	0.63	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	VANADIUM (TOTAL)	18.1		0.5	0.5	mg/Kg
SS198FF	05274	6/10/2003	CL200.7	ZINC (TOTAL)	16	J	0.7	1.3	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	ALUMINUM (TOTAL)	11400	J	3.4	3.4	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	ARSENIC (TOTAL)	3.4		0.44	0.44	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	BARIUM (TOTAL)	16.4		1.4	1.4	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	BERYLLIUM (TOTAL)	0.35		0.04	0.04	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	CALCIUM (TOTAL)	62.4	J	33.7	33.7	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	CHROMIUM (TOTAL)	13.5	J	0.11	0.11	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	COBALT (TOTAL)	4.3		0.33	0.33	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	COPPER (TOTAL)	4.7		0.26	0.26	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	IRON (TOTAL)	13100	J	3.1	3.1	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	LEAD (TOTAL)	6.5	J	0.24	0.24	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	1770		33	33	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	MANGANESE (TOTAL)	69.4	J	0.13	0.13	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	0.45	J	0.3	0.3	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	NICKEL (TOTAL)	7.4		0.37	0.37	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	POTASSIUM (TOTAL)	548	J	46.3	46.3	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	SODIUM (TOTAL)	276	J	40.5	40.5	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	THALLIUM (TOTAL)	0.65	J	0.4	0.52	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	VANADIUM (TOTAL)	16.9		0.41	0.41	mg/Kg
SS198FF	05276	6/10/2003	CL200.7	ZINC (TOTAL)	16.9	J	0.7	1.1	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	ALUMINUM (TOTAL)	13700	J	4.1	4.1	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	ARSENIC (TOTAL)	4.2		0.54	0.54	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	BARIUM (TOTAL)	10.3		1.6	1.6	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	BERYLLIUM (TOTAL)	0.31		0.05	0.05	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	CALCIUM (TOTAL)	53.1	J	41	41	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	CHROMIUM (TOTAL)	13.2	J	0.14	0.14	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	COBALT (TOTAL)	2.9		0.41	0.41	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	COPPER (TOTAL)	2.5		0.32	0.32	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	IRON (TOTAL)	14600	J	3.8	3.8	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	LEAD (TOTAL)	7.9	J	0.29	0.29	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	820		40.2	40.2	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	MANGANESE (TOTAL)	29.6	J	0.16	0.16	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	0.79		0.36	0.36	mg/Kg

J = Estimated
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ug/Kg = microgram per Kilogram
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TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198FF	05436	6/10/2003	CL200.7	NICKEL (TOTAL)	6.3		0.45	0.45	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	POTASSIUM (TOTAL)	356	J	56.3	56.3	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	SELENIUM (TOTAL)	0.45	J	0.38	0.38	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	SODIUM (TOTAL)	265	J	49.3	49.3	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	THALLIUM (TOTAL)	0.63	J	0.4	0.63	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	VANADIUM (TOTAL)	20.3		0.5	0.5	mg/Kg
SS198FF	05436	6/10/2003	CL200.7	ZINC (TOTAL)	12.3	J	0.7	1.3	mg/Kg
SS198FF	05436	6/10/2003	CL245.5	MERCURY	0.068	J	0.0258	0.059	mg/Kg
SS198FF	05443	6/10/2003	CVOL	ACETONE	77		3.87	6	ug/Kg
SS198FF	05443	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	2.79	6	ug/Kg
SS198FF	05444	6/10/2003	CL200.7	ALUMINUM (TOTAL)	4310	J	4.2	4.2	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	ARSENIC (TOTAL)	3		0.55	0.55	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	BARIUM (TOTAL)	16		1.7	1.7	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	BERYLLIUM (TOTAL)	0.14	J	0.05	0.05	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	CALCIUM (TOTAL)	151		41.8	41.8	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	CHROMIUM (TOTAL)	5.9	J	0.14	0.14	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	COBALT (TOTAL)	1.2		0.41	0.41	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	COPPER (TOTAL)	3.6		0.32	0.32	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	IRON (TOTAL)	7100	J	3.9	3.9	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	LEAD (TOTAL)	26.2	J	0.3	0.3	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	334		40.9	40.9	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	MANGANESE (TOTAL)	14.5	J	0.16	0.16	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	0.9		0.37	0.37	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	NICKEL (TOTAL)	3.1		0.46	0.46	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	POTASSIUM (TOTAL)	310	J	57.3	57.3	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	SODIUM (TOTAL)	172	J	50.2	50.2	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	VANADIUM (TOTAL)	24.8		0.5	0.5	mg/Kg
SS198FF	05444	6/10/2003	CL200.7	ZINC (TOTAL)	8.1	J	0.7	1.3	mg/Kg
SS198FF	05444	6/10/2003	CVOL	ACETONE	41	J	3.87	7	ug/Kg
SS198FF	05444	6/10/2003	CVOL	ACETONE	41	J	3.87	7	ug/Kg
SS198FF	05444	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	2.79	7	ug/Kg
SS198FF	05444	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	2.79	7	ug/Kg
SS198FF	05444	6/10/2003	SW8270	2-CHLOROBENZOIC ACID	550	J	283	2600	ug/Kg
SS198FF	05444	6/10/2003	SW8270	BENZOIC ACID	180	J	123	1100	ug/Kg
SS198FF	05444	6/10/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	26	430	ug/Kg
SS198FF	05445	6/10/2003	CL200.7	ALUMINUM (TOTAL)	9130	J	4.6	4.6	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	ARSENIC (TOTAL)	4.6		0.61	0.61	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	BARIUM (TOTAL)	12.9		1.8	1.8	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	BERYLLIUM (TOTAL)	0.23	J	0.05	0.05	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	CALCIUM (TOTAL)	93		46	46	mg/Kg

J = Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198FF	05445	6/10/2003	CL200.7	CHROMIUM (TOTAL)	9.8	J	0.15	0.15	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	COBALT (TOTAL)	2.1		0.45	0.45	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	COPPER (TOTAL)	3.2		0.35	0.35	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	IRON (TOTAL)	12900	J	4.2	4.2	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	LEAD (TOTAL)	16	J	0.3	0.33	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	667		45.1	45.1	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	MANGANESE (TOTAL)	24.2	J	0.18	0.18	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	0.96		0.4	0.4	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	NICKEL (TOTAL)	4.4		0.51	0.51	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	POTASSIUM (TOTAL)	351	J	63.2	63.2	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	SILVER (TOTAL)	0.25	J	0.23	0.23	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	SODIUM (TOTAL)	260	J	55.3	55.3	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	THALLIUM (TOTAL)	0.95	J	0.4	0.71	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	VANADIUM (TOTAL)	23.2		0.56	0.56	mg/Kg
SS198FF	05445	6/10/2003	CL200.7	ZINC (TOTAL)	10.6	J	0.7	1.4	mg/Kg
SS198FF	05445	6/10/2003	CL245.5	MERCURY	0.083	J	0.0258	0.051	mg/Kg
SS198FF	05445	6/10/2003	CVOL	ACETONE	130	J	3.87	7	ug/Kg
SS198FF	05445	6/10/2003	CVOL	ACETONE	130	J	3.87	7	ug/Kg
SS198FF	05445	6/10/2003	CVOL	CHLOROFORM	1	J	0.384	7	ug/Kg
SS198FF	05445	6/10/2003	CVOL	CHLOROFORM	1	J	0.384	7	ug/Kg
SS198FF	05445	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	2.79	7	ug/Kg
SS198FF	05445	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	2.79	7	ug/Kg
SS198FG	05416	6/17/2003	CL200.7	ALUMINUM (TOTAL)	7580	J	4.9	4.9	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	ARSENIC (TOTAL)	4.7		0.65	0.65	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	BARIUM (TOTAL)	19.7		2	2	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	BERYLLIUM (TOTAL)	0.2	J	0.05	0.05	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	BORON (TOTAL)	5.3		1.2	1.2	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	CALCIUM (TOTAL)	559		60	60	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	CHROMIUM (TOTAL)	10.3	J	0.16	0.16	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	COBALT (TOTAL)	2.1		0.48	0.48	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	COPPER (TOTAL)	46.8		0.38	0.38	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	IRON (TOTAL)	8980	J	4.5	4.5	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	LEAD (TOTAL)	33.2	J	0.3	0.35	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	MAGNESIUM (TOTAL)	715	J	47.9	47.9	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	MANGANESE (TOTAL)	44.6	J	0.19	0.19	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	MOLYBDENUM (TOTAL)	0.67	J	0.4	0.43	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	NICKEL (TOTAL)	5.5		0.54	0.54	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	POTASSIUM (TOTAL)	642	J	67.2	67.2	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	SELENIUM (TOTAL)	0.63	J	0.46	0.46	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	SODIUM (TOTAL)	237	J	58.8	58.8	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198FG	05416	6/17/2003	CL200.7	VANADIUM (TOTAL)	41.8		0.59	0.59	mg/Kg
SS198FG	05416	6/17/2003	CL200.7	ZINC (TOTAL)	57		0.7	1.5	mg/Kg
SS198FG	05416	6/17/2003	SW8270	BENZOIC ACID	170	J	123	1300	ug/Kg
SS198FG	05416	6/17/2003	SW8270	FLUORANTHENE	32	J	32	530	ug/Kg
SS198FG	05416	6/17/2003	SW8270	PHENANTHRENE	42	J	26.3	530	ug/Kg
SS198FG	05416	6/17/2003	SW8270	PYRENE	74	J	74	530	ug/Kg
SS198FG	05418	6/17/2003	CL200.7	ALUMINUM (TOTAL)	13300	J	4.5	4.5	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	ARSENIC (TOTAL)	5		0.59	0.59	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	BARIUM (TOTAL)	19.2		1.8	1.8	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	BERYLLIUM (TOTAL)	0.3	J	0.05	0.05	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	BORON (TOTAL)	4.5		1.1	1.1	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	CALCIUM (TOTAL)	305		54.9	54.9	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	CHROMIUM (TOTAL)	15.9	J	0.15	0.15	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	COBALT (TOTAL)	3.2		0.44	0.44	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	COPPER (TOTAL)	29.4		0.34	0.34	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	IRON (TOTAL)	14200	J	4.1	4.1	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	LEAD (TOTAL)	23.6	J	0.3	0.32	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	MAGNESIUM (TOTAL)	1090	J	43.9	43.9	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	MANGANESE (TOTAL)	50.6	J	0.17	0.17	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	MOLYBDENUM (TOTAL)	0.66	J	0.39	0.39	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	NICKEL (TOTAL)	7		0.49	0.49	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	POTASSIUM (TOTAL)	764	J	61.5	61.5	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	SELENIUM (TOTAL)	0.65	J	0.42	0.42	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	SODIUM (TOTAL)	219	J	53.8	53.8	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	VANADIUM (TOTAL)	32.6		0.54	0.54	mg/Kg
SS198FG	05418	6/17/2003	CL200.7	ZINC (TOTAL)	35.7		0.7	1.4	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	ALUMINUM (TOTAL)	18700	J	4.4	4.4	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	ARSENIC (TOTAL)	6		0.57	0.57	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	BARIUM (TOTAL)	15.8		1.7	1.7	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	BERYLLIUM (TOTAL)	0.4	J	0.05	0.05	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	BORON (TOTAL)	4.2		1.1	1.1	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	CALCIUM (TOTAL)	156		53.4	53.4	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	CHROMIUM (TOTAL)	20.3	J	0.14	0.14	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	COBALT (TOTAL)	3.8		0.43	0.43	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	COPPER (TOTAL)	18.1		0.34	0.34	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	IRON (TOTAL)	17900	J	4	4	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	LEAD (TOTAL)	9.5	J	0.3	0.31	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	MAGNESIUM (TOTAL)	1120	J	42.7	42.7	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	MANGANESE (TOTAL)	49.8	J	0.17	0.17	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	MOLYBDENUM (TOTAL)	0.78		0.38	0.38	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198FG	05420	6/17/2003	CL200.7	NICKEL (TOTAL)	7		0.48	0.48	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	POTASSIUM (TOTAL)	728	J	59.9	59.9	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	SELENIUM (TOTAL)	0.86		0.41	0.41	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	SODIUM (TOTAL)	349		52.4	52.4	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	THALLIUM (TOTAL)	1.5		0.4	0.67	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	VANADIUM (TOTAL)	30.9		0.53	0.53	mg/Kg
SS198FG	05420	6/17/2003	CL200.7	ZINC (TOTAL)	20		0.7	1.4	mg/Kg
SS198FG	05725	6/17/2003	CVOL	ACETONE	70		3.87	8	ug/Kg
SS198FG	05725	6/17/2003	CVOL	CHLOROFORM	2	J	0.384	8	ug/Kg
SS198FG	05725	6/17/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	2.79	8	ug/Kg
SS198FK	05562	6/13/2003	CL200.7	ALUMINUM (TOTAL)	8180		6	6.3	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	ARSENIC (TOTAL)	4.7		0.64	0.64	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	BARIUM (TOTAL)	18.2		1.6	1.6	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.17		0.05	0.05	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	BORON (TOTAL)	3.8		1.2	1.2	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	CHROMIUM (TOTAL)	8.5		0.38	0.38	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	COBALT (TOTAL)	1.4		0.54	0.54	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	COPPER (TOTAL)	18.1		0.64	0.64	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	IRON (TOTAL)	11000		8.9	8.9	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	LEAD (TOTAL)	35		0.3	0.35	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	640		47.9	47.9	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	MANGANESE (TOTAL)	29.2		0.19	0.19	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	MOLYBDENUM (TOTAL)	0.46	J	0.4	0.46	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	NICKEL (TOTAL)	4.5		0.56	0.56	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	POTASSIUM (TOTAL)	388	J	106	106	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.93	J	0.46	0.46	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	VANADIUM (TOTAL)	30.2		0.54	0.54	mg/Kg
SS198FK	05562	6/13/2003	CL200.7	ZINC (TOTAL)	25.1	J	0.27	0.27	mg/Kg
SS198FK	05562	6/13/2003	SW8270	PYRENE	52	J	52	460	ug/Kg
SS198FK	05564	6/13/2003	CL200.7	ALUMINUM (TOTAL)	17800		6	6	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	ARSENIC (TOTAL)	5.5		0.61	0.61	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	BARIUM (TOTAL)	13.4		1.5	1.5	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.32		0.05	0.05	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	BORON (TOTAL)	3.7		1.2	1.2	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	CHROMIUM (TOTAL)	16.9		0.35	0.35	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	COBALT (TOTAL)	2.7		0.51	0.51	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	COPPER (TOTAL)	59.6		0.61	0.61	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	IRON (TOTAL)	17100		8.4	8.4	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	LEAD (TOTAL)	12.6		0.3	0.33	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	1070		45.2	45.2	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198FK	05564	6/13/2003	CL200.7	MANGANESE (TOTAL)	41.6		0.18	0.18	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	MOLYBDENUM (TOTAL)	0.61	J	0.4	0.43	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	NICKEL (TOTAL)	5.8		0.53	0.53	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	POTASSIUM (TOTAL)	509	J	99.6	99.6	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	SELENIUM (TOTAL)	1	J	0.43	0.43	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	VANADIUM (TOTAL)	26.2		0.51	0.51	mg/Kg
SS198FK	05564	6/13/2003	CL200.7	ZINC (TOTAL)	14.9	J	0.25	0.25	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	ALUMINUM (TOTAL)	16800		5.1	5.1	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	ARSENIC (TOTAL)	4.3		0.51	0.51	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	BARIUM (TOTAL)	13.2		1.3	1.3	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.29		0.04	0.04	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	BORON (TOTAL)	3.1		0.99	0.99	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	CHROMIUM (TOTAL)	16.7		0.3	0.3	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	COBALT (TOTAL)	3.8		0.43	0.43	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	COPPER (TOTAL)	5.2		0.51	0.51	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	IRON (TOTAL)	17500		7.1	7.1	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	LEAD (TOTAL)	7.5		0.28	0.28	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	2010		38.2	38.2	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	MANGANESE (TOTAL)	123		0.15	0.15	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	NICKEL (TOTAL)	8.9		0.45	0.45	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	POTASSIUM (TOTAL)	485	J	84.2	84.2	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.95	J	0.36	0.36	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	VANADIUM (TOTAL)	22.6		0.43	0.43	mg/Kg
SS198FK	05566	6/13/2003	CL200.7	ZINC (TOTAL)	22	J	0.21	0.21	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	ALUMINUM (TOTAL)	12000		5.6	5.6	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	ARSENIC (TOTAL)	6.6		0.57	0.57	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	BARIUM (TOTAL)	15.2		1.4	1.4	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.37		0.05	0.05	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	BORON (TOTAL)	4.1		1.1	1.1	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	CHROMIUM (TOTAL)	16.6		0.33	0.33	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	COBALT (TOTAL)	4.4		0.47	0.47	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	COPPER (TOTAL)	35.3		0.57	0.57	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	IRON (TOTAL)	16100		7.9	7.9	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	LEAD (TOTAL)	14.1		0.3	0.31	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	2140		42.3	42.3	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	MANGANESE (TOTAL)	84.9		0.17	0.17	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	NICKEL (TOTAL)	9.8		0.5	0.5	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	POTASSIUM (TOTAL)	626	J	93.2	93.2	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.64	J	0.4	0.4	mg/Kg
SS198FK	05568	6/13/2003	CL200.7	VANADIUM (TOTAL)	23.6		0.47	0.47	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198FK	05568	6/13/2003	CL200.7	ZINC (TOTAL)	19.8	J	0.24	0.24	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	ALUMINUM (TOTAL)	17100		4.7	4.7	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	ARSENIC (TOTAL)	5.8		0.48	0.48	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	BARIUM (TOTAL)	19.9		1.2	1.2	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.45		0.04	0.04	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	BORON (TOTAL)	3.7		0.92	0.92	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	CHROMIUM (TOTAL)	19.7		0.28	0.28	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	COBALT (TOTAL)	4.2		0.4	0.4	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	COPPER (TOTAL)	169		0.48	0.48	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	IRON (TOTAL)	17400		6.6	6.6	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	LEAD (TOTAL)	18.5		0.26	0.26	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	2000		35.6	35.6	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	MANGANESE (TOTAL)	74.7		0.14	0.14	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	NICKEL (TOTAL)	8.4		0.42	0.42	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	POTASSIUM (TOTAL)	647	J	78.4	78.4	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.78	J	0.34	0.34	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	VANADIUM (TOTAL)	25.6		0.4	0.4	mg/Kg
SS198FK	05570	6/13/2003	CL200.7	ZINC (TOTAL)	19.8	J	0.2	0.2	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	ALUMINUM (TOTAL)	11700		5.1	5.1	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	ARSENIC (TOTAL)	4.5		0.52	0.52	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	BARIUM (TOTAL)	18.6		1.3	1.3	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	BERYLLIUM (TOTAL)	0.41		0.04	0.04	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	BORON (TOTAL)	3.3		0.99	0.99	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	CHROMIUM (TOTAL)	14.9		0.3	0.3	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	COBALT (TOTAL)	4.4		0.43	0.43	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	COPPER (TOTAL)	40.3		0.52	0.52	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	IRON (TOTAL)	13100		7.2	7.2	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	LEAD (TOTAL)	7.3		0.28	0.28	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	MAGNESIUM (TOTAL)	2060		38.5	38.5	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	MANGANESE (TOTAL)	83.2		0.15	0.15	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	NICKEL (TOTAL)	8.3		0.45	0.45	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	POTASSIUM (TOTAL)	764	J	84.9	84.9	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	SELENIUM (TOTAL)	0.64	J	0.37	0.37	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	VANADIUM (TOTAL)	19.6		0.43	0.43	mg/Kg
SS198FK	05572	6/13/2003	CL200.7	ZINC (TOTAL)	23.3	J	0.22	0.22	mg/Kg
SS198FK	05603	6/13/2003	CVOL	ACETONE	56		3.87	9	ug/Kg
SS198FK	05604	6/13/2003	CVOL	ACETONE	83	J	3.87	9	ug/Kg
SS198FK	05604	6/13/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	2.79	9	ug/Kg
SS198GE	05256	6/10/2003	CL200.7	ALUMINUM (TOTAL)	4200	J	5.5	5.5	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	ARSENIC (TOTAL)	2.8		0.73	0.73	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198GE	05256	6/10/2003	CL200.7	BARIUM (TOTAL)	31.3		2.2	2.2	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	CALCIUM (TOTAL)	731		55	55	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	CHROMIUM (TOTAL)	4.8	J	0.18	0.18	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	COBALT (TOTAL)	1.1		0.54	0.54	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	COPPER (TOTAL)	8.1		0.42	0.42	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	IRON (TOTAL)	7710	J	5.1	5.1	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	LEAD (TOTAL)	42.2	J	0.3	0.39	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	324		53.9	53.9	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	MANGANESE (TOTAL)	15.2	J	0.21	0.21	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	0.79	J	0.4	0.48	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	NICKEL (TOTAL)	7.1		0.6	0.6	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	POTASSIUM (TOTAL)	322	J	75.5	75.5	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	SODIUM (TOTAL)	131	J	66.1	66.1	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	THALLIUM (TOTAL)	1	J	0.4	0.85	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	VANADIUM (TOTAL)	33.4		0.66	0.66	mg/Kg
SS198GE	05256	6/10/2003	CL200.7	ZINC (TOTAL)	22.3	J	0.7	1.7	mg/Kg
SS198GE	05256	6/10/2003	SW8270	BENZOIC ACID	190	J	123	1200	ug/Kg
SS198GE	05256	6/10/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	52	J	52	500	ug/Kg
SS198GE	05256	6/10/2003	SW8270	CHRYSENE	33	J	26	500	ug/Kg
SS198GE	05256	6/10/2003	SW8270	FLUORANTHENE	41	J	41	500	ug/Kg
SS198GE	05256	6/10/2003	SW8270	PHENANTHRENE	35	J	26.3	500	ug/Kg
SS198GE	05256	6/10/2003	SW8270	PYRENE	77	J	75.2	500	ug/Kg
SS198GE	05258	6/10/2003	CL200.7	ALUMINUM (TOTAL)	5260	J	5	5	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	ARSENIC (TOTAL)	3.4		0.66	0.66	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	BARIUM (TOTAL)	30		2	2	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	CALCIUM (TOTAL)	590		49.8	49.8	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	CHROMIUM (TOTAL)	5.7	J	0.16	0.16	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	COBALT (TOTAL)	1.2		0.49	0.49	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	COPPER (TOTAL)	8		0.38	0.38	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	IRON (TOTAL)	9170	J	4.6	4.6	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	LEAD (TOTAL)	44	J	0.3	0.36	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	335		48.8	48.8	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	MANGANESE (TOTAL)	16.4	J	0.19	0.19	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	1.1		0.4	0.44	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	NICKEL (TOTAL)	6.6		0.55	0.55	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	POTASSIUM (TOTAL)	392	J	68.4	68.4	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	SELENIUM (TOTAL)	0.6	J	0.47	0.47	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	SODIUM (TOTAL)	195	J	59.9	59.9	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	THALLIUM (TOTAL)	0.91	J	0.4	0.77	mg/Kg
SS198GE	05258	6/10/2003	CL200.7	VANADIUM (TOTAL)	38.3		0.6	0.6	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198GE	05258	6/10/2003	CL200.7	ZINC (TOTAL)	19.3	J	0.7	1.6	mg/Kg
SS198GE	05258	6/10/2003	CL245.5	MERCURY	0.11	J	0.0258	0.084	mg/Kg
SS198GE	05258	6/10/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	39	J	39	560	ug/Kg
SS198GE	05258	6/10/2003	SW8270	FLUORANTHENE	52	J	52	560	ug/Kg
SS198GE	05258	6/10/2003	SW8270	PHENANTHRENE	40	J	26.3	560	ug/Kg
SS198GE	05258	6/10/2003	SW8270	PYRENE	76	J	75.2	560	ug/Kg
SS198GE	05260	6/10/2003	CL200.7	ALUMINUM (TOTAL)	6020	J	4.6	4.6	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	ARSENIC (TOTAL)	3.7		0.6	0.6	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	BARIUM (TOTAL)	15.5		1.8	1.8	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	CALCIUM (TOTAL)	202		45.4	45.4	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	CHROMIUM (TOTAL)	6.4	J	0.15	0.15	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	COBALT (TOTAL)	1.3		0.45	0.45	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	COPPER (TOTAL)	5.1		0.35	0.35	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	IRON (TOTAL)	11900	J	4.2	4.2	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	LEAD (TOTAL)	17.9	J	0.3	0.32	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	279		44.4	44.4	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	MANGANESE (TOTAL)	11.8	J	0.17	0.17	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	0.89		0.4	0.4	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	NICKEL (TOTAL)	3.1		0.5	0.5	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	POTASSIUM (TOTAL)	280	J	62.3	62.3	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	SODIUM (TOTAL)	197	J	54.5	54.5	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	VANADIUM (TOTAL)	27.3		0.55	0.55	mg/Kg
SS198GE	05260	6/10/2003	CL200.7	ZINC (TOTAL)	10.1	J	0.7	1.4	mg/Kg
SS198GE	05260	6/10/2003	CL245.5	MERCURY	0.098	J	0.0258	0.064	mg/Kg
SS198GE	05260	6/10/2003	SW8270	BENZOIC ACID	54	J	54	1100	ug/Kg
SS198GE	05262	6/10/2003	CL200.7	ALUMINUM (TOTAL)	6390	J	5.1	5.1	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	ARSENIC (TOTAL)	4.1		0.67	0.67	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	BARIUM (TOTAL)	14.3		2	2	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	CALCIUM (TOTAL)	166		51	51	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	CHROMIUM (TOTAL)	6.7	J	0.17	0.17	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	COBALT (TOTAL)	1.4		0.5	0.5	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	COPPER (TOTAL)	5		0.39	0.39	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	IRON (TOTAL)	12600	J	4.7	4.7	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	LEAD (TOTAL)	16.7	J	0.3	0.36	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	297		50	50	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	MANGANESE (TOTAL)	12.6	J	0.2	0.2	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	0.92		0.4	0.45	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	NICKEL (TOTAL)	3.1		0.56	0.56	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	POTASSIUM (TOTAL)	309	J	70.1	70.1	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	SODIUM (TOTAL)	236	J	61.3	61.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198GE	05262	6/10/2003	CL200.7	THALLIUM (TOTAL)	1.1	J	0.4	0.78	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	VANADIUM (TOTAL)	25.9		0.62	0.62	mg/Kg
SS198GE	05262	6/10/2003	CL200.7	ZINC (TOTAL)	9.3	J	0.7	1.6	mg/Kg
SS198GE	05262	6/10/2003	CL245.5	MERCURY	0.072	J	0.0258	0.056	mg/Kg
SS198GE	05262	6/10/2003	SW8270	BENZOIC ACID	72	J	72	1200	ug/Kg
SS198GE	05262	6/10/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32	J	32	490	ug/Kg
SS198GE	05264	6/10/2003	CL200.7	ALUMINUM (TOTAL)	15700	J	5.3	5.3	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	ARSENIC (TOTAL)	4.5		0.69	0.69	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	BARIUM (TOTAL)	12.3		2.1	2.1	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	CALCIUM (TOTAL)	122		52.5	52.5	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	CHROMIUM (TOTAL)	13.2	J	0.17	0.17	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	COBALT (TOTAL)	2.3		0.52	0.52	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	IRON (TOTAL)	15900	J	4.8	4.8	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	LEAD (TOTAL)	11	J	0.3	0.37	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	MAGNESIUM (TOTAL)	514		51.4	51.4	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	MANGANESE (TOTAL)	23.8	J	0.2	0.2	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	MOLYBDENUM (TOTAL)	1		0.4	0.46	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	NICKEL (TOTAL)	5		0.58	0.58	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	POTASSIUM (TOTAL)	352	J	72	72	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	SELENIUM (TOTAL)	0.67	J	0.49	0.49	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	SODIUM (TOTAL)	281	J	63.1	63.1	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	THALLIUM (TOTAL)	0.84	J	0.4	0.81	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	VANADIUM (TOTAL)	23.7		0.63	0.63	mg/Kg
SS198GE	05264	6/10/2003	CL200.7	ZINC (TOTAL)	11.3	J	0.7	1.6	mg/Kg
SS198GE	05264	6/10/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23	J	23	480	ug/Kg
SS198GE	05451	6/10/2003	CVOL	ACETONE	75	J	3.87	7	ug/Kg
SS198GE	05451	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	2.79	7	ug/Kg
SS198GE	05453	6/10/2003	CVOL	ACETONE	80	J	3.87	9	ug/Kg
SS198GE	05453	6/10/2003	CVOL	CHLOROFORM	1	J	0.384	9	ug/Kg
SS198GE	05453	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	2.79	9	ug/Kg
SS198GE	05454	6/10/2003	CVOL	ACETONE	220	J	3.87	8	ug/Kg
SS198GE	05454	6/10/2003	CVOL	CHLOROFORM	2	J	0.384	8	ug/Kg
SS198GE	05454	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	2.79	8	ug/Kg
SS198GE	05455	6/10/2003	CVOL	ACETONE	85	J	3.87	7	ug/Kg
SS198GE	05455	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	2.79	7	ug/Kg
SS198GE	05456	6/10/2003	CVOL	ACETONE	270	J	3.87	10	ug/Kg
SS198GE	05456	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	2.79	10	ug/Kg
SS198GE	05456	6/10/2003	CVOL	TOLUENE	1	J	0.236	10	ug/Kg
SS198GG	05428	6/11/2003	CL200.7	ALUMINUM (TOTAL)	1890	J	4.6	4.6	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	ARSENIC (TOTAL)	1	J	0.61	0.61	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198GG	05428	6/11/2003	CL200.7	BARIUM (TOTAL)	5.9		1.8	1.8	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	CALCIUM (TOTAL)	56.4	J	46	46	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	CHROMIUM (TOTAL)	2.2	J	0.15	0.15	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	IRON (TOTAL)	2870	J	4.2	4.2	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	LEAD (TOTAL)	10.9	J	0.3	0.33	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	86.8	J	45	45	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	MANGANESE (TOTAL)	4.9	J	0.18	0.18	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	MOLYBDENUM (TOTAL)	0.47	J	0.4	0.4	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	NICKEL (TOTAL)	1.1		0.51	0.51	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	POTASSIUM (TOTAL)	113	J	63.1	63.1	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	SODIUM (TOTAL)	66.2	J	55.2	55.2	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	VANADIUM (TOTAL)	10		0.56	0.56	mg/Kg
SS198GG	05428	6/11/2003	CL200.7	ZINC (TOTAL)	4.3	J	0.7	1.4	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	ALUMINUM (TOTAL)	6460	J	4.7	4.7	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	ARSENIC (TOTAL)	2.6		0.61	0.61	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	BARIUM (TOTAL)	12.6		1.9	1.9	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	CALCIUM (TOTAL)	67.1	J	46.3	46.3	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	CHROMIUM (TOTAL)	6.6	J	0.15	0.15	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	COBALT (TOTAL)	1.3		0.46	0.46	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	COPPER (TOTAL)	4.6		0.36	0.36	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	IRON (TOTAL)	11200	J	4.3	4.3	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	LEAD (TOTAL)	11.3	J	0.3	0.33	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	207		45.4	45.4	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	MANGANESE (TOTAL)	15.6	J	0.18	0.18	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	MOLYBDENUM (TOTAL)	0.78	J	0.4	0.41	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	NICKEL (TOTAL)	2.5		0.51	0.51	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	POTASSIUM (TOTAL)	231	J	63.6	63.6	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	SODIUM (TOTAL)	180		55.7	55.7	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	THALLIUM (TOTAL)	0.98	J	0.4	0.71	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	VANADIUM (TOTAL)	20.5		0.56	0.56	mg/Kg
SS198GG	05430	6/11/2003	CL200.7	ZINC (TOTAL)	6.3	J	0.7	1.5	mg/Kg
SS198GG	05430	6/11/2003	SW8270	DI-N-BUTYL PHTHALATE	130	J	25.3	430	ug/Kg
SS198GG	05430	6/11/2003	SW8270	N-NITROSODIPHENYLAMINE	43	J	27.1	430	ug/Kg
SS198GG	05432	6/11/2003	CL200.7	ALUMINUM (TOTAL)	7460	J	3.9	3.9	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	ARSENIC (TOTAL)	2.6		0.51	0.51	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	BARIUM (TOTAL)	11.7		1.5	1.5	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	CALCIUM (TOTAL)	68.3	J	38.6	38.6	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	CHROMIUM (TOTAL)	6.6	J	0.13	0.13	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	COBALT (TOTAL)	1.3		0.38	0.38	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	COPPER (TOTAL)	3.7		0.3	0.3	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198GG	05432	6/11/2003	CL200.7	IRON (TOTAL)	11300	J	3.6	3.6	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	LEAD (TOTAL)	10.3	J	0.28	0.28	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	229		37.8	37.8	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	MANGANESE (TOTAL)	14.9	J	0.15	0.15	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	MOLYBDENUM (TOTAL)	0.83		0.34	0.34	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	NICKEL (TOTAL)	2.6		0.42	0.42	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	POTASSIUM (TOTAL)	173	J	53	53	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	SELENIUM (TOTAL)	0.52	J	0.36	0.36	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	SODIUM (TOTAL)	182		46.4	46.4	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	THALLIUM (TOTAL)	0.61	J	0.4	0.59	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	VANADIUM (TOTAL)	18.7		0.47	0.47	mg/Kg
SS198GG	05432	6/11/2003	CL200.7	ZINC (TOTAL)	6.1	J	0.7	1.2	mg/Kg
SS198GG	05432	6/11/2003	CL245.5	MERCURY	0.066	J	0.0258	0.058	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	ALUMINUM (TOTAL)	10300		6	8	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	ARSENIC (TOTAL)	7.1		0.81	0.81	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	BARIUM (TOTAL)	34.5		2.5	2.5	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.18		0.07	0.07	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	BORON (TOTAL)	5.4		1.6	1.6	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	CALCIUM (TOTAL)	561		61.4	61.4	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	CHROMIUM (TOTAL)	12.8		0.47	0.47	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	COBALT (TOTAL)	2.1		0.67	0.67	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	COPPER (TOTAL)	26.3		0.47	0.47	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	IRON (TOTAL)	15800		9.1	11.2	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	LEAD (TOTAL)	57.6		0.3	0.51	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	828		60.1	60.1	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	MANGANESE (TOTAL)	38.9		0.24	0.24	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.95	J	0.4	0.57	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	NICKEL (TOTAL)	8.4		0.67	0.67	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	POTASSIUM (TOTAL)	581	J	132	132	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	VANADIUM (TOTAL)	48.9		0.67	0.67	mg/Kg
SS198GK	05488	6/12/2003	CL200.7	ZINC (TOTAL)	21		0.34	0.34	mg/Kg
SS198GK	05488	6/12/2003	CL245.5	MERCURY	0.14	J	0.0258	0.084	mg/Kg
SS198GK	05488	6/12/2003	SW8270	BENZOIC ACID	120	J	120	1500	ug/Kg
SS198GK	05488	6/12/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	33	J	33	590	ug/Kg
SS198GK	05488	6/12/2003	SW8270	CHRYSENE	36	J	26	590	ug/Kg
SS198GK	05488	6/12/2003	SW8270	FLUORANTHENE	44	J	44	590	ug/Kg
SS198GK	05488	6/12/2003	SW8270	PHENANTHRENE	36	J	26.3	590	ug/Kg
SS198GK	05488	6/12/2003	SW8270	PYRENE	50	J	50	590	ug/Kg
SS198GK	05490	6/12/2003	CL200.7	ALUMINUM (TOTAL)	12300		5.6	5.6	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	ARSENIC (TOTAL)	5.6		0.57	0.57	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198GK	05490	6/12/2003	CL200.7	BARIUM (TOTAL)	16.1		1.7	1.7	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.22		0.05	0.05	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	BORON (TOTAL)	3		1.1	1.1	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	CALCIUM (TOTAL)	159		43.3	43.3	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	CHROMIUM (TOTAL)	11.5		0.33	0.33	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	COBALT (TOTAL)	1.4		0.48	0.48	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	COPPER (TOTAL)	4.5		0.33	0.33	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	IRON (TOTAL)	16700		7.9	7.9	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	LEAD (TOTAL)	12.8		0.3	0.36	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	556		42.4	42.4	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	MANGANESE (TOTAL)	20.3		0.17	0.17	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.7	J	0.4	0.4	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	NICKEL (TOTAL)	4.7		0.48	0.48	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	POTASSIUM (TOTAL)	371	J	93.4	93.4	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	VANADIUM (TOTAL)	26		0.48	0.48	mg/Kg
SS198GK	05490	6/12/2003	CL200.7	ZINC (TOTAL)	13		0.24	0.24	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	ALUMINUM (TOTAL)	18000		5.3	5.3	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	ARSENIC (TOTAL)	6.9		0.54	0.54	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	BARIUM (TOTAL)	18.1		1.6	1.6	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.34		0.04	0.04	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	BORON (TOTAL)	3.1		1	1	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	CALCIUM (TOTAL)	85.4		40.9	40.9	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	CHROMIUM (TOTAL)	18.3		0.31	0.31	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	COBALT (TOTAL)	3.1		0.45	0.45	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	COPPER (TOTAL)	5		0.31	0.31	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	IRON (TOTAL)	20100		7.5	7.5	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	LEAD (TOTAL)	10.1		0.3	0.34	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	1250		40.1	40.1	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	MANGANESE (TOTAL)	42.9		0.16	0.16	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.57	J	0.38	0.38	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	NICKEL (TOTAL)	8.2		0.45	0.45	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	POTASSIUM (TOTAL)	503	J	88.4	88.4	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	VANADIUM (TOTAL)	26		0.45	0.45	mg/Kg
SS198GK	05492	6/12/2003	CL200.7	ZINC (TOTAL)	15.4		0.22	0.22	mg/Kg
SS198GK	05492	6/12/2003	SW8270	BENZOIC ACID	35	J	35	950	ug/Kg
SS198GK	05492	6/12/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	380	ug/Kg
SS198GK	05500	6/12/2003	CL200.7	ALUMINUM (TOTAL)	11700		6	7.1	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	ARSENIC (TOTAL)	6.8		0.72	0.72	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	BARIUM (TOTAL)	22.2		2.2	2.2	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.18		0.06	0.06	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198GK	05500	6/12/2003	CL200.7	BORON (TOTAL)	4		1.4	1.4	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	CALCIUM (TOTAL)	240		54.8	54.8	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	CHROMIUM (TOTAL)	12.7		0.42	0.42	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	COBALT (TOTAL)	1.7		0.6	0.6	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	COPPER (TOTAL)	12		0.42	0.42	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	IRON (TOTAL)	20400		9.1	10	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	LEAD (TOTAL)	25.7		0.3	0.45	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	726		53.6	53.6	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	MANGANESE (TOTAL)	31.4		0.21	0.21	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.75	J	0.4	0.51	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	NICKEL (TOTAL)	5.2		0.6	0.6	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	POTASSIUM (TOTAL)	506	J	118	118	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	VANADIUM (TOTAL)	40.9		0.6	0.6	mg/Kg
SS198GK	05500	6/12/2003	CL200.7	ZINC (TOTAL)	12.8		0.3	0.3	mg/Kg
SS198GK	05500	6/12/2003	SW8270	BENZOIC ACID	150	J	123	1300	ug/Kg
SS198GK	05500	6/12/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	31	J	31	510	ug/Kg
SS198GK	05500	6/12/2003	SW8270	CHRYSENE	37	J	26	510	ug/Kg
SS198GK	05500	6/12/2003	SW8270	FLUORANTHENE	42	J	42	510	ug/Kg
SS198GK	05500	6/12/2003	SW8270	PHENANTHRENE	39	J	26.3	510	ug/Kg
SS198GK	05500	6/12/2003	SW8270	PYRENE	62	J	62	510	ug/Kg
SS198GK	05502	6/12/2003	CL200.7	ALUMINUM (TOTAL)	12600		6	6.3	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	ARSENIC (TOTAL)	5.7		0.64	0.64	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	BARIUM (TOTAL)	18.3		1.9	1.9	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.19		0.05	0.05	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	BORON (TOTAL)	3.1		1.2	1.2	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	CALCIUM (TOTAL)	140		48.3	48.3	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	CHROMIUM (TOTAL)	11.6		0.37	0.37	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	COBALT (TOTAL)	1.5		0.53	0.53	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	COPPER (TOTAL)	13.9		0.37	0.37	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	IRON (TOTAL)	19900		8.8	8.8	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	LEAD (TOTAL)	16.1		0.3	0.4	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	478		47.3	47.3	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	MANGANESE (TOTAL)	19.1		0.19	0.19	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.94	J	0.4	0.45	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	NICKEL (TOTAL)	5.1		0.53	0.53	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	POTASSIUM (TOTAL)	323	J	104	104	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	VANADIUM (TOTAL)	28.9		0.53	0.53	mg/Kg
SS198GK	05502	6/12/2003	CL200.7	ZINC (TOTAL)	11.4		0.27	0.27	mg/Kg
SS198GK	05502	6/12/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	30	J	30	440	ug/Kg
SS198GK	05504	6/12/2003	CL200.7	ALUMINUM (TOTAL)	20300		5.5	5.5	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198GK	05504	6/12/2003	CL200.7	ARSENIC (TOTAL)	8.3		0.56	0.56	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	BARIUM (TOTAL)	26.6		1.7	1.7	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.45		0.05	0.05	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	BORON (TOTAL)	3.6		1.1	1.1	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	CALCIUM (TOTAL)	83.8	J	42.7	42.7	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	CHROMIUM (TOTAL)	22.1		0.33	0.33	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	COBALT (TOTAL)	3.8		0.47	0.47	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	COPPER (TOTAL)	5.3		0.33	0.33	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	IRON (TOTAL)	24400		7.8	7.8	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	LEAD (TOTAL)	11		0.3	0.35	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	1610		41.8	41.8	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	MANGANESE (TOTAL)	53.8		0.16	0.16	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.45	J	0.4	0.4	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	NICKEL (TOTAL)	10.4		0.47	0.47	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	POTASSIUM (TOTAL)	615	J	92.1	92.1	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	VANADIUM (TOTAL)	30.1		0.47	0.47	mg/Kg
SS198GK	05504	6/12/2003	CL200.7	ZINC (TOTAL)	17.1		0.23	0.23	mg/Kg
SS198GK	05504	6/12/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	82	J	82	410	ug/Kg
SS198GK	05531	6/12/2003	CVOL	ACETONE	66		3.87	7	ug/Kg
SS198GK	05531	6/12/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	2.79	7	ug/Kg
SS198GP	05392	6/18/2003	CL200.7	ALUMINUM (TOTAL)	4490		4.9	4.9	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	ARSENIC (TOTAL)	3.4		0.64	0.64	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	BARIUM (TOTAL)	15.7		1.9	1.9	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	BORON (TOTAL)	3.6		1.2	1.2	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	CADMIUM (TOTAL)	1.4		0.1	0.16	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	CALCIUM (TOTAL)	397		59.3	59.3	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	CHROMIUM (TOTAL)	5.7		0.16	0.16	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	COBALT (TOTAL)	1.1		0.48	0.48	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	COPPER (TOTAL)	4.4		0.37	0.37	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	IRON (TOTAL)	7170		8.8	8.8	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	LEAD (TOTAL)	31		0.3	0.4	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	MAGNESIUM (TOTAL)	393		48.3	48.3	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	MANGANESE (TOTAL)	25.8		0.19	0.19	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	NICKEL (TOTAL)	3.6		0.53	0.53	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	SELENIUM (TOTAL)	1.1	J	0.9	0.9	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	VANADIUM (TOTAL)	24.1		0.58	0.58	mg/Kg
SS198GP	05392	6/18/2003	CL200.7	ZINC (TOTAL)	10.3		0.27	0.27	mg/Kg
SS198GP	05392	6/18/2003	SW8270	BENZOIC ACID	120	J	120	1200	ug/Kg
SS198GP	05392	6/18/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	28	J	28	460	ug/Kg
SS198GP	05392	6/18/2003	SW8270	FLUORANTHENE	21	J	21	460	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198GP	05392	6/18/2003	SW8270	PYRENE	40	J	40	460	ug/Kg
SS198GP	05392	6/18/2003	SW8330	1,3,5-TRINITROBENZENE	33		3.3	13	ug/Kg
SS198GP	05394	6/18/2003	CL200.7	ALUMINUM (TOTAL)	6020		4.3	4.3	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	ARSENIC (TOTAL)	3.4		0.57	0.57	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	BARIUM (TOTAL)	8.3		1.7	1.7	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	BORON (TOTAL)	3.2		1.1	1.1	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	CADMIUM (TOTAL)	1		0.1	0.14	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	CALCIUM (TOTAL)	174		52.7	52.7	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	CHROMIUM (TOTAL)	6.7		0.14	0.14	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	COBALT (TOTAL)	1.2		0.42	0.42	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	IRON (TOTAL)	8430		7.9	7.9	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	LEAD (TOTAL)	13.4		0.3	0.35	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	MAGNESIUM (TOTAL)	382		42.9	42.9	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	MANGANESE (TOTAL)	19.2		0.17	0.17	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	NICKEL (TOTAL)	3		0.47	0.47	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	VANADIUM (TOTAL)	19.5		0.52	0.52	mg/Kg
SS198GP	05394	6/18/2003	CL200.7	ZINC (TOTAL)	6.7		0.24	0.24	mg/Kg
SS198GP	05394	6/18/2003	SW8270	BENZOIC ACID	66	J	66	1000	ug/Kg
SS198GP	05394	6/18/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	34	J	34	410	ug/Kg
SS198GP	05396	6/18/2003	CL200.7	ALUMINUM (TOTAL)	10500		4.2	4.2	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	ARSENIC (TOTAL)	3.9		0.55	0.55	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	BARIUM (TOTAL)	7.4		1.7	1.7	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	BORON (TOTAL)	2.7		1	1	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	CALCIUM (TOTAL)	87.2	J	50.9	50.9	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	CHROMIUM (TOTAL)	10.1		0.14	0.14	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	COBALT (TOTAL)	1.9		0.41	0.41	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	IRON (TOTAL)	11800		7.6	7.6	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	LEAD (TOTAL)	8.8		0.3	0.34	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	MAGNESIUM (TOTAL)	563		41.5	41.5	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	MANGANESE (TOTAL)	28.6		0.16	0.16	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	NICKEL (TOTAL)	3.8		0.46	0.46	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	VANADIUM (TOTAL)	19.6		0.5	0.5	mg/Kg
SS198GP	05396	6/18/2003	CL200.7	ZINC (TOTAL)	8.2		0.23	0.23	mg/Kg
SS198GP	05396	6/18/2003	SW8270	BENZOIC ACID	32	J	32	1000	ug/Kg
SS198GP	05396	6/18/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	31	J	31	400	ug/Kg
SS198HG	05364	6/11/2003	CL200.7	ALUMINUM (TOTAL)	2360		6	7.8	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	ARSENIC (TOTAL)	4		0.79	0.79	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	BARIUM (TOTAL)	26.2		2.4	2.4	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	BORON (TOTAL)	4.1		1.5	1.5	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	CALCIUM (TOTAL)	754		60.1	60.1	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198HG	05364	6/11/2003	CL200.7	CHROMIUM (TOTAL)	3.2		0.46	0.46	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	COPPER (TOTAL)	16		0.46	0.46	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	IRON (TOTAL)	4550		9.1	11	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	LEAD (TOTAL)	33.2		0.3	0.5	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	372		58.8	58.8	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	MANGANESE (TOTAL)	33.3		0.23	0.23	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	MOLYBDENUM (TOTAL)	0.62	J	0.4	0.56	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	NICKEL (TOTAL)	5.4		0.66	0.66	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	POTASSIUM (TOTAL)	434	J	130	130	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	VANADIUM (TOTAL)	27.7		0.66	0.66	mg/Kg
SS198HG	05364	6/11/2003	CL200.7	ZINC (TOTAL)	13.9		0.33	0.33	mg/Kg
SS198HG	05364	6/11/2003	SW8270	BENZOIC ACID	200	J	123	1400	ug/Kg
SS198HG	05364	6/11/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	50	J	50	550	ug/Kg
SS198HG	05364	6/11/2003	SW8270	CHRYSENE	36	J	26	550	ug/Kg
SS198HG	05364	6/11/2003	SW8270	DI-N-BUTYL PHTHALATE	26	J	25.3	550	ug/Kg
SS198HG	05364	6/11/2003	SW8270	FLUORANTHENE	36	J	36	550	ug/Kg
SS198HG	05364	6/11/2003	SW8270	PHENANTHRENE	32	J	26.3	550	ug/Kg
SS198HG	05364	6/11/2003	SW8270	PYRENE	44	J	44	550	ug/Kg
SS198HG	05364	6/11/2003	SW8330	1,3,5-TRINITROBENZENE	35		1.68	13	ug/Kg
SS198HG	05366	6/11/2003	CL200.7	ALUMINUM (TOTAL)	1990		6	8.3	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	ARSENIC (TOTAL)	3		0.84	0.84	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	BARIUM (TOTAL)	28.8		2.6	2.6	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	BORON (TOTAL)	3	J	1.6	1.6	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	CALCIUM (TOTAL)	1120		63.8	63.8	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	CHROMIUM (TOTAL)	2.5		0.49	0.49	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	COPPER (TOTAL)	14.7		0.49	0.49	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	IRON (TOTAL)	3360		9.1	11.7	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	LEAD (TOTAL)	29.1		0.3	0.53	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	441		62.5	62.5	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	MANGANESE (TOTAL)	42.9		0.25	0.25	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	NICKEL (TOTAL)	6		0.7	0.7	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	POTASSIUM (TOTAL)	586	J	138	138	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	VANADIUM (TOTAL)	23.4		0.7	0.7	mg/Kg
SS198HG	05366	6/11/2003	CL200.7	ZINC (TOTAL)	18		0.35	0.35	mg/Kg
SS198HG	05366	6/11/2003	CL245.5	MERCURY	0.099	J	0.0258	0.088	mg/Kg
SS198HG	05366	6/11/2003	SW8270	BENZOIC ACID	270	J	123	1500	ug/Kg
SS198HG	05366	6/11/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	48	J	48	590	ug/Kg
SS198HG	05366	6/11/2003	SW8270	CHRYSENE	40	J	26	590	ug/Kg
SS198HG	05366	6/11/2003	SW8270	FLUORANTHENE	40	J	40	590	ug/Kg
SS198HG	05366	6/11/2003	SW8270	PHENANTHRENE	34	J	26.3	590	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198HG	05366	6/11/2003	SW8270	PYRENE	55	J	55	590	ug/Kg
SS198HG	05366	6/11/2003	SW8330	1,3,5-TRINITROBENZENE	14	J	1.68	13	ug/Kg
SS198HG	05368	6/11/2003	CL200.7	ALUMINUM (TOTAL)	3080		6	6.4	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	ARSENIC (TOTAL)	3.5		0.65	0.65	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	BARIUM (TOTAL)	19		2	2	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	BORON (TOTAL)	3.4		1.2	1.2	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	CALCIUM (TOTAL)	387		49.2	49.2	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	CHROMIUM (TOTAL)	4.1		0.38	0.38	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	COBALT (TOTAL)	0.63	J	0.54	0.54	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	COPPER (TOTAL)	9.3		0.38	0.38	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	IRON (TOTAL)	6320		9	9	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	LEAD (TOTAL)	31.7		0.3	0.41	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	311		48.2	48.2	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	MANGANESE (TOTAL)	18.7		0.19	0.19	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	MOLYBDENUM (TOTAL)	0.69	J	0.4	0.46	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	NICKEL (TOTAL)	5.6		0.54	0.54	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	POTASSIUM (TOTAL)	367	J	106	106	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	VANADIUM (TOTAL)	28.8		0.54	0.54	mg/Kg
SS198HG	05368	6/11/2003	CL200.7	ZINC (TOTAL)	11.5		0.27	0.27	mg/Kg
SS198HG	05368	6/11/2003	CL245.5	MERCURY	0.088	J	0.0258	0.072	mg/Kg
SS198HG	05368	6/11/2003	SW8270	BENZOIC ACID	110	J	110	1200	ug/Kg
SS198HG	05368	6/11/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	26	470	ug/Kg
SS198HG	05368	6/11/2003	SW8270	CHRYSENE	25	J	25	470	ug/Kg
SS198HG	05368	6/11/2003	SW8270	FLUORANTHENE	28	J	28	470	ug/Kg
SS198HG	05368	6/11/2003	SW8270	PHENANTHRENE	25	J	25	470	ug/Kg
SS198HG	05368	6/11/2003	SW8270	PYRENE	37	J	37	470	ug/Kg
SS198HG	05370	6/11/2003	CL200.7	ALUMINUM (TOTAL)	2500		6	7.1	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	ANTIMONY (TOTAL)	4.4		1.1	1.1	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	ARSENIC (TOTAL)	5.8		0.72	0.72	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	BARIUM (TOTAL)	23		2.2	2.2	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	BORON (TOTAL)	10.3		1.4	1.4	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	CALCIUM (TOTAL)	432		54.7	54.7	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	CHROMIUM (TOTAL)	32.2		0.42	0.42	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	COBALT (TOTAL)	2.8		0.6	0.6	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	COPPER (TOTAL)	39		0.42	0.42	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	IRON (TOTAL)	123000		9.1	10	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	LEAD (TOTAL)	40.1		0.3	0.45	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	259		53.6	53.6	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	MANGANESE (TOTAL)	422		0.21	0.21	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	NICKEL (TOTAL)	21		0.6	0.6	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198HG	05370	6/11/2003	CL200.7	POTASSIUM (TOTAL)	313	J	118	118	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	THALLIUM (TOTAL)	5.8		0.4	1.7	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	VANADIUM (TOTAL)	24.4		0.6	0.6	mg/Kg
SS198HG	05370	6/11/2003	CL200.7	ZINC (TOTAL)	16.4		0.3	0.3	mg/Kg
SS198HG	05370	6/11/2003	CL245.5	MERCURY	0.1	J	0.0258	0.061	mg/Kg
SS198HG	05370	6/11/2003	SW8270	BENZOIC ACID	76	J	76	1200	ug/Kg
SS198HG	05370	6/11/2003	SW8330	1,3,5-TRINITROBENZENE	22	J	1.68	13	ug/Kg
SS198HG	05372	6/11/2003	CL200.7	ALUMINUM (TOTAL)	6960		5.7	5.7	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	ARSENIC (TOTAL)	3.7		0.58	0.58	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	BARIUM (TOTAL)	9.5		1.8	1.8	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	BERYLLIUM (TOTAL)	0.12		0.05	0.05	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	BORON (TOTAL)	2.7		1.1	1.1	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	CALCIUM (TOTAL)	162		44.3	44.3	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	CHROMIUM (TOTAL)	6.3		0.34	0.34	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	COBALT (TOTAL)	0.9		0.49	0.49	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	COPPER (TOTAL)	4.6		0.34	0.34	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	IRON (TOTAL)	9830		8.1	8.1	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	LEAD (TOTAL)	14		0.3	0.36	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	MAGNESIUM (TOTAL)	279		43.4	43.4	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	MANGANESE (TOTAL)	16.6		0.17	0.17	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	MOLYBDENUM (TOTAL)	0.71	J	0.4	0.41	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	NICKEL (TOTAL)	3.1		0.49	0.49	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	POTASSIUM (TOTAL)	275	J	95.6	95.6	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	VANADIUM (TOTAL)	18.7		0.49	0.49	mg/Kg
SS198HG	05372	6/11/2003	CL200.7	ZINC (TOTAL)	7.3		0.24	0.24	mg/Kg
SS198HG	05529	6/11/2003	CVOL	ACETONE	120		3.87	9	ug/Kg
SS198HG	05529	6/11/2003	CVOL	CHLOROFORM	3	J	0.384	9	ug/Kg
SS198HG	05529	6/11/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	2.79	9	ug/Kg
SS198HH	05712	6/17/2003	CL200.7	ALUMINUM (TOTAL)	8700		5	5	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	ARSENIC (TOTAL)	4.1		0.65	0.65	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	BARIUM (TOTAL)	14.2		2	2	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	BORON (TOTAL)	3.8		1.2	1.2	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	CALCIUM (TOTAL)	708		60.6	60.6	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	CHROMIUM (TOTAL)	9.1		0.16	0.16	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	COBALT (TOTAL)	1.5		0.49	0.49	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	COPPER (TOTAL)	4		0.38	0.38	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	IRON (TOTAL)	10100		9	9	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	LEAD (TOTAL)	17.4		0.3	0.41	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	MAGNESIUM (TOTAL)	504		49.3	49.3	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	MANGANESE (TOTAL)	28.5		0.19	0.19	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198HH	05712	6/17/2003	CL200.7	NICKEL (TOTAL)	4.2		0.54	0.54	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	SELENIUM (TOTAL)	1.1	J	0.92	0.92	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	VANADIUM (TOTAL)	22.4		0.6	0.6	mg/Kg
SS198HH	05712	6/17/2003	CL200.7	ZINC (TOTAL)	10.6		0.27	0.27	mg/Kg
SS198HH	05712	6/17/2003	SW8270	BENZOIC ACID	89	J	89	1200	ug/Kg
SS198HH	05712	6/17/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	25	J	25	470	ug/Kg
SS198HH	05714	6/17/2003	CL200.7	ALUMINUM (TOTAL)	11600		4.8	4.8	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	ARSENIC (TOTAL)	4.2		0.63	0.63	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	BARIUM (TOTAL)	11.1		1.9	1.9	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	BORON (TOTAL)	3.3		1.2	1.2	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	CALCIUM (TOTAL)	380		58.2	58.2	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	CHROMIUM (TOTAL)	11.5		0.16	0.16	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	COBALT (TOTAL)	1.8		0.47	0.47	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	IRON (TOTAL)	11700		8.7	8.7	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	LEAD (TOTAL)	13.3		0.3	0.39	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	MAGNESIUM (TOTAL)	604		47.4	47.4	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	MANGANESE (TOTAL)	26.4		0.18	0.18	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	NICKEL (TOTAL)	4.1		0.52	0.52	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	SODIUM (TOTAL)	342		57.1	57.1	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	VANADIUM (TOTAL)	19.8		0.57	0.57	mg/Kg
SS198HH	05714	6/17/2003	CL200.7	ZINC (TOTAL)	10.2		0.26	0.26	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	ALUMINUM (TOTAL)	8480		4.2	4.2	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	ARSENIC (TOTAL)	4.4		0.55	0.55	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	BARIUM (TOTAL)	9.9		1.7	1.7	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	BORON (TOTAL)	2.7		1	1	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	CADMIUM (TOTAL)	1.1		0.1	0.14	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	CALCIUM (TOTAL)	137		50.9	50.9	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	CHROMIUM (TOTAL)	8.9		0.14	0.14	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	COBALT (TOTAL)	1.8		0.41	0.41	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	IRON (TOTAL)	11900		7.6	7.6	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	LEAD (TOTAL)	11.4		0.3	0.34	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	MAGNESIUM (TOTAL)	524		41.4	41.4	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	MANGANESE (TOTAL)	22.5		0.16	0.16	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	NICKEL (TOTAL)	3.1		0.46	0.46	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	VANADIUM (TOTAL)	21.1		0.5	0.5	mg/Kg
SS198HH	05716	6/17/2003	CL200.7	ZINC (TOTAL)	7.5		0.23	0.23	mg/Kg
SS198HH	05716	6/17/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	29	J	29	420	ug/Kg
SS198HL	05398	6/12/2003	CL200.7	ALUMINUM (TOTAL)	2720		4.9	4.9	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	ARSENIC (TOTAL)	2.4		0.5	0.5	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	BARIUM (TOTAL)	7.5		1.5	1.5	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198HL	05398	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.05	J	0.04	0.04	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	BORON (TOTAL)	2.3		0.96	0.96	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	CALCIUM (TOTAL)	90.9		38.1	38.1	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	CHROMIUM (TOTAL)	3.3		0.29	0.29	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	COBALT (TOTAL)	0.45	J	0.42	0.42	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	COPPER (TOTAL)	9.2		0.29	0.29	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	IRON (TOTAL)	5210		7	7	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	LEAD (TOTAL)	16.2		0.3	0.31	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	153		37.3	37.3	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	MANGANESE (TOTAL)	10.1		0.15	0.15	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.37	J	0.36	0.36	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	NICKEL (TOTAL)	1.7		0.42	0.42	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	POTASSIUM (TOTAL)	280	J	82.2	82.2	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	VANADIUM (TOTAL)	18.3		0.42	0.42	mg/Kg
SS198HL	05398	6/12/2003	CL200.7	ZINC (TOTAL)	4.5		0.21	0.21	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	ALUMINUM (TOTAL)	5940		5.2	5.2	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	ARSENIC (TOTAL)	3.2		0.52	0.52	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	BARIUM (TOTAL)	7.3		1.6	1.6	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.12		0.04	0.04	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	BORON (TOTAL)	2.4		1	1	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	CALCIUM (TOTAL)	62.2	J	39.8	39.8	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	CHROMIUM (TOTAL)	5.7		0.31	0.31	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	COBALT (TOTAL)	0.7	J	0.44	0.44	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	COPPER (TOTAL)	8.8		0.31	0.31	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	IRON (TOTAL)	9850		7.3	7.3	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	LEAD (TOTAL)	12		0.3	0.33	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	211		38.9	38.9	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	MANGANESE (TOTAL)	11.1		0.15	0.15	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.6	J	0.37	0.37	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	NICKEL (TOTAL)	2.6		0.44	0.44	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	POTASSIUM (TOTAL)	275	J	85.8	85.8	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	VANADIUM (TOTAL)	21.9		0.44	0.44	mg/Kg
SS198HL	05400	6/12/2003	CL200.7	ZINC (TOTAL)	6.4		0.22	0.22	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	ALUMINUM (TOTAL)	11800		4.9	4.9	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	ARSENIC (TOTAL)	3.4		0.5	0.5	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	BARIUM (TOTAL)	14.9		1.5	1.5	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.27		0.04	0.04	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	BORON (TOTAL)	2		0.96	0.96	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	CALCIUM (TOTAL)	121		38	38	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	CHROMIUM (TOTAL)	10.2		0.29	0.29	mg/Kg

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NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198HL	05402	6/12/2003	CL200.7	COBALT (TOTAL)	1.6		0.42	0.42	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	COPPER (TOTAL)	3.4		0.29	0.29	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	IRON (TOTAL)	11900		7	7	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	LEAD (TOTAL)	7.1		0.3	0.31	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	411		37.2	37.2	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	MANGANESE (TOTAL)	19.7		0.15	0.15	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.55	J	0.35	0.35	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	NICKEL (TOTAL)	5.3		0.42	0.42	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	POTASSIUM (TOTAL)	290	J	82.1	82.1	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	VANADIUM (TOTAL)	17.6		0.42	0.42	mg/Kg
SS198HL	05402	6/12/2003	CL200.7	ZINC (TOTAL)	11.8		0.21	0.21	mg/Kg
SS198HL	05402	6/12/2003	SW8270	BENZOIC ACID	18	J	18	1000	ug/Kg
SS198HO	05266	6/9/2003	CL200.7	ALUMINUM (TOTAL)	4520		6	6	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	ARSENIC (TOTAL)	3.2		0.9	1.2	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	BARIUM (TOTAL)	10.5		1.5	1.5	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	BERYLLIUM (TOTAL)	0.11		0.05	0.05	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	CALCIUM (TOTAL)	94.3		46	46	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	CHROMIUM (TOTAL)	5.4		0.35	0.35	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	COBALT (TOTAL)	0.61	J	0.5	0.5	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	COPPER (TOTAL)	5.3	J	0.35	0.35	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	IRON (TOTAL)	8600		8.4	8.4	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	LEAD (TOTAL)	16.2	J	0.3	0.38	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	MAGNESIUM (TOTAL)	236	J	45.9	45.9	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	MANGANESE (TOTAL)	13		0.18	0.18	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	MOLYBDENUM (TOTAL)	0.99		0.4	0.43	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	NICKEL (TOTAL)	1.7		0.53	0.53	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	POTASSIUM (TOTAL)	275	J	63.1	63.1	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	VANADIUM (TOTAL)	22		0.5	0.5	mg/Kg
SS198HO	05266	6/9/2003	CL200.7	ZINC (TOTAL)	5.6		0.25	0.25	mg/Kg
SS198HO	05266	6/9/2003	CL245.5	MERCURY	0.081	J	0.0258	0.056	mg/Kg
SS198HO	05266	6/9/2003	SW8270	BENZOIC ACID	110	J	110	1100	ug/Kg
SS198HO	05268	6/9/2003	CL200.7	ALUMINUM (TOTAL)	11600		5.8	5.8	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	ARSENIC (TOTAL)	3.4		0.9	1.2	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	BARIUM (TOTAL)	8		1.4	1.4	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	BERYLLIUM (TOTAL)	0.25		0.05	0.05	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	CALCIUM (TOTAL)	62.6	J	44.7	44.7	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	CHROMIUM (TOTAL)	9.4		0.34	0.34	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	COBALT (TOTAL)	1.4		0.49	0.49	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	IRON (TOTAL)	12400		8.2	8.2	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	LEAD (TOTAL)	7.9	J	0.3	0.37	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198HO	05268	6/9/2003	CL200.7	MAGNESIUM (TOTAL)	404	J	44.6	44.6	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	MANGANESE (TOTAL)	20.7		0.17	0.17	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	MOLYBDENUM (TOTAL)	0.71	J	0.4	0.42	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	NICKEL (TOTAL)	3.5		0.52	0.52	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	POTASSIUM (TOTAL)	313	J	61.4	61.4	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	VANADIUM (TOTAL)	19		0.49	0.49	mg/Kg
SS198HO	05268	6/9/2003	CL200.7	ZINC (TOTAL)	8.6		0.25	0.25	mg/Kg
SS198HO	05268	6/9/2003	SW8270	BENZOIC ACID	65	J	65	1000	ug/Kg
SS198HO	05268	6/9/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	420	ug/Kg
SS198HO	05270	6/9/2003	CL200.7	ALUMINUM (TOTAL)	14100		5.3	5.3	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	ARSENIC (TOTAL)	3.5		0.9	1.1	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	BARIUM (TOTAL)	9.1		1.3	1.3	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	BERYLLIUM (TOTAL)	0.28		0.04	0.04	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	CALCIUM (TOTAL)	68.4	J	41	41	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	CHROMIUM (TOTAL)	12.4		0.31	0.31	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	COBALT (TOTAL)	2.5		0.45	0.45	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	IRON (TOTAL)	12800		7.5	7.5	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	LEAD (TOTAL)	7.4	J	0.3	0.34	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	MAGNESIUM (TOTAL)	699	J	40.9	40.9	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	MANGANESE (TOTAL)	29.6		0.16	0.16	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	MOLYBDENUM (TOTAL)	0.62	J	0.38	0.38	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	NICKEL (TOTAL)	5.9		0.47	0.47	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	POTASSIUM (TOTAL)	333	J	56.2	56.2	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	VANADIUM (TOTAL)	18.5		0.45	0.45	mg/Kg
SS198HO	05270	6/9/2003	CL200.7	ZINC (TOTAL)	10.2		0.22	0.22	mg/Kg
SS198HO	05270	6/9/2003	SW8270	BENZOIC ACID	31	J	31	1000	ug/Kg
SS198HO	05452	6/10/2003	CVOL	ACETONE	120		3.87	8	ug/Kg
SS198HO	05452	6/10/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	2.79	8	ug/Kg
SS198IH	05506	6/16/2003	CL200.7	ALUMINUM (TOTAL)	2620	J	4.5	4.5	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	ARSENIC (TOTAL)	2	J	0.59	0.59	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	BARIUM (TOTAL)	18.6		1.8	1.8	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.06	J	0.05	0.05	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	BORON (TOTAL)	2.3		1.1	1.1	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	CALCIUM (TOTAL)	209		55.1	55.1	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	CHROMIUM (TOTAL)	3.4	J	0.15	0.15	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	COBALT (TOTAL)	0.68	J	0.44	0.44	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	COPPER (TOTAL)	5		0.35	0.35	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	IRON (TOTAL)	3420	J	4.1	4.1	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	LEAD (TOTAL)	50.3	J	0.3	0.32	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	226	J	44	44	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198IH	05506	6/16/2003	CL200.7	MANGANESE (TOTAL)	14.3	J	0.17	0.17	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.57	J	0.39	0.39	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	NICKEL (TOTAL)	2.7		0.49	0.49	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	POTASSIUM (TOTAL)	276	J	61.7	61.7	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	SODIUM (TOTAL)	56.6	J	54	54	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	VANADIUM (TOTAL)	16.1		0.54	0.54	mg/Kg
SS198IH	05506	6/16/2003	CL200.7	ZINC (TOTAL)	11.9		0.7	1.4	mg/Kg
SS198IH	05506	6/16/2003	SW8270	BENZOIC ACID	100	J	100	1100	ug/Kg
SS198IH	05508	6/16/2003	CL200.7	ALUMINUM (TOTAL)	5840	J	3.8	3.8	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	ARSENIC (TOTAL)	3.7		0.49	0.49	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	BARIUM (TOTAL)	10.4		1.5	1.5	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.15	J	0.04	0.04	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	BORON (TOTAL)	3		0.94	0.94	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	CALCIUM (TOTAL)	150		45.9	45.9	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	CHROMIUM (TOTAL)	6.5	J	0.12	0.12	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	COBALT (TOTAL)	1.4		0.37	0.37	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	COPPER (TOTAL)	2.9		0.29	0.29	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	IRON (TOTAL)	9620	J	3.5	3.5	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	LEAD (TOTAL)	13.1	J	0.27	0.27	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	325	J	36.6	36.6	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	MANGANESE (TOTAL)	20.3	J	0.14	0.14	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.69		0.33	0.33	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	NICKEL (TOTAL)	2.4		0.41	0.41	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	POTASSIUM (TOTAL)	415	J	51.4	51.4	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	SODIUM (TOTAL)	151	J	44.9	44.9	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	VANADIUM (TOTAL)	23		0.45	0.45	mg/Kg
SS198IH	05508	6/16/2003	CL200.7	ZINC (TOTAL)	6.7		0.7	1.2	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	ALUMINUM (TOTAL)	13500	J	3.5	3.5	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	ARSENIC (TOTAL)	3.8		0.46	0.46	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	BARIUM (TOTAL)	10.2		1.4	1.4	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.31	J	0.04	0.04	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	BORON (TOTAL)	2.8		0.89	0.89	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	CALCIUM (TOTAL)	122		43	43	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	CHROMIUM (TOTAL)	13.1	J	0.12	0.12	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	COBALT (TOTAL)	2.4		0.35	0.35	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	COPPER (TOTAL)	2.7		0.27	0.27	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	IRON (TOTAL)	13300	J	3.2	3.2	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	LEAD (TOTAL)	9.2	J	0.25	0.25	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	711	J	34.4	34.4	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	MANGANESE (TOTAL)	31.7	J	0.14	0.14	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198IH	05510	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	1.1		0.31	0.31	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	NICKEL (TOTAL)	5		0.39	0.39	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	POTASSIUM (TOTAL)	370	J	48.2	48.2	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	SELENIUM (TOTAL)	0.55	J	0.33	0.33	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	SODIUM (TOTAL)	213	J	42.2	42.2	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	VANADIUM (TOTAL)	22		0.42	0.42	mg/Kg
SS198IH	05510	6/16/2003	CL200.7	ZINC (TOTAL)	12.5		0.7	1.1	mg/Kg
SS198IH	05659	6/16/2003	CVOL	ACETONE	67		3.87	9	ug/Kg
SS198IH	05659	6/16/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	2.79	9	ug/Kg
SS198II	05494	6/16/2003	CL200.7	ALUMINUM (TOTAL)	2180	J	5	5	mg/Kg
SS198II	05494	6/16/2003	CL200.7	ARSENIC (TOTAL)	2.6		0.65	0.65	mg/Kg
SS198II	05494	6/16/2003	CL200.7	BARIUM (TOTAL)	25.7		2	2	mg/Kg
SS198II	05494	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.06	J	0.05	0.05	mg/Kg
SS198II	05494	6/16/2003	CL200.7	BORON (TOTAL)	4.2		1.2	1.2	mg/Kg
SS198II	05494	6/16/2003	CL200.7	CALCIUM (TOTAL)	506		60.4	60.4	mg/Kg
SS198II	05494	6/16/2003	CL200.7	CHROMIUM (TOTAL)	3.7	J	0.16	0.16	mg/Kg
SS198II	05494	6/16/2003	CL200.7	COBALT (TOTAL)	0.7	J	0.49	0.49	mg/Kg
SS198II	05494	6/16/2003	CL200.7	COPPER (TOTAL)	15.7		0.38	0.38	mg/Kg
SS198II	05494	6/16/2003	CL200.7	IRON (TOTAL)	3440	J	4.5	4.5	mg/Kg
SS198II	05494	6/16/2003	CL200.7	LEAD (TOTAL)	44.8	J	0.3	0.35	mg/Kg
SS198II	05494	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	283	J	48.2	48.2	mg/Kg
SS198II	05494	6/16/2003	CL200.7	MANGANESE (TOTAL)	24.9	J	0.19	0.19	mg/Kg
SS198II	05494	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.87	J	0.4	0.43	mg/Kg
SS198II	05494	6/16/2003	CL200.7	NICKEL (TOTAL)	4.8		0.54	0.54	mg/Kg
SS198II	05494	6/16/2003	CL200.7	POTASSIUM (TOTAL)	331	J	67.6	67.6	mg/Kg
SS198II	05494	6/16/2003	CL200.7	SELENIUM (TOTAL)	0.53	J	0.46	0.46	mg/Kg
SS198II	05494	6/16/2003	CL200.7	SODIUM (TOTAL)	109	J	59.2	59.2	mg/Kg
SS198II	05494	6/16/2003	CL200.7	VANADIUM (TOTAL)	24.2		0.6	0.6	mg/Kg
SS198II	05494	6/16/2003	CL200.7	ZINC (TOTAL)	14.8		0.7	1.5	mg/Kg
SS198II	05494	6/16/2003	SW8270	BENZOIC ACID	140	J	123	1400	ug/Kg
SS198II	05494	6/16/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	140	J	92	540	ug/Kg
SS198II	05494	6/16/2003	SW8270	CHRYSENE	35	J	26	540	ug/Kg
SS198II	05494	6/16/2003	SW8270	FLUORANTHENE	36	J	36	540	ug/Kg
SS198II	05494	6/16/2003	SW8270	PHENANTHRENE	47	J	26.3	540	ug/Kg
SS198II	05494	6/16/2003	SW8270	PYRENE	82	J	75.2	540	ug/Kg
SS198II	05496	6/16/2003	CL200.7	ALUMINUM (TOTAL)	2750	J	3.6	3.6	mg/Kg
SS198II	05496	6/16/2003	CL200.7	ARSENIC (TOTAL)	2.8		0.47	0.47	mg/Kg
SS198II	05496	6/16/2003	CL200.7	BARIUM (TOTAL)	12.5		1.4	1.4	mg/Kg
SS198II	05496	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.07	J	0.04	0.04	mg/Kg
SS198II	05496	6/16/2003	CL200.7	BORON (TOTAL)	3.2		0.9	0.9	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198II	05496	6/16/2003	CL200.7	CALCIUM (TOTAL)	157		43.8	43.8	mg/Kg
SS198II	05496	6/16/2003	CL200.7	CHROMIUM (TOTAL)	4.1	J	0.12	0.12	mg/Kg
SS198II	05496	6/16/2003	CL200.7	COBALT (TOTAL)	0.82		0.35	0.35	mg/Kg
SS198II	05496	6/16/2003	CL200.7	COPPER (TOTAL)	4.6		0.27	0.27	mg/Kg
SS198II	05496	6/16/2003	CL200.7	IRON (TOTAL)	5780	J	3.3	3.3	mg/Kg
SS198II	05496	6/16/2003	CL200.7	LEAD (TOTAL)	15.6	J	0.26	0.26	mg/Kg
SS198II	05496	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	176	J	35	35	mg/Kg
SS198II	05496	6/16/2003	CL200.7	MANGANESE (TOTAL)	15	J	0.14	0.14	mg/Kg
SS198II	05496	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.87		0.31	0.31	mg/Kg
SS198II	05496	6/16/2003	CL200.7	NICKEL (TOTAL)	2.1		0.39	0.39	mg/Kg
SS198II	05496	6/16/2003	CL200.7	POTASSIUM (TOTAL)	246	J	49.1	49.1	mg/Kg
SS198II	05496	6/16/2003	CL200.7	SODIUM (TOTAL)	80.1	J	42.9	42.9	mg/Kg
SS198II	05496	6/16/2003	CL200.7	VANADIUM (TOTAL)	19.7		0.43	0.43	mg/Kg
SS198II	05496	6/16/2003	CL200.7	ZINC (TOTAL)	6.5		0.7	1.1	mg/Kg
SS198II	05496	6/16/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	160	J	92	400	ug/Kg
SS198II	05498	6/16/2003	CL200.7	ALUMINUM (TOTAL)	7470	J	3.5	3.5	mg/Kg
SS198II	05498	6/16/2003	CL200.7	ARSENIC (TOTAL)	3.3		0.46	0.46	mg/Kg
SS198II	05498	6/16/2003	CL200.7	BARIUM (TOTAL)	9.4		1.4	1.4	mg/Kg
SS198II	05498	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.21	J	0.04	0.04	mg/Kg
SS198II	05498	6/16/2003	CL200.7	BORON (TOTAL)	2.5		0.88	0.88	mg/Kg
SS198II	05498	6/16/2003	CL200.7	CALCIUM (TOTAL)	103		42.7	42.7	mg/Kg
SS198II	05498	6/16/2003	CL200.7	CHROMIUM (TOTAL)	7	J	0.11	0.11	mg/Kg
SS198II	05498	6/16/2003	CL200.7	COBALT (TOTAL)	1.4		0.34	0.34	mg/Kg
SS198II	05498	6/16/2003	CL200.7	IRON (TOTAL)	11600	J	3.2	3.2	mg/Kg
SS198II	05498	6/16/2003	CL200.7	LEAD (TOTAL)	7.7	J	0.25	0.25	mg/Kg
SS198II	05498	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	269	J	34.1	34.1	mg/Kg
SS198II	05498	6/16/2003	CL200.7	MANGANESE (TOTAL)	18.4	J	0.13	0.13	mg/Kg
SS198II	05498	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.97		0.31	0.31	mg/Kg
SS198II	05498	6/16/2003	CL200.7	NICKEL (TOTAL)	2.6		0.38	0.38	mg/Kg
SS198II	05498	6/16/2003	CL200.7	POTASSIUM (TOTAL)	280	J	47.8	47.8	mg/Kg
SS198II	05498	6/16/2003	CL200.7	SELENIUM (TOTAL)	0.46	J	0.32	0.32	mg/Kg
SS198II	05498	6/16/2003	CL200.7	SODIUM (TOTAL)	137	J	41.8	41.8	mg/Kg
SS198II	05498	6/16/2003	CL200.7	VANADIUM (TOTAL)	20		0.42	0.42	mg/Kg
SS198II	05498	6/16/2003	CL200.7	ZINC (TOTAL)	6.9		0.7	1.1	mg/Kg
SS198II	05660	6/16/2003	CVOL	ACETONE	81		3.87	9	ug/Kg
SS198II	05660	6/16/2003	CVOL	CHLOROFORM	1	J	0.384	9	ug/Kg
SS198II	05660	6/16/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	2.79	9	ug/Kg
SS198II	05661	6/16/2003	CVOL	ACETONE	90	J	3.87	8	ug/Kg
SS198II	05661	6/16/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	2.79	8	ug/Kg
SS198IJ	05512	6/12/2003	CL200.7	ALUMINUM (TOTAL)	1910		5.8	5.8	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198IJ	05512	6/12/2003	CL200.7	ARSENIC (TOTAL)	2.9		0.59	0.59	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	BARIUM (TOTAL)	14.9		1.4	1.4	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.06	J	0.05	0.05	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	BORON (TOTAL)	4.1		1.1	1.1	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	CALCIUM (TOTAL)	402		44.7	44.7	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	CHROMIUM (TOTAL)	2.8		0.34	0.34	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	COBALT (TOTAL)	0.53	J	0.49	0.49	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	COPPER (TOTAL)	22.7		0.59	0.59	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	IRON (TOTAL)	4900		8.2	8.2	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	LEAD (TOTAL)	751		0.3	0.32	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	228		43.8	43.8	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	MANGANESE (TOTAL)	16.4		0.17	0.17	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.83		0.4	0.42	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	NICKEL (TOTAL)	3.5		0.52	0.52	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	POTASSIUM (TOTAL)	259	J	96.5	96.5	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	SELENIUM (TOTAL)	0.68	J	0.42	0.42	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	VANADIUM (TOTAL)	16.9		0.49	0.49	mg/Kg
SS198IJ	05512	6/12/2003	CL200.7	ZINC (TOTAL)	14.2	J	0.25	0.25	mg/Kg
SS198IJ	05512	6/12/2003	CL245.5	MERCURY	0.06	J	0.0258	0.058	mg/Kg
SS198IJ	05512	6/12/2003	SW8270	BENZO(A)ANTHRACENE	23	J	23	440	ug/Kg
SS198IJ	05512	6/12/2003	SW8270	BENZO(A)PYRENE	24	J	24	440	ug/Kg
SS198IJ	05512	6/12/2003	SW8270	BENZO(B)FLUORANTHENE	38	J	38	440	ug/Kg
SS198IJ	05512	6/12/2003	SW8270	BENZO(K)FLUORANTHENE	36	J	36	440	ug/Kg
SS198IJ	05512	6/12/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	46	J	46	440	ug/Kg
SS198IJ	05512	6/12/2003	SW8270	CHRYSENE	39	J	26	440	ug/Kg
SS198IJ	05512	6/12/2003	SW8270	FLUORANTHENE	36	J	36	440	ug/Kg
SS198IJ	05512	6/12/2003	SW8270	PHENANTHRENE	40	J	26.3	440	ug/Kg
SS198IJ	05512	6/12/2003	SW8270	PYRENE	82	J	75.2	440	ug/Kg
SS198IJ	05514	6/12/2003	CL200.7	ALUMINUM (TOTAL)	4860		5.1	5.1	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	ARSENIC (TOTAL)	2.2		0.52	0.52	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	BARIUM (TOTAL)	6.8		1.3	1.3	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.09		0.04	0.04	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	BORON (TOTAL)	1.7	J	0.99	0.99	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	CALCIUM (TOTAL)	134		39.2	39.2	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	CHROMIUM (TOTAL)	4.1		0.3	0.3	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	COBALT (TOTAL)	0.52	J	0.43	0.43	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	IRON (TOTAL)	8560		7.2	7.2	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	LEAD (TOTAL)	26.4		0.28	0.28	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	203		38.4	38.4	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	MANGANESE (TOTAL)	11.2		0.15	0.15	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198IJ	05514	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.57	J	0.37	0.37	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	NICKEL (TOTAL)	1.2		0.45	0.45	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	POTASSIUM (TOTAL)	180	J	84.6	84.6	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	VANADIUM (TOTAL)	15		0.43	0.43	mg/Kg
SS198IJ	05514	6/12/2003	CL200.7	ZINC (TOTAL)	4.9	J	0.22	0.22	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	ALUMINUM (TOTAL)	9980		5.1	5.1	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	ARSENIC (TOTAL)	2.6		0.52	0.52	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	BARIUM (TOTAL)	8.3		1.3	1.3	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	BERYLLIUM (TOTAL)	0.25		0.04	0.04	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	BORON (TOTAL)	1.8	J	1	1	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	CALCIUM (TOTAL)	120		39.5	39.5	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	CHROMIUM (TOTAL)	7.6		0.3	0.3	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	COBALT (TOTAL)	1.2		0.43	0.43	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	IRON (TOTAL)	9080		7.2	7.2	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	LEAD (TOTAL)	6.8		0.28	0.28	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	MAGNESIUM (TOTAL)	319		38.6	38.6	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	MANGANESE (TOTAL)	17.7		0.15	0.15	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	MOLYBDENUM (TOTAL)	0.47	J	0.37	0.37	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	NICKEL (TOTAL)	4.2		0.46	0.46	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	POTASSIUM (TOTAL)	170	J	85.2	85.2	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	SELENIUM (TOTAL)	0.73		0.37	0.37	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	VANADIUM (TOTAL)	13.9		0.43	0.43	mg/Kg
SS198IJ	05516	6/12/2003	CL200.7	ZINC (TOTAL)	8.7	J	0.22	0.22	mg/Kg
SS198IJ	05597	6/12/2003	CVOL	ACETONE	49	J	3.87	6	ug/Kg
SS198IJ	05597	6/12/2003	CVOL	BROMOMETHANE	0.9	J	0.9	6	ug/Kg
SS198IJ	05597	6/12/2003	CVOL	CHLOROFORM	2	J	0.384	6	ug/Kg
SS198IJ	05597	6/12/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	2.79	6	ug/Kg
SS198JJ	05623	6/16/2003	CL200.7	ALUMINUM (TOTAL)	8320	J	3.9	3.9	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	ARSENIC (TOTAL)	2.8	J	0.52	0.52	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	BARIUM (TOTAL)	9.2		1.6	1.6	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.16	J	0.04	0.04	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	BORON (TOTAL)	2.4		0.99	0.99	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	CALCIUM (TOTAL)	233		48.1	48.1	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	CHROMIUM (TOTAL)	9.3	J	0.13	0.13	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	COBALT (TOTAL)	1.9		0.39	0.39	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	IRON (TOTAL)	7430	J	3.6	3.6	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	LEAD (TOTAL)	11	J	0.28	0.28	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	690	J	38.4	38.4	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	MANGANESE (TOTAL)	36.7	J	0.15	0.15	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.75		0.34	0.34	mg/Kg

J = Estimated
NJ = Estimated Result
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198JJ	05623	6/16/2003	CL200.7	NICKEL (TOTAL)	4.4		0.43	0.43	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	POTASSIUM (TOTAL)	444	J	53.9	53.9	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	SELENIUM (TOTAL)	0.64	J	0.37	0.37	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	SODIUM (TOTAL)	107	J	47.1	47.1	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	THALLIUM (TOTAL)	0.67	J	0.4	0.6	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	VANADIUM (TOTAL)	21.2		0.47	0.47	mg/Kg
SS198JJ	05623	6/16/2003	CL200.7	ZINC (TOTAL)	10.8		0.7	1.2	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	ALUMINUM (TOTAL)	9150	J	3.4	3.4	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	ARSENIC (TOTAL)	3.1		0.44	0.44	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	BARIUM (TOTAL)	8.7		1.4	1.4	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.23	J	0.04	0.04	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	BORON (TOTAL)	2.6		0.85	0.85	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	CALCIUM (TOTAL)	160		41.3	41.3	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	CHROMIUM (TOTAL)	10.2	J	0.11	0.11	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	COBALT (TOTAL)	2.3		0.33	0.33	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	IRON (TOTAL)	8170	J	3.1	3.1	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	LEAD (TOTAL)	7.7	J	0.24	0.24	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	895	J	33	33	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	MANGANESE (TOTAL)	44.6	J	0.13	0.13	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.57	J	0.3	0.3	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	NICKEL (TOTAL)	4.5		0.37	0.37	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	POTASSIUM (TOTAL)	453	J	46.3	46.3	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	SELENIUM (TOTAL)	0.46	J	0.31	0.31	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	SODIUM (TOTAL)	159	J	40.5	40.5	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	VANADIUM (TOTAL)	17		0.41	0.41	mg/Kg
SS198JJ	05625	6/16/2003	CL200.7	ZINC (TOTAL)	11.7		0.7	1.1	mg/Kg
SS198JJ	05625	6/16/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	370	ug/Kg
SS198JJ	05627	6/16/2003	CL200.7	ALUMINUM (TOTAL)	8500	J	3.3	3.3	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	ARSENIC (TOTAL)	2.7		0.43	0.43	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	BARIUM (TOTAL)	9.4		1.3	1.3	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.19	J	0.04	0.04	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	BORON (TOTAL)	2.5		0.82	0.82	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	CALCIUM (TOTAL)	113		39.9	39.9	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	CHROMIUM (TOTAL)	10.2	J	0.11	0.11	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	COBALT (TOTAL)	2.1		0.32	0.32	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	IRON (TOTAL)	7190	J	3	3	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	LEAD (TOTAL)	5.3	J	0.23	0.23	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	848	J	31.9	31.9	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	MANGANESE (TOTAL)	40.1	J	0.13	0.13	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.43	J	0.29	0.29	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198JJ	05627	6/16/2003	CL200.7	NICKEL (TOTAL)	4.9		0.36	0.36	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	POTASSIUM (TOTAL)	502	J	44.7	44.7	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	SODIUM (TOTAL)	144	J	39.2	39.2	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	VANADIUM (TOTAL)	13		0.39	0.39	mg/Kg
SS198JJ	05627	6/16/2003	CL200.7	ZINC (TOTAL)	11		0.7	1	mg/Kg
SS198JJ	05658	6/16/2003	CVOL	ACETONE	59		3.87	10	ug/Kg
SS198JJ	05658	6/16/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	2.79	10	ug/Kg
SS198JJ	05662	6/16/2003	CVOL	ACETONE	57		3.87	10	ug/Kg
SS198JJ	05662	6/16/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	2.79	10	ug/Kg
SS198JJ	05663	6/16/2003	CVOL	ACETONE	50		3.87	9	ug/Kg
SS198JJ	05663	6/16/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	2.79	9	ug/Kg
SS198JK	05518	6/16/2003	CL200.7	ALUMINUM (TOTAL)	2340	J	4.1	4.1	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	ARSENIC (TOTAL)	1.6	J	0.53	0.53	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	BARIUM (TOTAL)	14.6		1.6	1.6	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.07	J	0.04	0.04	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	BORON (TOTAL)	2.6		1	1	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	CALCIUM (TOTAL)	218		49.5	49.5	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	CHROMIUM (TOTAL)	3.1	J	0.13	0.13	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	COBALT (TOTAL)	0.68	J	0.4	0.4	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	COPPER (TOTAL)	7.7		0.31	0.31	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	IRON (TOTAL)	3450	J	3.7	3.7	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	LEAD (TOTAL)	46.3	J	0.29	0.29	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	200	J	39.5	39.5	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	MANGANESE (TOTAL)	14.4	J	0.16	0.16	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.5	J	0.35	0.35	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	NICKEL (TOTAL)	5.7		0.44	0.44	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	POTASSIUM (TOTAL)	257	J	55.4	55.4	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	SELENIUM (TOTAL)	0.49	J	0.38	0.38	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	SODIUM (TOTAL)	50.1	J	48.5	48.5	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	VANADIUM (TOTAL)	25.8		0.49	0.49	mg/Kg
SS198JK	05518	6/16/2003	CL200.7	ZINC (TOTAL)	9.6		0.7	1.3	mg/Kg
SS198JK	05518	6/16/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	46	J	46	440	ug/Kg
SS198JK	05518	6/16/2003	SW8270	FLUORANTHENE	25	J	25	440	ug/Kg
SS198JK	05518	6/16/2003	SW8270	PHENANTHRENE	24	J	24	440	ug/Kg
SS198JK	05518	6/16/2003	SW8270	PYRENE	60	J	60	440	ug/Kg
SS198JK	05520	6/16/2003	CL200.7	ALUMINUM (TOTAL)	3720	J	3.5	3.5	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	ARSENIC (TOTAL)	2	J	0.46	0.46	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	BARIUM (TOTAL)	7.9		1.4	1.4	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.07	J	0.04	0.04	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	BORON (TOTAL)	2.5		0.87	0.87	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198JK	05520	6/16/2003	CL200.7	CALCIUM (TOTAL)	187		42.5	42.5	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	CHROMIUM (TOTAL)	4.3	J	0.11	0.11	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	COBALT (TOTAL)	0.92		0.34	0.34	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	COPPER (TOTAL)	2.7		0.27	0.27	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	IRON (TOTAL)	6350	J	3.2	3.2	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	LEAD (TOTAL)	11.3	J	0.25	0.25	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	260	J	33.9	33.9	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	MANGANESE (TOTAL)	13.9	J	0.13	0.13	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.6	J	0.3	0.3	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	NICKEL (TOTAL)	2.9		0.38	0.38	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	POTASSIUM (TOTAL)	302	J	47.5	47.5	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	SODIUM (TOTAL)	151	J	41.6	41.6	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	VANADIUM (TOTAL)	20.8		0.42	0.42	mg/Kg
SS198JK	05520	6/16/2003	CL200.7	ZINC (TOTAL)	6.9		0.7	1.1	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	ALUMINUM (TOTAL)	6690	J	3.9	3.9	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	ARSENIC (TOTAL)	2.6	J	0.52	0.52	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	BARIUM (TOTAL)	7.1		1.6	1.6	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.15	J	0.04	0.04	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	BORON (TOTAL)	2.3		0.99	0.99	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	CALCIUM (TOTAL)	133		48	48	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	CHROMIUM (TOTAL)	6.4	J	0.13	0.13	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	COBALT (TOTAL)	1.3		0.39	0.39	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	COPPER (TOTAL)	2.2		0.3	0.3	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	IRON (TOTAL)	8110	J	3.6	3.6	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	LEAD (TOTAL)	10	J	0.28	0.28	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	393	J	38.3	38.3	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	MANGANESE (TOTAL)	20.2	J	0.15	0.15	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.67	J	0.34	0.34	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	NICKEL (TOTAL)	3.1		0.43	0.43	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	POTASSIUM (TOTAL)	309	J	53.8	53.8	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	SODIUM (TOTAL)	130	J	47.1	47.1	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	VANADIUM (TOTAL)	20.4		0.47	0.47	mg/Kg
SS198JK	05522	6/16/2003	CL200.7	ZINC (TOTAL)	7.7		0.7	1.2	mg/Kg
SS198JK	05522	6/16/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32	J	32	400	ug/Kg
SS198JK	05524	6/16/2003	CL200.7	ALUMINUM (TOTAL)	6730	J	3.5	3.5	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	ARSENIC (TOTAL)	2.6	J	0.46	0.46	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	BARIUM (TOTAL)	7.3		1.4	1.4	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	BERYLLIUM (TOTAL)	0.17	J	0.04	0.04	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	BORON (TOTAL)	2.3		0.88	0.88	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	CALCIUM (TOTAL)	125		42.6	42.6	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198JK	05524	6/16/2003	CL200.7	CHROMIUM (TOTAL)	6.5	J	0.11	0.11	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	COBALT (TOTAL)	1.3		0.34	0.34	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	COPPER (TOTAL)	2.3		0.27	0.27	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	IRON (TOTAL)	8640	J	3.2	3.2	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	LEAD (TOTAL)	8.5	J	0.25	0.25	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	MAGNESIUM (TOTAL)	309	J	34.1	34.1	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	MANGANESE (TOTAL)	18.4	J	0.13	0.13	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	MOLYBDENUM (TOTAL)	0.59	J	0.31	0.31	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	NICKEL (TOTAL)	3		0.38	0.38	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	POTASSIUM (TOTAL)	321	J	47.8	47.8	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	SODIUM (TOTAL)	122	J	41.8	41.8	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	VANADIUM (TOTAL)	20.4		0.42	0.42	mg/Kg
SS198JK	05524	6/16/2003	CL200.7	ZINC (TOTAL)	7.5		0.7	1.1	mg/Kg
SS198JK	05524	6/16/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	430	J	92	390	ug/Kg
SS198JK	05717	6/16/2003	CVOL	ACETONE	35	J	3.87	8	ug/Kg
SS198JK	05717	6/16/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	2.79	8	ug/Kg
SS198JK	05718	6/16/2003	CVOL	ACETONE	27	J	3.87	6	ug/Kg
SS198JK	05718	6/16/2003	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	6	ug/Kg
SS198JO	05404	6/18/2003	CL200.7	ALUMINUM (TOTAL)	3070		3.9	3.9	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	ARSENIC (TOTAL)	2.5		0.51	0.51	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	BARIUM (TOTAL)	13.7		1.6	1.6	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	BORON (TOTAL)	3.9		0.98	0.98	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	CADMIUM (TOTAL)	0.49		0.1	0.13	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	CALCIUM (TOTAL)	108		47.5	47.5	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	CHROMIUM (TOTAL)	4.2		0.13	0.13	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	COBALT (TOTAL)	0.83		0.38	0.38	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	COPPER (TOTAL)	3.9		0.3	0.3	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	IRON (TOTAL)	5490		7.1	7.1	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	LEAD (TOTAL)	32.3		0.3	0.32	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	MAGNESIUM (TOTAL)	207		38.7	38.7	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	MANGANESE (TOTAL)	11.9		0.15	0.15	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	NICKEL (TOTAL)	2.8		0.43	0.43	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	VANADIUM (TOTAL)	23		0.47	0.47	mg/Kg
SS198JO	05404	6/18/2003	CL200.7	ZINC (TOTAL)	7.3		0.21	0.21	mg/Kg
SS198JO	05404	6/18/2003	SW8270	BENZOIC ACID	52	J	52	1000	ug/Kg
SS198JO	05404	6/18/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	410	ug/Kg
SS198JO	05404	6/18/2003	SW8270	PYRENE	37	J	37	410	ug/Kg
SS198JO	05404	6/18/2003	SW8330	2,4-DINITROTOLUENE	22	J	0.784	13	ug/Kg
SS198JO	05406	6/18/2003	CL200.7	ALUMINUM (TOTAL)	5200		4	4	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	ARSENIC (TOTAL)	2.8		0.52	0.52	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS198JO	05406	6/18/2003	CL200.7	BARIUM (TOTAL)	8.4		1.6	1.6	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	BORON (TOTAL)	2.6		1	1	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	CADMIUM (TOTAL)	0.37		0.1	0.13	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	CALCIUM (TOTAL)	76.4	J	48.3	48.3	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	CHROMIUM (TOTAL)	5.8		0.13	0.13	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	COBALT (TOTAL)	0.96		0.39	0.39	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	IRON (TOTAL)	11300		7.2	7.2	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	LEAD (TOTAL)	9		0.3	0.32	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	MAGNESIUM (TOTAL)	214		39.3	39.3	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	MANGANESE (TOTAL)	11.9		0.15	0.15	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	NICKEL (TOTAL)	2.3		0.43	0.43	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	VANADIUM (TOTAL)	19.6		0.48	0.48	mg/Kg
SS198JO	05406	6/18/2003	CL200.7	ZINC (TOTAL)	5.4		0.22	0.22	mg/Kg
SS198JO	05406	6/18/2003	SW8270	BENZOIC ACID	36	J	36	1000	ug/Kg
SS198JO	05406	6/18/2003	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23	J	23	400	ug/Kg
SS198JO	05408	6/18/2003	CL200.7	ALUMINUM (TOTAL)	10300		4.2	4.2	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	ARSENIC (TOTAL)	3.7		0.55	0.55	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	BARIUM (TOTAL)	8.6		1.7	1.7	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	BORON (TOTAL)	3.2		1.1	1.1	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	CADMIUM (TOTAL)	0.33		0.1	0.14	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	CALCIUM (TOTAL)	67.8	J	51.4	51.4	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	CHROMIUM (TOTAL)	8.4		0.14	0.14	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	COBALT (TOTAL)	1.6		0.41	0.41	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	IRON (TOTAL)	12100		7.7	7.7	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	LEAD (TOTAL)	8.5		0.3	0.35	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	MAGNESIUM (TOTAL)	289		41.9	41.9	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	MANGANESE (TOTAL)	35.9		0.16	0.16	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	NICKEL (TOTAL)	3.6		0.46	0.46	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	VANADIUM (TOTAL)	20.8		0.51	0.51	mg/Kg
SS198JO	05408	6/18/2003	CL200.7	ZINC (TOTAL)	7.4		0.23	0.23	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	ALUMINUM (TOTAL)	11800		2.4	2.4	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	ANTIMONY (TOTAL)	0.72		0.47	0.47	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	ARSENIC (TOTAL)	3.6		0.48	0.48	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	BARIUM (TOTAL)	12.8		0.59	0.59	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	BERYLLIUM (TOTAL)	0.26		0.02	0.02	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	BORON (TOTAL)	2.8		0.48	0.48	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	CADMIUM (TOTAL)	0.073		0.06	0.06	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	CALCIUM (TOTAL)	140		18.3	18.3	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	CHROMIUM (TOTAL)	12.3		0.14	0.14	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	COBALT (TOTAL)	2.1		0.2	0.2	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS335-A	ECC082203J302	8/29/2003	SW6010B	COPPER (TOTAL)	3.7		0.24	0.24	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	IRON (TOTAL)	10400		3.3	3.3	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	LEAD (TOTAL)	8		0.13	0.13	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	MAGNESIUM (TOTAL)	964		17.9	17.9	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	MANGANESE (TOTAL)	47.1		0.07	0.07	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	MOLYBDENUM (TOTAL)	0.58		0.17	0.17	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	NICKEL (TOTAL)	4.6		0.21	0.21	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	POTASSIUM (TOTAL)	447		39.5	39.5	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	SELENIUM (TOTAL)	0.67		0.34	0.34	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	VANADIUM (TOTAL)	20.1		0.2	0.2	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW6010B	ZINC (TOTAL)	16.8		0.1	0.1	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW7470A	MERCURY (TOTAL)	0.023		0.017	0.017	mg/Kg
SS335-A	ECC082203J302	8/29/2003	SW8330	2-NITROTOLUENE	49	J	4.94	13	ug/Kg
SS335-A	ECC082203J302	8/29/2003	SW8330	TETRYL	37		1.8	13	ug/Kg
SS339-A	SS339A_PE1	8/30/2006	SW6010B	COPPER	2.8		0.098	1.8657	MG/KG
SS339-A	SS339A_PE1	8/30/2006	SW6010B	LEAD	5.1		0.22	0.7463	MG/KG
SS339-A	SS339A_PE2	8/30/2006	SW6010B	COPPER	7.6		0.096	1.8797	MG/KG
SS339-A	SS339A_PE2	8/30/2006	SW6010B	LEAD	4.2		0.22	0.7519	MG/KG
SS339-A	SS339A_PE3	8/30/2006	SW6010B	COPPER	2.5		0.099	1.8797	MG/KG
SS339-A	SS339A_PE3	8/30/2006	SW6010B	LEAD	6		0.22	0.7519	MG/KG
SS339-A	SS339-SS1	4/14/2005	SW6010B	ALUMINUM (TOTAL)	5150		9.3	21.2163	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	ARSENIC (TOTAL)	2		0.45	1.0608	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	BARIUM (TOTAL)	4.6	J	0.89	21.2163	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.15	J	0.021	0.5304	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	CALCIUM (TOTAL)	85.7	J	22.4	530.4083	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	CHROMIUM (TOTAL)	4.8		0.13	1.0608	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	COBALT (TOTAL)	0.92	J	0.29	5.3041	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	COPPER (TOTAL)	1.3	J	0.28	2.652	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	IRON (TOTAL)	7370		4	10.6082	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	LEAD (TOTAL)	4.9		0.29	0.3182	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	381	J	22.3	530.4083	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	MANGANESE (TOTAL)	39.3		0.074	1.5912	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.34	J	0.21	1.0608	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	NICKEL (TOTAL)	1.5	J	0.32	4.2433	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	POTASSIUM (TOTAL)	227	J	45	530.4083	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.45	J	0.4	0.5304	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	VANADIUM (TOTAL)	10.5		0.29	5.3041	mg/Kg
SS339-A	SS339-SS1	4/14/2005	SW6010B	ZINC (TOTAL)	10		0.17	2.1216	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	ALUMINUM (TOTAL)	10100		8.9	20.2601	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	ANTIMONY (TOTAL)	0.44	J	0.42	6.078	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS339-A	SS339-SS2	4/14/2005	SW6010B	ARSENIC (TOTAL)	2.3		0.43	1.013	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	BARIUM (TOTAL)	8.1	J	0.85	20.2601	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.02	0.5065	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	CALCIUM (TOTAL)	311	J	21.4	506.5035	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	CHROMIUM (TOTAL)	12		0.12	1.013	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	COBALT (TOTAL)	2.9	J	0.27	5.065	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	COPPER (TOTAL)	4		0.26	2.5325	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	IRON (TOTAL)	11500		3.8	10.1301	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	LEAD (TOTAL)	9.9		0.27	0.3039	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	1760		21.3	506.5035	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	MANGANESE (TOTAL)	53.1		0.071	1.5195	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.86	J	0.2	1.013	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	NICKEL (TOTAL)	7		0.3	4.052	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	POTASSIUM (TOTAL)	405	J	43	506.5035	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.82		0.38	0.5065	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	VANADIUM (TOTAL)	22.1		0.27	5.065	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW6010B	ZINC (TOTAL)	21.8		0.16	2.026	mg/Kg
SS339-A	SS339-SS2	4/14/2005	SW7471A	MERCURY (TOTAL)	0.019	J	0.018	0.0441	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	ALUMINUM (TOTAL)	7580		8.6	19.5137	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	ARSENIC (TOTAL)	2.1		0.41	0.9757	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	BARIUM (TOTAL)	5.8	J	0.82	19.5137	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.17	J	0.019	0.4878	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	CALCIUM (TOTAL)	52.3	J	20.6	487.843	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	CHROMIUM (TOTAL)	6.6		0.12	0.9757	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	COBALT (TOTAL)	0.85	J	0.26	4.8784	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	COPPER (TOTAL)	1.9	J	0.25	2.4392	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	IRON (TOTAL)	7160		3.7	9.7569	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	LEAD (TOTAL)	5.3		0.26	0.2927	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	341	J	20.5	487.843	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	MANGANESE (TOTAL)	18.4		0.068	1.4635	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.36	J	0.2	0.9757	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	NICKEL (TOTAL)	2.5	J	0.29	3.9027	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	POTASSIUM (TOTAL)	222	J	41.4	487.843	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	VANADIUM (TOTAL)	12.4		0.26	4.8784	mg/Kg
SS339-A	SS339-SS3	4/14/2005	SW6010B	ZINC (TOTAL)	6.2		0.16	1.9514	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	ALUMINUM (TOTAL)	8210		9.5	21.6563	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	ARSENIC (TOTAL)	2.6		0.45	1.0828	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	BARIUM (TOTAL)	9.2	J	0.91	21.6563	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.022	0.5414	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	CALCIUM (TOTAL)	88.4	J	22.9	541.4068	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS339-A	SS339-SS4	4/14/2005	SW6010B	CHROMIUM (TOTAL)	7.8		0.13	1.0828	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	COBALT (TOTAL)	1.6	J	0.29	5.4141	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	COPPER (TOTAL)	3.9		0.28	2.707	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	IRON (TOTAL)	8630		4.1	10.8281	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	LEAD (TOTAL)	7.8		0.29	0.3248	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	659		22.8	541.4068	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	MANGANESE (TOTAL)	34.7		0.076	1.6242	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.46	J	0.22	1.0828	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	NICKEL (TOTAL)	3.3	J	0.32	4.3313	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	POTASSIUM (TOTAL)	352	J	46	541.4068	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.42	J	0.41	0.5414	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	VANADIUM (TOTAL)	16.4		0.29	5.4141	mg/Kg
SS339-A	SS339-SS4	4/14/2005	SW6010B	ZINC (TOTAL)	11.6		0.17	2.1656	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	ALUMINUM (TOTAL)	8110		7.6	17.1734	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	ARSENIC (TOTAL)	2.4		0.36	0.8587	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	BARIUM (TOTAL)	6.5	J	0.72	17.1734	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.017	0.4293	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	CALCIUM (TOTAL)	67.2	J	18.1	429.3356	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	CHROMIUM (TOTAL)	7.9		0.1	0.8587	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	COBALT (TOTAL)	1.5	J	0.23	4.2934	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	COPPER (TOTAL)	1.9	J	0.22	2.1467	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	IRON (TOTAL)	8210		3.3	8.5867	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	LEAD (TOTAL)	5.2		0.23	0.2576	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	424	J	18	429.3356	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	MANGANESE (TOTAL)	24.7		0.06	1.288	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.54	J	0.17	0.8587	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	NICKEL (TOTAL)	3.1	J	0.26	3.4347	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	POTASSIUM (TOTAL)	265	J	36.5	429.3356	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.83		0.33	0.4293	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	VANADIUM (TOTAL)	14		0.23	4.2934	mg/Kg
SS339-A	SS339-SS5	4/14/2005	SW6010B	ZINC (TOTAL)	10.2		0.14	1.7173	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	ALUMINUM (TOTAL)	5220		9.5	21.558	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	ARSENIC (TOTAL)	3.5		0.45	1.0779	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	BARIUM (TOTAL)	7.2	J	0.91	21.558	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.1	J	0.022	0.5389	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	CADMIUM (TOTAL)	0.12	J	0.065	0.5389	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	CALCIUM (TOTAL)	59.3	J	22.8	538.9499	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	CHROMIUM (TOTAL)	5.2		0.13	1.0779	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	COBALT (TOTAL)	0.52	J	0.29	5.3895	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	COPPER (TOTAL)	2.9		0.28	2.6947	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS339-A	SS339-SS6	4/14/2005	SW6010B	IRON (TOTAL)	9610		4.1	10.779	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	LEAD (TOTAL)	6.2		0.29	0.3234	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	222	J	22.7	538.9499	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	MANGANESE (TOTAL)	10.6		0.075	1.6168	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.78	J	0.22	1.0779	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	NICKEL (TOTAL)	1.6	J	0.32	4.3116	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	POTASSIUM (TOTAL)	239	J	45.8	538.9499	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.77		0.41	0.5389	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	SODIUM (TOTAL)	58.3	J	52.6	538.9499	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	VANADIUM (TOTAL)	17.1		0.29	5.3895	mg/Kg
SS339-A	SS339-SS6	4/14/2005	SW6010B	ZINC (TOTAL)	4.7		0.17	2.1558	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	ALUMINUM (TOTAL)	2810		8.3	18.8865	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	ARSENIC (TOTAL)	1.8		0.4	0.9443	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	BARIUM (TOTAL)	7.1	J	0.79	18.8865	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.069	J	0.019	0.4722	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	CADMIUM (TOTAL)	0.12	J	0.057	0.4722	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	CALCIUM (TOTAL)	86.5	J	19.9	472.1614	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	CHROMIUM (TOTAL)	3.2		0.11	0.9443	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	COBALT (TOTAL)	0.38	J	0.26	4.7216	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	COPPER (TOTAL)	3.7		0.25	2.3608	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	IRON (TOTAL)	6860		3.6	9.4432	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	LEAD (TOTAL)	6		0.26	0.2833	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	144	J	19.8	472.1614	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	MANGANESE (TOTAL)	8.1		0.066	1.4165	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.31	J	0.19	0.9443	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	NICKEL (TOTAL)	0.71	J	0.28	3.7773	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	POTASSIUM (TOTAL)	257	J	40.1	472.1614	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	SELENIUM (TOTAL)	0.46	J	0.36	0.4722	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	VANADIUM (TOTAL)	13.9		0.26	4.7216	mg/Kg
SS339-A	SS339-SS7	4/14/2005	SW6010B	ZINC (TOTAL)	6.4		0.15	1.8886	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	ALUMINUM (TOTAL)	7140		7.9	18.0346	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	ARSENIC (TOTAL)	3	J	0.38	0.9017	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	BARIUM (TOTAL)	8.9	J	0.76	18.0346	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.018	0.4509	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	CALCIUM (TOTAL)	132	J	19	450.8648	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	CHROMIUM (TOTAL)	7.2		0.11	0.9017	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	COBALT (TOTAL)	1.5	J	0.24	4.5086	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	COPPER (TOTAL)	2.4	J	0.23	2.2543	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	IRON (TOTAL)	7600		3.4	9.0173	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	LEAD (TOTAL)	5.7	J	0.24	0.2705	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS339-A	SS339-SS8	4/14/2005	SW6010B	MAGNESIUM (TOTAL)	736		19	450.8648	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	MANGANESE (TOTAL)	38.1	J	0.063	1.3526	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	MOLYBDENUM (TOTAL)	0.5	J	0.18	0.9017	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	NICKEL (TOTAL)	3.4	J	0.27	3.6069	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	POTASSIUM (TOTAL)	409	J	38.3	450.8648	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	VANADIUM (TOTAL)	14.8		0.24	4.5086	mg/Kg
SS339-A	SS339-SS8	4/14/2005	SW6010B	ZINC (TOTAL)	16.4	J	0.14	1.8035	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	ALUMINUM (TOTAL)	3170		6.3	48.8	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	ARSENIC (TOTAL)	2.8		0.76	2.4	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	BARIUM (TOTAL)	18.5	J	0.073	48.8	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.041	J	0.024	1.2	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	BORON (TOTAL)	3.5	J	0.27	3.7	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	CALCIUM (TOTAL)	576	J	10.1	1220	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	CHROMIUM (TOTAL)	3.9		0.15	2.4	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	COBALT (TOTAL)	0.21	J	0.12	12.2	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	COPPER (TOTAL)	5.6	J	0.2	6.1	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	IRON (TOTAL)	7320		6.9	24.4	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	LEAD (TOTAL)	42.7		0.37	0.73	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	418	J	8.6	1220	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.64	J	0.32	1.2	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	NICKEL (TOTAL)	4.6	J	0.32	9.8	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	POTASSIUM (TOTAL)	293	J	3.2	1220	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	SELENIUM (TOTAL)	0.92	J	0.68	1.2	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	SODIUM (TOTAL)	115	J	28.4	1220	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	VANADIUM (TOTAL)	28.7		0.17	12.2	mg/Kg
SS71-A	04494	5/15/2003	CL200.7	ZINC (TOTAL)	16		0.46	4.9	mg/Kg
SS71-A	04494	5/15/2003	CL245.1	MERCURY (TOTAL)	0.14		0.02	0.039	mg/Kg
SS71-A	04494	5/15/2003	SW8270C	DI-N-BUTYL PHTHALATE	91	J	61	480	ug/Kg
SS71-A	04494	5/15/2003	SW8270C	FLUORANTHENE	55	J	53	480	ug/Kg
SS71-A	04502	5/15/2003	CL200.7	ALUMINUM (TOTAL)	2570		5.1	39.7	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	ANTIMONY (TOTAL)	0.5	J	0.46	11.9	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	ARSENIC (TOTAL)	6.2		0.61	2	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	BARIUM (TOTAL)	32.4	J	0.059	39.7	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.041	J	0.02	0.99	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	CALCIUM (TOTAL)	114	J	8.2	991	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	CHROMIUM (TOTAL)	5.1		0.12	2	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	COBALT (TOTAL)	1.4	J	0.099	9.9	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	COPPER (TOTAL)	786		0.16	5	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	IRON (TOTAL)	49300		5.6	19.8	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	LEAD (TOTAL)	298		0.3	0.59	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS71-A	04502	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	212	J	7	991	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.36	J	0.26	0.99	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	NICKEL (TOTAL)	2.9	J	0.26	7.9	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	POTASSIUM (TOTAL)	193	J	2.6	991	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	SELENIUM (TOTAL)	1		0.56	0.99	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	SODIUM (TOTAL)	56.5	J	23.1	991	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	THALLIUM (TOTAL)	1.1	J	0.63	2	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	VANADIUM (TOTAL)	16.1		0.14	9.9	mg/Kg
SS71-A	04502	5/15/2003	CL200.7	ZINC (TOTAL)	54		0.38	4	mg/Kg
SS71-A	04502	5/15/2003	CL245.1	MERCURY (TOTAL)	0.061		0.016	0.032	mg/Kg
SSA08290202	08524	10/16/2003	SW8330	2,4-DINITROTOLUENE	27	J	0.784	13	ug/Kg
SSA08290202	08524	10/16/2003	SW8330	2,6-DINITROTOLUENE	14	J	1.33	13	ug/Kg
SSA10230301	09399	10/30/2003	CL200.7	ALUMINUM (TOTAL)	15000		5.7	5.7	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	ARSENIC (TOTAL)	4		0.9	1.1	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	BARIUM (TOTAL)	10.5		3	3	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	BERYLLIUM (TOTAL)	0.29		0.1	0.1	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	CALCIUM (TOTAL)	100	J	73.9	73.9	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	CHROMIUM (TOTAL)	13		0.28	0.28	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	COPPER (TOTAL)	7.4		0.57	0.57	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	IRON (TOTAL)	14300		7.2	7.2	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	LEAD (TOTAL)	13.1		0.3	0.36	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	MAGNESIUM (TOTAL)	637	J	77.5	77.5	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	MANGANESE (TOTAL)	28.4		0.31	0.31	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	MOLYBDENUM (TOTAL)	0.52	J	0.28	0.28	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	NICKEL (TOTAL)	5.7		0.62	0.62	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	POTASSIUM (TOTAL)	361		81.9	81.9	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	VANADIUM (TOTAL)	23.1		0.75	0.75	mg/Kg
SSA10230301	09399	10/30/2003	CL200.7	ZINC (TOTAL)	13.5		0.59	0.59	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	ALUMINUM	12000		4.6	4.6	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	ARSENIC	1.8		0.85	0.85	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	BARIUM	10.5		2.4	2.4	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	BERYLLIUM	0.23		0.08	0.08	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	CALCIUM	92.6	J	59.8	59.8	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	CHROMIUM, TOTAL	11.3		0.23	0.23	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	COBALT	1.5		0.6	0.6	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	COPPER	3210		2.9	4.6	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	IRON	16500		5.8	5.8	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	LEAD	852		0.29	0.29	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	MAGNESIUM	526	J	62.7	62.7	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	MANGANESE	54.2		0.25	0.25	mg/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-15
J-3 Range Area 5
Hillside Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSA10230301	09412	10/30/2003	C200.7	NICKEL	4.9		0.5	0.5	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	POTASSIUM	312		66.3	66.3	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	SELENIUM	9.9		0.75	0.75	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	VANADIUM	20.5		0.6	0.6	mg/Kg
SSA10230301	09412	10/30/2003	C200.7	ZINC	58.9		0.48	0.48	mg/Kg
SSA10230301	09412	10/30/2003	SW7471	MERCURY	0.057	J	0.0258	0.046	mg/Kg
SSA10230301	09412	10/30/2003	SW8270C	2-METHYLNAPHTHALENE	23	J	22.9	420	ug/Kg
SSA10230301	09412	10/30/2003	SW8270C	ACENAPHTHYLENE	32	J	20.4	420	ug/Kg
SSA10230301	09412	10/30/2003	SW8270C	BENZOIC ACID	150	J	123	1100	ug/Kg
SSA10230301	09412	10/30/2003	SW8270C	NAPHTHALENE	96	J	29.8	420	ug/Kg
SSA10230301	09412	10/30/2003	SW8270C	PHENANTHRENE	34	J	26.3	420	ug/Kg

J = Estimated
NJ = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-16
J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
6	MW-13D	S13DAA	11/21/1997	SB	0	0.5	YES	EXP, HERB, METALS, MISC, PEST, VOC	JLWP
6	MW-13D	S13DAD	11/21/1997	SB	0	0.5	YES	HERB, METALS, MISC, PEST, VOC	JLWP
6	MW-13D	S13DBA	11/21/1997	SB	1.5	2	YES	METALS, MISC	JLWP
6	MW-13D	S13DCA	10/20/1997	SB	10	12	YES	EXP, HERB, METALS, MISC, PEST, SVOC, VOC	JLWP
6	MW-13D	S13DDA	10/21/1997	SB	20	22	YES	EXP, METALS, MISC	JLWP
6	MW-13D	S13DEA	10/21/1997	SB	30	34	YES	METALS, MISC	JLWP
6	MW-13D	S13DFA	10/21/1997	SB	40	42	YES	METALS, MISC	JLWP
6	MW-13D	S13DGA	10/21/1997	SB	50	52	YES	METALS, MISC	JLWP
6	MW-13D	S13DHA	10/21/1997	SB	60	62	YES	METALS, MISC	JLWP
6	MW-13D	S13DIA	10/21/1997	SB	70	72	YES	METALS, MISC	JLWP
6	MW-13D	S13DJA	10/21/1997	SB	80	82	YES	METALS, MISC	JLWP
6	MW-347	MW-347-S01	8/16/2004	SB	0	0.5	YES	EXP, METALS, PERC, SVOC	J3GWWP
6	MW-347	MW-347-S02	8/16/2004	SB	1.5	2	YES	EXP, METALS, PERC, SVOC	J3GWWP
6	MW-347	MW-347-S03	8/16/2004	SB	10	12	YES	EXP, METALS, PERC, SVOC	J3GWWP
6	SS10700-A	04483	5/15/2003	BIP	0	0	YES	METALS, PERC, SVOC	BIP Plan
6	SS10700-A	04497	5/15/2003	BIP	0	0	YES	METALS, PERC, SVOC	BIP Plan
6	SS10701-A	04485	5/15/2003	BIP	0	0	YES	METALS, PERC, SVOC	BIP Plan
6	SS10701-A	04498	5/15/2003	BIP	0	0	YES	METALS, PERC, SVOC	BIP Plan
6	SS10702-A	04487	5/15/2003	BIP	0	0	YES	METALS, PCN, PERC, SVOC	BIP Plan
6	SS10702-A	04499	5/15/2003	BIP	0	0	YES	METALS, PCN, PERC, SVOC	BIP Plan
6	SS10703-A	04489	5/15/2003	BIP	0	0	YES	METALS, PERC, SVOC	BIP Plan
6	SS10703-A	04490	5/15/2003	BIP	0	0	YES	METALS, PERC, SVOC	BIP Plan
6	SS10703-A	04500	5/15/2003	BIP	0	0	YES	METALS, PERC, SVOC	BIP Plan
6	SS10704-A	04492	5/15/2003	BIP	0	0	YES	METALS, SVOC	BIP Plan
6	SS10704-A	04501	5/15/2003	BIP	0	0	YES	METALS, SVOC	BIP Plan
6	SS15129-A	ECC111703BRT01 (post)	11/20/2003	BIP_POST	0	2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SS15129-A	ECC111703BRT01 (pre)	11/20/2003	BIP_PRE	0	2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
6	SS15130-A	ECC111703BRT02 (post)	11/20/2003	BIP_POST	0	2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SS15130-A	ECC111703BRT02 (pre)	11/20/2003	BIP_PRE	0	2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
6	SS15131-A	ECC111703BRT03 (post)	11/20/2003	BIP_POST	0	2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SS15131-A	ECC111703BRT03 (pre)	11/20/2003	BIP_PRE	0	2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
6	SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	BIP_POST	0	2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	BIP_POST	0	2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SS15132-A	ECC111703BRT04 (pre)	11/20/2003	BIP_PRE	0	2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
6	SS15133-A	ECC111703BRT05 (post)	11/20/2003	BIP_POST	0	2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
6	SS15133-A	ECC111703BRT05 (pre)	11/20/2003	BIP_PRE	0	2	YES	EXP, METALS, PCN, PERC, SVOC	BIP Plan
6	SS346-A	T1-E1B	10/2/2003	SC	0.25	0.5	YES	VOC	J3SWP
6	SS346-A	T1-E1B-01	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS346-A	T1-E1B-02	10/2/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS346-A	T1-E1B-03	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS347-A	T1-E1A-01	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS347-A	T1-E1A-02	10/2/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS347-A	T1-E1A-03	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-16
J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
6	SS348-A	T2-B2-01	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS348-A	T2-B2-01FD	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS348-A	T2-B2-02	10/2/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS348-A	T2-B2-03	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS349-A	T2-C2-01	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS349-A	T2-C2-02	10/2/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS349-A	T2-C2-03	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS350-A	T3-D3A-01	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS350-A	T3-D3A-02	10/2/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS350-A	T3-D3A-03	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS351-A	T3-D3B-01	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS351-A	T3-D3B-02	10/2/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS351-A	T3-D3B-03	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS352-A	T3-F3A-01	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS352-A	T3-F3A-02	10/2/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS352-A	T3-F3A-03	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS353-A	T3-F3B	10/2/2003	SC	0.25	0.5	YES	VOC	J3SWP
6	SS353-A	T3-F3B-01	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS353-A	T3-F3B-02	10/2/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS353-A	T3-F3B-03	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS354-A	T4-F4-01	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS354-A	T4-F4-02	10/2/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS354-A	T4-F4-03	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS355-A	T4-E4	10/2/2003	SC	0.25	0.5	YES	VOC	J3SWP
6	SS355-A	T4-E4-01	10/2/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS355-A	T4-E4-02	10/2/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS355-A	T4-E4-03	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS355-A	T4-E4-03FD	10/2/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS356-A	T4-C4-01	10/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS356-A	T4-C4-02	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS356-A	T4-C4-03	10/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS357-A	T4-B4-01	10/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS357-A	T4-B4-02	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS357-A	T4-B4-03	10/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS358-A	T6-D6A-01	10/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS358-A	T6-D6A-02	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS358-A	T6-D6A-03	10/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS359-A	T6-D6B-01	10/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS359-A	T6-D6B-02	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS359-A	T6-D6B-02FD	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS359-A	T6-D6B-03	10/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS360-A	T7-D7-01	10/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS360-A	T7-D7-02	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-16
J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
6	SS360-A	T7-D7-03	10/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS361-A	T7-E7-01	10/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS361-A	T7-E7-02	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS361-A	T7-E7-03	10/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS362-A	T9-D9-01	10/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS362-A	T9-D9-02	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS362-A	T9-D9-03	10/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS363-A	T9-C9-01	10/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS363-A	T9-C9-01FD	10/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS363-A	T9-C9-02	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS363-A	T9-C9-03	10/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS364-A	T9-F9A-01	10/6/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS364-A	T9-F9A-02	10/6/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS364-A	T9-F9A-03	10/6/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS365-A	T9-F9B-01	10/6/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS365-A	T9-F9B-02	10/6/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS365-A	T9-F9B-02FD	10/6/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS365-A	T9-F9B-03	10/6/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS366-A	T10-D10B-01	10/6/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS366-A	T10-D10B-02	10/6/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS366-A	T10-D10B-03	10/6/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS367-A	T10-C10A	10/6/2003	SC	0	0.25	YES	VOC	J3SWP
6	SS367-A	T10-D10A-01	10/3/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
6	SS367-A	T10-D10A-01	10/6/2003	SC	0	0.25	YES	PERC	J3SWP
6	SS367-A	T10-D10A-02	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, SVOC	J3SWP
6	SS367-A	T10-D10A-02	10/6/2003	SC	0.25	0.5	YES	PERC	J3SWP
6	SS367-A	T10-D10A-03	10/3/2003	SC	0.5	1	YES	EXP, METALS, SVOC	J3SWP
6	SS367-A	T10-D10A-03	10/6/2003	SC	0.5	1	YES	PERC	J3SWP
6	SS368-A	T10-C10B-01	10/6/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS368-A	T10-C10B-02	10/6/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS368-A	T10-C10B-02FD	10/6/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS368-A	T10-C10B-03	10/6/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS369-A	T10-C10A-01	10/6/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS369-A	T10-C10A-02	10/6/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS369-A	T10-C10A-03	10/6/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS370-A	T16-D16A-01	10/6/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS370-A	T16-D16A-01 FD	10/6/2003	SC	0	0.25	YES	PERC	J3SWP
6	SS370-A	T16-D16A-01FD	10/6/2003	SC	0	0.25	YES	EXP, METALS, SVOC	J3SWP
6	SS370-A	T16-D16A-02	10/6/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS370-A	T16-D16A-03	10/6/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS371-A	T16-D16B-01	10/3/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS371-A	T16-D16B-02	10/3/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS371-A	T16-D16B-03	10/3/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP

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TABLE 4-16
J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
6	SS372-A	T16-D16A	10/6/2003	SC	0.25	0.5	YES	VOC	J3SWP
6	SS372-A	T18-D18A-01	10/6/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS372-A	T18-D18A-02	10/6/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS372-A	T18-D18A-03	10/6/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS373-A	T18-D18B-01	10/6/2003	SC	0	0.25	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS373-A	T18-D18B-02	10/6/2003	SC	0.25	0.5	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS373-A	T18-D18B-03	10/6/2003	SC	0.5	1	YES	EXP, METALS, PERC, SVOC	J3SWP
6	SS373-A	T18-D18B-03FD	10/6/2003	SC	0.5	1	YES	PERC	J3SWP
6	SSJ3P43001	ECC072204J301 (post)	8/4/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3P43001	ECC072204J301 (pre)	8/4/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3P43002	ECC072904J301 (post)	8/4/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3P43002	ECC072904J301 (pre)	8/4/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3P43003	ECC072904J302 (post)	8/4/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3P43003	ECC072904J302 (pre)	8/4/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3P43004	ECC072904J303 (post)	8/4/2004	BIP_POST	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3P43004	ECC072904J303 (pre)	8/4/2004	BIP_PRE	0	0.2	YES	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3P43005	ECC080204J301 (post)	8/4/2004	BIP_POST	0	0.2	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3P43005	ECC080204J301 (pre)	8/4/2004	BIP_PRE	0	0.2	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3P43005	J3P43005_PE4	8/22/2006	BIP_PE	0	0.25	YES	EXP	BIP Plan
6	SSJ3P43005	J3P43005_PE5	8/22/2006	BIP_PE	0	0.25	YES	EXP	BIP Plan
6	SSJ3P43005	J3P43005_PE6	8/22/2006	BIP_PE	0	0.25	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-PE1	6/23/2006	BIP_PE	0	0.2	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-PE2	6/23/2006	BIP_PE	0	0.2	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-PE3	6/23/2006	BIP_PE	0	0.2	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-SS1	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-SS2	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-SS3	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-SS4	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-SS5	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-SS6	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-SS7	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
6	SSJ3P43005	SSJ3P43005-SS8	4/15/2005	BIP_SS	0	0.2	YES	EXP	BIP Plan
6	SSJ3X01	J3X01_PO	8/13/2009	BIP_POST	2	2.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X01	J3X01_PRE	8/12/2009	BIP_PRE	2	2.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X02	J3X02_PO	8/13/2009	BIP_POST	1.5	1.75	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X02	J3X02_PRE	8/12/2009	BIP_PRE	1.5	1.75	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X03	J3X03_PO	8/13/2009	BIP_POST	1.5	1.75	NO	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3X03	J3X03_PRE	8/12/2009	BIP_PRE	1.5	1.75	NO	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3X04	J3X04_PO	8/13/2009	BIP_POST	3	3.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X04	J3X04_PRE	8/12/2009	BIP_PRE	3	3.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X05	J3X05_PO	8/13/2009	BIP_POST	1.5	1.75	NO	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3X05	J3X05_PRE	8/12/2009	BIP_PRE	1.5	1.75	NO	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3X06	J3X06_PO	8/13/2009	BIP_POST	0.5	0.75	NO	EXP, METALS, SVOC	BIP Plan

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J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
6	SSJ3X06	J3X06_PRE	8/12/2009	BIP_PRE	0.5	0.75	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X07	J3X07_PO	8/13/2009	BIP_POST	0.5	0.75	NO	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3X07	J3X07_PO_D	8/13/2009	BIP_POST_D	0.5	0.75	NO	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3X07	J3X07_PRE	8/12/2009	BIP_PRE	0.5	0.75	NO	EXP, METALS, PERC, SVOC	BIP Plan
6	SSJ3X08	J3X08_PO	8/13/2009	BIP_POST	2	2.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X08	J3X08_PRE	8/12/2009	BIP_PRE	2	2.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X09	J3X09_PO	8/13/2009	BIP_POST	1.5	1.75	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X09	J3X09_PRE	8/12/2009	BIP_PRE	1.5	1.75	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X10	J3X10_PO	8/13/2009	BIP_POST	2	2.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X10	J3X10_PRE	8/12/2009	BIP_PRE	2	2.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X11	J3X11_PO	8/13/2009	BIP_POST	2.5	2.75	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X11	J3X11_PRE	8/12/2009	BIP_PRE	2.5	2.75	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X12	J3X12_PO	8/13/2009	BIP_POST	2.5	2.75	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X12	J3X12_PRE	8/12/2009	BIP_PRE	2.5	2.75	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X13	J3X13_PO	8/13/2009	BIP_POST	3	3.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X13	J3X13_PRE	8/12/2009	BIP_PRE	3	3.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X14	J3X14_PO	8/13/2009	BIP_POST	3.5	3.75	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X14	J3X14_PRE	8/12/2009	BIP_PRE	3.5	3.75	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X15	J3X15_PO	9/4/2009	BIP_POST	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X15	J3X15_PRE	9/1/2009	BIP_PRE	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X16	J3X16_PO	9/4/2009	BIP_POST	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X16	J3X16_PRE	9/1/2009	BIP_PRE	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X17	J3X17_PO	9/4/2009	BIP_POST	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X17	J3X17_PO_D	9/4/2009	BIP_POST_D	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X17	J3X17_PRE	9/1/2009	BIP_PRE	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X18	J3X18_PO	9/4/2009	BIP_POST	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X18	J3X18_PRE	9/1/2009	BIP_PRE	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X19	J3X19_PO	9/4/2009	BIP_POST	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X19	J3X19_PO_D	9/4/2009	BIP_POST_D	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X19	J3X19_PRE	9/1/2009	BIP_PRE	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X20	J3X20_PO	9/4/2009	BIP_POST	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X20	J3X20_PO_D	9/4/2009	BIP_POST_D	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X20	J3X20_PRE	9/1/2009	BIP_PRE	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X21	J3X21_PO	9/4/2009	BIP_POST	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X21	J3X21_PRE	9/1/2009	BIP_PRE	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X22	J3X22_PO	9/4/2009	BIP_POST	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X22	J3X22_PRE	9/1/2009	BIP_PRE	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X23	J3X23_PO	9/4/2009	BIP_POST	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X23	J3X23_PRE	9/1/2009	BIP_PRE	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X24	J3X24_PO	9/4/2009	BIP_POST	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X24	J3X24_PRE	9/1/2009	BIP_PRE	0	0.25	NO	EXP, METALS, SVOC	BIP Plan
6	SSJ3X25	J3X25_PO	9/4/2009	BIP_POST	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X25	J3X25_PRE	9/1/2009	BIP_PRE	0	0.25	YES	EXP, METALS, SVOC	BIP Plan

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J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
6	SSJ3X26	J3X26_PO	9/4/2009	BIP_POST	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X26	J3X26_PO_D	9/4/2009	BIP_POST_D	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
6	SSJ3X26	J3X26_PRE	9/1/2009	BIP_PRE	0	0.25	YES	EXP, METALS, SVOC	BIP Plan
	SSJ3X01	SSJ3X01_PO	12/03/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X01	SSJ3X01_POA	12/03/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X01	SSJ3X01_POB	12/03/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X01	SSJ3X01_SS	12/03/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X01	SSJ3X01_SSA	12/03/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X01	SSJ3X01_SSB	12/03/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X03	SSJ3X03_PO	12/05/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X03	SSJ3X03_SS	12/05/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_PO	12/03/2012	BIP_PE	0	0.25	NO	Cadmium, copper, explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_PO2	02/07/2013	BIP_PE	0	0.25	NO	Explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_PO3	03/21/2013	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_POA	12/03/2012	BIP_PE	0	0.25	NO	Cadmium, copper, explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_POB	12/03/2012	BIP_PE	0	0.25	NO	Cadmium, copper, explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_SS	12/03/2012	BIP_SS	0	0.25	NO	Cadmium, copper, explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_SS2	02/07/2013	BIP_SS	0	0.25	NO	Explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_SS2B	02/07/2013	BIP_SS	0	0.25	NO	Explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_SS2C	02/07/2013	BIP_SS	0	0.25	NO	Explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_SSA	12/03/2012	BIP_SS	0	0.25	NO	Cadmium, copper, explosives	Follow-Up BIP Plan
	SSJ3X05	SSJ3X05_SSB	12/03/2012	BIP_SS	0	0.25	NO	Cadmium, copper, explosives	Follow-Up BIP Plan
	SSJ3X06	SSJ3X06_PO	12/03/2012	BIP_PE	0	0.25	YES	Copper, explosives	Follow-Up BIP Plan
	SSJ3X06	SSJ3X06_POA	12/03/2012	BIP_PE	0	0.25	YES	Copper, explosives	Follow-Up BIP Plan
	SSJ3X06	SSJ3X06_POB	12/03/2012	BIP_PE	0	0.25	YES	Copper, explosives	Follow-Up BIP Plan
	SSJ3X06	SSJ3X06_SS	12/03/2012	BIP_SS	0	0.25	YES	Copper, explosives	Follow-Up BIP Plan
	SSJ3X06	SSJ3X06_SSA	12/03/2012	BIP_SS	0	0.25	YES	Copper, explosives	Follow-Up BIP Plan
	SSJ3X06	SSJ3X06_SSB	12/03/2012	BIP_SS	0	0.25	YES	Copper, explosives	Follow-Up BIP Plan
	SSJ3X07	SSJ3X07_PO	12/03/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X07	SSJ3X07_POA	12/03/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X07	SSJ3X07_POB	12/03/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X07	SSJ3X07_SS	12/03/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X07	SSJ3X07_SSA	12/03/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X10	SSJ3X10_PO	11/29/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X10	SSJ3X10_SS	11/29/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X11	SSJ3X11_PO	11/01/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X11	SSJ3X11_SS	11/01/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X12	SSJ3X12_PO	11/01/2012	BIP_PE	0	0.25	YES	Cadmium, copper, lead	Follow-Up BIP Plan
	SSJ3X12	SSJ3X12_SS	11/01/2012	BIP_SS	0	0.25	YES	Cadmium, copper, lead	Follow-Up BIP Plan
	SSJ3X13	SSJ3X13_PO	11/01/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X13	SSJ3X13_SS	11/01/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X14	SSJ3X14_PO	11/01/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X14	SSJ3X14_SS	11/01/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-16
J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
	SSJ3X16	SSJ3X16_PO	12/04/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X16	SSJ3X16_POA	12/04/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X16	SSJ3X16_POB	12/04/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X16	SSJ3X16_SS	12/04/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X16	SSJ3X16_SSA	12/04/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X16	SSJ3X16_SSB	12/04/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X17	SSJ3X17_PO	12/04/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X17	SSJ3X17_POA	12/04/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X17	SSJ3X17_POB	12/04/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X17	SSJ3X17_SS	12/04/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X17	SSJ3X17_SSA	12/04/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X17	SSJ3X17_SSB	12/04/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X18	SSJ3X18_PO	12/03/2012	BIP_PE	0	0.25	NO	Cadmium	Follow-Up BIP Plan
	SSJ3X18	SSJ3X18_PO2	02/06/2013	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X18	SSJ3X18_POA	12/03/2012	BIP_PE	0	0.25	NO	Cadmium	Follow-Up BIP Plan
	SSJ3X18	SSJ3X18_POB	12/03/2012	BIP_PE	0	0.25	NO	Cadmium	Follow-Up BIP Plan
	SSJ3X18	SSJ3X18_SS	12/03/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X18	SSJ3X18_SSA	12/03/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X18	SSJ3X18_SSB	12/03/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X20	SSJ3X20_PO	11/30/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X20	SSJ3X20_POA	11/30/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X20	SSJ3X20_POB	11/30/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X20	SSJ3X20_SS	11/30/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X20	SSJ3X20_SSA	11/30/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X20	SSJ3X20_SSB	11/30/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3X23	SSJ3X23_PO	12/05/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X23	SSJ3X23_SS	12/05/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X24	SSJ3X24_PO	12/05/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3X24	SSJ3X24_SS	12/05/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3BRSG01	J3BRSG01A	05/22/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG02	J3BRSG02A	05/22/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG02	J3BRSG02B	05/22/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG02	J3BRSG02C	05/22/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG03	J3BRSG03A	05/22/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG04	J3BRSG04A	05/22/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG05	J3BRSG05A	06/04/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG06	J3BRSG06A	06/04/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG07	J3BRSG07A	06/04/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG08	J3BRSG08A	06/04/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG09	J3BRSG09A	06/04/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3BRSG10	J3BRSG10A	06/04/2012	MIS Sample	0	0.25	YES	Perchlorate, Explosives	BR 2012 Investigation
	SSJ3T01	ECC052410J301_PO	07/15/2010	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T01	ECC052410J301_PRE	07/14/2010	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc

ft bgs = feet below ground surface

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SD = soil discrete

TABLE 4-16
J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
	SSJ3T02	ECC052410J302_PO	07/15/2010	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T02	ECC052410J302_POD	07/16/2010	SD	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T02	ECC052410J302_PRE	07/14/2010	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T03	ECC052510J301_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T03	ECC052510J301_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T04	ECC052510J302_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T04	ECC052510J302_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T05	ECC052510J303_PO	07/15/2010	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T05	ECC052510J303_PRE	07/14/2010	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T06	ECC052610J301_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T06	ECC052610J301_POD	07/16/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T06	ECC052610J301_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T07	ECC052610J302_PO	07/15/2010	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T07	ECC052610J302_POD	07/16/2010	SD	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T07	ECC052610J302_PRE	07/14/2010	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T08	ECC052610J303_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T08	ECC052610J303_POD	07/16/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T08	ECC052610J303_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T09	ECC052610J304_PO	07/15/2010	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T09	ECC052610J304_POD	07/16/2010	SD	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T09	ECC052610J304_PRE	07/14/2010	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T10	ECC052610J305_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T10	ECC052610J305_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T11	ECC052610J306_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T11	ECC052610J306_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T12	ECC052610J307_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T12	ECC052610J307_POD	07/16/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T12	ECC052610J307_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T13	ECC052710J301_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T13	ECC052710J301_POD	07/16/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T13	ECC052710J301_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T14	ECC052710J302_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T14	ECC052710J302_POD	07/16/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T14	ECC052710J302_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T15	ECC052710J303_PO	07/15/2010	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T15	ECC052710J303_POD	07/16/2010	SD	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T15	ECC052710J303_PRE	07/14/2010	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T18	ECC070710J302_PO	07/15/2010	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T18	ECC070710J302_POD	07/16/2010	SD	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T18	ECC070710J302_PRE	07/14/2010	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T19	ECC070810J301_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T19	ECC070810J301_POD	07/16/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T19	ECC070810J301_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl

ft bgs = feet below ground surface

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TABLE 4-16
J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
	SSJ3T20	ECC070910J301_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T20	ECC070910J301_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T21	ECC070910J302_PO	07/15/2010	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T21	ECC070910J302_PRE	07/14/2010	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T22	ECC070910J303_PO	07/15/2010	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T22	ECC070910J303_POD	07/16/2010	SD	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T22	ECC070910J303_PRE	07/14/2010	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3T23	ECC070910J304_PO	07/15/2010	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	Post-BIP spl
	SSJ3T23	ECC070910J304_PRE	07/14/2010	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3T01	SSJ3T01_PO	12/04/2012	BIP_PE	0	0.25	NO	Cadmium	Follow-Up BIP Plan
	SSJ3T01	SSJ3T01_PO2	02/06/2013	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T01	SSJ3T01_POA	12/04/2012	BIP_PE	0	0.25	NO	Cadmium	Follow-Up BIP Plan
	SSJ3T01	SSJ3T01_POB	12/04/2012	BIP_PE	0	0.25	NO	Cadmium	Follow-Up BIP Plan
	SSJ3T01	SSJ3T01_SS	12/04/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T01	SSJ3T01_SSA	12/04/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T01	SSJ3T01_SSB	12/04/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T02	SSJ3T02_PO	12/03/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3T02	SSJ3T02_POA	12/03/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3T02	SSJ3T02_POB	12/03/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3T02	SSJ3T02_SS	12/03/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3T02	SSJ3T02_SSA	12/03/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3T02	SSJ3T02_SSB	12/03/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3T05	SSJ3T05_PO	12/06/2012	BIP_PE	0	0.25	YES	Cadmium, copper, lead, chromium	Follow-Up BIP Plan
	SSJ3T05	SSJ3T05_SS	12/06/2012	BIP_SS	0	0.25	YES	Cadmium, copper, lead, chromium	Follow-Up BIP Plan
	SSJ3T07	SSJ3T07_PO	12/05/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T07	SSJ3T07_SS	12/05/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T09	SSJ3T09_PO	12/05/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T09	SSJ3T09_SS	12/05/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T15	SSJ3T15_PO	11/30/2012	BIP_PE	0	0.25	YES	Cadmium, explosives	Follow-Up BIP Plan
	SSJ3T15	SSJ3T15_POA	11/30/2012	BIP_PE	0	0.25	YES	Cadmium, explosives	Follow-Up BIP Plan
	SSJ3T15	SSJ3T15_POB	11/30/2012	BIP_PE	0	0.25	YES	Cadmium, explosives	Follow-Up BIP Plan
	SSJ3T15	SSJ3T15_SS	11/30/2012	BIP_SS	0	0.25	YES	Cadmium, explosives	Follow-Up BIP Plan
	SSJ3T15	SSJ3T15_SSA	11/30/2012	BIP_SS	0	0.25	YES	Cadmium, explosives	Follow-Up BIP Plan
	SSJ3T15	SSJ3T15_SSB	11/30/2012	BIP_SS	0	0.25	YES	Cadmium, explosives	Follow-Up BIP Plan
	SSJ3T17	SSJ3T17_PO2	02/07/2013	BIP_PE	0	0.25	NO	Explosives	Follow-Up BIP Plan
	SSJ3T17	SSJ3T17_PO3	03/21/2013	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3T17	SSJ3T17_SS2	02/07/2013	BIP_SS	0	0.25	NO	Explosives	Follow-Up BIP Plan
	SSJ3T18	SSJ3T18_PO	11/29/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T18	SSJ3T18_SS	11/29/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T21	SSJ3T21_PO	12/05/2012	BIP_PE	0	0.25	NO	Cadmium	Follow-Up BIP Plan
	SSJ3T21	SSJ3T21_PO2	02/05/2013	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T21	SSJ3T21_SS	12/05/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3T22	SSJ3T22_PO	12/05/2012	BIP_PE	0	0.25	YES	Cadmium, explosives	Follow-Up BIP Plan

ft bgs = feet below ground surface

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TABLE 4-16
J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
	SSJ3T22	SSJ3T22_SS	12/05/2012	BIP_SS	0	0.25	YES	Cadmium, explosives	Follow-Up BIP Plan
	SSJ3B01	SSJ3B01_PO	12/04/2012	BIP_PE	0	0.25	NO	Cadmium	Follow-Up BIP Plan
	SSJ3B01	SSJ3B01_PO2	02/06/2013	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B01	SSJ3B01_SS	12/04/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B02	SSJ3B02_PO	12/06/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B02	SSJ3B02_SS	12/06/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B03	SSJ3B03_PO	12/04/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B03	SSJ3B03_SS	12/04/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B07	SSJ3B07_PO	12/05/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B07	SSJ3B07_SS	12/05/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B08	SSJ3B08_PO	12/04/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3B08	SSJ3B08_SS	12/04/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3B09	SSJ3B09_PO	12/04/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B09	SSJ3B09_POA	12/04/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B09	SSJ3B09_POB	12/04/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B09	SSJ3B09_SS	12/04/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B12	SSJ3B12_PO	12/06/2012	BIP_PE	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B12	SSJ3B12_SS	12/06/2012	BIP_SS	0	0.25	YES	Cadmium	Follow-Up BIP Plan
	SSJ3B14	SSJ3B14_PO	12/05/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3B14	SSJ3B14_SS	12/05/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3B16	SSJ3B16_PO	12/06/2012	BIP_PE	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3B16	SSJ3B16_SS	12/06/2012	BIP_SS	0	0.25	YES	Explosives	Follow-Up BIP Plan
	SSJ3B01	TT051811J3B01_PO	11/07/2011	BIP_POST	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B01	TT051811J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B02	TT051811J3B02_PO	11/07/2011	BIP_POST	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B02	TT051811J3B02_PRE	11/01/2011	BIP_PRE	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B03	TT052411J3B01_PO	11/07/2011	BIP_POST	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B03	TT052411J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B04	TT052411J3B02_PO	11/08/2011	BIP_POST	0	0.25	YES	Metals, SVOC, explosives	post-BIP spl
	SSJ3B04	TT052411J3B02_PRE	11/01/2011	BIP_PRE	0	0.25	YES	Metals, SVOC, explosives	pre-BIP spl
	SSJ3B05	TT052511J3B01_PO	11/07/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B05	TT052511J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	YES	Metals, Perc, SVOC, explosives	pre-BIP spl
	SSJ3B06	TT052511J3B02_D	06/02/2011	SD	0	0.25	YES	Perc, Explosives	Discrete spl
	SSJ3B07	TT052611J3B01_PO	11/07/2011	BIP_POST	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B07	TT052611J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B08	TT060811J3B01_POA	11/07/2011	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3B08	TT060811J3B01_POB	11/07/2011	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3B08	TT060811J3B01_POC	11/07/2011	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3B08	TT060811J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3B09	TT060811J3B02_PO	11/07/2011	BIP_POST	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B09	TT060811J3B02_PRE	11/01/2011	BIP_PRE	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B10	TT060911J3B01_PO	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B10	TT060911J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	YES	Metals, Perc, SVOC, explosives	pre-BIP spl

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-16
J-3 Range Area 6
Barrage Rocket Study Area, Sample Identification and Analysis

Area	Location	Sample ID	Date	Sort Type	Start Sample Depth (ft bgs)	End Sample Depth (ft bgs)	Include	Analytical Method	Plan
	SSJ3B11	TT060911J3B02_PO	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B11	TT060911J3B02_PRE	11/01/2011	BIP_PRE	0	0.25	YES	Metals, Perc, SVOC, explosives	pre-BIP spl
	SSJ3B12	TT101711J3B01_PO	11/08/2011	BIP_POST	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B12	TT101711J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B13	TT101811J3B01_PO	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B13	TT101811J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	YES	Metals, Perc, SVOC, explosives	pre-BIP spl
	SSJ3B14	TT101911J3B01_POA	11/08/2011	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3B14	TT101911J3B01_POB	11/08/2011	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3B14	TT101911J3B01_POC	11/08/2011	BIP_POST	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3B14	TT101911J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	NO	Metals, SVOC, explosives	excavated BIP loc
	SSJ3B15	TT102011J3B01_PO	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B15	TT102011J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	YES	Metals, Perc, SVOC, explosives	pre-BIP spl
	SSJ3B16	TT102411J3B01_PO	11/08/2011	BIP_POST	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B16	TT102411J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	NO	Metals, Perc, SVOC, explosives	excavated BIP loc
	SSJ3B17	TT102511J3B01_POA	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B17	TT102511J3B01_POB	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B17	TT102511J3B01_POC	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B17	TT102511J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	YES	Metals, Perc, SVOC, explosives	pre-BIP spl
	SSJ3B18	TT102611J3B01_POA	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B18	TT102611J3B01_POB	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B18	TT102611J3B01_POC	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B18	TT102611J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	YES	Metals, Perc, SVOC, explosives	pre-BIP spl
	SSJ3B19	TT102711J3B01_PO	11/08/2011	BIP_POST	0	0.25	YES	Metals, Perc, SVOC, explosives	post-BIP spl
	SSJ3B19	TT102711J3B01_PRE	11/01/2011	BIP_PRE	0	0.25	YES	Metals, Perc, SVOC, explosives	pre-BIP spl

ft bgs = feet below ground surface

SB = soil boring
SC = soil composite
SD = soil discrete

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-13D	S13DAA	11/21/1997	CL200.7	ALUMINUM (TOTAL)	8160		2.66	2.66	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	ARSENIC (TOTAL)	1.3	J	0.778	0.778	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	BARIUM (TOTAL)	18.2		0.908	0.908	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	BERYLLIUM (TOTAL)	0.15		0.0216	0.0216	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	CALCIUM (TOTAL)	517		22.7	22.7	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	CHROMIUM (TOTAL)	8.5		0.238	0.238	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	COBALT (TOTAL)	1.8		0.367	0.367	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	COPPER (TOTAL)	5.3		0.497	0.497	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	IRON (TOTAL)	8050		5.53	5.53	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	LEAD (TOTAL)	21.4	J	0.389	0.389	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	MAGNESIUM (TOTAL)	738		27.4	27.4	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	MANGANESE (TOTAL)	40.5		0.0648	0.0648	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	NICKEL (TOTAL)	6.1		0.454	0.454	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	POTASSIUM (TOTAL)	467		47.4	47.4	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	SELENIUM (TOTAL)	1.1	J	1.02	1.02	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	VANADIUM (TOTAL)	25.1		0.346	0.346	mg/Kg
MW-13D	S13DAA	11/21/1997	CL200.7	ZINC (TOTAL)	17.7	J	0.67	0.67	mg/Kg
MW-13D	S13DAA	11/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	21.3	J	21.3	21.3	mg/Kg
MW-13D	S13DAA	11/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.04	0.04	mg/Kg
MW-13D	S13DAA	11/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103	J	103	103	mg/Kg
MW-13D	S13DAA	11/21/1997	SW8151A	ACIFLUORFEN	130		130	130	ug/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	ALUMINUM (TOTAL)	14500		3.41	3.41	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	ARSENIC (TOTAL)	3.5	J	0.997	0.997	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	BARIUM (TOTAL)	14.1		1.16	1.16	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	BERYLLIUM (TOTAL)	0.24		0.0277	0.0277	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	CALCIUM (TOTAL)	154		29.1	29.1	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	CHROMIUM (TOTAL)	13.5		0.305	0.305	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	COBALT (TOTAL)	1.8		0.471	0.471	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	COPPER (TOTAL)	3.3		0.637	0.637	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	IRON (TOTAL)	15200		7.09	7.09	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	LEAD (TOTAL)	13.9	J	0.499	0.499	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	MAGNESIUM (TOTAL)	661		35.1	35.1	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	MANGANESE (TOTAL)	28.6		0.0831	0.0831	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	NICKEL (TOTAL)	4.3		0.582	0.582	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	POTASSIUM (TOTAL)	459		60.8	60.8	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	VANADIUM (TOTAL)	27.8		0.443	0.443	mg/Kg
MW-13D	S13DAD	11/21/1997	CL200.7	ZINC (TOTAL)	12.2	J	0.859	0.859	mg/Kg
MW-13D	S13DAD	11/21/1997	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	5.6		5.6	5.6	ug/Kg
MW-13D	S13DAD	11/21/1997	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	1.6	J	1.6	1.6	ug/Kg
MW-13D	S13DAD	11/21/1997	CVOL	TOLUENE	4	J	4	4	ug/Kg
MW-13D	S13DAD	11/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	24.5	J	24.5	24.5	mg/Kg
MW-13D	S13DAD	11/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.09	J	0.09	0.09	mg/Kg
MW-13D	S13DAD	11/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86.5	J	86.5	86.5	mg/Kg
MW-13D	S13DAD	11/21/1997	SW8151A	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	19	NJ	19	19	ug/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-13D	S13DAD	11/21/1997	SW8151A	BENTAZON	240		240	240	ug/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	ALUMINUM (TOTAL)	14300		2.99	2.99	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	ARSENIC (TOTAL)	3.6	J	0.875	0.875	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	BARIUM (TOTAL)	18.3		1.02	1.02	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	BERYLLIUM (TOTAL)	0.32		0.0243	0.0243	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	CALCIUM (TOTAL)	153		25.5	25.5	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	CHROMIUM (TOTAL)	18.2		0.267	0.267	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	COBALT (TOTAL)	4.7		0.413	0.413	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	COPPER (TOTAL)	6.6		0.559	0.559	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	IRON (TOTAL)	14000		6.22	6.22	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	LEAD (TOTAL)	7.9	J	0.437	0.437	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	MAGNESIUM (TOTAL)	2470		30.8	30.8	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	MANGANESE (TOTAL)	95.5		0.0729	0.0729	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	NICKEL (TOTAL)	8.9		0.51	0.51	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	POTASSIUM (TOTAL)	871		53.3	53.3	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	VANADIUM (TOTAL)	23.7		0.389	0.389	mg/Kg
MW-13D	S13DBA	11/21/1997	CL200.7	ZINC (TOTAL)	24.6	J	0.753	0.753	mg/Kg
MW-13D	S13DBA	11/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg
MW-13D	S13DBA	11/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	83.4	J	83.4	83.4	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	ALUMINUM (TOTAL)	565		3.94	3.94	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	BARIUM (TOTAL)	1.9		0.648	0.648	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	CALCIUM (TOTAL)	28.6	J	16.1	16.1	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	CHROMIUM (TOTAL)	0.25	J	0.162	0.162	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	COBALT (TOTAL)	0.47	J	0.234	0.234	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	COPPER (TOTAL)	0.86	J	0.198	0.198	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	IRON (TOTAL)	1080		3.67	3.67	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	LEAD (TOTAL)	0.67		0.306	0.306	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	MAGNESIUM (TOTAL)	132		16	16	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	MANGANESE (TOTAL)	20.2		0.072	0.072	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	NICKEL (TOTAL)	0.69		0.162	0.162	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	POTASSIUM (TOTAL)	125		34.8	34.8	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	VANADIUM (TOTAL)	1.4		0.216	0.216	mg/Kg
MW-13D	S13DCA	10/20/1997	CL200.7	ZINC (TOTAL)	3.3		0.342	0.342	mg/Kg
MW-13D	S13DCA	10/20/1997	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	3.1	3.1	mg/Kg
MW-13D	S13DCA	10/20/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.78		0.78	0.78	mg/Kg
MW-13D	S13DCA	10/20/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	28.7	J	28.7	28.7	mg/Kg
MW-13D	S13DCA	10/20/1997	SW8151A	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	6.4	NJ	6.4	6.4	ug/Kg
MW-13D	S13DCA	10/20/1997	SW8151A	SILVEX (2,4,5-TP)	7.2	J	7.2	7.2	ug/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	ALUMINUM (TOTAL)	1470		3.49	3.49	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	ARSENIC (TOTAL)	0.91		0.398	0.398	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	BARIUM (TOTAL)	6.5		0.573	0.573	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	BERYLLIUM (TOTAL)	0.093		0.0159	0.0159	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	CALCIUM (TOTAL)	175		14.2	14.2	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	CHROMIUM (TOTAL)	10		0.143	0.143	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-13D	S13DDA	10/21/1997	CL200.7	COBALT (TOTAL)	1.5		0.207	0.207	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	COPPER (TOTAL)	3.3		0.175	0.175	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	IRON (TOTAL)	4820	J	3.25	3.25	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	LEAD (TOTAL)	2.4		0.271	0.271	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	MAGNESIUM (TOTAL)	571		14.2	14.2	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	MANGANESE (TOTAL)	75.8		0.0637	0.0637	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	NICKEL (TOTAL)	3		0.143	0.143	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	POTASSIUM (TOTAL)	365		30.8	30.8	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	VANADIUM (TOTAL)	4.2		0.191	0.191	mg/Kg
MW-13D	S13DDA	10/21/1997	CL200.7	ZINC (TOTAL)	9.6		0.303	0.303	mg/Kg
MW-13D	S13DDA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	3.1	3.1	mg/Kg
MW-13D	S13DDA	10/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.04	0.04	mg/Kg
MW-13D	S13DDA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.1	J	96.1	96.1	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	ALUMINUM (TOTAL)	2330		3.86	3.86	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	ARSENIC (TOTAL)	1.9		0.441	0.441	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	BARIUM (TOTAL)	9.5		0.634	0.634	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	BERYLLIUM (TOTAL)	0.14		0.0176	0.0176	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	CALCIUM (TOTAL)	370		15.7	15.7	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	CHROMIUM (TOTAL)	4.7		0.159	0.159	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	COBALT (TOTAL)	2.7		0.229	0.229	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	COPPER (TOTAL)	4		0.194	0.194	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	IRON (TOTAL)	6230	J	3.59	3.59	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	LEAD (TOTAL)	3.2		0.3	0.3	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	MAGNESIUM (TOTAL)	1080		15.7	15.7	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	MANGANESE (TOTAL)	119		0.0705	0.0705	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	NICKEL (TOTAL)	4.2		0.159	0.159	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	POTASSIUM (TOTAL)	535		34	34	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	VANADIUM (TOTAL)	7.3		0.211	0.211	mg/Kg
MW-13D	S13DEA	10/21/1997	CL200.7	ZINC (TOTAL)	18.3		0.335	0.335	mg/Kg
MW-13D	S13DEA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	2.3	J	2.3	2.3	mg/Kg
MW-13D	S13DEA	10/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.04	0.04	mg/Kg
MW-13D	S13DEA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	104	J	104	104	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	ALUMINUM (TOTAL)	1650		3.33	3.33	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	ARSENIC (TOTAL)	0.73	J	0.38	0.38	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	BARIUM (TOTAL)	5.4		0.547	0.547	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	CALCIUM (TOTAL)	263		13.6	13.6	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	CHROMIUM (TOTAL)	3.1		0.137	0.137	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	COBALT (TOTAL)	1.6		0.198	0.198	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	IRON (TOTAL)	4670		3.1	3.1	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	LEAD (TOTAL)	1.9		0.259	0.259	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	MAGNESIUM (TOTAL)	693		13.5	13.5	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	MANGANESE (TOTAL)	67.4		0.0608	0.0608	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	NICKEL (TOTAL)	3.3		0.137	0.137	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	POTASSIUM (TOTAL)	327		29.4	29.4	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-13D	S13DFA	10/21/1997	CL200.7	VANADIUM (TOTAL)	4.6		0.183	0.183	mg/Kg
MW-13D	S13DFA	10/21/1997	CL200.7	ZINC (TOTAL)	8.8	J	0.289	0.289	mg/Kg
MW-13D	S13DFA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	3	J	3	3	mg/Kg
MW-13D	S13DFA	10/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg
MW-13D	S13DFA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	63.5	J	63.5	63.5	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	ALUMINUM (TOTAL)	2540		3.24	3.24	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	ARSENIC (TOTAL)	1.1	J	0.37	0.37	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	BARIUM (TOTAL)	11.5		0.533	0.533	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	CALCIUM (TOTAL)	545		13.2	13.2	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	CHROMIUM (TOTAL)	6.8		0.133	0.133	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	COBALT (TOTAL)	2.3		0.192	0.192	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	COPPER (TOTAL)	3.6		0.163	0.163	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	IRON (TOTAL)	5660		3.02	3.02	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	LEAD (TOTAL)	3.3		0.252	0.252	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	MAGNESIUM (TOTAL)	1100		13.2	13.2	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	MANGANESE (TOTAL)	110		0.0592	0.0592	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	NICKEL (TOTAL)	4		0.133	0.133	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	POTASSIUM (TOTAL)	800		28.6	28.6	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	VANADIUM (TOTAL)	5.3		0.178	0.178	mg/Kg
MW-13D	S13DGA	10/21/1997	CL200.7	ZINC (TOTAL)	21.6		0.281	0.281	mg/Kg
MW-13D	S13DGA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	3.8	J	3.8	3.8	mg/Kg
MW-13D	S13DGA	10/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg
MW-13D	S13DGA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	115	J	115	115	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	ALUMINUM (TOTAL)	3440		3.77	3.77	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	ARSENIC (TOTAL)	0.9	J	0.431	0.431	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	BARIUM (TOTAL)	12.7		0.62	0.62	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	CALCIUM (TOTAL)	713		15.4	15.4	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	CHROMIUM (TOTAL)	7.8		0.155	0.155	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	COBALT (TOTAL)	3.1		0.224	0.224	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	COPPER (TOTAL)	6.8		0.189	0.189	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	IRON (TOTAL)	8260		3.51	3.51	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	LEAD (TOTAL)	3.5		0.293	0.293	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	MAGNESIUM (TOTAL)	1530		15.3	15.3	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	MANGANESE (TOTAL)	108		0.0689	0.0689	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	NICKEL (TOTAL)	6.2		0.155	0.155	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	POTASSIUM (TOTAL)	642		33.3	33.3	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	VANADIUM (TOTAL)	8.8		0.207	0.207	mg/Kg
MW-13D	S13DHA	10/21/1997	CL200.7	ZINC (TOTAL)	20.1		0.327	0.327	mg/Kg
MW-13D	S13DHA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	3	J	3	3	mg/Kg
MW-13D	S13DHA	10/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.03	0.03	mg/Kg
MW-13D	S13DHA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	118	J	118	118	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	ALUMINUM (TOTAL)	2010		4.28	4.28	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	ARSENIC (TOTAL)	2.1		0.488	0.488	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	BARIUM (TOTAL)	8		0.703	0.703	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-13D	S13DIA	10/21/1997	CL200.7	BERYLLIUM (TOTAL)	0.12		0.0195	0.0195	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	CALCIUM (TOTAL)	333		17.4	17.4	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	CHROMIUM (TOTAL)	7.8		0.176	0.176	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	COBALT (TOTAL)	1.5		0.254	0.254	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	COPPER (TOTAL)	3.8		0.215	0.215	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	IRON (TOTAL)	4970	J	3.98	3.98	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	LEAD (TOTAL)	3.1		0.332	0.332	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	MAGNESIUM (TOTAL)	748		17.4	17.4	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	MANGANESE (TOTAL)	46.1		0.0781	0.0781	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	NICKEL (TOTAL)	2.9		0.176	0.176	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	POTASSIUM (TOTAL)	481		37.7	37.7	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	VANADIUM (TOTAL)	6.6		0.234	0.234	mg/Kg
MW-13D	S13DIA	10/21/1997	CL200.7	ZINC (TOTAL)	11.1		0.371	0.371	mg/Kg
MW-13D	S13DIA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	2.9	J	2.9	2.9	mg/Kg
MW-13D	S13DIA	10/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.11		0.11	0.11	mg/Kg
MW-13D	S13DIA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101	J	101	101	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	ALUMINUM (TOTAL)	888		3.86	3.86	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	ARSENIC (TOTAL)	1.6	J	0.441	0.441	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	BARIUM (TOTAL)	3.4		0.635	0.635	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	CALCIUM (TOTAL)	134		15.7	15.7	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	CHROMIUM (TOTAL)	5		0.159	0.159	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	COBALT (TOTAL)	0.96		0.229	0.229	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	COPPER (TOTAL)	2.8		0.194	0.194	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	IRON (TOTAL)	3640		3.6	3.6	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	LEAD (TOTAL)	1.7		0.3	0.3	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	MAGNESIUM (TOTAL)	288		15.7	15.7	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	MANGANESE (TOTAL)	27.3		0.0706	0.0706	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	NICKEL (TOTAL)	2.1		0.159	0.159	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	POTASSIUM (TOTAL)	276		34.1	34.1	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	SILVER (TOTAL)	0.31	J	0.194	0.194	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	SODIUM (TOTAL)	114	J	75.9	75.9	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	VANADIUM (TOTAL)	4.7		0.212	0.212	mg/Kg
MW-13D	S13DJA	10/21/1997	CL200.7	ZINC (TOTAL)	5.5	J	0.335	0.335	mg/Kg
MW-13D	S13DJA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	3.1	3.1	mg/Kg
MW-13D	S13DJA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	94.2	J	94.2	94.2	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	ALUMINUM (TOTAL)	15000		3.4	20.4964	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	ARSENIC (TOTAL)	4.5		0.47	1.0248	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	BARIUM (TOTAL)	10.5	J	1.2	20.4964	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.031	0.5124	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	BORON (TOTAL)	2.3	J	0.31	10.2482	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	CADMIUM (TOTAL)	0.24	J	0.061	0.5124	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	CALCIUM (TOTAL)	57.4	J	14	512.4106	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	CHROMIUM (TOTAL)	14.3		0.11	1.0248	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	COBALT (TOTAL)	2.5	J	0.17	5.1241	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-347	MW-347-S01	8/16/2004	SW6010B	COPPER (TOTAL)	2.2	J	0.27	2.5621	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	IRON (TOTAL)	16000		5.5	10.2482	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	LEAD (TOTAL)	7.3		0.15	0.3074	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	MAGNESIUM (TOTAL)	884		14.4	512.4106	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	MANGANESE (TOTAL)	39.4		0.051	1.5372	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	NICKEL (TOTAL)	4.9		0.16	4.0993	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	POTASSIUM (TOTAL)	336	J	20.1	512.4106	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	SELENIUM (TOTAL)	1		0.33	0.5124	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	SILVER (TOTAL)	0.18	J	0.1	1.0248	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	SODIUM (TOTAL)	335	J	29.9	512.4106	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	VANADIUM (TOTAL)	22		0.16	5.1241	mg/Kg
MW-347	MW-347-S01	8/16/2004	SW6010B	ZINC (TOTAL)	12.5		0.6	2.0496	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	ALUMINUM (TOTAL)	13900		3.4	20.4315	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	ARSENIC (TOTAL)	5.2		0.47	1.0216	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	BARIUM (TOTAL)	18.7	J	1.2	20.4315	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.031	0.5108	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	BORON (TOTAL)	2.8	J	0.31	10.2158	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	CADMIUM (TOTAL)	0.19	J	0.061	0.5108	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	CALCIUM (TOTAL)	82.5	J	14	510.7878	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	CHROMIUM (TOTAL)	15.9		0.11	1.0216	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	COBALT (TOTAL)	5.5		0.17	5.1079	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	COPPER (TOTAL)	5.1		0.27	2.5539	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	IRON (TOTAL)	15800		5.5	10.2158	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	LEAD (TOTAL)	7.4		0.15	0.3065	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	MAGNESIUM (TOTAL)	2170		14.4	510.7878	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	MANGANESE (TOTAL)	89.4		0.051	1.5324	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	NICKEL (TOTAL)	8.6		0.16	4.0863	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	POTASSIUM (TOTAL)	594		20.1	510.7878	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	SELENIUM (TOTAL)	0.54		0.33	0.5108	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	SILVER (TOTAL)	0.13	J	0.1	1.0216	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	SODIUM (TOTAL)	421	J	29.8	510.7878	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	VANADIUM (TOTAL)	20.9		0.16	5.1079	mg/Kg
MW-347	MW-347-S02	8/16/2004	SW6010B	ZINC (TOTAL)	19.5		0.6	2.0432	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	ALUMINUM (TOTAL)	4260		3.2	19.7589	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	ARSENIC (TOTAL)	1.6		0.45	0.9879	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	BARIUM (TOTAL)	14	J	1.2	19.7589	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.03	0.494	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	BORON (TOTAL)	0.67	J	0.3	9.8795	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	CADMIUM (TOTAL)	0.19	J	0.059	0.494	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	CALCIUM (TOTAL)	452	J	13.5	493.9735	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	CHROMIUM (TOTAL)	9.7		0.11	0.9879	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	COBALT (TOTAL)	4.1	J	0.17	4.9397	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	COPPER (TOTAL)	8.8		0.26	2.4699	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	IRON (TOTAL)	11800		5.3	9.8795	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
MW-347	MW-347-S03	8/16/2004	SW6010B	LEAD (TOTAL)	4.1		0.15	0.2964	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	MAGNESIUM (TOTAL)	2290		13.9	493.9735	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	MANGANESE (TOTAL)	214		0.049	1.4819	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	MOLYBDENUM (TOTAL)	1.2		0.14	0.9879	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	NICKEL (TOTAL)	7.7		0.16	3.9518	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	POTASSIUM (TOTAL)	806		19.4	493.9735	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	SILVER (TOTAL)	0.12	J	0.099	0.9879	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	SODIUM (TOTAL)	222	J	28.8	493.9735	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	VANADIUM (TOTAL)	11.2		0.16	4.9397	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW6010B	ZINC (TOTAL)	26.8		0.58	1.9759	mg/Kg
MW-347	MW-347-S03	8/16/2004	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	460		95.4	340	ug/Kg
SS10700-A	04483	5/15/2003	CL200.7	ALUMINUM (TOTAL)	15600		5.7	44	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	ARSENIC (TOTAL)	6		0.68	2.2	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	BARIUM (TOTAL)	31.1	J	0.066	44	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.53	J	0.022	1.1	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	BORON (TOTAL)	5		0.24	3.3	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	CADMIUM (TOTAL)	3.6		0.066	1.1	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	CALCIUM (TOTAL)	244	J	9.1	1100	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	CHROMIUM (TOTAL)	22.1		0.13	2.2	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	COBALT (TOTAL)	4	J	0.11	11	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	COPPER (TOTAL)	9		0.18	5.5	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	IRON (TOTAL)	20700		6.2	22	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	LEAD (TOTAL)	10.4		0.33	0.66	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	2990		7.8	1100	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.72	J	0.29	1.1	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	NICKEL (TOTAL)	10.1		0.29	8.8	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	POTASSIUM (TOTAL)	959	J	2.9	1100	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	SODIUM (TOTAL)	77.3	J	25.6	1100	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	THALLIUM (TOTAL)	1	J	0.7	2.2	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	VANADIUM (TOTAL)	29.7		0.15	11	mg/Kg
SS10700-A	04483	5/15/2003	CL200.7	ZINC (TOTAL)	33.4		0.42	4.4	mg/Kg
SS10700-A	04483	5/15/2003	CL245.1	MERCURY (TOTAL)	0.021	J	0.017	0.034	mg/Kg
SS10700-A	04483	5/15/2003	SW8270C	BENZO(A)PYRENE	110	J	36	450	ug/Kg
SS10700-A	04483	5/15/2003	SW8270C	DI-N-BUTYL PHTHALATE	66	J	57	450	ug/Kg
SS10700-A	04483	5/15/2003	SW8270C	HEXACHLOROBENZENE	70	J	34	450	ug/Kg
SS10700-A	04483	5/15/2003	SW8270C	HEXACHLOROETHANE	68	J	38	450	ug/Kg
SS10700-A	04483	5/15/2003	SW8270C	INDENO(1,2,3-C,D)PYRENE	73	J	44	450	ug/Kg
SS10700-A	04483	5/15/2003	SW8270C	PYRENE	85	J	83	450	ug/Kg
SS10700-A	04497	5/15/2003	CL200.7	ALUMINUM (TOTAL)	17000		5.3	41.6	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	ARSENIC (TOTAL)	5.2		0.64	2.1	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	BARIUM (TOTAL)	23.5	J	0.062	41.6	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.44	J	0.021	1	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	BORON (TOTAL)	4.1		0.23	3.1	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	CADMIUM (TOTAL)	0.91	J	0.062	1	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS10700-A	04497	5/15/2003	CL200.7	CALCIUM (TOTAL)	172	J	8.6	1040	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	CHROMIUM (TOTAL)	21.2		0.12	2.1	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	COBALT (TOTAL)	4.2	J	0.1	10.4	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	COPPER (TOTAL)	24.1		0.17	5.2	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	IRON (TOTAL)	16100		5.9	20.8	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	LEAD (TOTAL)	11.5		0.31	0.62	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	2640		7.4	1040	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.47	J	0.27	1	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	NICKEL (TOTAL)	9.8		0.27	8.3	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	POTASSIUM (TOTAL)	777	J	2.7	1040	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	SODIUM (TOTAL)	92.9	J	24.2	1040	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	VANADIUM (TOTAL)	27.8		0.15	10.4	mg/Kg
SS10700-A	04497	5/15/2003	CL200.7	ZINC (TOTAL)	49.8		0.39	4.2	mg/Kg
SS10700-A	04497	5/15/2003	CL245.1	MERCURY (TOTAL)	0.021	J	0.016	0.032	mg/Kg
SS10700-A	04497	5/15/2003	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	47	J	45	410	ug/Kg
SS10700-A	04497	5/15/2003	SW8270C	DI-N-BUTYL PHTHALATE	56	J	52	410	ug/Kg
SS10701-A	04485	5/15/2003	CL200.7	ALUMINUM (TOTAL)	13900		5.4	42.3	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	ARSENIC (TOTAL)	5.2		0.66	2.1	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	BARIUM (TOTAL)	19.7	J	0.063	42.3	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.26	J	0.021	1.1	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	BORON (TOTAL)	3.2		0.23	3.2	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	CADMIUM (TOTAL)	31.7		0.063	1.1	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	CALCIUM (TOTAL)	256	J	8.8	1060	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	CHROMIUM (TOTAL)	17.1		0.13	2.1	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	COBALT (TOTAL)	2.3	J	0.11	10.6	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	COPPER (TOTAL)	5.2	J	0.17	5.3	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	IRON (TOTAL)	15100		6	21.2	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	LEAD (TOTAL)	17.7		0.32	0.63	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	1400		7.5	1060	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.86	J	0.28	1.1	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	NICKEL (TOTAL)	6.4	J	0.28	8.5	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	POTASSIUM (TOTAL)	483	J	2.8	1060	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	SELENIUM (TOTAL)	0.72	J	0.59	1.1	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	SODIUM (TOTAL)	84.3	J	24.6	1060	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	VANADIUM (TOTAL)	23.5		0.15	10.6	mg/Kg
SS10701-A	04485	5/15/2003	CL200.7	ZINC (TOTAL)	19.7		0.4	4.2	mg/Kg
SS10701-A	04485	5/15/2003	CL245.1	MERCURY (TOTAL)	0.029	J	0.017	0.033	mg/Kg
SS10701-A	04485	5/15/2003	SW8270C	DI-N-BUTYL PHTHALATE	70	J	54	420	ug/Kg
SS10701-A	04498	5/15/2003	CL200.7	ALUMINUM (TOTAL)	16400		4.8	37.6	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	ARSENIC (TOTAL)	4.6		0.58	1.9	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	BARIUM (TOTAL)	15.3	J	0.056	37.6	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.33	J	0.019	0.94	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	BORON (TOTAL)	3.5		0.21	2.8	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	CADMIUM (TOTAL)	0.24	J	0.056	0.94	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS10701-A	04498	5/15/2003	CL200.7	CALCIUM (TOTAL)	147	J	7.8	941	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	CHROMIUM (TOTAL)	19.4		0.11	1.9	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	COBALT (TOTAL)	3.3	J	0.094	9.4	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	COPPER (TOTAL)	20.3		0.15	4.7	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	IRON (TOTAL)	15700		5.3	18.8	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	LEAD (TOTAL)	12		0.28	0.56	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	2070		6.7	941	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.53	J	0.24	0.94	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	NICKEL (TOTAL)	8.4		0.24	7.5	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	POTASSIUM (TOTAL)	598	J	2.4	941	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	SODIUM (TOTAL)	57.8	J	21.9	941	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	VANADIUM (TOTAL)	24.4		0.13	9.4	mg/Kg
SS10701-A	04498	5/15/2003	CL200.7	ZINC (TOTAL)	46		0.36	3.8	mg/Kg
SS10701-A	04498	5/15/2003	CL245.1	MERCURY (TOTAL)	0.025	J	0.016	0.032	mg/Kg
SS10701-A	04498	5/15/2003	SW8270C	DI-N-BUTYL PHTHALATE	71	J	51	400	ug/Kg
SS10702-A	04487	5/15/2003	CL200.7	ALUMINUM (TOTAL)	9740		5.1	40	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	ARSENIC (TOTAL)	3.5		0.62	2	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	BARIUM (TOTAL)	19	J	0.06	40	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.23	J	0.02	1	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	BORON (TOTAL)	3.5		0.22	3	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	CADMIUM (TOTAL)	5.4		0.06	1	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	CALCIUM (TOTAL)	293	J	8.3	1000	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	CHROMIUM (TOTAL)	15.5		0.12	2	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	COBALT (TOTAL)	1.7	J	0.1	10	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	COPPER (TOTAL)	6.1		0.16	5	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	IRON (TOTAL)	13900		5.7	20	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	LEAD (TOTAL)	14.7		0.3	0.6	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	1110		7.1	1000	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.57	J	0.26	1	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	NICKEL (TOTAL)	5.8	J	0.26	8	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	POTASSIUM (TOTAL)	435	J	2.6	1000	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	SELENIUM (TOTAL)	0.68	J	0.56	1	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	SODIUM (TOTAL)	88.5	J	23.3	1000	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	VANADIUM (TOTAL)	21.1		0.14	10	mg/Kg
SS10702-A	04487	5/15/2003	CL200.7	ZINC (TOTAL)	21.7		0.38	4	mg/Kg
SS10702-A	04487	5/15/2003	CL245.1	MERCURY (TOTAL)	0.037		0.017	0.035	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	ALUMINUM (TOTAL)	16900		5.1	39.4	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	ARSENIC (TOTAL)	4.7		0.61	2	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	BARIUM (TOTAL)	13.3	J	0.059	39.4	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.26	J	0.02	0.99	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	BORON (TOTAL)	2.5	J	0.22	3	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	CALCIUM (TOTAL)	115	J	8.2	986	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	CHROMIUM (TOTAL)	19.2		0.12	2	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	COBALT (TOTAL)	2	J	0.099	9.9	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS10702-A	04499	5/15/2003	CL200.7	COPPER (TOTAL)	1.9	J	0.16	4.9	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	IRON (TOTAL)	15000		5.6	19.7	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	LEAD (TOTAL)	8.3		0.3	0.59	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	1200		7	986	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.75	J	0.26	0.99	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	NICKEL (TOTAL)	6.4	J	0.26	7.9	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	POTASSIUM (TOTAL)	431	J	2.6	986	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	SELENIUM (TOTAL)	0.81	J	0.55	0.99	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	SODIUM (TOTAL)	68	J	23	986	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	VANADIUM (TOTAL)	25.2		0.14	9.9	mg/Kg
SS10702-A	04499	5/15/2003	CL200.7	ZINC (TOTAL)	14.7		0.37	3.9	mg/Kg
SS10702-A	04499	5/15/2003	CL245.1	MERCURY (TOTAL)	0.023	J	0.015	0.031	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	ALUMINUM (TOTAL)	15600		5.6	43.6	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	ANTIMONY (TOTAL)	0.62	J	0.5	13.1	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	ARSENIC (TOTAL)	5.4		0.68	2.2	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	BARIUM (TOTAL)	22.1	J	0.065	43.6	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.4	J	0.022	1.1	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	BORON (TOTAL)	5.4		0.24	3.3	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	CADMIUM (TOTAL)	1.8		0.065	1.1	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	CALCIUM (TOTAL)	244	J	9	1090	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	CHROMIUM (TOTAL)	27		0.13	2.2	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	COBALT (TOTAL)	3.3	J	0.11	10.9	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	COPPER (TOTAL)	5.8		0.17	5.5	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	IRON (TOTAL)	19300		6.2	21.8	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	LEAD (TOTAL)	10.6		0.33	0.65	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	1780		7.7	1090	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.89	J	0.28	1.1	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	NICKEL (TOTAL)	8.1	J	0.28	8.7	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	POTASSIUM (TOTAL)	607	J	2.8	1090	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	SODIUM (TOTAL)	81.8	J	25.4	1090	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	VANADIUM (TOTAL)	24.6		0.15	10.9	mg/Kg
SS10703-A	04489	5/15/2003	CL200.7	ZINC (TOTAL)	30.4		0.41	4.4	mg/Kg
SS10703-A	04489	5/15/2003	CL245.1	MERCURY (TOTAL)	0.027	J	0.016	0.032	mg/Kg
SS10703-A	04489	5/15/2003	SW8270C	DI-N-BUTYL PHTHALATE	66	J	55	430	ug/Kg
SS10703-A	04490	5/15/2003	CL200.7	ALUMINUM (TOTAL)	16400		5.3	41.5	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	ANTIMONY (TOTAL)	0.54	J	0.48	12.5	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	ARSENIC (TOTAL)	5.6		0.64	2.1	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	BARIUM (TOTAL)	22.6	J	0.062	41.5	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.42	J	0.021	1	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	BORON (TOTAL)	4.1		0.23	3.1	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	CADMIUM (TOTAL)	1.7		0.062	1	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	CALCIUM (TOTAL)	251	J	8.6	1040	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	CHROMIUM (TOTAL)	24.3		0.12	2.1	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	COBALT (TOTAL)	3.4	J	0.1	10.4	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS10703-A	04490	5/15/2003	CL200.7	COPPER (TOTAL)	5	J	0.17	5.2	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	IRON (TOTAL)	19100		5.9	20.8	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	LEAD (TOTAL)	10.9		0.31	0.62	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	1890		7.4	1040	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.72	J	0.27	1	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	NICKEL (TOTAL)	8.3	J	0.27	8.3	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	POTASSIUM (TOTAL)	656	J	2.7	1040	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	SODIUM (TOTAL)	77.6	J	24.2	1040	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	THALLIUM (TOTAL)	0.79	J	0.66	2.1	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	VANADIUM (TOTAL)	25.9		0.15	10.4	mg/Kg
SS10703-A	04490	5/15/2003	CL200.7	ZINC (TOTAL)	30.2		0.39	4.2	mg/Kg
SS10703-A	04490	5/15/2003	CL245.1	MERCURY (TOTAL)	0.024	J	0.017	0.035	mg/Kg
SS10703-A	04490	5/15/2003	SW8270C	BENZO(G,H,I)PERYLENE	110	J	53	430	ug/Kg
SS10703-A	04500	5/15/2003	CL200.7	ALUMINUM (TOTAL)	18600		5.5	42.9	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	ANTIMONY (TOTAL)	0.6	J	0.49	12.9	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	ARSENIC (TOTAL)	5.6		0.67	2.1	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	BARIUM (TOTAL)	19.5	J	0.064	42.9	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.43	J	0.021	1.1	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	BORON (TOTAL)	3.8		0.24	3.2	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	CADMIUM (TOTAL)	5.8		0.064	1.1	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	CALCIUM (TOTAL)	176	J	8.9	1070	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	CHROMIUM (TOTAL)	22.6		0.13	2.1	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	COBALT (TOTAL)	4	J	0.11	10.7	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	COPPER (TOTAL)	152		0.17	5.4	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	IRON (TOTAL)	18000		6.1	21.5	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	LEAD (TOTAL)	16.3		0.32	0.64	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	2190		7.6	1070	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.7	J	0.28	1.1	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	NICKEL (TOTAL)	9.9		0.28	8.6	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	POTASSIUM (TOTAL)	711	J	2.8	1070	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	SILVER (TOTAL)	1.3	J	0.15	2.1	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	SODIUM (TOTAL)	106	J	25	1070	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	VANADIUM (TOTAL)	28.2		0.15	10.7	mg/Kg
SS10703-A	04500	5/15/2003	CL200.7	ZINC (TOTAL)	244		0.41	4.3	mg/Kg
SS10703-A	04500	5/15/2003	CL245.1	MERCURY (TOTAL)	0.017	J	0.016	0.033	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	ALUMINUM (TOTAL)	8010		6.9	53.5	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	ARSENIC (TOTAL)	5.6		0.83	2.7	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	BARIUM (TOTAL)	35.9	J	0.08	53.5	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.17	J	0.027	1.3	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	BORON (TOTAL)	3.9	J	0.29	4	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	CADMIUM (TOTAL)	0.2	J	0.08	1.3	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	CALCIUM (TOTAL)	576	J	11.1	1340	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	CHROMIUM (TOTAL)	10		0.16	2.7	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	COBALT (TOTAL)	0.8	J	0.13	13.4	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS10704-A	04492	5/15/2003	CL200.7	COPPER (TOTAL)	5.9	J	0.21	6.7	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	IRON (TOTAL)	11600		7.6	26.8	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	LEAD (TOTAL)	39.6		0.4	0.8	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	756	J	9.5	1340	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.73	J	0.35	1.3	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	NICKEL (TOTAL)	35		0.35	10.7	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	POTASSIUM (TOTAL)	479	J	3.5	1340	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	SELENIUM (TOTAL)	1.6		0.75	1.3	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	SODIUM (TOTAL)	125	J	31.1	1340	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	VANADIUM (TOTAL)	33.4		0.19	13.4	mg/Kg
SS10704-A	04492	5/15/2003	CL200.7	ZINC (TOTAL)	19.1		0.51	5.4	mg/Kg
SS10704-A	04492	5/15/2003	CL245.1	MERCURY (TOTAL)	0.11		0.022	0.044	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	ALUMINUM (TOTAL)	16700		5.5	43.2	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	ARSENIC (TOTAL)	5.7		0.67	2.2	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	BARIUM (TOTAL)	22.7	J	0.065	43.2	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	BERYLLIUM (TOTAL)	0.45	J	0.022	1.1	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	CADMIUM (TOTAL)	5.5		0.065	1.1	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	CALCIUM (TOTAL)	201	J	8.9	1080	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	CHROMIUM (TOTAL)	18.2		0.13	2.2	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	COBALT (TOTAL)	1.4	J	0.11	10.8	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	COPPER (TOTAL)	1840		0.17	5.4	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	IRON (TOTAL)	16000		6.1	21.6	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	LEAD (TOTAL)	462		0.32	0.65	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	MAGNESIUM (TOTAL)	784	J	7.6	1080	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	MOLYBDENUM (TOTAL)	0.94	J	0.28	1.1	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	NICKEL (TOTAL)	121		0.28	8.6	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	POTASSIUM (TOTAL)	451	J	2.8	1080	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	SELENIUM (TOTAL)	2.5		0.6	1.1	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	SILVER (TOTAL)	0.19	J	0.15	2.2	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	SODIUM (TOTAL)	78.7	J	25.1	1080	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	VANADIUM (TOTAL)	30.1		0.15	10.8	mg/Kg
SS10704-A	04501	5/15/2003	CL200.7	ZINC (TOTAL)	82		0.41	4.3	mg/Kg
SS10704-A	04501	5/15/2003	CL245.1	MERCURY (TOTAL)	0.07		0.021	0.041	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	ALUMINUM (TOTAL)	16600		3.9	3.9	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	ARSENIC (TOTAL)	7.1		0.44	0.44	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	BARIUM (TOTAL)	22.6		1.5	1.5	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.4		0.038	0.038	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	CADMIUM (TOTAL)	1.1		0.063	0.063	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	CALCIUM (TOTAL)	170		41	41	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	CHROMIUM (TOTAL)	20.8		0.16	0.16	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	COBALT (TOTAL)	3.9		0.39	0.39	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	COPPER (TOTAL)	66.9		0.25	0.25	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	IRON (TOTAL)	23700		3.8	3.8	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	LEAD (TOTAL)	21.9		0.35	0.35	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	MAGNESIUM (TOTAL)	2310		38.8	38.8	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	MANGANESE (TOTAL)	94.8		0.13	0.13	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	NICKEL (TOTAL)	7.9		0.35	0.35	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	POTASSIUM (TOTAL)	698		65.9	65.9	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	SELENIUM (TOTAL)	0.45		0.38	0.38	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	SODIUM (TOTAL)	486		63.4	63.4	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	THALLIUM (TOTAL)	0.69		0.64	0.64	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	VANADIUM (TOTAL)	27.7		0.48	0.48	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW6010B	ZINC (TOTAL)	22.9		0.25	0.25	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW7471	MERCURY (TOTAL)	0.025		0.021	0.021	mg/Kg
SS15129-A	ECC111703BRT01 (post)	11/20/2003	SW9010	CYANIDE	0.51		0.49	0.49	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	ALUMINUM	15700		3.6	3.6	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	ARSENIC	6.1		0.41	0.41	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	BARIUM	21.6		1.4	1.4	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	BERYLLIUM	0.31		0.035	0.035	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	CADMIUM	25.5		0.058	0.058	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	CALCIUM	218		38	38	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	CHROMIUM, TOTAL	19.5		0.15	0.15	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	COBALT	3.5		0.36	0.36	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	COPPER	5.2		0.23	0.23	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	IRON	17300		3.5	3.5	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	LEAD	9.6		0.33	0.33	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	MAGNESIUM	2090		35.9	35.9	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	MANGANESE	86.6		0.12	0.12	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	NICKEL	7.4		0.33	0.33	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	POTASSIUM	777		61	61	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	SODIUM	407		58.6	58.6	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	VANADIUM	26.5		0.44	0.44	mg/Kg
SS15129-A	ECC111703BRT01 (pre)	11/20/2003	SW6010B	ZINC	20.6		0.23	0.23	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	ALUMINUM (TOTAL)	17200		3.9	3.9	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	ARSENIC (TOTAL)	6.6		0.44	0.44	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	BARIUM (TOTAL)	18.2		1.5	1.5	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.38		0.038	0.038	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	CADMIUM (TOTAL)	0.51		0.063	0.063	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	CALCIUM (TOTAL)	188		41.1	41.1	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	CHROMIUM (TOTAL)	19.5		0.16	0.16	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	COBALT (TOTAL)	3.7		0.39	0.39	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	COPPER (TOTAL)	71.4		0.25	0.25	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	IRON (TOTAL)	18000		3.8	3.8	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	LEAD (TOTAL)	32.9		0.35	0.35	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	MAGNESIUM (TOTAL)	2150		38.9	38.9	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	MANGANESE (TOTAL)	89.7		0.13	0.13	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	NICKEL (TOTAL)	7.7		0.35	0.35	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	POTASSIUM (TOTAL)	671		66.1	66.1	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	SELENIUM (TOTAL)	0.92		0.38	0.38	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	SODIUM (TOTAL)	420		63.6	63.6	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	VANADIUM (TOTAL)	27.1		0.48	0.48	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW6010B	ZINC (TOTAL)	22.7		0.25	0.25	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW7471	MERCURY (TOTAL)	0.024		0.02	0.02	mg/Kg
SS15130-A	ECC111703BRT02 (post)	11/20/2003	SW9010	CYANIDE	5.3		0.63	0.63	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	ALUMINUM	15500		3	3	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	ARSENIC	5.6		0.35	0.35	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	BARIUM	24.8		1.2	1.2	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	BERYLLIUM	0.45		0.03	0.03	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	CADMIUM	12.1		0.05	0.05	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	CALCIUM	242		32.3	32.3	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	CHROMIUM, TOTAL	19.3		0.13	0.13	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	COBALT	4		0.31	0.31	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	COPPER	6.3		0.2	0.2	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	IRON	16600		3	3	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	LEAD	8.8		0.28	0.28	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	MAGNESIUM	2420		30.5	30.5	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	MANGANESE	101		0.099	0.099	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	NICKEL	8		0.28	0.28	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	POTASSIUM	759		51.8	51.8	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	SODIUM	457		49.8	49.8	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	VANADIUM	26		0.38	0.38	mg/Kg
SS15130-A	ECC111703BRT02 (pre)	11/20/2003	SW6010B	ZINC	23.1		0.2	0.2	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	ALUMINUM (TOTAL)	16100		3.5	3.5	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	ARSENIC (TOTAL)	5		0.4	0.4	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	BARIUM (TOTAL)	19.7		1.3	1.3	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.27		0.034	0.034	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	CADMIUM (TOTAL)	0.6		0.057	0.057	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	CALCIUM (TOTAL)	152		37.2	37.2	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	CHROMIUM (TOTAL)	20.1		0.15	0.15	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	COBALT (TOTAL)	2		0.35	0.35	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	COPPER (TOTAL)	54.3		0.23	0.23	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	IRON (TOTAL)	18300		3.4	3.4	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	LEAD (TOTAL)	24.4		0.32	0.32	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	MAGNESIUM (TOTAL)	1520		35.2	35.2	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	MANGANESE (TOTAL)	68.8		0.11	0.11	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	NICKEL (TOTAL)	5.8		0.32	0.32	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	POTASSIUM (TOTAL)	536		59.7	59.7	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	SELENIUM (TOTAL)	0.59		0.34	0.34	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	SODIUM (TOTAL)	349		57.5	57.5	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	VANADIUM (TOTAL)	26.1		0.43	0.43	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW6010B	ZINC (TOTAL)	22		0.23	0.23	mg/Kg
SS15131-A	ECC111703BRT03 (post)	11/20/2003	SW7471	MERCURY (TOTAL)	0.029		0.017	0.017	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	ALUMINUM	15900		3.9	3.9	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	ARSENIC	5.2		0.45	0.45	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	BARIUM	19.7		1.5	1.5	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	BERYLLIUM	0.33		0.038	0.038	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	CADMIUM	0.96		0.064	0.064	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	CALCIUM	165		41.7	41.7	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	CHROMIUM, TOTAL	18.9		0.17	0.17	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	COBALT	2.8		0.4	0.4	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	COPPER	4.4		0.26	0.26	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	IRON	16300		3.8	3.8	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	LEAD	9.3		0.36	0.36	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	MAGNESIUM	2010		39.4	39.4	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	MANGANESE	80.6		0.13	0.13	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	NICKEL	7.5		0.36	0.36	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	POTASSIUM	649		66.9	66.9	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	SELENIUM	0.48		0.38	0.38	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	SODIUM	434		64.4	64.4	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	VANADIUM	26		0.49	0.49	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW6010B	ZINC	21.4		0.26	0.26	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW7471	MERCURY	0.021		0.018	0.018	mg/Kg
SS15131-A	ECC111703BRT03 (pre)	11/20/2003	SW8270C	DI-N-BUTYL PHTHALATE	34	J	32.8	430	ug/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	ALUMINUM (TOTAL)	13600		3.4	3.4	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.39	0.39	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	BARIUM (TOTAL)	12.1		1.3	1.3	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.26		0.033	0.033	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	CADMIUM (TOTAL)	0.65		0.055	0.055	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	CALCIUM (TOTAL)	126		36	36	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	CHROMIUM (TOTAL)	14.2		0.14	0.14	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	COBALT (TOTAL)	2.4		0.34	0.34	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	COPPER (TOTAL)	7		0.22	0.22	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	IRON (TOTAL)	14100		3.3	3.3	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	LEAD (TOTAL)	8.4		0.31	0.31	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	MAGNESIUM (TOTAL)	1270		34	34	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	MANGANESE (TOTAL)	62.9		0.11	0.11	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	NICKEL (TOTAL)	5.2		0.31	0.31	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	POTASSIUM (TOTAL)	412		57.8	57.8	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	SELENIUM (TOTAL)	0.43		0.33	0.33	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	SODIUM (TOTAL)	312		55.6	55.6	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	VANADIUM (TOTAL)	20.4		0.42	0.42	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW6010B	ZINC (TOTAL)	22.1		0.22	0.22	mg/Kg
SS15132-A	ECC111703BRT04 (post)-01C	11/20/2003	SW7471	MERCURY (TOTAL)	0.026		0.019	0.019	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	ALUMINUM (TOTAL)	12700		3.6	3.6	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.41	0.41	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	BARIUM (TOTAL)	13.1		1.4	1.4	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.27		0.035	0.035	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	CADMIUM (TOTAL)	0.48		0.059	0.059	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	CALCIUM (TOTAL)	133		38.1	38.1	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	CHROMIUM (TOTAL)	14		0.15	0.15	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	COBALT (TOTAL)	2.7		0.36	0.36	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	COPPER (TOTAL)	8.4		0.23	0.23	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	IRON (TOTAL)	14100		3.5	3.5	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	LEAD (TOTAL)	8.2		0.33	0.33	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	MAGNESIUM (TOTAL)	1350		36	36	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	MANGANESE (TOTAL)	68.5		0.12	0.12	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	NICKEL (TOTAL)	5.7		0.33	0.33	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	POTASSIUM (TOTAL)	460		61.2	61.2	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	SELENIUM (TOTAL)	0.64		0.35	0.35	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	SODIUM (TOTAL)	324		58.9	58.9	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	VANADIUM (TOTAL)	21		0.45	0.45	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW6010B	ZINC (TOTAL)	22.8		0.23	0.23	mg/Kg
SS15132-A	ECC111703BRT04 (post)-02D	11/20/2003	SW7471	MERCURY (TOTAL)	0.021		0.018	0.018	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	ALUMINUM	10700		3.5	3.5	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	ARSENIC	4		0.4	0.4	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	BARIUM	12.5		1.3	1.3	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	BERYLLIUM	0.22		0.034	0.034	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	CADMIUM	10.7		0.057	0.057	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	CALCIUM	151		36.8	36.8	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	CHROMIUM, TOTAL	12.2		0.15	0.15	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	COBALT	2.4		0.35	0.35	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	COPPER	3.8		0.23	0.23	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	IRON	11500		3.4	3.4	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	LEAD	7.3		0.32	0.32	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	MAGNESIUM	1280		34.8	34.8	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	MANGANESE	66.3		0.11	0.11	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	NICKEL	4.8		0.32	0.32	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	POTASSIUM	406		59.1	59.1	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	SELENIUM	0.4		0.34	0.34	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	SODIUM	273		56.9	56.9	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	VANADIUM	17		0.43	0.43	mg/Kg
SS15132-A	ECC111703BRT04 (pre)	11/20/2003	SW6010B	ZINC	13.7		0.23	0.23	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	ALUMINUM (TOTAL)	14300		3.4	3.4	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	ARSENIC (TOTAL)	5.4		0.39	0.39	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	BARIUM (TOTAL)	14.5		1.3	1.3	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	BERYLLIUM (TOTAL)	0.31		0.033	0.033	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	CADMIUM (TOTAL)	2.9		0.056	0.056	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	CALCIUM (TOTAL)	140		36.2	36.2	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	CHROMIUM (TOTAL)	15.8		0.14	0.14	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	COBALT (TOTAL)	1.8		0.35	0.35	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	COPPER (TOTAL)	242		0.22	0.22	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	IRON (TOTAL)	16000		3.3	3.3	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	LEAD (TOTAL)	32.4		0.31	0.31	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	MAGNESIUM (TOTAL)	1290		34.2	34.2	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	MANGANESE (TOTAL)	70.6		0.11	0.11	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	NICKEL (TOTAL)	6.1		0.31	0.31	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	POTASSIUM (TOTAL)	506		58.1	58.1	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	SELENIUM (TOTAL)	0.97		0.33	0.33	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	SODIUM (TOTAL)	321		55.9	55.9	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	VANADIUM (TOTAL)	23.9		0.42	0.42	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW6010B	ZINC (TOTAL)	16.4		0.22	0.22	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW7471	MERCURY (TOTAL)	1.7		0.021	0.021	mg/Kg
SS15133-A	ECC111703BRT05 (post)	11/20/2003	SW8270C	CHLORONAPHTHALENE, (TOTAL)	18	J	7.8	40	ug/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	ALUMINUM	13100		3.2	3.2	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	ARSENIC	4.9		0.36	0.36	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	BARIUM	13.7		1.2	1.2	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	BERYLLIUM	0.29		0.031	0.031	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	CADMIUM	0.98		0.052	0.052	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	CALCIUM	165		33.7	33.7	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	CHROMIUM, TOTAL	14.5		0.13	0.13	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	COBALT	2.1		0.32	0.32	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	COPPER	5.4		0.21	0.21	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	IRON	14300		3.1	3.1	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	LEAD	8		0.29	0.29	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	MAGNESIUM	1470		31.8	31.8	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	MANGANESE	77.8		0.1	0.1	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	NICKEL	5.8		0.29	0.29	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	POTASSIUM	517		54.1	54.1	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	SODIUM	335		52	52	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	VANADIUM	22		0.39	0.39	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW6010B	ZINC	15.7		0.21	0.21	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW7471	MERCURY	0.051		0.018	0.018	mg/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW8330	1,3,5-TRINITROBENZENE	120		5.73	13	ug/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW8330	2-NITROTOLUENE	71		5.47	13	ug/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW8330	3-NITROTOLUENE	58		5.47	13	ug/Kg
SS15133-A	ECC111703BRT05 (pre)	11/20/2003	SW8330	NITROBENZENE	120		2	13	ug/Kg
SS346-A	T1-E1B	10/2/2003	SW8260B	ACETONE	120		1.27	5.2	ug/Kg
SS346-A	T1-E1B	10/2/2003	SW8260B	ACETONE	360	J	1.88	7.7	ug/Kg
SS346-A	T1-E1B	10/2/2003	SW8260B	METHYL ETHYL KETONE (2-BUTANONE)	13		1.06	7.7	ug/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	ALUMINUM (TOTAL)	8250		3	26.9	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.6	J	0.55	1.35	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	BARIUM (TOTAL)	24.6	J	1.5	26.9	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.19	J	0.054	0.67	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	BORON (TOTAL)	6.3	J	0.85	13.5	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS346-A	T1-E1B-01	10/2/2003	SW6010B	CALCIUM (TOTAL)	408	J	38.6	674	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	CHROMIUM (TOTAL)	10.2	J	0.15	1.35	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	COBALT (TOTAL)	1.5	J	0.39	6.74	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	COPPER (TOTAL)	7.1		0.3	3.37	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	IRON (TOTAL)	14000		3.7	13.5	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	LEAD (TOTAL)	40.2		0.19	0.4	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	561	J	40.5	674	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	MANGANESE (TOTAL)	33.6	J	0.16	2.02	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	MOLYBDENUM (TOTAL)	1.1	J	0.15	1.35	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	NICKEL (TOTAL)	5.3	J	0.32	5.39	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	POTASSIUM (TOTAL)	524	J	42.8	674	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.3	J	0.48	0.67	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	VANADIUM (TOTAL)	37.5		0.39	6.74	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW6010B	ZINC (TOTAL)	15.2		0.31	2.69	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW7471	MERCURY (TOTAL)	0.095		0.022	0.044	mg/Kg
SS346-A	T1-E1B-01	10/2/2003	SW8330	NITROGLYCERIN	4200		1216	2500	ug/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	ALUMINUM (TOTAL)	17100		2.7	24.2	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	ANTIMONY (TOTAL)	0.7	J	0.63	7.27	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.2	J	0.5	1.21	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	BARIUM (TOTAL)	14.7	J	1.4	24.2	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.048	0.61	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	BORON (TOTAL)	5.9	J	0.76	12.1	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	CALCIUM (TOTAL)	141	J	34.7	606	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	CHROMIUM (TOTAL)	16.7	J	0.13	1.21	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.35	6.06	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	COPPER (TOTAL)	3.3		0.27	3.03	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	IRON (TOTAL)	18700		3.4	12.1	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	LEAD (TOTAL)	13.3		0.17	0.36	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	755		36.4	606	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	MANGANESE (TOTAL)	33.9	J	0.15	1.82	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	MOLYBDENUM (TOTAL)	1	J	0.13	1.21	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	NICKEL (TOTAL)	5.1		0.29	4.84	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	POTASSIUM (TOTAL)	483	J	38.5	606	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	SELENIUM (TOTAL)	0.7	J	0.44	0.61	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	VANADIUM (TOTAL)	30.6		0.35	6.06	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW6010B	ZINC (TOTAL)	12		0.28	2.42	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW7471	MERCURY (TOTAL)	0.042		0.021	0.041	mg/Kg
SS346-A	T1-E1B-02	10/2/2003	SW8330	NITROGLYCERIN	3100		1104	2500	ug/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	ALUMINUM (TOTAL)	20800		2.3	21.2	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.6	J	0.43	1.06	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	BARIUM (TOTAL)	18	J	1.2	21.2	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.042	0.53	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	BORON (TOTAL)	6.3	J	0.67	10.6	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	CALCIUM (TOTAL)	154	J	30.3	529	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS346-A	T1-E1B-03	10/2/2003	SW6010B	CHROMIUM (TOTAL)	22.5	J	0.12	1.06	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	COBALT (TOTAL)	4.2	J	0.31	5.29	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	COPPER (TOTAL)	3.5		0.23	2.64	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	IRON (TOTAL)	19500		2.9	10.6	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	LEAD (TOTAL)	10.8		0.15	0.32	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1510		31.8	529	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	MANGANESE (TOTAL)	62.8	J	0.13	1.59	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	MOLYBDENUM (TOTAL)	1	J	0.12	1.06	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	NICKEL (TOTAL)	9		0.25	4.23	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	POTASSIUM (TOTAL)	652		33.6	529	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.5	J	0.38	0.53	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	THALLIUM (TOTAL)	0.52	J	0.39	1.06	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	VANADIUM (TOTAL)	30.3		0.31	5.29	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW6010B	ZINC (TOTAL)	16		0.24	2.12	mg/Kg
SS346-A	T1-E1B-03	10/2/2003	SW7471	MERCURY (TOTAL)	0.03	J	0.021	0.041	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	ALUMINUM (TOTAL)	6900		2.8	25.4	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	ANTIMONY (TOTAL)	0.9	J	0.66	7.63	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	ARSENIC (TOTAL)	4.8	J	0.52	1.27	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	BARIUM (TOTAL)	25.3	J	1.5	25.4	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.19	J	0.051	0.64	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	BORON (TOTAL)	5.3	J	0.8	12.7	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	CADMIUM (TOTAL)	0.099	J	0.064	0.64	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	CALCIUM (TOTAL)	379	J	36.5	636	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	CHROMIUM (TOTAL)	8.4	J	0.14	1.27	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	COBALT (TOTAL)	1.4	J	0.37	6.36	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	COPPER (TOTAL)	7.6		0.28	3.18	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	IRON (TOTAL)	13800		3.5	12.7	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	LEAD (TOTAL)	40.2		0.18	0.38	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	403	J	38.3	636	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	MANGANESE (TOTAL)	27.2	J	0.15	1.91	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	MOLYBDENUM (TOTAL)	1.1	J	0.14	1.27	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	NICKEL (TOTAL)	5	J	0.31	5.09	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	POTASSIUM (TOTAL)	415	J	40.4	636	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.2	J	0.46	0.64	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	THALLIUM (TOTAL)	0.48	J	0.47	1.27	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	VANADIUM (TOTAL)	33.8		0.37	6.36	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW6010B	ZINC (TOTAL)	14.4		0.29	2.54	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW7471	MERCURY (TOTAL)	0.08		0.022	0.044	mg/Kg
SS347-A	T1-E1A-01	10/2/2003	SW8330	NITROGLYCERIN	7300		1138	2500	ug/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	ALUMINUM (TOTAL)	18000		2.7	24.5	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	ARSENIC (TOTAL)	5	J	0.5	1.23	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	BARIUM (TOTAL)	13.5	J	1.4	24.5	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.049	0.61	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	BORON (TOTAL)	6.2	J	0.77	12.3	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS347-A	T1-E1A-02	10/2/2003	SW6010B	CALCIUM (TOTAL)	147	J	35.2	613	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	CHROMIUM (TOTAL)	16.3	J	0.13	1.23	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.36	6.13	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	COPPER (TOTAL)	2.8	J	0.27	3.07	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	IRON (TOTAL)	19400		3.4	12.3	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	LEAD (TOTAL)	12.3		0.17	0.37	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	753		36.9	613	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	MANGANESE (TOTAL)	33.9	J	0.15	1.84	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	NICKEL (TOTAL)	5.3		0.29	4.91	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	POTASSIUM (TOTAL)	491	J	39	613	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	SELENIUM (TOTAL)	1	J	0.44	0.61	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	THALLIUM (TOTAL)	0.58	J	0.45	1.23	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	VANADIUM (TOTAL)	31.8		0.36	6.13	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW6010B	ZINC (TOTAL)	12.3		0.28	2.45	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW7471	MERCURY (TOTAL)	0.046		0.021	0.041	mg/Kg
SS347-A	T1-E1A-02	10/2/2003	SW8330	NITROGLYCERIN	3300		1097	2500	ug/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	ALUMINUM (TOTAL)	21000		2.6	23.3	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	ARSENIC (TOTAL)	6	J	0.48	1.17	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	BARIUM (TOTAL)	16	J	1.3	23.3	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.047	0.58	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	BORON (TOTAL)	6.2	J	0.73	11.7	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	CALCIUM (TOTAL)	152	J	33.4	583	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	CHROMIUM (TOTAL)	22.5	J	0.13	1.17	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	COBALT (TOTAL)	4.5	J	0.34	5.83	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	COPPER (TOTAL)	3.4		0.26	2.91	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	IRON (TOTAL)	18800		3.2	11.7	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	LEAD (TOTAL)	10.4		0.16	0.35	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1650		35.1	583	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	MANGANESE (TOTAL)	65.6	J	0.14	1.75	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	NICKEL (TOTAL)	9.3		0.28	4.66	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	POTASSIUM (TOTAL)	626		37.1	583	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	SELENIUM (TOTAL)	0.78	J	0.42	0.58	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	THALLIUM (TOTAL)	0.53	J	0.43	1.17	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	VANADIUM (TOTAL)	29.4		0.34	5.83	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW6010B	ZINC (TOTAL)	17.3		0.27	2.33	mg/Kg
SS347-A	T1-E1A-03	10/2/2003	SW7471	MERCURY (TOTAL)	0.05		0.018	0.035	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	ALUMINUM (TOTAL)	6460		2.4	22	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	ARSENIC (TOTAL)	4.7		0.45	1.1	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	BARIUM (TOTAL)	20.4	J	1.3	22	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.16	J	0.044	0.55	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	BORON (TOTAL)	3	J	0.69	11	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	CALCIUM (TOTAL)	224	J	31.5	549	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	CHROMIUM (TOTAL)	7.4		0.12	1.1	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	COBALT (TOTAL)	0.93	J	0.32	5.49	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS348-A	T2-B2-01	10/2/2003	SW6010B	COPPER (TOTAL)	5.6		0.24	2.75	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	IRON (TOTAL)	10100		3.1	11	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	LEAD (TOTAL)	26.2		0.15	0.33	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	336	J	33	549	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	MANGANESE (TOTAL)	16.8		0.11	1.65	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	NICKEL (TOTAL)	3.4	J	0.26	4.39	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	POTASSIUM (TOTAL)	278	J	34.9	549	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	SELENIUM (TOTAL)	1	J	0.33	0.55	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	VANADIUM (TOTAL)	31.5		0.32	5.49	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW6010B	ZINC (TOTAL)	9.1		0.25	2.2	mg/Kg
SS348-A	T2-B2-01	10/2/2003	SW7471	MERCURY (TOTAL)	0.059		0.019	0.038	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	ALUMINUM (TOTAL)	5960		2.5	22.8	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	ARSENIC (TOTAL)	4.5		0.47	1.14	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	BARIUM (TOTAL)	22.9		1.3	22.8	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.17	J	0.046	0.57	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	BORON (TOTAL)	2.8	J	0.72	11.4	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	CALCIUM (TOTAL)	265	J	32.7	570	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	CHROMIUM (TOTAL)	6.8		0.13	1.14	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	COBALT (TOTAL)	0.88	J	0.33	5.7	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	COPPER (TOTAL)	6		0.25	2.85	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	IRON (TOTAL)	9060		3.2	11.4	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	LEAD (TOTAL)	28.1		0.16	0.34	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	325	J	34.3	570	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	MANGANESE (TOTAL)	16.9		0.11	1.71	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	NICKEL (TOTAL)	2.9	J	0.27	4.56	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	POTASSIUM (TOTAL)	274	J	36.3	570	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.3	J	0.34	0.57	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	VANADIUM (TOTAL)	29.3		0.33	5.7	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW6010B	ZINC (TOTAL)	9.4		0.26	2.28	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW7471	MERCURY (TOTAL)	0.066		0.02	0.04	mg/Kg
SS348-A	T2-B2-01FD	10/2/2003	SW8330	NITROGLYCERIN	33000	J	1040	2500	ug/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	ALUMINUM (TOTAL)	15700		2.2	20.4	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	ARSENIC (TOTAL)	4.9		0.42	1.02	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	BARIUM (TOTAL)	13.9	J	1.2	20.4	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.041	0.51	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	BORON (TOTAL)	2.4	J	0.64	10.2	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	CALCIUM (TOTAL)	120	J	29.2	509	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	CHROMIUM (TOTAL)	14.7		0.11	1.02	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	COBALT (TOTAL)	1.9	J	0.3	5.09	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	COPPER (TOTAL)	2.5	J	0.22	2.54	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	IRON (TOTAL)	15900		2.8	10.2	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	LEAD (TOTAL)	12.4		0.14	0.31	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	667		30.6	509	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	MANGANESE (TOTAL)	29.3		0.1	1.53	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS348-A	T2-B2-02	10/2/2003	SW6010B	NICKEL (TOTAL)	4.3		0.24	4.07	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	POTASSIUM (TOTAL)	361	J	32.4	509	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.3	J	0.31	0.51	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	VANADIUM (TOTAL)	28.2		0.3	5.09	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW6010B	ZINC (TOTAL)	12.5		0.23	2.04	mg/Kg
SS348-A	T2-B2-02	10/2/2003	SW7471	MERCURY (TOTAL)	0.054		0.019	0.039	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	ALUMINUM (TOTAL)	19000		2.5	22.2	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.2		0.46	1.11	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	BARIUM (TOTAL)	15.5	J	1.3	22.2	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.044	0.56	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	BORON (TOTAL)	2.4	J	0.7	11.1	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	CALCIUM (TOTAL)	111	J	31.8	555	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	CHROMIUM (TOTAL)	19.4		0.12	1.11	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	COBALT (TOTAL)	2.8	J	0.32	5.55	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	COPPER (TOTAL)	2.2	J	0.24	2.78	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	IRON (TOTAL)	15900		3.1	11.1	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	LEAD (TOTAL)	9		0.16	0.33	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1150		33.4	555	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	MANGANESE (TOTAL)	44.8		0.11	1.67	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	NICKEL (TOTAL)	6.8		0.27	4.44	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	POTASSIUM (TOTAL)	442	J	35.3	555	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.4	J	0.33	0.56	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	VANADIUM (TOTAL)	26.6		0.32	3.55	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW6010B	ZINC (TOTAL)	14		0.26	2.22	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW7471	MERCURY (TOTAL)	0.032	J	0.017	0.034	mg/Kg
SS348-A	T2-B2-03	10/2/2003	SW8270C	2,4,6-TRINITROTOLUENE	190	UJ	190	190	ug/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	ALUMINUM (TOTAL)	6980		2.5	22.4	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	ARSENIC (TOTAL)	4.5	J	0.46	1.12	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	BARIUM (TOTAL)	12.3	J	1.3	22.4	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.15	J	0.045	0.56	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	BORON (TOTAL)	4.9	J	0.7	11.2	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	CADMIUM (TOTAL)	0.12	J	0.056	0.56	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	CALCIUM (TOTAL)	165	J	32.1	559	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	CHROMIUM (TOTAL)	7.6	J	0.12	1.12	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	COBALT (TOTAL)	1.2	J	0.32	5.59	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	COPPER (TOTAL)	4.3		0.25	2.8	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	IRON (TOTAL)	11900		3.1	11.2	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	LEAD (TOTAL)	23.8		0.16	0.34	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	366	J	33.6	559	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	MANGANESE (TOTAL)	22.7	J	0.13	1.68	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	MOLYBDENUM (TOTAL)	1.1	J	0.12	1.12	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	NICKEL (TOTAL)	3.5	J	0.27	4.47	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	POTASSIUM (TOTAL)	402	J	35.6	559	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	SELENIUM (TOTAL)	0.85	J	0.4	0.56	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS349-A	T2-C2-01	10/2/2003	SW6010B	THALLIUM (TOTAL)	0.6	J	0.41	1.12	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	VANADIUM (TOTAL)	30.9		0.32	5.59	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW6010B	ZINC (TOTAL)	10.4		0.26	2.24	mg/Kg
SS349-A	T2-C2-01	10/2/2003	SW7471	MERCURY (TOTAL)	0.032	J	0.019	0.037	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	ALUMINUM (TOTAL)	11300		2.5	22.8	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	ARSENIC (TOTAL)	3.7	J	0.47	1.14	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	BARIUM (TOTAL)	13	J	1.3	22.8	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.046	0.57	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	BORON (TOTAL)	5	J	0.72	11.4	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	CADMIUM (TOTAL)	0.076	J	0.057	0.57	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	CALCIUM (TOTAL)	313	J	32.7	571	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	CHROMIUM (TOTAL)	10.5	J	0.13	1.14	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	COBALT (TOTAL)	1.4	J	0.33	5.71	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	COPPER (TOTAL)	4		0.25	2.85	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	IRON (TOTAL)	13700		3.2	11.4	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	LEAD (TOTAL)	12.1		0.16	0.34	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	531	J	34.3	571	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	MANGANESE (TOTAL)	33.7	J	0.14	1.71	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	MOLYBDENUM (TOTAL)	0.95	J	0.13	1.14	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	NICKEL (TOTAL)	3.7	J	0.27	4.57	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	POTASSIUM (TOTAL)	402	J	36.3	571	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	SELENIUM (TOTAL)	0.88	J	0.41	0.57	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	THALLIUM (TOTAL)	0.58	J	0.42	1.14	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	VANADIUM (TOTAL)	25.3		0.33	5.71	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW6010B	ZINC (TOTAL)	11.2		0.26	2.28	mg/Kg
SS349-A	T2-C2-02	10/2/2003	SW7471	MERCURY (TOTAL)	0.03	J	0.019	0.039	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	ALUMINUM (TOTAL)	16100		2.5	22.9	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	ARSENIC (TOTAL)	4	J	0.47	1.15	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	BARIUM (TOTAL)	10.4	J	1.3	22.9	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.046	0.57	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	BORON (TOTAL)	4.7	J	0.72	11.5	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	CALCIUM (TOTAL)	95.4	J	32.8	573	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	CHROMIUM (TOTAL)	14.5	J	0.13	1.15	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	COBALT (TOTAL)	2.1	J	0.33	5.73	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	COPPER (TOTAL)	1.7	J	0.25	2.86	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	IRON (TOTAL)	13700		3.2	11.5	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	LEAD (TOTAL)	8.6		0.16	0.34	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	621		34.5	573	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	MANGANESE (TOTAL)	27.9	J	0.14	1.72	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	MOLYBDENUM (TOTAL)	0.9	J	0.13	1.15	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	NICKEL (TOTAL)	5.2		0.27	4.58	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	POTASSIUM (TOTAL)	412	J	36.4	573	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	SELENIUM (TOTAL)	0.49	J	0.41	0.57	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW6010B	VANADIUM (TOTAL)	21.3		0.33	5.73	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS349-A	T2-C2-03	10/2/2003	SW6010B	ZINC (TOTAL)	10.4		0.26	2.29	mg/Kg
SS349-A	T2-C2-03	10/2/2003	SW7471	MERCURY (TOTAL)	0.03	J	0.019	0.039	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	ALUMINUM (TOTAL)	11500		2.5	23	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	ARSENIC (TOTAL)	4.7	J	0.47	1.15	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	BARIUM (TOTAL)	14.3	J	1.3	23	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.22	J	0.046	0.58	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	BORON (TOTAL)	5	J	0.73	11.5	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	CALCIUM (TOTAL)	180	J	33	576	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	CHROMIUM (TOTAL)	11.3	J	0.13	1.15	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	COBALT (TOTAL)	1.8	J	0.33	5.76	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	COPPER (TOTAL)	4.8		0.25	2.88	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	IRON (TOTAL)	14100		3.2	11.5	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	LEAD (TOTAL)	22.7		0.16	0.35	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	556	J	34.6	576	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	MANGANESE (TOTAL)	29.1	J	0.14	1.73	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	MOLYBDENUM (TOTAL)	0.92	J	0.13	1.15	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	NICKEL (TOTAL)	4.4	J	0.28	4.61	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	POTASSIUM (TOTAL)	417	J	36.6	576	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	SELENIUM (TOTAL)	0.76	J	0.41	0.58	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	VANADIUM (TOTAL)	30.9		0.33	5.76	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW6010B	ZINC (TOTAL)	10.2		0.26	2.3	mg/Kg
SS350-A	T3-D3A-01	10/2/2003	SW7471	MERCURY (TOTAL)	0.024	J	0.019	0.038	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	ALUMINUM (TOTAL)	18600		2.6	23.2	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.7	J	0.48	1.16	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	BARIUM (TOTAL)	14.5	J	1.3	23.2	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.046	0.58	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	BORON (TOTAL)	5.8	J	0.73	11.6	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	CALCIUM (TOTAL)	153	J	33.3	580	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	CHROMIUM (TOTAL)	19.1	J	0.13	1.16	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	COBALT (TOTAL)	3.1	J	0.34	5.8	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	COPPER (TOTAL)	3.2		0.26	2.9	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	IRON (TOTAL)	18100		3.2	11.6	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	LEAD (TOTAL)	11.2		0.16	0.35	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1150		34.9	580	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	MANGANESE (TOTAL)	54.4	J	0.14	1.74	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	NICKEL (TOTAL)	7.2		0.28	4.64	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	POTASSIUM (TOTAL)	552	J	36.9	580	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	SELENIUM (TOTAL)	0.85	J	0.42	0.58	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	VANADIUM (TOTAL)	28.7		0.34	5.8	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW6010B	ZINC (TOTAL)	15		0.27	2.32	mg/Kg
SS350-A	T3-D3A-02	10/2/2003	SW7471	MERCURY (TOTAL)	0.026	J	0.019	0.038	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	ALUMINUM (TOTAL)	19500		2.3	20.8	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	ANTIMONY (TOTAL)	0.56	J	0.54	6.23	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	ARSENIC (TOTAL)	6.3	J	0.43	1.04	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS350-A	T3-D3A-03	10/2/2003	SW6010B	BARIUM (TOTAL)	17.6	J	1.2	20.8	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.43	J	0.042	0.52	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	BORON (TOTAL)	6.7	J	0.65	10.4	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	CALCIUM (TOTAL)	162	J	29.8	519	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	CHROMIUM (TOTAL)	21.6	J	0.11	1.04	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	COBALT (TOTAL)	4.4	J	0.3	5.19	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	COPPER (TOTAL)	4		0.23	2.6	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	IRON (TOTAL)	18900		2.9	10.4	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	LEAD (TOTAL)	10.1		0.15	0.31	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1970		31.2	519	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	MANGANESE (TOTAL)	82.5	J	0.12	1.56	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	NICKEL (TOTAL)	9		0.25	4.15	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	POTASSIUM (TOTAL)	750		33	519	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	SELENIUM (TOTAL)	0.58	J	0.37	0.52	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	THALLIUM (TOTAL)	0.48	J	0.38	1.04	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	VANADIUM (TOTAL)	29.9		0.3	5.19	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW6010B	ZINC (TOTAL)	18		0.24	2.08	mg/Kg
SS350-A	T3-D3A-03	10/2/2003	SW7471	MERCURY (TOTAL)	0.026	J	0.015	0.031	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	ALUMINUM (TOTAL)	13500		2.8	25.8	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	ARSENIC (TOTAL)	6.4		0.53	1.29	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	BARIUM (TOTAL)	18.5	J	1.5	25.8	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.052	0.64	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	BORON (TOTAL)	3.4	J	0.81	12.9	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	CADMIUM (TOTAL)	0.09	J	0.065	0.64	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	CALCIUM (TOTAL)	247	J	37	645	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	CHROMIUM (TOTAL)	13.7		0.14	1.29	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	COBALT (TOTAL)	1.7	J	0.37	6.45	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	COPPER (TOTAL)	6.1		0.28	3.22	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	IRON (TOTAL)	17900		3.6	12.9	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	LEAD (TOTAL)	23.5		0.18	0.39	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	632	J	38.8	645	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	MANGANESE (TOTAL)	31.1		0.13	1.93	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	NICKEL (TOTAL)	4.3	J	0.31	5.16	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	POTASSIUM (TOTAL)	410	J	41	645	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.7	J	0.39	0.64	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	VANADIUM (TOTAL)	38.3		0.37	6.45	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW6010B	ZINC (TOTAL)	11.5		0.3	2.58	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW7471	MERCURY (TOTAL)	0.086		0.021	0.042	mg/Kg
SS351-A	T3-D3B-01	10/2/2003	SW8330	NITROGLYCERIN	3900		860	2500	ug/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	ALUMINUM (TOTAL)	18900		2.6	23.1	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	ARSENIC (TOTAL)	6		0.47	1.16	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	BARIUM (TOTAL)	14.4	J	1.3	23.1	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.046	0.58	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	BORON (TOTAL)	2.7	J	0.73	11.6	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS351-A	T3-D3B-02	10/2/2003	SW6010B	CALCIUM (TOTAL)	105	J	33.1	578	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	CHROMIUM (TOTAL)	18.8		0.13	1.16	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	COBALT (TOTAL)	2.6	J	0.34	5.78	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	COPPER (TOTAL)	2.5	J	0.25	2.89	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	IRON (TOTAL)	16300		3.2	11.6	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	LEAD (TOTAL)	11		0.16	0.35	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1050		34.7	578	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	MANGANESE (TOTAL)	44.6		0.12	1.73	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	NICKEL (TOTAL)	6.8		0.28	4.62	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	POTASSIUM (TOTAL)	411	J	36.7	578	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.7	J	0.35	0.58	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	VANADIUM (TOTAL)	26.9		0.34	5.78	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW6010B	ZINC (TOTAL)	16.7		0.27	2.31	mg/Kg
SS351-A	T3-D3B-02	10/2/2003	SW7471	MERCURY (TOTAL)	0.052		0.021	0.042	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	ALUMINUM (TOTAL)	17100		2.5	22.8	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	ARSENIC (TOTAL)	6		0.47	1.14	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	BARIUM (TOTAL)	16.5	J	1.3	22.8	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.045	0.57	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	BORON (TOTAL)	3	J	0.72	11.4	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	CALCIUM (TOTAL)	122	J	32.6	569	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	CHROMIUM (TOTAL)	19.1		0.13	1.14	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	COBALT (TOTAL)	3.3	J	0.33	5.69	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	COPPER (TOTAL)	2.7	J	0.25	2.85	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	IRON (TOTAL)	15900		3.2	11.4	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	LEAD (TOTAL)	9.1		0.16	0.34	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1530		34.2	569	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	MANGANESE (TOTAL)	65.1		0.11	1.71	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	NICKEL (TOTAL)	7.1		0.27	4.55	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	POTASSIUM (TOTAL)	527	J	36.2	569	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.2	J	0.34	0.57	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	VANADIUM (TOTAL)	26.2		0.33	5.69	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW6010B	ZINC (TOTAL)	17.5		0.26	2.28	mg/Kg
SS351-A	T3-D3B-03	10/2/2003	SW7471	MERCURY (TOTAL)	0.037		0.018	0.035	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	ALUMINUM (TOTAL)	16800		2.6	23.6	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.9		0.48	1.18	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	BARIUM (TOTAL)	13.2	J	1.4	23.6	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.31	J	0.047	0.59	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	BORON (TOTAL)	2.5	J	0.74	11.8	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	CALCIUM (TOTAL)	110	J	33.8	590	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	CHROMIUM (TOTAL)	16.5		0.13	1.18	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	COBALT (TOTAL)	2.7	J	0.34	5.9	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	COPPER (TOTAL)	2.4	J	0.26	2.95	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	IRON (TOTAL)	14700		3.3	11.8	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	LEAD (TOTAL)	10.5		0.17	0.35	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS352-A	T3-F3A-01	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	917		35.5	590	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	MANGANESE (TOTAL)	44.8		0.12	1.77	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	NICKEL (TOTAL)	5.5		0.28	4.72	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	POTASSIUM (TOTAL)	351	J	37.5	590	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.2	J	0.35	0.59	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	VANADIUM (TOTAL)	25.2		0.34	5.9	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW6010B	ZINC (TOTAL)	13.4		0.27	2.36	mg/Kg
SS352-A	T3-F3A-01	10/2/2003	SW7471	MERCURY (TOTAL)	0.043		0.018	0.037	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	ALUMINUM (TOTAL)	13000		2.7	24.7	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	ARSENIC (TOTAL)	6		0.51	1.23	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	BARIUM (TOTAL)	21.7	J	1.4	24.7	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.25	J	0.049	0.62	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	BORON (TOTAL)	3.1	J	0.78	12.3	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	CALCIUM (TOTAL)	168	J	35.3	616	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	CHROMIUM (TOTAL)	14.5		0.14	1.23	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	COBALT (TOTAL)	2	J	0.36	6.16	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	COPPER (TOTAL)	5.8		0.27	3.08	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	IRON (TOTAL)	15800		3.4	12.3	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	LEAD (TOTAL)	29.7		0.17	0.37	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	805		37.1	616	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	MANGANESE (TOTAL)	40		0.12	1.85	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	NICKEL (TOTAL)	5.1		0.3	4.93	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	POTASSIUM (TOTAL)	374	J	39.2	616	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.5	J	0.37	0.62	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	VANADIUM (TOTAL)	37.9		0.36	6.16	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW6010B	ZINC (TOTAL)	12.8		0.28	2.47	mg/Kg
SS352-A	T3-F3A-02	10/2/2003	SW7471	MERCURY (TOTAL)	0.07		0.022	0.044	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	ALUMINUM (TOTAL)	18700		2.4	21.4	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	ARSENIC (TOTAL)	6.3		0.44	1.07	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	BARIUM (TOTAL)	17.2	J	1.2	21.4	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.043	0.54	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	BORON (TOTAL)	2.9	J	0.67	10.7	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	CALCIUM (TOTAL)	150	J	30.7	536	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	CHROMIUM (TOTAL)	20.1		0.12	1.07	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	COBALT (TOTAL)	3.3	J	0.31	5.36	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	COPPER (TOTAL)	2.8		0.24	2.68	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	IRON (TOTAL)	18200		3	10.7	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	LEAD (TOTAL)	10.4		0.15	0.32	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1330		32.2	536	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	MANGANESE (TOTAL)	63.2		0.11	1.61	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	NICKEL (TOTAL)	7		0.26	4.28	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	POTASSIUM (TOTAL)	481	J	34.1	536	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.4	J	0.32	0.54	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW6010B	VANADIUM (TOTAL)	30.6		0.31	5.36	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS352-A	T3-F3A-03	10/2/2003	SW6010B	ZINC (TOTAL)	15.7		0.25	2.14	mg/Kg
SS352-A	T3-F3A-03	10/2/2003	SW7471	MERCURY (TOTAL)	0.021	J	0.018	0.035	mg/Kg
SS353-A	T3-F3B	10/2/2003	SW8260B	ACETONE	210	J	1.48	6	ug/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	ALUMINUM (TOTAL)	8690		2.8	25	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	ANTIMONY (TOTAL)	0.67	J	0.65	7.49	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	ARSENIC (TOTAL)	4.6		0.51	1.25	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	BARIUM (TOTAL)	55.6		1.4	25	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.05	0.62	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	BORON (TOTAL)	2.5	J	0.79	12.5	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	CADMIUM (TOTAL)	0.12	J	0.062	0.62	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	CALCIUM (TOTAL)	169	J	35.8	624	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	CHROMIUM (TOTAL)	9.4		0.14	1.25	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	COBALT (TOTAL)	1.2	J	0.36	6.24	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	COPPER (TOTAL)	4.2		0.27	3.12	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	IRON (TOTAL)	12700		3.5	12.5	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	LEAD (TOTAL)	25.4		0.17	0.37	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	452	J	37.5	624	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	MANGANESE (TOTAL)	25.3		0.12	1.87	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	NICKEL (TOTAL)	3.1	J	0.3	4.99	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	POTASSIUM (TOTAL)	265	J	39.7	624	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.3	J	0.37	0.62	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	VANADIUM (TOTAL)	30.8		0.36	6.24	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW6010B	ZINC (TOTAL)	11.9		0.29	2.5	mg/Kg
SS353-A	T3-F3B-01	10/2/2003	SW7471	MERCURY (TOTAL)	0.046		0.021	0.042	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	ALUMINUM (TOTAL)	18800		2.7	24.4	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.4		0.5	1.22	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	BARIUM (TOTAL)	18.5	J	1.4	24.4	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.049	0.61	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	BORON (TOTAL)	2.5	J	0.77	12.2	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	CALCIUM (TOTAL)	112	J	35	610	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	CHROMIUM (TOTAL)	17.9		0.13	1.22	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.35	6.1	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	COPPER (TOTAL)	2.3	J	0.27	3.05	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	IRON (TOTAL)	17800		3.4	12.7	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	LEAD (TOTAL)	10.6		0.17	0.37	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	828		36.7	610	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	MANGANESE (TOTAL)	37.4		0.12	1.83	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	NICKEL (TOTAL)	5.2		0.29	4.88	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	POTASSIUM (TOTAL)	388	J	38.8	610	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.2	J	0.37	0.61	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	VANADIUM (TOTAL)	29.8		0.35	6.1	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW6010B	ZINC (TOTAL)	11.7		0.28	2.44	mg/Kg
SS353-A	T3-F3B-02	10/2/2003	SW7471	MERCURY (TOTAL)	0.05		0.021	0.041	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	ALUMINUM (TOTAL)	19400		2.3	20.7	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS353-A	T3-F3B-03	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.5		0.42	1.03	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	BARIUM (TOTAL)	19.1	J	1.2	20.7	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.041	0.52	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	BORON (TOTAL)	2.7	J	0.65	10.3	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	CALCIUM (TOTAL)	135	J	29.6	517	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	CHROMIUM (TOTAL)	20.7		0.11	1.03	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	COBALT (TOTAL)	3.4	J	0.3	5.17	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	COPPER (TOTAL)	2.8		0.23	2.58	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	IRON (TOTAL)	17000		2.9	10.3	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	LEAD (TOTAL)	9.6		0.14	0.31	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1430		31.1	517	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	MANGANESE (TOTAL)	61.6		0.1	1.55	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	NICKEL (TOTAL)	7.6		0.25	4.13	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	POTASSIUM (TOTAL)	520		32.9	517	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.4	J	0.31	0.52	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	THALLIUM (TOTAL)	0.39	J	0.38	1.03	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	VANADIUM (TOTAL)	28.7		0.3	5.17	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW6010B	ZINC (TOTAL)	14.4		0.24	2.07	mg/Kg
SS353-A	T3-F3B-03	10/2/2003	SW7471	MERCURY (TOTAL)	0.022	J	0.017	0.035	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	ALUMINUM (TOTAL)	11400		2.7	24.4	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.5	1.22	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	BARIUM (TOTAL)	24	J	1.4	24.4	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.27	J	0.049	0.61	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	BORON (TOTAL)	2.5	J	0.77	12.2	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	CADMIUM (TOTAL)	0.19	J	0.061	0.61	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	CALCIUM (TOTAL)	222	J	35	35	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	CHROMIUM (TOTAL)	12.4		0.13	1.22	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	COBALT (TOTAL)	1.7	J	0.35	6.11	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	COPPER (TOTAL)	7.2		0.27	3.06	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	IRON (TOTAL)	13900		3.4	12.2	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	LEAD (TOTAL)	30.2		0.17	0.37	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	703		36.8	611	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	MANGANESE (TOTAL)	33.7		0.12	1.83	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	NICKEL (TOTAL)	4.4	J	0.29	4.89	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	POTASSIUM (TOTAL)	336	J	38.9	611	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.3	J	0.37	0.61	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	VANADIUM (TOTAL)	34		0.35	6.11	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW6010B	ZINC (TOTAL)	26.4		0.28	2.44	mg/Kg
SS354-A	T4-F4-01	10/2/2003	SW7471	MERCURY (TOTAL)	0.066		0.021	0.042	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	ALUMINUM (TOTAL)	18700		2.6	23.7	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.6		0.49	1.19	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	BARIUM (TOTAL)	16.7	J	1.4	23.7	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.047	0.59	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	BORON (TOTAL)	2.4	J	0.75	11.9	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS354-A	T4-F4-02	10/2/2003	SW6010B	CALCIUM (TOTAL)	146	J	34	593	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	CHROMIUM (TOTAL)	17.6		0.13	1.19	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.34	5.93	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	COPPER (TOTAL)	2.2	J	0.26	2.97	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	IRON (TOTAL)	18500		3.3	11.9	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	LEAD (TOTAL)	10.7		0.17	0.36	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	839		35.7	593	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	MANGANESE (TOTAL)	40.2		0.12	1.78	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	NICKEL (TOTAL)	5.2		0.28	4.74	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	POTASSIUM (TOTAL)	380	J	37.7	593	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.4	J	0.36	0.59	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	VANADIUM (TOTAL)	31		0.34	5.93	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW6010B	ZINC (TOTAL)	14.1		0.27	2.37	mg/Kg
SS354-A	T4-F4-02	10/2/2003	SW7471	MERCURY (TOTAL)	0.044		0.018	0.037	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	ALUMINUM (TOTAL)	20400		2.6	23.5	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	ARSENIC (TOTAL)	6.1		0.48	1.17	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	BARIUM (TOTAL)	20.7	J	1.3	23.5	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.047	0.59	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	BORON (TOTAL)	2.9	J	0.74	11.7	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	CALCIUM (TOTAL)	138	J	33.6	587	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	CHROMIUM (TOTAL)	22.4		0.13	1.17	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	COBALT (TOTAL)	3.9	J	0.34	5.87	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	COPPER (TOTAL)	3.4		0.26	2.93	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	IRON (TOTAL)	17600		3.3	11.7	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	LEAD (TOTAL)	10.4		0.16	0.35	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1740		35.3	587	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	MANGANESE (TOTAL)	70.9		0.12	1.76	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	NICKEL (TOTAL)	8.6		0.28	4.69	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	POTASSIUM (TOTAL)	608		37.3	587	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.5	J	0.35	0.59	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	VANADIUM (TOTAL)	29.4		0.34	5.87	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW6010B	ZINC (TOTAL)	19.7		0.27	2.35	mg/Kg
SS354-A	T4-F4-03	10/2/2003	SW7471	MERCURY (TOTAL)	0.031	J	0.018	0.037	mg/Kg
SS355-A	T4-E4	10/2/2003	SW8260B	ACETONE	380	J	1.88	7.7	ug/Kg
SS355-A	T4-E4	10/2/2003	SW8260B	CHLOROFORM	2.6	J	0.185	7.7	ug/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	ALUMINUM (TOTAL)	10000		2.8	25.4	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.52	1.27	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	BARIUM (TOTAL)	18.4	J	1.5	25.4	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.051	0.64	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	BORON (TOTAL)	2.9	J	0.8	12.7	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	CADMIUM (TOTAL)	0.087	J	0.064	0.64	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	CALCIUM (TOTAL)	230	J	36.4	635	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	CHROMIUM (TOTAL)	10.8		0.14	1.27	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	COBALT (TOTAL)	1.4	J	0.37	6.35	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS355-A	T4-E4-01	10/2/2003	SW6010B	COPPER (TOTAL)	22.1		0.28	3.18	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	IRON (TOTAL)	14200		3.5	12.7	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	LEAD (TOTAL)	25.1		0.18	6.38	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	507	J	38.2	635	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	MANGANESE (TOTAL)	26.6		0.13	1.91	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	NICKEL (TOTAL)	4	J	0.3	5.08	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	POTASSIUM (TOTAL)	350	J	40.4	635	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.3	J	0.38	0.64	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	VANADIUM (TOTAL)	34.4		0.37	6.35	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW6010B	ZINC (TOTAL)	16.2		0.29	2.54	mg/Kg
SS355-A	T4-E4-01	10/2/2003	SW7471	MERCURY (TOTAL)	0.073		0.02	0.04	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	ALUMINUM (TOTAL)	21900		2.5	22.6	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	ARSENIC (TOTAL)	6.7		0.46	1.13	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	BARIUM (TOTAL)	15.7	J	1.3	22.6	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.045	0.56	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	BORON (TOTAL)	2.5	J	0.71	11.3	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	CALCIUM (TOTAL)	121	J	32.3	564	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	CHROMIUM (TOTAL)	21.7		0.12	1.13	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	COBALT (TOTAL)	3	J	0.33	5.64	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	COPPER (TOTAL)	3.2		0.25	2.82	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	IRON (TOTAL)	18800		3.1	11.3	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	LEAD (TOTAL)	11.3		0.16	0.34	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	994		33.9	564	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	MANGANESE (TOTAL)	41.4		0.11	1.69	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	NICKEL (TOTAL)	7.3		0.27	4.51	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	POTASSIUM (TOTAL)	453	J	35.9	564	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.7	J	0.34	0.56	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	VANADIUM (TOTAL)	31.4		0.33	5.64	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW6010B	ZINC (TOTAL)	17.9		0.26	2.26	mg/Kg
SS355-A	T4-E4-02	10/2/2003	SW7471	MERCURY (TOTAL)	0.068		0.018	0.037	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	ALUMINUM (TOTAL)	21100		2.4	22.1	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	ANTIMONY (TOTAL)	0.78	J	0.57	6.62	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	ARSENIC (TOTAL)	6.3		0.45	1.1	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	BARIUM (TOTAL)	19.3	J	1.3	22.1	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.44	J	0.044	0.55	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	BORON (TOTAL)	3	J	0.69	11	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	CALCIUM (TOTAL)	139	J	31.6	551	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	CHROMIUM (TOTAL)	23.4		0.12	1.1	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	COBALT (TOTAL)	4.1	J	0.32	5.51	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	COPPER (TOTAL)	3.4		0.24	2.76	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	IRON (TOTAL)	18100		3.1	11	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	LEAD (TOTAL)	10.1		0.15	0.33	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1780		33.2	551	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	MANGANESE (TOTAL)	68.8		0.11	1.65	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS355-A	T4-E4-03	10/2/2003	SW6010B	NICKEL (TOTAL)	9		0.26	4.41	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	POTASSIUM (TOTAL)	627		35.1	551	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.2	J	0.33	0.55	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	VANADIUM (TOTAL)	30.4		0.32	5.51	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW6010B	ZINC (TOTAL)	21.8		0.25	2.21	mg/Kg
SS355-A	T4-E4-03	10/2/2003	SW7471	MERCURY (TOTAL)	0.036		0.018	0.036	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	ALUMINUM (TOTAL)	21500		2.5	22.9	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	ARSENIC (TOTAL)	6.4		0.47	1.14	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	BARIUM (TOTAL)	19.8	J	1.3	22.9	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	BERYLLIUM (TOTAL)	0.45	J	0.046	0.57	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	BORON (TOTAL)	2.9	J	0.72	11.4	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	CALCIUM (TOTAL)	140	J	32.8	572	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	CHROMIUM (TOTAL)	23.8		0.13	1.14	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	COBALT (TOTAL)	4.1	J	0.33	5.72	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	COPPER (TOTAL)	3.4		0.25	2.86	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	IRON (TOTAL)	18500		3.2	11.4	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	LEAD (TOTAL)	10.5		0.16	0.34	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	MAGNESIUM (TOTAL)	1770		34.4	572	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	MANGANESE (TOTAL)	69.3		0.11	1.71	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	NICKEL (TOTAL)	8.8		0.27	4.57	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	POTASSIUM (TOTAL)	635		36.4	572	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	SELENIUM (TOTAL)	1.5	J	0.34	0.57	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	VANADIUM (TOTAL)	31		0.33	5.72	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW6010B	ZINC (TOTAL)	20.3		0.26	2.29	mg/Kg
SS355-A	T4-E4-03FD	10/2/2003	SW7471	MERCURY (TOTAL)	0.045		0.019	0.038	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	ALUMINUM (TOTAL)	8890		2.4	22	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	ANTIMONY (TOTAL)	0.6	J	0.57	6.6	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	ARSENIC (TOTAL)	5	J	0.45	1.1	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	BARIUM (TOTAL)	21.1	J	1.3	22	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.19	J	0.044	0.55	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	BORON (TOTAL)	5.2	J	0.69	11	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	CALCIUM (TOTAL)	224	J	31.6	550	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	CHROMIUM (TOTAL)	9.9	J	0.12	1.1	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	COBALT (TOTAL)	1.5	J	0.32	5.3	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	COPPER (TOTAL)	4.6		0.24	2.75	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	IRON (TOTAL)	14000		3.1	11	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	LEAD (TOTAL)	23.1		0.15	0.33	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	492	J	33.1	550	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	MANGANESE (TOTAL)	27.7	J	0.13	1.65	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	1	J	0.12	1.1	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	NICKEL (TOTAL)	3.6	J	0.26	4.4	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	POTASSIUM (TOTAL)	400	J	35	550	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.6	J	0.4	0.55	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW6010B	VANADIUM (TOTAL)	31.5		0.32	5.5	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS356-A	T4-C4-01	10/3/2003	SW6010B	ZINC (TOTAL)	10.9		0.25	2.2	mg/Kg
SS356-A	T4-C4-01	10/3/2003	SW7471	MERCURY (TOTAL)	0.044		0.02	0.039	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	ALUMINUM (TOTAL)	17900		2.6	23.8	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.9	J	0.49	1.19	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	BARIUM (TOTAL)	13.2	J	1.4	23.8	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.048	0.59	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	BORON (TOTAL)	5.7	J	0.75	11.9	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	CALCIUM (TOTAL)	132	J	34	594	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	CHROMIUM (TOTAL)	17.1	J	0.13	1.19	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	COBALT (TOTAL)	2.6	J	0.34	5.94	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	COPPER (TOTAL)	2.9	J	0.26	2.97	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	IRON (TOTAL)	17800		3.3	11.9	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	LEAD (TOTAL)	10.3		0.17	0.36	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	930		35.7	594	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	MANGANESE (TOTAL)	41.5		0.14	1.78	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	1	J	0.13	1.19	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	NICKEL (TOTAL)	5.7		0.28	4.75	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	POTASSIUM (TOTAL)	491	J	37.8	594	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.98	J	0.43	0.59	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	VANADIUM (TOTAL)	28.4		0.34	5.94	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW6010B	ZINC (TOTAL)	13.5		0.27	2.38	mg/Kg
SS356-A	T4-C4-02	10/3/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.02	0.04	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	ALUMINUM (TOTAL)	18700		2.3	20.9	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.5	J	0.43	1.04	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	BARIUM (TOTAL)	14.3	J	1.2	20.9	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.042	0.52	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	BORON (TOTAL)	5.6	J	0.66	10.4	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	CALCIUM (TOTAL)	131	J	29.9	522	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	CHROMIUM (TOTAL)	19.7	J	0.11	1.04	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	COBALT (TOTAL)	3.4	J	0.3	5.22	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	COPPER (TOTAL)	2.8		0.23	2.61	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	IRON (TOTAL)	17100		2.9	10.4	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	LEAD (TOTAL)	12		0.15	0.31	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1380		31.4	522	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	MANGANESE (TOTAL)	58.2	J	0.13	1.57	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.85	J	0.11	1.04	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	NICKEL (TOTAL)	7.3		0.25	4.18	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	POTASSIUM (TOTAL)	569		33.2	522	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.63	J	0.39	1.04	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	VANADIUM (TOTAL)	26.8		0.3	5.22	mg/Kg
SS356-A	T4-C4-03	10/3/2003	SW6010B	ZINC (TOTAL)	14.3		0.24	2.09	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	ALUMINUM (TOTAL)	12100		2.9	26.2	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.2		0.54	1.31	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	BARIUM (TOTAL)	22.5	J	1.5	26.2	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS357-A	T4-B4-01	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.25	J	0.052	0.66	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	CALCIUM (TOTAL)	239	J	37.6	655	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	CHROMIUM (TOTAL)	11.8		0.14	1.31	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	COBALT (TOTAL)	1.6	J	0.38	6.55	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	COPPER (TOTAL)	4.9		0.29	3.28	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	IRON (TOTAL)	15900		3.6	13.1	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	LEAD (TOTAL)	27.5		0.18	0.39	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	572	J	39.4	655	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	MANGANESE (TOTAL)	31.1		0.16	1.97	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	1.1	J	0.14	1.31	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	NICKEL (TOTAL)	4.5	J	0.31	5.24	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	POTASSIUM (TOTAL)	309	J	41.7	655	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.82	J	0.47	0.66	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.95	J	0.48	1.31	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	VANADIUM (TOTAL)	30.9		0.38	6.55	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW6010B	ZINC (TOTAL)	12		0.3	2.62	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW7471	MERCURY (TOTAL)	0.049		0.022	0.045	mg/Kg
SS357-A	T4-B4-01	10/3/2003	SW8330	NITROGLYCERIN	5300		1161	2500	ug/Kg
SS357-A	T4-B4-02	10/3/2003	E314.0	PERCHLORATE	3.1	J	1.7	5.2	ug/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	ALUMINUM (TOTAL)	20500		2.6	23.9	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.2		0.49	1.19	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	BARIUM (TOTAL)	13.7	J	1.4	23.9	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.048	0.6	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	CALCIUM (TOTAL)	179	J	34.2	597	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	CHROMIUM (TOTAL)	19.5		0.13	1.19	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	COBALT (TOTAL)	3.7	J	0.35	5.97	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	COPPER (TOTAL)	3.3		0.26	2.99	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	IRON (TOTAL)	18500		3.3	11.9	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	LEAD (TOTAL)	11.7		0.17	0.36	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1580		35.9	597	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	MANGANESE (TOTAL)	55.7		0.14	1.79	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	NICKEL (TOTAL)	8.9		0.29	4.78	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	POTASSIUM (TOTAL)	368	J	38	597	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.92	J	0.43	0.6	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.54	J	0.44	1.19	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	VANADIUM (TOTAL)	27.9		0.35	5.97	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW6010B	ZINC (TOTAL)	18.7		0.27	2.39	mg/Kg
SS357-A	T4-B4-02	10/3/2003	SW7471	MERCURY (TOTAL)	0.029	J	0.017	0.035	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	ALUMINUM (TOTAL)	20100		2.5	22.3	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.6		0.46	1.11	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	BARIUM (TOTAL)	16.3	J	1.3	22.3	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.41	J	0.045	0.56	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	CALCIUM (TOTAL)	116	J	31.9	557	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	CHROMIUM (TOTAL)	21.2		0.12	1.11	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS357-A	T4-B4-03	10/3/2003	SW6010B	COBALT (TOTAL)	3.8	J	0.32	5.57	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	COPPER (TOTAL)	4.1		0.25	2.79	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	IRON (TOTAL)	18500		3.1	11.1	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	LEAD (TOTAL)	10.2		0.16	0.33	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1680		33.5	557	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	MANGANESE (TOTAL)	68.1		0.13	1.67	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	NICKEL (TOTAL)	8.7		0.27	4.46	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	POTASSIUM (TOTAL)	494	J	35.4	557	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.77	J	0.4	0.56	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.72	J	0.41	1.11	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	VANADIUM (TOTAL)	28.5		0.32	5.57	mg/Kg
SS357-A	T4-B4-03	10/3/2003	SW6010B	ZINC (TOTAL)	16.3		0.26	2.23	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	ALUMINUM (TOTAL)	9300		2.7	24.3	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.9		0.5	1.21	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	BARIUM (TOTAL)	18.9	J	1.4	24.3	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.18	J	0.049	0.61	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.22	J	0.061	0.61	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	CALCIUM (TOTAL)	433	J	34.8	607	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	CHROMIUM (TOTAL)	10.1		0.13	1.21	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	COBALT (TOTAL)	1.6	J	0.35	6.07	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	COPPER (TOTAL)	10		0.27	3.04	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	IRON (TOTAL)	13400		3.4	12.1	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	LEAD (TOTAL)	30.8		0.17	0.36	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	675		36.5	607	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	MANGANESE (TOTAL)	34.5		0.15	1.82	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	NICKEL (TOTAL)	4.1	J	0.29	4.86	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	POTASSIUM (TOTAL)	353	J	38.6	607	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.54	J	0.44	0.61	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.79	J	0.45	1.21	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	VANADIUM (TOTAL)	36.7		0.35	6.07	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW6010B	ZINC (TOTAL)	15.6		0.28	2.43	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW7471	MERCURY (TOTAL)	0.084		0.021	0.041	mg/Kg
SS358-A	T6-D6A-01	10/3/2003	SW8330	2-AMINO-4,6-DINITROTOLUENE	190	J	11.2	120	ug/Kg
SS358-A	T6-D6A-01	10/3/2003	SW8330	NITROGLYCERIN	4000		1066	2500	ug/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	ALUMINUM (TOTAL)	16200		2.4	21.7	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	ARSENIC (TOTAL)	5		0.45	1.09	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	BARIUM (TOTAL)	12.4	J	1.2	21.7	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.043	0.54	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	CALCIUM (TOTAL)	129	J	31.1	543	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	CHROMIUM (TOTAL)	15.8		0.12	1.09	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.31	5.43	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	COPPER (TOTAL)	4.2		0.24	2.71	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	IRON (TOTAL)	16100		3	10.9	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	LEAD (TOTAL)	11		0.15	0.33	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS358-A	T6-D6A-02	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	979		32.7	543	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	MANGANESE (TOTAL)	39.2		0.13	1.63	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	NICKEL (TOTAL)	5.1		0.26	4.34	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	POTASSIUM (TOTAL)	351	J	34.5	543	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.65	J	0.39	0.54	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.67	J	0.4	1.09	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	VANADIUM (TOTAL)	26.4		0.31	5.43	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW6010B	ZINC (TOTAL)	14		0.25	2.17	mg/Kg
SS358-A	T6-D6A-02	10/3/2003	SW7471	MERCURY (TOTAL)	0.044		0.018	0.035	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	ALUMINUM (TOTAL)	14000		2.1	19.4	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.5		0.4	0.97	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	BARIUM (TOTAL)	11.8	J	1.1	19.4	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.039	0.49	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	CALCIUM (TOTAL)	130	J	27.9	486	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	CHROMIUM (TOTAL)	15.1		0.11	0.97	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	COBALT (TOTAL)	2.9	J	0.28	4.86	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	COPPER (TOTAL)	2.9		0.21	2.43	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	IRON (TOTAL)	15400		2.7	9.72	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	LEAD (TOTAL)	8.8		0.14	0.29	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1330		29.3	486	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	MANGANESE (TOTAL)	68.9		0.12	1.46	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	NICKEL (TOTAL)	5.4		0.23	3.89	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	POTASSIUM (TOTAL)	393	J	30.9	486	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.63	J	0.36	0.97	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	VANADIUM (TOTAL)	22.2		0.28	4.86	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW6010B	ZINC (TOTAL)	15.2		0.22	1.94	mg/Kg
SS358-A	T6-D6A-03	10/3/2003	SW7471	MERCURY (TOTAL)	0.035		0.016	0.032	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	ALUMINUM (TOTAL)	10000		2.5	22.7	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.8		0.47	1.14	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	BARIUM (TOTAL)	26.3		1.3	22.7	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.045	0.57	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.52	J	0.057	0.57	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	CALCIUM (TOTAL)	437	J	32.6	569	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	CHROMIUM (TOTAL)	10.3		0.13	1.14	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	COBALT (TOTAL)	1.7	J	0.33	5.69	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	COPPER (TOTAL)	9.7		0.25	2.84	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	IRON (TOTAL)	12300		3.2	11.4	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	LEAD (TOTAL)	33.1		0.16	0.34	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	688		34.2	569	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	MANGANESE (TOTAL)	43.5		0.14	1.71	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	NICKEL (TOTAL)	4.6		0.27	4.55	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	POTASSIUM (TOTAL)	355	J	36.2	569	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.61	J	0.41	0.57	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.54	J	0.42	1.14	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS359-A	T6-D6B-01	10/3/2003	SW6010B	VANADIUM (TOTAL)	26.9		0.33	5.69	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW6010B	ZINC (TOTAL)	17.2		0.26	2.27	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW7471	MERCURY (TOTAL)	0.048		0.021	0.041	mg/Kg
SS359-A	T6-D6B-01	10/3/2003	SW8330	NITROGLYCERIN	3800		1096	2500	ug/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	ALUMINUM (TOTAL)	16300		2.3	20.4	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.7		0.42	1.02	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	BARIUM (TOTAL)	12.1	J	1.2	20.4	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.27	J	0.041	0.51	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	CALCIUM (TOTAL)	138	J	29.2	509	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	CHROMIUM (TOTAL)	15.7		0.11	1.02	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.3	5.09	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	COPPER (TOTAL)	3.4		0.22	2.55	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	IRON (TOTAL)	15000		2.8	10.2	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	LEAD (TOTAL)	9.3		0.14	0.31	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1030		30.6	509	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	MANGANESE (TOTAL)	43.9		0.12	1.53	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	NICKEL (TOTAL)	5.4		0.24	4.08	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	POTASSIUM (TOTAL)	350	J	32.4	509	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.72	J	0.37	0.51	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.49	J	0.38	1.02	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	VANADIUM (TOTAL)	23.3		0.3	5.09	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW6010B	ZINC (TOTAL)	14.6		0.23	2.04	mg/Kg
SS359-A	T6-D6B-02	10/3/2003	SW7471	MERCURY (TOTAL)	0.021	J	0.019	0.037	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	ALUMINUM (TOTAL)	15600		2.4	21.4	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.5		0.44	1.07	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	BARIUM (TOTAL)	11.8	J	1.2	21.4	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.27	J	0.043	0.53	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	CALCIUM (TOTAL)	135	J	30.6	534	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	CHROMIUM (TOTAL)	14.9		0.12	1.07	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.31	5.34	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	COPPER (TOTAL)	3.5		0.23	2.67	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	IRON (TOTAL)	14400		3	10.7	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	LEAD (TOTAL)	9.5		0.15	0.32	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	952		32.1	534	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	MANGANESE (TOTAL)	41.6		0.13	1.6	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	NICKEL (TOTAL)	5		0.26	4.27	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	POTASSIUM (TOTAL)	329	J	34	534	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.59	J	0.4	1.07	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	VANADIUM (TOTAL)	22.7		0.31	5.34	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW6010B	ZINC (TOTAL)	14.2		0.25	2.14	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW7471	MERCURY (TOTAL)	0.019	J	0.019	0.039	mg/Kg
SS359-A	T6-D6B-02FD	10/3/2003	SW8270C	DI-N-OCTYL PHTHALATE	98	J	47.7	380	ug/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	ALUMINUM (TOTAL)	17800		2.2	19.7	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.3		0.4	0.99	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS359-A	T6-D6B-03	10/3/2003	SW6010B	BARIUM (TOTAL)	14.3	J	1.1	19.7	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.04	0.49	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	CALCIUM (TOTAL)	131	J	28.3	493	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	CHROMIUM (TOTAL)	19		0.11	0.99	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	COBALT (TOTAL)	3.8	J	0.29	4.93	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	COPPER (TOTAL)	3.9		0.22	2.47	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	IRON (TOTAL)	16000		2.7	9.86	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	LEAD (TOTAL)	8.7		0.14	0.3	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1750		29.7	493	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	MANGANESE (TOTAL)	70.3		0.12	1.48	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	NICKEL (TOTAL)	8		0.24	3.95	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	POTASSIUM (TOTAL)	500		31.4	493	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.65	J	0.36	0.99	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	VANADIUM (TOTAL)	24.2		0.29	4.93	mg/Kg
SS359-A	T6-D6B-03	10/3/2003	SW6010B	ZINC (TOTAL)	18.4		0.23	1.97	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	ALUMINUM (TOTAL)	17700		2.6	23.3	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.4		0.48	1.16	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	BARIUM (TOTAL)	13.3	J	1.3	23.3	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.047	0.58	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	CALCIUM (TOTAL)	104	J	33.4	582	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	CHROMIUM (TOTAL)	16		0.13	1.16	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.34	5.82	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	COPPER (TOTAL)	6.6		0.26	2.91	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	IRON (TOTAL)	18300		3.2	11.6	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	LEAD (TOTAL)	12.2		0.16	0.35	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	740		35	582	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	MANGANESE (TOTAL)	32.6		0.14	1.75	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	1.2		0.13	1.16	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	NICKEL (TOTAL)	5.2		0.28	4.66	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	POTASSIUM (TOTAL)	334	J	37	582	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.77	J	0.42	0.58	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.48	J	0.43	1.16	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	VANADIUM (TOTAL)	28.7		0.34	5.82	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW6010B	ZINC (TOTAL)	15		0.27	2.33	mg/Kg
SS360-A	T7-D7-01	10/3/2003	SW7471	MERCURY (TOTAL)	0.031	J	0.021	0.042	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	ALUMINUM (TOTAL)	9550		2.6	23.6	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.6		0.48	1.18	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	BARIUM (TOTAL)	18	J	1.4	23.6	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	BORON (TOTAL)	4.5	J	0.74	11.8	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.6		0.059	0.59	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	CALCIUM (TOTAL)	157	J	33.8	589	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	CHROMIUM (TOTAL)	9.8		0.13	1.18	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	COBALT (TOTAL)	1.6	J	0.34	5.89	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	COPPER (TOTAL)	20		0.26	2.95	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS360-A	T7-D7-02	10/3/2003	SW6010B	IRON (TOTAL)	13600		3.3	11.8	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	LEAD (TOTAL)	26.1		0.17	0.35	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	559	J	35.5	589	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	MANGANESE (TOTAL)	28.4		0.14	1.77	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.85	J	0.13	1.18	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	NICKEL (TOTAL)	3.8	J	0.28	4.71	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	POTASSIUM (TOTAL)	345	J	37.5	589	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.95		0.35	0.59	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.53	J	0.44	1.18	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	VANADIUM (TOTAL)	27.2		0.34	5.89	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW6010B	ZINC (TOTAL)	14.3		0.27	2.36	mg/Kg
SS360-A	T7-D7-02	10/3/2003	SW7471	MERCURY (TOTAL)	0.076		0.017	0.033	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	ALUMINUM (TOTAL)	20600		2.5	22.6	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.3		0.46	1.13	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	BARIUM (TOTAL)	14.7	J	1.3	22.6	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.43	J	0.045	0.56	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	CALCIUM (TOTAL)	108	J	32.4	564	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	CHROMIUM (TOTAL)	20.4		0.12	1.13	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	COBALT (TOTAL)	3.6	J	0.33	5.64	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	COPPER (TOTAL)	3.9		0.25	2.82	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	IRON (TOTAL)	17900		3.1	11.3	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	LEAD (TOTAL)	10.3		0.16	0.34	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1200		33.9	564	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	MANGANESE (TOTAL)	53.1		0.14	1.69	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	NICKEL (TOTAL)	7.6		0.27	4.51	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	POTASSIUM (TOTAL)	419	J	35.9	564	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.7	J	0.41	0.56	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.77	J	0.42	1.13	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	VANADIUM (TOTAL)	27.2		0.33	5.64	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW6010B	ZINC (TOTAL)	21.2		0.26	2.26	mg/Kg
SS360-A	T7-D7-03	10/3/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.019	0.037	mg/Kg
SS361-A	T7-E7-01	10/3/2003	E314.0	PERCHLORATE	510		1.7	5.2	ug/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	ALUMINUM (TOTAL)	10400		2.5	23.1	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.6		0.47	1.15	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	BARIUM (TOTAL)	15.7	J	1.3	23.1	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.046	0.58	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.63		0.058	0.58	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	CALCIUM (TOTAL)	184	J	33.1	577	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	CHROMIUM (TOTAL)	10.9		0.13	1.15	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	COBALT (TOTAL)	1.5	J	0.33	5.77	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	COPPER (TOTAL)	14.4		0.25	2.88	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	IRON (TOTAL)	16400		3.2	11.5	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	LEAD (TOTAL)	19.5		0.16	0.35	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	585		34.7	577	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS361-A	T7-E7-01	10/3/2003	SW6010B	MANGANESE (TOTAL)	30.5		0.14	1.73	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	1.1	J	0.13	1.15	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	NICKEL (TOTAL)	3.6	J	0.28	4.61	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	POTASSIUM (TOTAL)	373	J	36.7	577	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.86	J	0.43	1.15	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	VANADIUM (TOTAL)	29.1		0.33	5.77	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW6010B	ZINC (TOTAL)	13.5		0.27	2.31	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW7471	MERCURY (TOTAL)	0.056		0.021	0.042	mg/Kg
SS361-A	T7-E7-01	10/3/2003	SW8330	NITROGLYCERIN	4600		1091	2500	ug/Kg
SS361-A	T7-E7-02	10/3/2003	E314.0	PERCHLORATE	4	J	1.7	5.1	ug/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	ALUMINUM (TOTAL)	21100		2.6	24	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.9		0.49	1.2	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	BARIUM (TOTAL)	14.1	J	1.4	24	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.4	J	0.048	0.6	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.094	J	0.06	0.6	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	CALCIUM (TOTAL)	122	J	34.3	599	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	CHROMIUM (TOTAL)	19		0.13	1.2	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	COBALT (TOTAL)	2.6	J	0.35	5.99	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	COPPER (TOTAL)	3.9		0.26	2.99	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	IRON (TOTAL)	19000		3.3	12	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	LEAD (TOTAL)	11.8		0.17	0.36	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	957		36	599	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	MANGANESE (TOTAL)	38.7		0.14	1.8	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.98	J	0.13	1.2	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	NICKEL (TOTAL)	6.5		0.29	4.79	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	POTASSIUM (TOTAL)	428	J	38.1	599	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.79	J	0.44	1.2	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	VANADIUM (TOTAL)	29.8		0.35	5.99	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW6010B	ZINC (TOTAL)	19.1		0.28	2.4	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW7471	MERCURY (TOTAL)	0.022	J	0.021	0.042	mg/Kg
SS361-A	T7-E7-02	10/3/2003	SW8330	NITROGLYCERIN	2600		1082	2500	ug/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	ALUMINUM (TOTAL)	19800		2.5	22.4	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.4		0.46	1.12	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	BARIUM (TOTAL)	17	J	1.3	22.4	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.44	J	0.045	0.56	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	CALCIUM (TOTAL)	144	J	32.1	560	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	CHROMIUM (TOTAL)	20.7		0.12	1.12	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	COBALT (TOTAL)	3.6	J	0.32	5.6	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	COPPER (TOTAL)	3.4		0.25	2.8	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	IRON (TOTAL)	17800		3.1	11.2	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	LEAD (TOTAL)	9.8		0.16	0.34	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1510		33.7	560	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	MANGANESE (TOTAL)	61.7		0.13	1.68	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	NICKEL (TOTAL)	7.6		0.27	4.48	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS361-A	T7-E7-03	10/3/2003	SW6010B	POTASSIUM (TOTAL)	550	J	35.6	560	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.71	J	0.41	1.12	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	VANADIUM (TOTAL)	27.5		0.32	5.6	mg/Kg
SS361-A	T7-E7-03	10/3/2003	SW6010B	ZINC (TOTAL)	19.2		0.26	2.24	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	ALUMINUM (TOTAL)	9280		2.7	24.4	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.5	1.22	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	BARIUM (TOTAL)	16.5	J	1.4	24.4	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	BORON (TOTAL)	4.6	J	0.77	12.2	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.32	J	0.061	0.61	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	CALCIUM (TOTAL)	159	J	35	610	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	CHROMIUM (TOTAL)	10.1		0.13	1.22	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	COBALT (TOTAL)	1.7	J	0.35	6.1	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	COPPER (TOTAL)	34.7		0.27	3.05	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	IRON (TOTAL)	13100		3.4	12.2	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	LEAD (TOTAL)	19.7		0.17	0.37	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	710		36.7	610	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	MANGANESE (TOTAL)	33.3		0.15	1.83	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.7	J	0.13	1.22	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	NICKEL (TOTAL)	3.9	J	0.29	4.88	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	POTASSIUM (TOTAL)	467	J	38.8	610	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.82		0.37	0.61	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.47	J	0.45	1.22	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	VANADIUM (TOTAL)	27.1		0.35	6.1	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW6010B	ZINC (TOTAL)	17.8		0.28	2.44	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW7471	MERCURY (TOTAL)	0.037	J	0.021	0.041	mg/Kg
SS362-A	T9-D9-01	10/3/2003	SW8270C	2,4,6-TRINITROTOLUENE	61000	TI	61000	61000	ug/Kg
SS362-A	T9-D9-01	10/3/2003	SW8270C	2,4-DINITROTOLUENE	460		79.2	420	ug/Kg
SS362-A	T9-D9-01	10/3/2003	SW8270C	2-AMINO-4,6-DINITROTOLUENE	140	TI	140	140	ug/Kg
SS362-A	T9-D9-01	10/3/2003	SW8270C	DI-N-BUTYL PHTHALATE	310	J	32.1	420	ug/Kg
SS362-A	T9-D9-01	10/3/2003	SW8270C	N-NITROSODIPHENYLAMINE	43	J	34.4	420	ug/Kg
SS362-A	T9-D9-01	10/3/2003	SW8330	2,4,6-TRINITROTOLUENE	290		10.4	120	ug/Kg
SS362-A	T9-D9-01	10/3/2003	SW8330	2,4-DINITROTOLUENE	300		18.3	120	ug/Kg
SS362-A	T9-D9-01	10/3/2003	SW8330	2-AMINO-4,6-DINITROTOLUENE	180	J	11.5	120	ug/Kg
SS362-A	T9-D9-01	10/3/2003	SW8330	4-AMINO-2,6-DINITROTOLUENE	170	J	10.8	120	ug/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	ALUMINUM (TOTAL)	11400		2.7	24.5	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.2		0.5	1.22	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	BARIUM (TOTAL)	13.1	J	1.4	24.5	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	BORON (TOTAL)	4.6	J	0.77	12.2	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.15	J	0.061	0.61	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	CALCIUM (TOTAL)	117	J	35.1	612	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	CHROMIUM (TOTAL)	10		0.13	1.22	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	COBALT (TOTAL)	1.4	J	0.36	6.12	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	COPPER (TOTAL)	5.7		0.27	3.06	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	IRON (TOTAL)	14800		3.4	12.2	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS362-A	T9-D9-02	10/3/2003	SW6010B	LEAD (TOTAL)	8.8		0.17	0.37	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	516	J	36.8	612	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	MANGANESE (TOTAL)	24.1		0.15	1.84	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.54	J	0.13	1.22	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	NICKEL (TOTAL)	3.1	J	0.29	4.9	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	POTASSIUM (TOTAL)	382	J	39	612	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.69		0.37	0.61	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	VANADIUM (TOTAL)	23.2		0.36	6.12	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW6010B	ZINC (TOTAL)	15.7		0.28	2.45	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW7471	MERCURY (TOTAL)	0.032	J	0.018	0.036	mg/Kg
SS362-A	T9-D9-02	10/3/2003	SW8270C	2,4-DINITROTOLUENE	240	J	79.5	420	ug/Kg
SS362-A	T9-D9-02	10/3/2003	SW8270C	DI-N-BUTYL PHTHALATE	160	J	32.2	420	ug/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	ALUMINUM (TOTAL)	17600		2.6	23.8	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.7		0.49	1.19	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	BARIUM (TOTAL)	14.7	J	1.4	23.8	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.41	J	0.048	0.6	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	BORON (TOTAL)	5.1	J	0.75	11.9	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	CALCIUM (TOTAL)	118	J	34.2	596	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	CHROMIUM (TOTAL)	16.3		0.13	1.19	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.35	5.96	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	COPPER (TOTAL)	3.2		0.26	2.98	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	IRON (TOTAL)	16800		3.3	11.9	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	LEAD (TOTAL)	9.5		0.17	0.36	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	873		35.8	596	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	MANGANESE (TOTAL)	37.2		0.14	1.79	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.6	J	0.13	1.19	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	NICKEL (TOTAL)	6.5		0.29	4.77	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	POTASSIUM (TOTAL)	484	J	37.9	596	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.99		0.36	0.6	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.71	J	0.44	1.19	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	VANADIUM (TOTAL)	24.9		0.35	5.96	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW6010B	ZINC (TOTAL)	20.4		0.27	2.38	mg/Kg
SS362-A	T9-D9-03	10/3/2003	SW7471	MERCURY (TOTAL)	0.021	J	0.018	0.035	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	ALUMINUM (TOTAL)	9380		3.4	22.2	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.2		0.39	1.11	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	BARIUM (TOTAL)	13.8	J	1.3	22.2	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	BORON (TOTAL)	1.7	J	0.71	11.1	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	CALCIUM (TOTAL)	119	J	36.1	555	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	CHROMIUM (TOTAL)	9.1		0.14	1.11	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	COBALT (TOTAL)	0.65	J	0.34	5.55	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	COPPER (TOTAL)	7.3		0.22	2.78	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	IRON (TOTAL)	14300		3.3	11.1	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	LEAD (TOTAL)	12.5		0.31	0.33	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	579		33.4	555	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS363-A	T9-C9-01	10/3/2003	SW6010B	MANGANESE (TOTAL)	25.6		0.11	1.67	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.68	J	0.13	1.11	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	NICKEL (TOTAL)	2.1	J	0.31	4.44	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	POTASSIUM (TOTAL)	384	J	57.9	555	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.71		0.33	0.56	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	SILVER (TOTAL)	0.21	J	0.17	1.11	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	SODIUM (TOTAL)	238	J	55.7	555	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.62	J	0.57	1.11	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	VANADIUM (TOTAL)	22.3		0.42	5.55	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW6010B	ZINC (TOTAL)	11.2		0.22	2.22	mg/Kg
SS363-A	T9-C9-01	10/3/2003	SW7471	MERCURY (TOTAL)	0.033	J	0.02	0.04	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	ALUMINUM (TOTAL)	14300		2.4	22	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.8		0.45	1.1	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	BARIUM (TOTAL)	14.2	J	1.3	22	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.044	0.55	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	BORON (TOTAL)	5	J	0.69	11	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.27	J	0.055	0.55	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	CALCIUM (TOTAL)	114	J	31.6	551	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	CHROMIUM (TOTAL)	12.3		0.12	1.1	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	COBALT (TOTAL)	1.9	J	0.32	5.51	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	COPPER (TOTAL)	5.2		0.24	2.75	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	IRON (TOTAL)	17100		3.1	11	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	LEAD (TOTAL)	11.9		0.15	0.33	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	631		33.1	551	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	MANGANESE (TOTAL)	29.6		0.13	1.65	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.87	J	0.12	1.1	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	NICKEL (TOTAL)	4.7		0.26	4.41	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	POTASSIUM (TOTAL)	425	J	35	551	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.73		0.33	0.55	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.67	J	0.41	1.1	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	VANADIUM (TOTAL)	25.6		0.32	5.51	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW6010B	ZINC (TOTAL)	16.5		0.25	2.2	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW7471	MERCURY (TOTAL)	0.045		0.018	0.036	mg/Kg
SS363-A	T9-C9-01FD	10/3/2003	SW8330	NITROGLYCERIN	2800		1032	2500	ug/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	ALUMINUM (TOTAL)	12300		2.4	22.1	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.4		0.45	1.11	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	BARIUM (TOTAL)	13.4	J	1.3	22.1	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.044	0.55	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	BORON (TOTAL)	4.7	J	0.7	11.1	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.41	J	0.055	0.55	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	CALCIUM (TOTAL)	95.1	J	31.7	553	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	CHROMIUM (TOTAL)	11.1		0.12	1.11	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	COBALT (TOTAL)	1.7	J	0.32	5.53	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	COPPER (TOTAL)	3.3		0.24	2.76	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS363-A	T9-C9-02	10/3/2003	SW6010B	IRON (TOTAL)	15700		3.1	11.1	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	LEAD (TOTAL)	8.2		0.15	0.33	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	593		33.3	553	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	MANGANESE (TOTAL)	29.2		0.13	1.66	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.84	J	0.12	1.11	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	NICKEL (TOTAL)	3.7	J	0.27	4.42	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	POTASSIUM (TOTAL)	359	J	35.2	553	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.5	J	0.33	0.55	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.7	J	0.41	1.11	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	VANADIUM (TOTAL)	22		0.32	5.53	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW6010B	ZINC (TOTAL)	14.6		0.25	2.21	mg/Kg
SS363-A	T9-C9-02	10/3/2003	SW7471	MERCURY (TOTAL)	0.027	J	0.017	0.034	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	ALUMINUM (TOTAL)	16400		2.3	20.6	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.42	1.03	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	BARIUM (TOTAL)	15.6	J	1.2	20.6	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.39	J	0.041	0.52	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	BORON (TOTAL)	5	J	0.65	10.3	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	CALCIUM (TOTAL)	101	J	29.5	515	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	CHROMIUM (TOTAL)	15.9		0.11	1.03	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	COBALT (TOTAL)	2.9	J	0.3	515	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	COPPER (TOTAL)	2.9		0.23	2.58	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	IRON (TOTAL)	16900		2.9	10.3	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	LEAD (TOTAL)	8.1		0.14	0.31	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1020		31	515	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	MANGANESE (TOTAL)	44.8		0.12	1.55	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.84	J	0.11	1.03	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	NICKEL (TOTAL)	6.7		0.25	4.12	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	POTASSIUM (TOTAL)	422	J	32.8	515	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.72		0.31	0.52	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.7	J	0.38	1.03	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	VANADIUM (TOTAL)	22.5		0.3	5.15	mg/Kg
SS363-A	T9-C9-03	10/3/2003	SW6010B	ZINC (TOTAL)	16		0.24	2.06	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	ALUMINUM (TOTAL)	8330		2.5	22.3	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	ARSENIC (TOTAL)	4.2		0.46	1.12	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	BARIUM (TOTAL)	70.4		1.3	22.3	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.38	J	0.045	0.56	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.57		0.056	0.56	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	CALCIUM (TOTAL)	334	J	32	558	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	CHROMIUM (TOTAL)	9.2		0.12	1.12	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	COBALT (TOTAL)	1.9	J	0.32	5.58	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	COPPER (TOTAL)	19.2		0.25	2.79	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	IRON (TOTAL)	13400		3.1	11.2	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	LEAD (TOTAL)	26		0.16	0.33	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	594		33.6	558	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS364-A	T9-F9A-01	10/6/2003	SW6010B	MANGANESE (TOTAL)	851		0.13	1.67	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	NICKEL (TOTAL)	5.6		0.27	4.46	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	POTASSIUM (TOTAL)	533	J	35.5	558	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.61	J	0.4	0.56	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	VANADIUM (TOTAL)	26.9		0.32	5.58	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW6010B	ZINC (TOTAL)	27.3		0.26	2.23	mg/Kg
SS364-A	T9-F9A-01	10/6/2003	SW7471	MERCURY (TOTAL)	0.074		0.02	0.04	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	ALUMINUM (TOTAL)	9540		2.5	22.4	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	ARSENIC (TOTAL)	3.4		0.46	1.12	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	BARIUM (TOTAL)	68.1		1.3	22.4	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.43	J	0.045	0.56	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	CALCIUM (TOTAL)	223	J	32.1	560	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	CHROMIUM (TOTAL)	10.3		0.12	1.12	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	COBALT (TOTAL)	2.5	J	0.32	5.6	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	COPPER (TOTAL)	15.3		0.25	2.8	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	IRON (TOTAL)	14900		3.1	11.2	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	LEAD (TOTAL)	13.5		0.16	0.34	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	692		33.7	560	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	MANGANESE (TOTAL)	1460		1.3	16.8	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	NICKEL (TOTAL)	4.7		0.27	4.48	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	POTASSIUM (TOTAL)	535	J	35.6	560	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	VANADIUM (TOTAL)	20.1		0.32	5.6	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW6010B	ZINC (TOTAL)	24.1		0.26	2.24	mg/Kg
SS364-A	T9-F9A-02	10/6/2003	SW7471	MERCURY (TOTAL)	0.05		0.018	0.037	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	ALUMINUM (TOTAL)	11700		2.6	23.4	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	ARSENIC (TOTAL)	3.6		0.48	1.17	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	BARIUM (TOTAL)	44.1		1.3	23.4	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.45	J	0.047	0.58	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	BORON (TOTAL)	2.1	J	0.75	11.7	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	CALCIUM (TOTAL)	198	J	33.5	584	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	CHROMIUM (TOTAL)	12.7		0.13	1.17	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	COBALT (TOTAL)	2.9	J	0.34	5.84	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	COPPER (TOTAL)	12.1		0.26	2.92	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	IRON (TOTAL)	15900		3.2	11.7	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	LEAD (TOTAL)	10.5		0.16	0.35	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	982		35.2	584	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	MANGANESE (TOTAL)	920		0.14	1.75	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.49	J	0.13	1.17	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	NICKEL (TOTAL)	5.2		0.28	4.68	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	POTASSIUM (TOTAL)	638		37.2	584	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.83		0.42	0.58	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	VANADIUM (TOTAL)	21.3		0.34	5.84	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW6010B	ZINC (TOTAL)	23.6		0.27	2.34	mg/Kg
SS364-A	T9-F9A-03	10/6/2003	SW7471	MERCURY (TOTAL)	0.039		0.017	0.034	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS365-A	T9-F9B-01	10/6/2003	SW6010B	ALUMINUM (TOTAL)	4660		2.6	23.6	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	ARSENIC (TOTAL)	3.1		0.48	1.18	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	BARIUM (TOTAL)	19.3	J	1.4	23.6	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	BORON (TOTAL)	4.1	J	0.74	11.8	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.15	J	0.059	0.59	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	CALCIUM (TOTAL)	204	J	33.8	590	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	CHROMIUM (TOTAL)	5.7		0.13	1.18	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	COBALT (TOTAL)	0.9	J	0.34	5.9	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	COPPER (TOTAL)	5.8		0.26	2.95	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	IRON (TOTAL)	8110		3.3	11.8	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	LEAD (TOTAL)	23.2		0.17	0.35	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	352	J	35.5	590	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	MANGANESE (TOTAL)	29.6		0.14	1.77	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.54	J	0.13	1.18	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	NICKEL (TOTAL)	2.8	J	0.28	4.72	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	POTASSIUM (TOTAL)	403	J	37.5	590	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.4	J	0.35	6.59	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	SODIUM (TOTAL)	86.8	J	53.5	590	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	VANADIUM (TOTAL)	19.5		0.34	5.9	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW6010B	ZINC (TOTAL)	9.8		0.27	2.36	mg/Kg
SS365-A	T9-F9B-01	10/6/2003	SW7471	MERCURY (TOTAL)	0.059		0.019	0.038	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	ALUMINUM (TOTAL)	9470		2.5	23	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	ARSENIC (TOTAL)	3.1		0.47	1.15	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	BARIUM (TOTAL)	15.1	J	1.3	23	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.046	0.57	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	BORON (TOTAL)	3.8	J	0.72	11.5	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	CALCIUM (TOTAL)	91.4	J	33	575	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	CHROMIUM (TOTAL)	8.4		0.13	1.15	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	COBALT (TOTAL)	1	J	0.33	5.75	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	COPPER (TOTAL)	2.4	J	0.25	2.87	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	IRON (TOTAL)	11600		3.2	11.5	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	LEAD (TOTAL)	8.7		0.16	0.34	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	441	J	34.6	575	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	MANGANESE (TOTAL)	29.8		0.14	1.72	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.5	J	0.13	1.15	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	NICKEL (TOTAL)	2.3	J	0.28	4.6	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	POTASSIUM (TOTAL)	372	J	36.6	575	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.6		0.34	0.57	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	VANADIUM (TOTAL)	16.3		0.33	5.75	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW6010B	ZINC (TOTAL)	8.3		0.26	2.3	mg/Kg
SS365-A	T9-F9B-02	10/6/2003	SW7471	MERCURY (TOTAL)	0.031	J	0.019	0.037	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	ALUMINUM (TOTAL)	9250		2.6	23.3	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	ARSENIC (TOTAL)	3		0.48	1.16	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	BARIUM (TOTAL)	14.7	J	1.3	23.3	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	BORON (TOTAL)	3.9	J	0.73	11.6	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	CALCIUM (TOTAL)	88.3	J	33.4	582	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	CHROMIUM (TOTAL)	8		0.13	1.16	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	COBALT (TOTAL)	1	J	0.34	5.82	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	COPPER (TOTAL)	2.7	J	0.26	2.91	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	IRON (TOTAL)	12300		3.2	11.6	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	LEAD (TOTAL)	8.4		0.16	0.35	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	423	J	35	582	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	MANGANESE (TOTAL)	29.8		0.14	1.75	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.47	J	0.13	1.16	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	NICKEL (TOTAL)	2	J	0.28	4.66	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	POTASSIUM (TOTAL)	404	J	37	582	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.55	J	0.35	0.58	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.62	J	0.43	1.16	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	VANADIUM (TOTAL)	16.8		0.34	5.82	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW6010B	ZINC (TOTAL)	7.6		0.27	2.33	mg/Kg
SS365-A	T9-F9B-02FD	10/6/2003	SW7471	MERCURY (TOTAL)	0.037	J	0.02	0.04	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	ALUMINUM (TOTAL)	13700		2.4	22.1	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	ANTIMONY (TOTAL)	0.59	J	0.57	6.63	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	ARSENIC (TOTAL)	4.3		0.45	1.1	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	BARIUM (TOTAL)	16.6	J	1.3	22.1	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.044	0.55	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	BORON (TOTAL)	4.6	J	0.7	11	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	CALCIUM (TOTAL)	113	J	31.7	552	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	CHROMIUM (TOTAL)	12.6		0.12	1.1	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	COBALT (TOTAL)	1.7	J	0.32	5.52	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	COPPER (TOTAL)	2.7	J	0.24	2.76	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	IRON (TOTAL)	13700		3.1	11	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	LEAD (TOTAL)	8.8		0.15	0.33	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	745		33.2	552	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	MANGANESE (TOTAL)	38.3		0.13	1.66	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.46	J	0.12	1.1	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	NICKEL (TOTAL)	4.1	J	0.27	4.42	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	POTASSIUM (TOTAL)	459	J	35.1	552	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.64		0.33	0.55	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	VANADIUM (TOTAL)	21.3		0.32	5.52	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW6010B	ZINC (TOTAL)	13		0.25	2.21	mg/Kg
SS365-A	T9-F9B-03	10/6/2003	SW7471	MERCURY (TOTAL)	0.034		0.016	0.033	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	ALUMINUM (TOTAL)	6860		2.6	24	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	ARSENIC (TOTAL)	3.2		0.49	1.2	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	BARIUM (TOTAL)	16.5	J	1.4	24	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.048	0.6	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.19	J	0.06	0.6	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	CALCIUM (TOTAL)	525	J	34.3	599	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS366-A	T10-D10B-01	10/6/2003	SW6010B	CHROMIUM (TOTAL)	6.7		0.13	1.22	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	COBALT (TOTAL)	0.88	J	0.35	5.99	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	COPPER (TOTAL)	5.8		0.26	2.99	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	IRON (TOTAL)	10000		3.3	12	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	LEAD (TOTAL)	19.6		0.17	0.36	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	376	J	36	599	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	MANGANESE (TOTAL)	30.2		0.14	1.8	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	NICKEL (TOTAL)	3.1	J	0.29	4.79	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	POTASSIUM (TOTAL)	363	J	38.1	599	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	VANADIUM (TOTAL)	27.4		0.35	5.99	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW6010B	ZINC (TOTAL)	13.5		0.28	2.4	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW7471	MERCURY (TOTAL)	0.024	J	0.02	0.041	mg/Kg
SS366-A	T10-D10B-01	10/6/2003	SW8270C	DI-N-BUTYL PHTHALATE	40	J	31.8	410	ug/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	ALUMINUM (TOTAL)	13200		2.5	23	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	ARSENIC (TOTAL)	3.4		0.47	1.15	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	BARIUM (TOTAL)	14.7	J	1.3	23	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.046	0.58	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.076	J	0.058	0.58	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	CALCIUM (TOTAL)	194	J	33	575	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	CHROMIUM (TOTAL)	10.6		0.13	1.15	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	COBALT (TOTAL)	1.3	J	0.33	5.75	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	COPPER (TOTAL)	3		0.25	2.88	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	IRON (TOTAL)	12100		3.2	11.5	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	LEAD (TOTAL)	9.5		0.16	0.35	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	505	J	34.6	575	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	MANGANESE (TOTAL)	26.5		0.14	1.73	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	NICKEL (TOTAL)	4	J	0.28	4.6	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	POTASSIUM (TOTAL)	361	J	36.6	575	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.53	J	0.41	0.58	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	VANADIUM (TOTAL)	20.9		0.33	5.75	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW6010B	ZINC (TOTAL)	13.4		0.26	2.3	mg/Kg
SS366-A	T10-D10B-02	10/6/2003	SW8330	NITROGLYCERIN	3600		1059	2500	ug/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	ALUMINUM (TOTAL)	10100		2.4	21.6	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	ARSENIC (TOTAL)	3.1		0.44	1.08	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	BARIUM (TOTAL)	11.8	J	1.2	21.6	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.043	0.54	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	CALCIUM (TOTAL)	190	J	30.9	539	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	CHROMIUM (TOTAL)	9.2		0.12	1.08	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	COBALT (TOTAL)	1.3	J	0.31	5.39	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	COPPER (TOTAL)	1.5	J	0.24	2.7	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	IRON (TOTAL)	10400		3	10.8	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	LEAD (TOTAL)	6.1		0.15	0.32	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	579		32.4	539	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	MANGANESE (TOTAL)	35		0.13	1.62	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS366-A	T10-D10B-03	10/6/2003	SW6010B	NICKEL (TOTAL)	3.1	J	0.26	4.31	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	POTASSIUM (TOTAL)	300	J	34.3	539	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	VANADIUM (TOTAL)	17.2		0.31	5.39	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW6010B	ZINC (TOTAL)	10.1		0.25	2.16	mg/Kg
SS366-A	T10-D10B-03	10/6/2003	SW8270C	BENZO(B)FLUORANTHENE	66	J	65.5	390	ug/Kg
SS366-A	T10-D10B-03	10/6/2003	SW8270C	BENZO(K)FLUORANTHENE	58	J	45.3	390	ug/Kg
SS366-A	T10-D10B-03	10/6/2003	SW8270C	CHRYSENE	38	J	30.8	390	ug/Kg
SS367-A	T10-C10A	10/6/2003	SW8260B	ACETONE	1100	J	2.85	11	ug/Kg
SS367-A	T10-C10A	10/6/2003	SW8260B	CHLOROFORM	3.9	J	0.28	11	ug/Kg
SS367-A	T10-C10A	10/6/2003	SW8260B	METHYL ETHYL KETONE (2-BUTANONE)	22		1.61	11	ug/Kg
SS367-A	T10-C10A	10/6/2003	SW8260B	TOLUENE	3.7	J	0.273	11	ug/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	ALUMINUM (TOTAL)	7860		2.4	21.8	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	ARSENIC (TOTAL)	3.5		0.45	1.09	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	BARIUM (TOTAL)	16.1	J	1.3	21.8	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.2	J	0.044	0.55	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	BORON (TOTAL)	2.2	J	0.7	10.9	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.12	J	0.055	0.55	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	CALCIUM (TOTAL)	221	J	31.3	546	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	CHROMIUM (TOTAL)	8.3		0.12	1.09	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	COBALT (TOTAL)	1.3	J	0.32	5.46	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	COPPER (TOTAL)	5.2		0.24	2.73	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	IRON (TOTAL)	11600		3	10.9	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	LEAD (TOTAL)	20.4		0.15	0.33	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	535	J	32.8	546	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	MANGANESE (TOTAL)	29.2		0.13	1.64	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.9	J	0.12	1.09	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	NICKEL (TOTAL)	3.4	J	0.26	4.37	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	POTASSIUM (TOTAL)	367	J	34.7	546	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.71	J	0.4	1.09	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	VANADIUM (TOTAL)	25.9		0.32	5.46	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW6010B	ZINC (TOTAL)	11.2		0.25	2.18	mg/Kg
SS367-A	T10-D10A-01	10/3/2003	SW7471	MERCURY (TOTAL)	0.041		0.02	0.039	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	ALUMINUM (TOTAL)	14300		2.4	22.1	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	ARSENIC (TOTAL)	3.4		0.45	1.1	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	BARIUM (TOTAL)	12.3	J	1.3	22.1	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.044	0.55	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	BORON (TOTAL)	1.9	J	0.71	11	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	CALCIUM (TOTAL)	143	J	31.7	552	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	CHROMIUM (TOTAL)	12.9		0.12	1.1	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	COBALT (TOTAL)	1.8	J	0.32	5.52	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	COPPER (TOTAL)	2.6	J	0.24	2.76	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	IRON (TOTAL)	13000		3.1	11	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	LEAD (TOTAL)	8.5		0.15	0.33	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	659		33.2	552	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS367-A	T10-D10A-02	10/3/2003	SW6010B	MANGANESE (TOTAL)	30.5		0.13	1.66	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.92	J	0.12	1.1	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	NICKEL (TOTAL)	4.1	J	0.27	4.42	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	POTASSIUM (TOTAL)	402	J	35.1	552	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.94		0.4	0.55	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.48	J	0.41	1.1	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	VANADIUM (TOTAL)	21.2		0.32	5.52	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW6010B	ZINC (TOTAL)	12.1		0.25	2.21	mg/Kg
SS367-A	T10-D10A-02	10/3/2003	SW7471	MERCURY (TOTAL)	0.035		0.018	0.035	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	ALUMINUM (TOTAL)	16300		2.5	22.5	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	ARSENIC (TOTAL)	3.9		0.46	1.12	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	BARIUM (TOTAL)	15.7	J	1.3	22.5	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.045	0.56	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	BORON (TOTAL)	2.2	J	0.72	11.2	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	CALCIUM (TOTAL)	138	J	32.3	562	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	CHROMIUM (TOTAL)	16.7		0.12	1.12	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	COBALT (TOTAL)	2.9	J	0.33	5.62	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	COPPER (TOTAL)	2.6	J	0.25	2.81	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	IRON (TOTAL)	13500		3.1	11.2	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	LEAD (TOTAL)	8.1		0.16	0.34	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1300		33.8	562	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	MANGANESE (TOTAL)	51.4		0.14	1.69	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.8	J	0.12	1.12	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	NICKEL (TOTAL)	6.6		0.27	4.5	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	POTASSIUM (TOTAL)	499	J	35.8	562	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.63	J	0.42	1.12	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	VANADIUM (TOTAL)	22		0.33	5.62	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW6010B	ZINC (TOTAL)	15.3		0.26	2.25	mg/Kg
SS367-A	T10-D10A-03	10/3/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.018	0.036	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	ALUMINUM (TOTAL)	10900		2.7	24.8	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	ARSENIC (TOTAL)	4.7		0.51	1.24	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	BARIUM (TOTAL)	37.7		1.4	24.8	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.05	0.62	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	BORON (TOTAL)	2.7	J	0.79	12.4	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.13	J	0.062	0.62	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	CALCIUM (TOTAL)	351	J	35.6	621	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	CHROMIUM (TOTAL)	11.7		0.14	1.24	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	COBALT (TOTAL)	1.6	J	0.36	6.21	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	COPPER (TOTAL)	23.4		0.27	3.1	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	IRON (TOTAL)	18200		3.5	12.4	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	LEAD (TOTAL)	26.7		0.17	0.37	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	695		37.3	621	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	MANGANESE (TOTAL)	47.4		0.15	1.86	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	1.4		0.14	1.24	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS368-A	T10-C10B-01	10/6/2003	SW6010B	NICKEL (TOTAL)	5.1		0.3	4.97	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	POTASSIUM (TOTAL)	566	J	39.5	621	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.79	J	0.46	1.24	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	VANADIUM (TOTAL)	35.5		0.36	6.21	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW6010B	ZINC (TOTAL)	15.4		0.29	2.48	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW7471	MERCURY (TOTAL)	0.065		0.021	0.042	mg/Kg
SS368-A	T10-C10B-01	10/6/2003	SW8270C	2,4-DINITROTOLUENE	190	J	82.1	430	ug/Kg
SS368-A	T10-C10B-01	10/6/2003	SW8270C	DI-N-BUTYL PHTHALATE	140	J	33.3	430	ug/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	ALUMINUM (TOTAL)	17500		2.8	25.1	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.51	1.25	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	BARIUM (TOTAL)	35.8		1.4	25.1	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.54	J	0.05	0.63	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	BORON (TOTAL)	2	J	0.8	12.5	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	CALCIUM (TOTAL)	199	J	35.9	626	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	CHROMIUM (TOTAL)	15.6		0.14	1.25	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	COBALT (TOTAL)	2	J	0.36	6.26	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	COPPER (TOTAL)	10.7		0.28	3.13	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	IRON (TOTAL)	20900		3.5	12.5	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	LEAD (TOTAL)	14.3		0.18	0.38	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	803		37.7	626	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	MANGANESE (TOTAL)	58.9		0.15	1.88	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	1.3		0.14	1.25	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	NICKEL (TOTAL)	6.5		0.3	5.01	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	POTASSIUM (TOTAL)	560	J	39.8	626	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.89	J	0.46	1.25	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	VANADIUM (TOTAL)	30.7		0.36	6.26	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW6010B	ZINC (TOTAL)	18.2		0.29	2.51	mg/Kg
SS368-A	T10-C10B-02	10/6/2003	SW7471	MERCURY (TOTAL)	0.051		0.022	0.044	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	ALUMINUM (TOTAL)	20400		2.9	26.1	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	ARSENIC (TOTAL)	6		0.54	1.31	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	BARIUM (TOTAL)	42.1		1.5	26.1	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.61	J	0.052	0.65	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	BORON (TOTAL)	2.1	J	0.84	13.1	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	CALCIUM (TOTAL)	231	J	37.5	654	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	CHROMIUM (TOTAL)	18.4		0.14	1.31	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.38	6.54	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	COPPER (TOTAL)	11.6		0.29	3.27	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	IRON (TOTAL)	24500		3.6	13.1	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	LEAD (TOTAL)	16.6		0.18	0.38	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	943		39.3	626	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	MANGANESE (TOTAL)	71.8		0.16	1.88	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	1.7		0.14	1.25	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	NICKEL (TOTAL)	7.6		0.31	5.01	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	POTASSIUM (TOTAL)	683		41.6	626	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	THALLIUM (TOTAL)	1.3		0.48	1.25	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	VANADIUM (TOTAL)	36.4		0.38	6.26	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW6010B	ZINC (TOTAL)	20.5		0.3	2.51	mg/Kg
SS368-A	T10-C10B-02FD	10/6/2003	SW7471	MERCURY (TOTAL)	0.032	J	0.021	0.043	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	ALUMINUM (TOTAL)	22600		2.4	22.1	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	ARSENIC (TOTAL)	6.4		0.45	1.1	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	BARIUM (TOTAL)	43.8		1.3	22.1	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.67		0.044	0.55	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	BORON (TOTAL)	2.4	J	0.71	11	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	CALCIUM (TOTAL)	259	J	31.7	552	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	CHROMIUM (TOTAL)	21.6		0.12	1.1	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	COBALT (TOTAL)	3.5	J	0.32	5.52	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	COPPER (TOTAL)	11		0.24	2.76	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	IRON (TOTAL)	23900		3.1	11	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	LEAD (TOTAL)	15.1		0.15	0.33	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1320		33.2	552	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	MANGANESE (TOTAL)	94.2		0.13	1.66	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	1.4		0.12	1.1	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	NICKEL (TOTAL)	11.5		0.27	4.42	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	POTASSIUM (TOTAL)	673		35.1	552	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	THALLIUM (TOTAL)	1.4		0.41	1.1	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	VANADIUM (TOTAL)	34		0.32	5.52	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW6010B	ZINC (TOTAL)	23.2		0.25	2.21	mg/Kg
SS368-A	T10-C10B-03	10/6/2003	SW7471	MERCURY (TOTAL)	0.031	J	0.021	0.042	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	ALUMINUM (TOTAL)	13000		2.5	22.3	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	ARSENIC (TOTAL)	4.6		0.46	1.11	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	BARIUM (TOTAL)	16.8	J	1.3	22.3	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.27	J	0.044	0.56	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	BORON (TOTAL)	2.6	J	0.71	11.1	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.13	J	0.056	0.56	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	CALCIUM (TOTAL)	249	J	31.9	556	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	CHROMIUM (TOTAL)	13.9		0.12	1.11	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.32	5.56	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	COPPER (TOTAL)	5.5		0.24	2.78	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	IRON (TOTAL)	12500		3.1	11.1	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	LEAD (TOTAL)	15.7		0.16	0.33	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1170		33.5	556	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	MANGANESE (TOTAL)	48.5		0.13	1.67	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.77	J	0.12	1.11	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	NICKEL (TOTAL)	6.6		0.27	4.45	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	POTASSIUM (TOTAL)	504	J	35.4	556	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.77		0.33	0.56	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.47	J	0.41	1.11	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW6010B	VANADIUM (TOTAL)	28.4		0.32	5.56	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS369-A	T10-C10A-01	10/6/2003	SW6010B	ZINC (TOTAL)	18.4		0.26	2.23	mg/Kg
SS369-A	T10-C10A-01	10/6/2003	SW7471	MERCURY (TOTAL)	0.036		0.018	0.036	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	ALUMINUM (TOTAL)	13700		2.5	22.5	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	ARSENIC (TOTAL)	5.8		0.46	1.12	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	BARIUM (TOTAL)	17.7	J	1.3	22.5	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.31	J	0.045	0.56	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	BORON (TOTAL)	2.2	J	0.72	11.2	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.095	J	0.056	0.56	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	CALCIUM (TOTAL)	177	J	32.2	562	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	CHROMIUM (TOTAL)	14.2		0.12	1.21	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	COBALT (TOTAL)	2.3	J	0.33	5.62	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	COPPER (TOTAL)	5		0.25	2.81	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	IRON (TOTAL)	15400		3.1	11.2	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	LEAD (TOTAL)	15.4		0.16	0.34	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1090		33.8	562	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	MANGANESE (TOTAL)	43.8		0.13	1.68	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	1	J	0.12	1.12	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	NICKEL (TOTAL)	5.9		0.27	4.49	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	POTASSIUM (TOTAL)	520	J	35.7	562	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.66	J	0.42	1.12	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	VANADIUM (TOTAL)	28.8		0.33	5.62	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW6010B	ZINC (TOTAL)	15.8		0.26	2.25	mg/Kg
SS369-A	T10-C10A-02	10/6/2003	SW7471	MERCURY (TOTAL)	0.023	J	0.02	0.04	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	ALUMINUM (TOTAL)	13600		2.5	23.1	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	ARSENIC (TOTAL)	4.7		0.47	1.15	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	BARIUM (TOTAL)	14.4	J	1.3	23.1	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.31	J	0.046	0.58	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	BORON (TOTAL)	2	J	0.74	11.5	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.1	J	0.058	0.58	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	CALCIUM (TOTAL)	122	J	33.1	576	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	CHROMIUM (TOTAL)	13		0.13	1.15	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	COBALT (TOTAL)	1.9	J	0.33	5.76	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	COPPER (TOTAL)	4		0.25	2.88	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	IRON (TOTAL)	13900		3.2	11.5	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	LEAD (TOTAL)	14.3		0.16	0.35	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	772		34.7	576	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	MANGANESE (TOTAL)	33.9		0.14	1.73	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.97	J	0.13	1.15	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	NICKEL (TOTAL)	4.8		0.28	4.61	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	POTASSIUM (TOTAL)	445	J	36.7	576	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.85		0.42	0.58	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.69	J	0.43	1.15	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	VANADIUM (TOTAL)	25		0.33	5.76	mg/Kg
SS369-A	T10-C10A-03	10/6/2003	SW6010B	ZINC (TOTAL)	15.9		0.27	2.31	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS369-A	T10-C10A-03	10/6/2003	SW7471	MERCURY (TOTAL)	0.036	J	0.02	0.04	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	ALUMINUM (TOTAL)	18300		2.8	25.7	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	ARSENIC (TOTAL)	5.5		0.53	1.28	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	BARIUM (TOTAL)	21.9	J	1.5	25.7	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.051	0.64	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	BORON (TOTAL)	2.6	J	0.82	12.8	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	CALCIUM (TOTAL)	204	J	36.8	642	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	CHROMIUM (TOTAL)	19.5		0.14	1.28	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	COBALT (TOTAL)	3.4	J	0.37	6.42	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	COPPER (TOTAL)	8.8		0.28	3.21	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	IRON (TOTAL)	17500		3.6	12.8	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	LEAD (TOTAL)	18.2		0.18	0.39	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1530		38.7	642	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	MANGANESE (TOTAL)	61.5		0.15	1.93	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.81	J	0.14	1.28	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	NICKEL (TOTAL)	8.1		0.31	5.14	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	POTASSIUM (TOTAL)	637	J	40.9	642	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.65		0.46	0.64	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.5	J	0.48	1.28	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	VANADIUM (TOTAL)	33.9		0.37	6.42	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW6010B	ZINC (TOTAL)	19.6		0.3	2.57	mg/Kg
SS370-A	T16-D16A-01	10/6/2003	SW7471	MERCURY (TOTAL)	0.042	J	0.022	0.044	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	ALUMINUM (TOTAL)	16800		2.6	23.1	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	ARSENIC (TOTAL)	5.4		0.47	1.16	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	BARIUM (TOTAL)	22	J	1.3	23.1	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.39	J	0.046	0.58	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	BORON (TOTAL)	2.7	J	0.74	11.6	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	CALCIUM (TOTAL)	189	J	33.1	578	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	CHROMIUM (TOTAL)	18.1		0.13	1.16	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	COBALT (TOTAL)	3.3	J	0.34	5.78	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	COPPER (TOTAL)	8.3		0.25	2.89	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	IRON (TOTAL)	16900		3.2	11.6	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	LEAD (TOTAL)	19.8		0.16	0.35	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1620		34.7	578	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	MANGANESE (TOTAL)	62.3		0.14	1.73	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.71	J	0.13	1.16	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	NICKEL (TOTAL)	7.9		0.28	4.62	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	POTASSIUM (TOTAL)	654		36.7	578	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.7	J	0.43	1.16	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	VANADIUM (TOTAL)	34.4		0.34	5.78	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW6010B	ZINC (TOTAL)	19.7		0.27	2.31	mg/Kg
SS370-A	T16-D16A-01FD	10/6/2003	SW7471	MERCURY (TOTAL)	0.033	J	0.022	0.043	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	ALUMINUM (TOTAL)	19200		2.5	22.8	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	ARSENIC (TOTAL)	5		0.47	1.14	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS370-A	T16-D16A-02	10/6/2003	SW6010B	BARIUM (TOTAL)	20.1	J	1.3	22.8	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.54	J	0.046	0.57	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	BORON (TOTAL)	2.2	J	0.73	11.4	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.18	J	0.057	0.57	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	CALCIUM (TOTAL)	152	J	32.7	571	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	CHROMIUM (TOTAL)	19		0.13	1.14	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	COBALT (TOTAL)	3.1	J	0.33	5.71	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	COPPER (TOTAL)	9.4		0.25	2.85	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	IRON (TOTAL)	18400		3.2	11.4	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	LEAD (TOTAL)	12.7		0.16	0.34	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1320		34.3	571	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	MANGANESE (TOTAL)	52		0.14	1.71	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.81	J	0.13	1.14	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	NICKEL (TOTAL)	7.2		0.27	4.56	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	POTASSIUM (TOTAL)	550	J	36.3	571	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.84		0.41	0.57	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	VANADIUM (TOTAL)	29.6		0.33	5.71	mg/Kg
SS370-A	T16-D16A-02	10/6/2003	SW6010B	ZINC (TOTAL)	19.8		0.26	2.28	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	ALUMINUM (TOTAL)	21000		2.7	24.3	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	ARSENIC (TOTAL)	5.5		0.5	1.21	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	BARIUM (TOTAL)	21	J	1.4	24.3	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.46	J	0.049	0.61	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	BORON (TOTAL)	2.5	J	0.78	12.1	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	CALCIUM (TOTAL)	171	J	34.8	607	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	CHROMIUM (TOTAL)	22.4		0.13	1.21	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	COBALT (TOTAL)	4	J	0.35	6.07	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	COPPER (TOTAL)	4.3		0.27	3.03	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	IRON (TOTAL)	19700		3.4	12.1	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	LEAD (TOTAL)	10.4		0.17	0.36	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1810		36.5	607	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	MANGANESE (TOTAL)	71.4		0.15	1.82	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.79	J	0.13	1.21	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	NICKEL (TOTAL)	8.3		0.29	4.85	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	POTASSIUM (TOTAL)	689		38.6	607	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.72		0.44	0.61	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.78	J	0.45	1.21	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	VANADIUM (TOTAL)	31.2		0.35	6.07	mg/Kg
SS370-A	T16-D16A-03	10/6/2003	SW6010B	ZINC (TOTAL)	21.7		0.28	2.43	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	ALUMINUM (TOTAL)	15400		2.4	22.1	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.6		0.45	1.11	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	BARIUM (TOTAL)	23.4		1.3	22.1	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.41	J	0.044	0.55	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	BORON (TOTAL)	2.8	J	0.71	11.1	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	CADMIUM (TOTAL)	0.12	J	0.055	0.55	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS371-A	T16-D16B-01	10/3/2003	SW6010B	CALCIUM (TOTAL)	298	J	31.7	553	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	CHROMIUM (TOTAL)	17.3		0.12	1.11	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	COBALT (TOTAL)	3.3	J	0.32	5.53	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	COPPER (TOTAL)	8		0.24	2.76	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	IRON (TOTAL)	15800		3.1	11.1	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	LEAD (TOTAL)	27.7		0.15	0.33	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1510		33.3	553	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	MANGANESE (TOTAL)	61.6		0.13	1.66	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.68	J	0.12	1.11	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	NICKEL (TOTAL)	78.9		0.27	4.42	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	POTASSIUM (TOTAL)	603		35.2	553	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.7	J	0.41	1.11	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	VANADIUM (TOTAL)	35.4		0.32	5.53	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW6010B	ZINC (TOTAL)	19.3		0.25	2.21	mg/Kg
SS371-A	T16-D16B-01	10/3/2003	SW7471	MERCURY (TOTAL)	0.036	J	0.02	0.041	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	E314.0	PERCHLORATE	3.6	J	1.6	5.1	ug/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	ALUMINUM (TOTAL)	15500		2.5	22.2	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	ARSENIC (TOTAL)	4.6		0.46	1.11	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	BARIUM (TOTAL)	14.1	J	1.3	22.2	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.044	0.56	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	BORON (TOTAL)	1.7	J	0.71	11.1	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	CALCIUM (TOTAL)	148	J	31.9	556	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	CHROMIUM (TOTAL)	13.8		0.12	1.11	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	COBALT (TOTAL)	1.7	J	0.32	5.56	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	COPPER (TOTAL)	2.8		0.24	2.78	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	IRON (TOTAL)	16700		3.1	11.1	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	LEAD (TOTAL)	11.8		0.16	0.33	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	590		33.5	556	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	MANGANESE (TOTAL)	26.9		0.13	1.67	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.62	J	0.12	1.11	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	NICKEL (TOTAL)	4	J	0.27	4.45	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	POTASSIUM (TOTAL)	409	J	35.4	556	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.66		0.4	0.56	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.6	J	0.41	1.11	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	VANADIUM (TOTAL)	29.5		0.32	5.56	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW6010B	ZINC (TOTAL)	9.5		0.26	2.22	mg/Kg
SS371-A	T16-D16B-02	10/3/2003	SW7471	MERCURY (TOTAL)	0.047		0.02	0.04	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	ALUMINUM (TOTAL)	22400		2.4	21.5	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	ARSENIC (TOTAL)	5.1		0.44	1.08	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	BARIUM (TOTAL)	19.9	J	1.2	21.5	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	BERYLLIUM (TOTAL)	0.47	J	0.043	0.54	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	BORON (TOTAL)	2.4	J	0.69	10.8	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	CALCIUM (TOTAL)	151	J	30.9	538	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	CHROMIUM (TOTAL)	22.1		0.12	1.08	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS371-A	T16-D16B-03	10/3/2003	SW6010B	COBALT (TOTAL)	3.7	J	0.31	5.38	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	COPPER (TOTAL)	3.5		0.24	2.69	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	IRON (TOTAL)	18400		3	10.8	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	LEAD (TOTAL)	11.7		0.15	0.32	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	MAGNESIUM (TOTAL)	1390		32.4	538	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	MANGANESE (TOTAL)	54.8		0.13	1.61	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	MOLYBDENUM (TOTAL)	0.7	J	0.12	1.08	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	NICKEL (TOTAL)	8.6		0.26	4.31	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	POTASSIUM (TOTAL)	573		34.2	538	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	SELENIUM (TOTAL)	0.62		0.32	0.54	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	THALLIUM (TOTAL)	0.91	J	0.4	1.08	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	VANADIUM (TOTAL)	30.1		0.31	5.38	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW6010B	ZINC (TOTAL)	16.3		0.25	2.15	mg/Kg
SS371-A	T16-D16B-03	10/3/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.019	0.037	mg/Kg
SS372-A	T16-D16A	10/6/2003	SW8260B	ACETONE	240	J	1.43	5.8	ug/Kg
SS372-A	T16-D16A	10/6/2003	SW8260B	METHYL ETHYL KETONE (2-BUTANONE)	14		0.807	5.8	ug/Kg
SS372-A	T16-D16A	10/6/2003	SW8260B	TOLUENE	1.7	J	0.137	5.8	ug/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	ALUMINUM (TOTAL)	9960		2.5	23.1	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	ARSENIC (TOTAL)	4.9		0.47	1.15	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	BARIUM (TOTAL)	22.9	J	1.3	23.1	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.046	0.58	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	BORON (TOTAL)	5.4	J	0.73	11.5	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.079	J	0.058	0.58	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	CALCIUM (TOTAL)	341	J	33.1	577	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	CHROMIUM (TOTAL)	11.4		0.13	1.15	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	COBALT (TOTAL)	2	J	0.33	5.77	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	COPPER (TOTAL)	10.9		0.25	2.88	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	IRON (TOTAL)	13700		3.2	11.5	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	LEAD (TOTAL)	30.3		0.16	0.35	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	989		34.7	577	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	MANGANESE (TOTAL)	40.5		0.14	1.73	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.59	J	0.13	1.15	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	NICKEL (TOTAL)	6.2		0.28	4.61	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	POTASSIUM (TOTAL)	518	J	36.7	577	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.72		0.35	0.58	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.72	J	0.43	1.15	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	VANADIUM (TOTAL)	37.2		0.33	5.77	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW6010B	ZINC (TOTAL)	18.9		0.27	2.31	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW7471	MERCURY (TOTAL)	0.074		0.02	0.04	mg/Kg
SS372-A	T18-D18A-01	10/6/2003	SW8330	NITROGLYCERIN	6400		1021	2500	ug/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	ALUMINUM (TOTAL)	14800		2.3	21.1	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	ARSENIC (TOTAL)	4.7		0.43	1.06	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	BARIUM (TOTAL)	13.3	J	1.2	21.1	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.042	0.53	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS372-A	T18-D18A-02	10/6/2003	SW6010B	BORON (TOTAL)	5.7	J	0.66	10.6	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	CALCIUM (TOTAL)	127	J	30.3	528	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	CHROMIUM (TOTAL)	13.1		0.12	1.06	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	COBALT (TOTAL)	1.6	J	0.31	5.28	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	COPPER (TOTAL)	3.4		0.23	2.64	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	IRON (TOTAL)	17800		2.9	10.6	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	LEAD (TOTAL)	10.6		0.15	0.32	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	612		31.7	528	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	MANGANESE (TOTAL)	28.6		0.13	1.58	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.65	J	0.12	1.06	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	NICKEL (TOTAL)	4	J	0.25	4.22	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	POTASSIUM (TOTAL)	440	J	33.6	528	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.98		0.32	0.53	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.98	J	0.39	1.06	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	VANADIUM (TOTAL)	29		0.31	5.28	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW6010B	ZINC (TOTAL)	11.6		0.24	2.11	mg/Kg
SS372-A	T18-D18A-02	10/6/2003	SW7471	MERCURY (TOTAL)	0.047		0.019	0.038	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	ALUMINUM (TOTAL)	19300		2.5	22.9	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	ARSENIC (TOTAL)	4.8		0.47	1.14	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	BARIUM (TOTAL)	14.6	J	1.3	22.9	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.46	J	0.046	0.57	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	BORON (TOTAL)	5.6	J	0.72	11.4	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	CALCIUM (TOTAL)	175	J	32.8	572	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	CHROMIUM (TOTAL)	25.6		0.13	1.14	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	COBALT (TOTAL)	3.2	J	0.33	5.72	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	COPPER (TOTAL)	4.1		0.25	2.86	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	IRON (TOTAL)	18500		3.2	11.4	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	LEAD (TOTAL)	9.7		0.16	0.34	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1390		34.4	572	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	MANGANESE (TOTAL)	95.3		0.14	1.72	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.57	J	0.13	1.14	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	NICKEL (TOTAL)	12.2		0.27	4.58	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	POTASSIUM (TOTAL)	516	J	36.4	572	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.98		0.34	0.57	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	VANADIUM (TOTAL)	27.2		0.33	5.72	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW6010B	ZINC (TOTAL)	20.3		0.26	2.29	mg/Kg
SS372-A	T18-D18A-03	10/6/2003	SW7471	MERCURY (TOTAL)	0.02	J	0.018	0.035	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	ALUMINUM (TOTAL)	12300		2.5	22.8	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	ANTIMONY (TOTAL)	0.63	J	0.59	6.85	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	ARSENIC (TOTAL)	6.1		0.47	1.14	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	BARIUM (TOTAL)	21.2	J	1.3	22.8	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.38	J	0.046	0.57	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	BORON (TOTAL)	5.4	J	0.72	11.4	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	CADMIUM (TOTAL)	0.31	J	0.057	0.57	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS373-A	T18-D18B-01	10/6/2003	SW6010B	CALCIUM (TOTAL)	171	J	32.7	571	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	CHROMIUM (TOTAL)	14		0.13	1.14	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	COBALT (TOTAL)	2.7	J	0.33	5.71	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	COPPER (TOTAL)	6.8		0.25	2.85	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	IRON (TOTAL)	14900		3.2	11.4	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	LEAD (TOTAL)	23.5		0.16	0.34	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1210		34.3	571	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	MANGANESE (TOTAL)	52.4		0.14	1.71	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.47	J	0.13	1.14	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	NICKEL (TOTAL)	6.8		0.27	4.57	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	POTASSIUM (TOTAL)	565	J	36.3	571	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.99		0.34	0.57	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.88	J	0.42	1.14	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	VANADIUM (TOTAL)	31.2		0.33	5.71	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW6010B	ZINC (TOTAL)	17.4		0.26	2.28	mg/Kg
SS373-A	T18-D18B-01	10/6/2003	SW7471	MERCURY (TOTAL)	0.048		0.019	0.037	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	ALUMINUM (TOTAL)	13400		2.7	24.1	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	ARSENIC (TOTAL)	5.2		0.49	1.21	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	BARIUM (TOTAL)	15	J	1.4	24.1	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.048	0.6	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	BORON (TOTAL)	5.2	J	0.76	12.1	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	CALCIUM (TOTAL)	191	J	34.6	604	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	CHROMIUM (TOTAL)	13.9		0.13	1.21	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	COBALT (TOTAL)	2.4	J	0.35	6.01	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	COPPER (TOTAL)	3.9		0.27	3.02	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	IRON (TOTAL)	15900		3.4	12.1	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	LEAD (TOTAL)	9.6		0.17	0.36	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	953		36.3	604	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	MANGANESE (TOTAL)	41		0.14	1.81	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.4	J	0.13	1.21	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	NICKEL (TOTAL)	5.1		0.29	4.83	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	POTASSIUM (TOTAL)	572	J	38.4	604	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.95		0.36	0.6	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.95	J	0.45	1.21	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	VANADIUM (TOTAL)	25.2		0.35	6.04	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW6010B	ZINC (TOTAL)	17		0.28	2.41	mg/Kg
SS373-A	T18-D18B-02	10/6/2003	SW7471	MERCURY (TOTAL)	0.025	J	0.017	0.035	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	ALUMINUM (TOTAL)	20500		2.5	22.3	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	ALUMINUM (TOTAL)	19100		2.5	22.6	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	ANTIMONY (TOTAL)	0.74	J	0.58	6.68	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	ARSENIC (TOTAL)	6		0.46	1.13	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	ARSENIC (TOTAL)	6.3		0.46	1.11	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	BARIUM (TOTAL)	19	J	1.3	22.3	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	BARIUM (TOTAL)	17.8	J	1.3	22.6	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SS373-A	T18-D18B-03	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.43	J	0.045	0.56	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	BERYLLIUM (TOTAL)	0.46	J	0.045	0.56	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	BORON (TOTAL)	6.4	J	0.7	11.1	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	BORON (TOTAL)	5.9	J	0.71	11.3	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	CALCIUM (TOTAL)	128	J	32.4	565	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	CALCIUM (TOTAL)	178	J	31.9	567	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	CHROMIUM (TOTAL)	21.6		0.12	1.11	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	CHROMIUM (TOTAL)	20.3		0.12	1.13	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	COBALT (TOTAL)	4.2	J	0.32	5.57	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	COBALT (TOTAL)	4	J	0.33	5.65	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	COPPER (TOTAL)	4.2		0.25	2.79	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	COPPER (TOTAL)	4.3		0.25	2.82	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	IRON (TOTAL)	18600		3.1	11.3	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	IRON (TOTAL)	19500		3.1	11.1	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	LEAD (TOTAL)	13.3		0.16	0.34	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	LEAD (TOTAL)	10.7		0.16	0.33	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1690		33.5	557	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	MAGNESIUM (TOTAL)	1600		34	565	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	MANGANESE (TOTAL)	62.3		0.14	1.69	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	MANGANESE (TOTAL)	65.1		0.13	1.67	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.66	J	0.12	1.13	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	MOLYBDENUM (TOTAL)	0.67	J	0.12	1.11	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	NICKEL (TOTAL)	9.2		0.27	4.46	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	NICKEL (TOTAL)	8.5		0.27	4.52	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	POTASSIUM (TOTAL)	556	J	35.9	565	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	POTASSIUM (TOTAL)	608		35.4	557	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	SELENIUM (TOTAL)	0.89		0.34	0.56	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	SELENIUM (TOTAL)	1		0.33	0.56	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.79	J	0.42	1.13	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	THALLIUM (TOTAL)	0.54	J	0.41	1.11	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	VANADIUM (TOTAL)	30.2		0.32	5.57	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	VANADIUM (TOTAL)	31.9		0.33	5.65	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	ZINC (TOTAL)	19.1		0.26	2.23	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW6010B	ZINC (TOTAL)	17.1		0.26	2.26	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW7471	MERCURY (TOTAL)	0.029	J	0.017	0.033	mg/Kg
SS373-A	T18-D18B-03	10/6/2003	SW7471	MERCURY (TOTAL)	0.024	J	0.017	0.033	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	ALUMINUM (TOTAL)	13400		3.9	23.5106	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	ANTIMONY (TOTAL)	0.73	J	0.4	7.0532	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	ARSENIC (TOTAL)	4.3		0.35	1.1755	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	BARIUM (TOTAL)	11.2	J	0.59	23.5106	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	BERYLLIUM (TOTAL)	0.3	J	0.035	0.5878	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	CALCIUM (TOTAL)	52.6	J	16.1	587.7651	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	CHROMIUM (TOTAL)	14.2		0.13	1.1755	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	COBALT (TOTAL)	2.7	J	0.2	5.8777	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	COPPER (TOTAL)	5.5		0.31	2.9388	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	IRON (TOTAL)	14100		5.6	11.7553	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	LEAD (TOTAL)	8		0.18	0.3527	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	MAGNESIUM (TOTAL)	1030		16.5	587.7651	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	MANGANESE (TOTAL)	45.4		0.059	1.7633	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	NICKEL (TOTAL)	5.3		0.19	4.7021	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	POTASSIUM (TOTAL)	379	J	23.1	587.7651	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	SELENIUM (TOTAL)	1.1		0.38	0.5878	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	VANADIUM (TOTAL)	20.7		0.19	5.8777	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW6010B	ZINC (TOTAL)	12.4		0.21	2.3511	mg/Kg
SSJ3P43001	ECC072204J301 (post)	8/4/2004	SW7471A	MERCURY (TOTAL)	0.017	J	0.016	0.0389	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	ALUMINUM	17500		3.9	23.5738	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	ANTIMONY	0.61	J	0.4	7.0721	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	ARSENIC	5.5		0.35	1.1787	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	BARIUM	12.8	J	0.59	23.5738	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	BERYLLIUM	0.52	J	0.035	0.5893	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	CALCIUM	62.4	J	16.1	589.3446	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	CHROMIUM, TOTAL	18.6		0.13	1.1787	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	COBALT	6.3		0.2	5.8934	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	COPPER	7.6		0.31	2.9467	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	IRON	19500		5.6	11.7869	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	LEAD	8.6		0.18	0.3536	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	MAGNESIUM	3700		16.6	589.3446	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	MANGANESE	105		0.059	1.768	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	NICKEL	12.3		0.19	4.7148	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	POTASSIUM	515	J	23.2	589.3446	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	SELENIUM	0.49	J	0.38	0.5893	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	VANADIUM	24.4		0.19	5.8934	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW6010B	ZINC	21.2		0.21	2.3574	mg/Kg
SSJ3P43001	ECC072204J301 (pre)	8/4/2004	SW7471A	MERCURY	0.02	J	0.019	0.0464	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	ALUMINUM (TOTAL)	14000		3.5	21.2226	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	ANTIMONY (TOTAL)	0.86	J	0.36	6.3668	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	ARSENIC (TOTAL)	4.6		0.32	1.0611	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	BARIUM (TOTAL)	17.8	J	0.53	21.2226	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	BERYLLIUM (TOTAL)	0.35	J	0.032	0.5306	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	CADMIUM (TOTAL)	8.2		0.064	0.5306	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	CALCIUM (TOTAL)	111	J	14.5	530.5659	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	CHROMIUM (TOTAL)	16.4		0.12	1.0611	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	COBALT (TOTAL)	3.6	J	0.18	5.3057	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	COPPER (TOTAL)	385		0.28	2.6528	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	IRON (TOTAL)	15000		5.1	10.6113	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	LEAD (TOTAL)	9		0.16	0.3183	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	MAGNESIUM (TOTAL)	1510		14.9	530.5659	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	MANGANESE (TOTAL)	71.4		0.053	1.5917	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	NICKEL (TOTAL)	6.9		0.17	4.2445	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	POTASSIUM (TOTAL)	433	J	20.9	530.5659	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	SELENIUM (TOTAL)	0.43	J	0.34	0.5306	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	VANADIUM (TOTAL)	20.7		0.17	5.3057	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW6010B	ZINC (TOTAL)	19.6		0.19	2.1223	mg/Kg
SSJ3P43002	ECC072904J301 (post)	8/4/2004	SW9012A	CYANIDE	1.9		0.55	0.55	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	ALUMINUM	14100		3.3	20.0361	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	ANTIMONY	0.59	J	0.34	6.0108	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	ARSENIC	4.8		0.3	1.0018	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	BARIUM	20.2		0.5	20.0361	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	BERYLLIUM	0.47	J	0.03	0.5009	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	CADMIUM	2		0.06	0.5009	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	CALCIUM	91.9	J	13.7	500.9016	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	CHROMIUM, TOTAL	16.3		0.11	1.0018	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	COBALT	4.8	J	0.17	5.009	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	COPPER	5.3		0.26	2.5045	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	IRON	14800		4.8	10.018	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	LEAD	8.4		0.15	0.3005	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	MAGNESIUM	1940		14.1	500.9016	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	MANGANESE	83.7		0.05	1.5027	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	NICKEL	8		0.16	4.0072	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	POTASSIUM	560		19.7	500.9016	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	SELENIUM	0.83		0.32	0.5009	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	VANADIUM	21.9		0.16	5.009	mg/Kg
SSJ3P43002	ECC072904J301 (pre)	8/4/2004	SW6010B	ZINC	19		0.18	2.0036	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	ALUMINUM (TOTAL)	12700		3.9	24.0018	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	ANTIMONY (TOTAL)	0.56	J	0.41	7.2005	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	ARSENIC (TOTAL)	3.8		0.36	1.2001	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	BARIUM (TOTAL)	11.6	J	0.6	24.0018	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	BERYLLIUM (TOTAL)	0.31	J	0.036	0.6	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	CADMIUM (TOTAL)	1.6		0.072	0.6	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	CALCIUM (TOTAL)	101	J	16.4	600.0456	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	CHROMIUM (TOTAL)	13.1		0.13	1.2001	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	COBALT (TOTAL)	2.9	J	0.2	6.0005	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	COPPER (TOTAL)	22.4		0.31	3.0002	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	IRON (TOTAL)	12800		5.7	12.0009	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	LEAD (TOTAL)	11.8		0.18	0.36	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	MAGNESIUM (TOTAL)	1180		16.9	600.0456	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	MANGANESE (TOTAL)	51.4		0.06	1.8001	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	MOLYBDENUM (TOTAL)	0				mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	NICKEL (TOTAL)	5.8		0.19	4.8004	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	POTASSIUM (TOTAL)	388	J	23.6	600.0456	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	SELENIUM (TOTAL)	0.44	J	0.38	0.6	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	VANADIUM (TOTAL)	22.6		0.19	6.0005	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW6010B	ZINC (TOTAL)	14.7		0.22	2.4002	mg/Kg
SSJ3P43003	ECC072904J302 (post)	8/4/2004	SW7471A	MERCURY (TOTAL)	0.037	J	0.019	0.0464	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	ALUMINUM	14900		4.2	25.5754	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	ANTIMONY	0.59	J	0.43	7.6726	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	ARSENIC	4.9		0.38	1.2788	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	BARIUM	13.1	J	0.64	25.5754	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	BERYLLIUM	0.33	J	0.038	0.6394	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	CALCIUM	122	J	17.5	639.3862	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	CHROMIUM, TOTAL	16.4		0.14	1.2788	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	COBALT	3.5	J	0.22	6.3939	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	COPPER	4.3		0.33	3.1969	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	IRON	17600		6.1	12.7877	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	LEAD	11.9		0.19	0.3836	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	MAGNESIUM	1460		18	639.3862	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	MANGANESE	76.5		0.064	1.9182	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	NICKEL	6.7		0.2	5.1151	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	POTASSIUM	489	J	25.1	639.3862	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	SELENIUM	0.88		0.41	0.6394	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	VANADIUM	25.2		0.2	6.3939	mg/Kg
SSJ3P43003	ECC072904J302 (pre)	8/4/2004	SW6010B	ZINC	17.3		0.23	2.5575	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	ALUMINUM (TOTAL)	11800		3.6	22.1897	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	ANTIMONY (TOTAL)	1	J	0.38	6.6569	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	ARSENIC (TOTAL)	3.4		0.33	1.1095	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	BARIUM (TOTAL)	11.7	J	0.55	22.1897	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.033	0.5547	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	CALCIUM (TOTAL)	82.8	J	15.2	554.7419	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	CHROMIUM (TOTAL)	12.9		0.12	1.1095	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	COBALT (TOTAL)	2.8	J	0.19	5.5474	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	COPPER (TOTAL)	10.1		0.29	2.7737	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	IRON (TOTAL)	11900		5.3	11.0948	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	LEAD (TOTAL)	8.6		0.17	0.3328	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	MAGNESIUM (TOTAL)	1170		15.6	554.7419	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	MANGANESE (TOTAL)	56.8		0.056	1.6642	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	NICKEL (TOTAL)	5.4		0.18	4.4379	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	POTASSIUM (TOTAL)	395	J	21.8	554.7419	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	SELENIUM (TOTAL)	0.88		0.35	0.5547	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	VANADIUM (TOTAL)	18.4		0.18	5.5474	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW6010B	ZINC (TOTAL)	16.5		0.2	2.219	mg/Kg
SSJ3P43004	ECC072904J303 (post)	8/4/2004	SW7471A	MERCURY (TOTAL)	0.029	J	0.017	0.0396	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	ALUMINUM	14400		3.8	23.3844	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	ANTIMONY	0.58	J	0.4	7.0153	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	ARSENIC	4.4		0.35	1.1692	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	BARIUM	12.4	J	0.58	23.3844	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	BERYLLIUM	0.28	J	0.035	0.5846	mg/Kg

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	CALCIUM	119	J	16	584.6107	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	CHROMIUM, TOTAL	14.7		0.13	1.1692	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	COBALT	2.7	J	0.2	5.8461	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	COPPER	4.3		0.3	2.9231	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	IRON	14100		5.6	11.6922	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	LEAD	11.3		0.18	0.3508	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	MAGNESIUM	1150		16.4	584.6107	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	MANGANESE	49.5		0.059	1.7538	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	NICKEL	6		0.19	4.6769	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	POTASSIUM	409	J	23	584.6107	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	SELENIUM	0.67		0.37	0.5846	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	VANADIUM	23.7		0.19	5.8461	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW6010B	ZINC	14.8		0.21	2.3384	mg/Kg
SSJ3P43004	ECC072904J303 (pre)	8/4/2004	SW7471A	MERCURY	0.029	J	0.023	0.0547	mg/Kg
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	ALUMINUM	8920		2.7	22.3025	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	ANTIMONY	0.21	J	0.2	6.6908	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	ARSENIC	4.3		0.23	1.1151	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	BARIUM	11.3	J	0.35	22.3025	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	BERYLLIUM	0.27	J	0.016	0.5576	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	CADMIUM	0.22	J	0.02	0.5576	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	CALCIUM	198	J	4.9	557.5628	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	12.4		0.021	1.1151	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	COBALT	2.6	J	0.042	5.5756	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	COPPER	543		1.1	27.8781	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	IRON	13400		0.85	22.3025	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	LEAD	122		0.16	1.1151	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	MAGNESIUM	1370		4.5	557.5628	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	MANGANESE	72.2		0.0067	1.6727	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	MOLYBDENUM	0.41	J	0.023	1.1151	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	NICKEL	5.5		0.0067	4.4605	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	POTASSIUM	473	J	15.4	557.5628	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	SELENIUM	0.59	J	0.17	3.9029	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	VANADIUM	16.9		0.089	5.5756	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW6010B	ZINC	16.7		0.012	2.2303	MG/KG
SSJ3X02	J3X02_PO	8/13/2009	SW8270C	NAPHTHALENE	36	J	29.5101	390	UG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	ALUMINUM	14300		2.9	23.5605	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	ARSENIC	5.6		0.25	1.178	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	BARIUM	14.7	J	0.37	23.5605	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	BERYLLIUM	0.35	J	0.016	0.589	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	BORON	2.8	J	0.11	11.7802	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	CADMIUM	3.1		0.021	0.589	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	CALCIUM	153	J	5.2	589.0114	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	17.4		0.022	1.178	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	COBALT	2.9	J	0.045	5.8901	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	COPPER	4.6		0.11	2.9451	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	IRON	16200		0.9	23.5605	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	LEAD	10		0.16	1.178	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	MAGNESIUM	1760		4.8	589.0114	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	MANGANESE	74.4		0.0071	1.767	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.62	J	0.025	1.178	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	NICKEL	7.5		0.0071	4.7121	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	POTASSIUM	600		16.3	589.0114	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	SELENIUM	0.62	J	0.18	4.1231	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	VANADIUM	24.6		0.094	5.8901	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW6010B	ZINC	17.5		0.013	2.356	MG/KG
SSJ3X02	J3X02_PRE	8/12/2009	SW7471A	MERCURY	0.03	J	0.021	0.0492	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	ALUMINUM	9690		2.4	19.4522	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	ARSENIC	4.8		0.2	0.9726	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	BARIUM	14.3	J	0.3	19.4522	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	BERYLLIUM	0.2	J	0.014	0.4863	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	CADMIUM	0.85		0.018	0.4863	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	CALCIUM	144	J	4.3	486.3056	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	12.9		0.018	0.9726	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	COBALT	1.5	J	0.037	4.8631	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	COPPER	269		0.92	24.3153	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	IRON	10200		0.74	19.4522	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	LEAD	93.4		0.14	0.9726	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	MAGNESIUM	1040		4	486.3056	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	MANGANESE	49		0.0058	1.4589	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	MOLYBDENUM	0.58	J	0.02	0.9726	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	NICKEL	4.4		0.0058	3.8904	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	POTASSIUM	419	J	13.4	486.3056	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	SELENIUM	0.52	J	0.15	3.4041	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	VANADIUM	16.5		0.078	4.8631	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW6010B	ZINC	31		0.011	1.9452	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW7471A	MERCURY	0.02	J	0.018	0.042	MG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW8330	2-AMINO-4,6-DINITROTOLUENE	120	J	1.2242	13	UG/KG
SSJ3X04	J3X04_PO	8/13/2009	SW8330	4-AMINO-2,6-DINITROTOLUENE	74	J	1.6322	13	UG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	ALUMINUM	11500		3	24.5038	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	ARSENIC	5.2		0.26	1.2252	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	BARIUM	17.4	J	0.38	24.5038	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	BERYLLIUM	0.25	J	0.017	0.6126	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	CADMIUM	2		0.022	0.6126	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	CALCIUM	153	J	5.4	612.595	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	14.2		0.023	1.2252	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	COBALT	1.3	J	0.047	6.1259	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	COPPER	3.4		0.12	3.063	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	IRON	14700		0.93	24.5038	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	LEAD	10.3		0.17	1.2252	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	MAGNESIUM	1020		5	612.595	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	MANGANESE	46.5		0.0074	1.8378	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.68	J	0.026	1.2252	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	NICKEL	4.6	J	0.0074	4.9008	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	POTASSIUM	479	J	16.9	612.595	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	SELENIUM	0.7	J	0.18	4.2882	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	VANADIUM	20.1		0.098	6.1259	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW6010B	ZINC	20.1		0.013	2.4504	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW7471A	MERCURY	0.032	J	0.02	0.0476	MG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	30	J	25.935	450	UG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW8330	2,4,6-TRINITROTOLUENE	26		0.8467	13	UG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW8330	2-AMINO-4,6-DINITROTOLUENE	440	J	1.2242	13	UG/KG
SSJ3X04	J3X04_PRE	8/12/2009	SW8330	4-AMINO-2,6-DINITROTOLUENE	230	J	1.6322	13	UG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	ALUMINUM	13900		2.5	20.6484	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	ARSENIC	4.6		0.22	1.0324	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	BARIUM	13	J	0.32	20.6484	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	BERYLLIUM	0.25	J	0.014	0.5162	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	CADMIUM	1		0.019	0.5162	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	CALCIUM	125	J	4.5	516.209	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	14.7		0.02	1.0324	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	COBALT	1.7	J	0.039	5.1621	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	COPPER	4.2		0.098	2.581	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	IRON	15000		0.78	20.6484	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	LEAD	9.7		0.14	1.0324	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	MAGNESIUM	1030		4.2	516.209	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	MANGANESE	42.8		0.0062	1.5486	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	MOLYBDENUM	0.82	J	0.022	1.0324	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	NICKEL	5.5		0.0062	4.1297	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	POTASSIUM	396	J	14.2	516.209	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	SELENIUM	0.8	J	0.15	3.6135	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	VANADIUM	21.7		0.083	5.1621	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW6010B	ZINC	13		0.011	2.0648	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW7471A	MERCURY	0.031	J	0.019	0.0449	MG/KG
SSJ3X08	J3X08_PO	8/13/2009	SW8330	2,4,6-TRINITROTOLUENE	30		0.8411	13	UG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	ALUMINUM	12300		2.8	22.684	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	ARSENIC	4.9		0.24	1.1342	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	BARIUM	15.1	J	0.35	22.684	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	BERYLLIUM	0.3	J	0.016	0.5671	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	BORON	2.7	J	0.11	11.342	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	CADMIUM	19		0.02	0.5671	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	CALCIUM	134	J	5	567.0992	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	16.6		0.021	1.1342	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	COBALT	2.6	J	0.043	5.671	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	COPPER	4.2		0.11	2.8355	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	IRON	16100		0.86	22.684	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	LEAD	9.3		0.16	1.1342	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	MAGNESIUM	1780		4.6	567.0992	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	MANGANESE	68.3		0.0068	1.7013	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.56	J	0.024	1.1342	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	NICKEL	7.1		0.0068	4.5368	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	POTASSIUM	626		15.7	567.0992	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	SELENIUM	0.52	J	0.17	3.9697	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	VANADIUM	22		0.091	5.671	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW6010B	ZINC	17.8		0.013	2.2684	MG/KG
SSJ3X08	J3X08_PRE	8/12/2009	SW7471A	MERCURY	0.032	J	0.019	0.0455	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	ALUMINUM	19200		2.7	22.2351	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	ARSENIC	6.3		0.23	1.1118	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	BARIUM	16.9	J	0.34	22.2351	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	BERYLLIUM	0.41	J	0.016	0.5559	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	BORON	2	J	0.1	11.1175	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	CADMIUM	0.2	J	0.02	0.5559	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	CALCIUM	113	J	4.9	555.8767	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	20.4		0.021	1.1118	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	COBALT	3.6	J	0.042	5.5588	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	COPPER	61.6		0.11	2.7794	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	IRON	23300		0.84	22.2351	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	LEAD	30.2		0.16	1.1118	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	MAGNESIUM	2010		4.5	555.8767	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	MANGANESE	87.6		0.0067	1.6676	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	MOLYBDENUM	0.81	J	0.023	1.1118	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	NICKEL	7.8		0.0067	4.447	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	POTASSIUM	512	J	15.3	555.8767	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	VANADIUM	27.1		0.089	5.5588	MG/KG
SSJ3X09	J3X09_PO	8/13/2009	SW6010B	ZINC	23.7		0.012	2.2235	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	ALUMINUM	20700		3.1	24.9781	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	ARSENIC	6.1		0.26	1.2489	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	BARIUM	18.4	J	0.39	24.9781	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	BERYLLIUM	0.43	J	0.017	0.6245	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	BORON	2.4	J	0.12	12.4891	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	CADMIUM	0.79		0.022	0.6245	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	CALCIUM	100	J	5.5	624.4536	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	21.8		0.024	1.2489	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	COBALT	3.9	J	0.048	6.2445	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	COPPER	3.6		0.12	3.1223	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	IRON	24100		0.95	24.9781	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	LEAD	9.9		0.17	1.2489	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	MAGNESIUM	2390		5.1	624.4536	MG/KG

J = Estimated
NJ = Estimated Results
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	MANGANESE	121		0.0075	1.8734	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.86	J	0.026	1.2489	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	NICKEL	8.5		0.0075	4.9956	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	POTASSIUM	587	J	17.2	624.4536	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	VANADIUM	28.7		0.1	6.2445	MG/KG
SSJ3X09	J3X09_PRE	8/12/2009	SW6010B	ZINC	27.8		0.014	2.4978	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	ALUMINUM	14200		2.8	22.8225	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	ARSENIC	4.7		0.24	1.1411	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	BARIUM	15.4	J	0.35	22.8225	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	BERYLLIUM	0.25	J	0.016	0.5706	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	BORON	1.8	J	0.11	11.4112	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	CADMIUM	1.2		0.021	0.5706	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	CALCIUM	106	J	5	570.5613	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	15.9		0.022	1.1411	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	COBALT	2.3	J	0.043	5.7056	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	COPPER	15.2		0.11	2.8528	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	IRON	14900		0.87	22.8225	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	LEAD	14.5		0.16	1.1411	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	MAGNESIUM	1640		4.6	570.5613	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	MANGANESE	59		0.0068	1.7117	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	MOLYBDENUM	0.67	J	0.024	1.1411	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	NICKEL	6.5		0.0068	4.5645	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	POTASSIUM	473	J	15.7	570.5613	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	SELENIUM	0.33	J	0.17	3.9939	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	VANADIUM	22.2		0.091	5.7056	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW6010B	ZINC	18.3		0.013	2.2822	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW7471A	MERCURY	0.024	J	0.017	0.0396	MG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW8270C	2-CHLOROBENZOIC ACID	520	J	409.8536	2100	UG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	70	J	23.5976	420	UG/KG
SSJ3X15	J3X15_PO	9/4/2009	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	14		1.3	13	UG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	ALUMINUM	13200		2.7	21.8981	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	ANTIMONY	0.46	J	0.2	6.5694	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	ARSENIC	4.7		0.23	1.0949	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	BARIUM	15.8	J	0.34	21.8981	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	BERYLLIUM	0.22	J	0.015	0.5475	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	CADMIUM	3.9		0.02	0.5475	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	CALCIUM	115	J	4.8	547.4532	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	15.6		0.021	1.0949	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	COBALT	2.5	J	0.042	5.4745	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	COPPER	3.9		0.1	2.7373	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	IRON	14100		0.83	21.8981	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	LEAD	8.4		0.15	1.0949	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	MAGNESIUM	1740		4.5	547.4532	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	MANGANESE	66.9		0.0066	1.6424	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.71	J	0.023	1.0949	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	NICKEL	7		0.0066	4.3796	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	POTASSIUM	497	J	15.1	547.4532	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	SELENIUM	0.26	J	0.16	3.8322	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	VANADIUM	21.9		0.088	5.4745	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW6010B	ZINC	19.4		0.012	2.1898	MG/KG
SSJ3X15	J3X15_PRE	9/1/2009	SW7471A	MERCURY	0.025	J	0.021	0.0517	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	ALUMINUM	14500		3	24.0018	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	ARSENIC	5.7		0.25	1.2001	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	BARIUM	14.5	J	0.37	24.0018	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	BERYLLIUM	0.39	J	0.017	0.6	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	BORON	2	J	0.11	12.0009	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	CALCIUM	85.2	J	5.3	600.0456	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	17		0.023	1.2001	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	COBALT	4	J	0.046	6.0005	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	COPPER	12.7		0.11	3.0002	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	IRON	16700		0.91	24.0018	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	LEAD	10.9		0.17	1.2001	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	MAGNESIUM	2220		4.9	600.0456	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	MANGANESE	92.5		0.0072	1.8001	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	MOLYBDENUM	0.51	J	0.025	1.2001	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	NICKEL	8.1		0.0072	4.8004	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	POTASSIUM	633		16.6	600.0456	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	SELENIUM	0.28	J	0.18	4.2003	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	VANADIUM	22.2		0.096	6.0005	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW6010B	ZINC	19.5		0.013	2.4002	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW7471A	MERCURY	0.017	J	0.016	0.038	MG/KG
SSJ3X19	J3X19_PO	9/4/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	30	J	23.4067	410	UG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	ALUMINUM	13800		2.6	21.5248	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	ANTIMONY	0.25	J	0.19	6.4574	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	ARSENIC	6		0.23	1.0762	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	BARIUM	15.9	J	0.33	21.5248	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	BERYLLIUM	0.37	J	0.015	0.5381	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	BORON	2.3	J	0.1	10.7624	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	CALCIUM	139	J	4.7	538.1205	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	CHROMIUM, TOTAL	16.6		0.02	1.0762	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	COBALT	3.9	J	0.041	5.3812	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	COPPER	22.7		0.1	2.6906	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	IRON	17500		0.82	21.5248	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	LEAD	13.6		0.15	1.0762	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	MAGNESIUM	2280		4.4	538.1205	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	MANGANESE	95.4		0.0065	1.6144	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	MOLYBDENUM	0.48	J	0.023	1.0762	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	NICKEL	8		0.0065	4.305	MG/KG

J = Estimated
NJ = Estimated Results
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	POTASSIUM	680		14.9	538.1205	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	SILVER	0.08	J	0.058	1.0762	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	VANADIUM	22		0.086	5.3812	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW6010B	ZINC	20.4		0.012	2.1525	MG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	29	J	23.5612	420	UG/KG
SSJ3X19	J3X19_PO_D	9/4/2009	SW8330	2,4,6-TRINITROTOLUENE	26		0.83	13	UG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	ALUMINUM	6560		2.4	19.5626	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	ANTIMONY	0.41	J	0.18	5.8688	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	ARSENIC	3.3		0.21	0.9781	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	BARIUM	8.8	J	0.3	19.5626	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	BERYLLIUM	0.18	J	0.014	0.4891	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	CALCIUM	72.1	J	4.3	489.0645	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	9.8		0.019	0.9781	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	COBALT	3	J	0.037	4.8906	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	COPPER	3.7		0.093	2.4453	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	IRON	9190		0.74	19.5626	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	LEAD	5.4		0.14	0.9781	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	MAGNESIUM	1200		4	489.0645	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	MANGANESE	86.1		0.0059	1.4672	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.31	J	0.021	0.9781	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	NICKEL	4.8		0.0059	3.9125	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	POTASSIUM	394	J	13.5	489.0645	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	VANADIUM	12.8		0.078	4.8906	MG/KG
SSJ3X19	J3X19_PRE	9/1/2009	SW6010B	ZINC	11.3		0.011	1.9563	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	ALUMINUM	16400		2.6	21.097	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	ANTIMONY	0.28	J	0.19	6.3291	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	ARSENIC	5.5		0.22	1.0549	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	BARIUM	20.5	J	0.33	21.097	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	BERYLLIUM	0.35	J	0.015	0.5274	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	BORON	2.1	J	0.099	10.5485	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	CADMIUM	0.28	J	0.019	0.5274	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	CALCIUM	103	J	4.6	527.4262	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	20.1		0.02	1.0549	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	COBALT	4.1	J	0.04	5.2743	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	COPPER	38.4		0.1	2.6371	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	IRON	17500		0.8	21.097	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	LEAD	24.9		0.15	1.0549	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	MAGNESIUM	2400		4.3	527.4262	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	MANGANESE	104		0.0063	1.5823	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	MOLYBDENUM	0.57	J	0.022	1.0549	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	NICKEL	8.9		0.0063	4.2194	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	POTASSIUM	640		14.6	527.4262	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	SELENIUM	0.16	J	0.16	3.692	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	VANADIUM	25.3		0.084	5.2743	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X21	J3X21_PO	9/4/2009	SW6010B	ZINC	25.5		0.012	2.1097	MG/KG
SSJ3X21	J3X21_PO	9/4/2009	SW7471A	MERCURY	0.023	J	0.018	0.0422	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	ALUMINUM	16600		2.6	21.3906	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	ANTIMONY	0.61	J	0.19	6.4172	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	ARSENIC	6		0.22	1.0695	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	BARIUM	50		0.33	21.3906	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	BERYLLIUM	0.25	J	0.015	0.5348	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	CADMIUM	10		0.019	0.5348	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	CALCIUM	145	J	4.7	534.7651	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	47.2		0.02	1.0695	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	COBALT	3.5	J	0.041	5.3477	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	COPPER	5.1		0.1	2.6738	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	IRON	19600		0.81	21.3906	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	LEAD	109		0.15	1.0695	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	MAGNESIUM	1950		4.4	534.7651	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	MANGANESE	91.1		0.0064	1.6043	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.74	J	0.022	1.0695	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	NICKEL	8.3		0.0064	4.2781	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	POTASSIUM	585		14.8	534.7651	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	SELENIUM	0.57	J	0.16	3.7434	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	VANADIUM	28.7		0.086	5.3477	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW6010B	ZINC	41.6		0.012	2.1391	MG/KG
SSJ3X21	J3X21_PRE	9/1/2009	SW7471A	MERCURY	0.037	J	0.021	0.0502	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	ALUMINUM	16100		2.6	21.4371	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	ANTIMONY	0.25	J	0.19	6.4311	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	ARSENIC	5.7		0.23	1.0719	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	BARIUM	16.8	J	0.33	21.4371	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	BERYLLIUM	0.29	J	0.015	0.5359	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	BORON	1.8	J	0.1	10.7186	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	CADMIUM	0.62		0.019	0.5359	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	CALCIUM	105	J	4.7	535.9287	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	20.5		0.02	1.0719	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	COBALT	2.8	J	0.041	5.3593	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	COPPER	75.3		0.1	2.6796	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	IRON	20400		0.81	21.4371	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	LEAD	26.4		0.15	1.0719	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	MAGNESIUM	1990		4.4	535.9287	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	MANGANESE	72.7		0.0064	1.6078	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	MOLYBDENUM	0.64	J	0.022	1.0719	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	NICKEL	7.7		0.0064	4.2874	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	POTASSIUM	571		14.8	535.9287	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	VANADIUM	25.5		0.086	5.3593	MG/KG
SSJ3X22	J3X22_PO	9/4/2009	SW6010B	ZINC	21.2		0.012	2.1437	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	ALUMINUM	16000		2.8	22.499	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	ANTIMONY	0.55	J	0.2	6.7497	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	ARSENIC	5.8		0.24	1.1249	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	BARIUM	17.7	J	0.35	22.499	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	BERYLLIUM	0.27	J	0.016	0.5625	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	CADMIUM	4.1		0.02	0.5625	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	CALCIUM	134	J	4.9	562.474	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	19.2		0.021	1.1249	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	COBALT	3.2	J	0.043	5.6247	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	COPPER	4.8		0.11	2.8124	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	IRON	17200		0.85	22.499	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	LEAD	9.4		0.16	1.1249	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	MAGNESIUM	2090		4.6	562.474	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	MANGANESE	82.2		0.0067	1.6874	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.65	J	0.024	1.1249	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	NICKEL	8.4		0.0067	4.4998	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	POTASSIUM	609		15.5	562.474	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	VANADIUM	25.9		0.09	5.6247	MG/KG
SSJ3X22	J3X22_PRE	9/1/2009	SW6010B	ZINC	21.9		0.012	2.2499	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	ALUMINUM	16900		2.5	20.4566	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	ANTIMONY	0.3	J	0.18	6.137	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	ARSENIC	5.7		0.21	1.0228	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	BARIUM	20.7		0.32	20.4566	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	BERYLLIUM	0.37	J	0.014	0.5114	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	BORON	2.6	J	0.096	10.2283	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	CADMIUM	0.78		0.018	0.5114	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	CALCIUM	151	J	4.5	511.4148	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	21.3		0.019	1.0228	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	COBALT	4.4	J	0.039	5.1141	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	COPPER	133		0.097	2.5571	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	IRON	18700		0.78	20.4566	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	LEAD	59.2		0.14	1.0228	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	MAGNESIUM	2590		4.2	511.4148	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	MANGANESE	112		0.0061	1.5342	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	MOLYBDENUM	0.61	J	0.021	1.0228	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	NICKEL	9.9		0.0061	4.0913	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	POTASSIUM	733		14.1	511.4148	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	VANADIUM	25		0.082	5.1141	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW6010B	ZINC	27.5		0.011	2.0457	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW7471A	MERCURY	0.023	J	0.02	0.0479	MG/KG
SSJ3X25	J3X25_PO	9/4/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	40	J	23.357	410	UG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	ALUMINUM	14300		2.2	17.6929	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	ANTIMONY	0.35	J	0.16	5.3079	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	ARSENIC	4.6		0.19	0.8846	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	BARIUM	14.6	J	0.27	17.6929	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	BERYLLIUM	0.24	J	0.012	0.4423	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	CADMIUM	2.6		0.016	0.4423	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	CALCIUM	123	J	3.9	442.3213	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	17.5		0.017	0.8846	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	COBALT	3.8	J	0.034	4.4232	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	COPPER	4.3		0.084	2.2116	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	IRON	17900		0.67	17.6929	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	LEAD	8.8		0.12	0.8846	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	MAGNESIUM	2370		3.6	442.3213	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	MANGANESE	158		0.0053	1.327	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.57	J	0.019	0.8846	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	NICKEL	9.1		0.0053	3.5386	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	POTASSIUM	448		12.2	442.3213	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	SELENIUM	0.33	J	0.13	3.0962	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	THALLIUM	0.16	J	0.097	2.2116	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	VANADIUM	21.7		0.071	4.4232	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW6010B	ZINC	19.3		0.0097	1.7693	MG/KG
SSJ3X25	J3X25_PRE	9/1/2009	SW7471A	MERCURY	0.03	J	0.017	0.0402	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	ALUMINUM	12400		2.7	21.7746	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	ARSENIC	5.1		0.23	1.0887	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	BARIUM	17.9	J	0.34	21.7746	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	BERYLLIUM	0.39	J	0.015	0.5444	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	BORON	2.1	J	0.1	10.8873	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	CADMIUM	0.48	J	0.02	0.5444	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	CALCIUM	94.3	J	4.8	544.3658	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	15		0.021	1.0887	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	COBALT	3.4	J	0.041	5.4437	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	COPPER	41.6		0.1	2.7218	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	IRON	15000		0.83	21.7746	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	LEAD	16.8		0.15	1.0887	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	MAGNESIUM	2160		4.4	544.3658	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	MANGANESE	78.1		0.0065	1.6331	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	MOLYBDENUM	0.47	J	0.023	1.0887	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	NICKEL	7.6		0.0065	4.3549	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	POTASSIUM	597		15	544.3658	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	VANADIUM	22.4		0.087	5.4437	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW6010B	ZINC	67.8		0.012	2.1775	MG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW8270C	2,4,6-TRINITROTOLUENE	180	TI			UG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	37	J	22.7545	400	UG/KG
SSJ3X26	J3X26_PO	9/4/2009	SW8330	2,4,6-TRINITROTOLUENE	29		0.83	13	UG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	ALUMINUM	11900		2.3	19.0552	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	ANTIMONY	0.3	J	0.17	5.7166	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	ARSENIC	3.9		0.2	0.9528	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	BARIUM	16.3	J	0.3	19.0552	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	BERYLLIUM	0.27	J	0.013	0.4764	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	BORON	1.8	J	0.09	9.5276	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	CADMIUM	0.25	J	0.017	0.4764	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	CALCIUM	93.5	J	4.2	476.381	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	CHROMIUM, TOTAL	13.9		0.018	0.9528	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	COBALT	2.8	J	0.036	4.7638	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	COPPER	314		0.09	2.3819	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	IRON	12700		0.72	19.0552	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	LEAD	84.8		0.13	0.9528	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	MAGNESIUM	1940		3.9	476.381	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	MANGANESE	68.6		0.0057	1.4291	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	MOLYBDENUM	0.44	J	0.02	0.9528	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	NICKEL	6.9		0.0057	3.811	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	POTASSIUM	537		13.1	476.381	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	VANADIUM	18.6		0.076	4.7638	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW6010B	ZINC	37.1		0.011	1.9055	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW7471A	MERCURY	0.019	J	0.017	0.0412	MG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW8270C	2,4,6-TRINITROTOLUENE	380	TI			UG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	26	J	22.9643	410	UG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW8330	1,3,5-TRINITROBENZENE	18	J	1.1	13	UG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW8330	2,4,6-TRINITROTOLUENE	840		0.83	13	UG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW8330	2-AMINO-4,6-DINITROTOLUENE	28		1.2	13	UG/KG
SSJ3X26	J3X26_PO_D	9/4/2009	SW8330	4-AMINO-2,6-DINITROTOLUENE	42		1.6	13	UG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	ALUMINUM	14200		2.9	23.3225	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	ANTIMONY	0.39	J	0.21	6.9968	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	ARSENIC	4.9		0.24	1.1661	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	BARIUM	23.9		0.36	23.3225	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	BERYLLIUM	0.27	J	0.016	0.5831	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	CADMIUM	14.9		0.021	0.5831	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	CALCIUM	184	J	5.1	583.0632	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	17.2		0.022	1.1661	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	COBALT	2.7	J	0.044	5.8306	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	COPPER	3.8		0.11	2.9153	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	IRON	16100		0.89	23.3225	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	LEAD	8.9		0.16	1.1661	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	MAGNESIUM	1850		4.7	583.0632	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	MANGANESE	72.5		0.007	1.7492	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.55	J	0.025	1.1661	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	NICKEL	7.1		0.007	4.6645	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	POTASSIUM	523	J	16.1	583.0632	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	VANADIUM	23.3		0.093	5.8306	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW6010B	ZINC	19.4		0.013	2.3323	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW7471A	MERCURY	0.017	J	0.017	0.0401	MG/KG
SSJ3X26	J3X26_PRE	9/1/2009	SW8270C	BENZYL BUTYL PHTHALATE	32	J	27.014	400	UG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X01	SSJ3X01_PO	12/03/2012	SW6010C	Cadmium	0.38		0.038	0.24	MG/KG
SSJ3X01	SSJ3X01_POA	12/03/2012	SW6010C	Cadmium	0.10	J	0.037	0.24	MG/KG
SSJ3X01	SSJ3X01_SS	12/03/2012	SW6010C	Cadmium	0.55		0.037	0.24	MG/KG
SSJ3X01	SSJ3X01_SSA	12/03/2012	SW6010C	Cadmium	0.47		0.038	0.24	MG/KG
SSJ3X01	SSJ3X01_SSB	12/03/2012	SW6010C	Cadmium	0.23	J	0.037	0.24	MG/KG
SSJ3X05	SSJ3X05_PO3	03/21/2013	SW8330	2-Amino-4,6-dinitrotoluene	171		6.3	96.1	UG/KG
SSJ3X05	SSJ3X05_PO3	03/21/2013	SW8330	4-Amino-2,6-Dinitrotoluene	88.8	J	8.1	96.1	UG/KG
SSJ3X06	SSJ3X06_PO	12/03/2012	SW6010C	Copper	6.4		0.11	1.2	MG/KG
SSJ3X06	SSJ3X06_POA	12/03/2012	SW6010C	Copper	21.7		0.11	1.2	MG/KG
SSJ3X06	SSJ3X06_POB	12/03/2012	SW6010C	Copper	12.0		0.11	1.2	MG/KG
SSJ3X06	SSJ3X06_SS	12/03/2012	SW6010C	Copper	7.4		0.11	1.2	MG/KG
SSJ3X06	SSJ3X06_SSA	12/03/2012	SW6010C	Copper	5.6		0.11	1.2	MG/KG
SSJ3X06	SSJ3X06_SSB	12/03/2012	SW6010C	Copper	3.9		0.10	1.2	MG/KG
SSJ3X10	SSJ3X10_PO	11/29/2012	SW6010C	Cadmium	0.27		0.038	0.25	MG/KG
SSJ3X10	SSJ3X10_SS	11/29/2012	SW6010C	Cadmium	0.51		0.038	0.25	MG/KG
SSJ3X11	SSJ3X11_PO	11/01/2012	SW6010C	Cadmium	0.056	J	0.037	0.23	MG/KG
SSJ3X11	SSJ3X11_SS	11/01/2012	SW6010C	Cadmium	0.078	J	0.038	0.24	MG/KG
SSJ3X12	SSJ3X12_PO	11/01/2012	SW6010C	Cadmium	1.4		0.036	0.23	MG/KG
SSJ3X12	SSJ3X12_PO	11/01/2012	SW6010C	Copper	20.0		0.10	1.2	MG/KG
SSJ3X12	SSJ3X12_PO	11/01/2012	SW6010C	Lead	13.1		0.20	0.46	MG/KG
SSJ3X12	SSJ3X12_SS	11/01/2012	SW6010C	Cadmium	0.58		0.036	0.23	MG/KG
SSJ3X12	SSJ3X12_SS	11/01/2012	SW6010C	Copper	6.5		0.10	1.2	MG/KG
SSJ3X12	SSJ3X12_SS	11/01/2012	SW6010C	Lead	19.1		0.20	0.47	MG/KG
SSJ3X13	SSJ3X13_SS	11/01/2012	SW6010C	Cadmium	1.5	J	0.56	3.6	MG/KG
SSJ3X14	SSJ3X14_SS	11/01/2012	SW6010C	Cadmium	0.096	J	0.039	0.25	MG/KG
SSJ3X16	SSJ3X16_PO	12/04/2012	SW6010C	Cadmium	0.97		0.037	0.24	MG/KG
SSJ3X16	SSJ3X16_POA	12/04/2012	SW6010C	Cadmium	0.43		0.037	0.23	MG/KG
SSJ3X16	SSJ3X16_POB	12/04/2012	SW6010C	Cadmium	0.51		0.037	0.24	MG/KG
SSJ3X16	SSJ3X16_SS	12/04/2012	SW6010C	Cadmium	0.47		0.039	0.25	MG/KG
SSJ3X16	SSJ3X16_SSA	12/04/2012	SW6010C	Cadmium	1.4		0.039	0.25	MG/KG
SSJ3X16	SSJ3X16_SSB	12/04/2012	SW6010C	Cadmium	0.38		0.038	0.25	MG/KG
SSJ3X18	SSJ3X18_PO2	02/06/2013	SW6010C	Cadmium	0.12	J	0.038	0.24	MG/KG
SSJ3X18	SSJ3X18_SS	12/03/2012	SW6010C	Cadmium	0.089	J	0.039	0.25	MG/KG
SSJ3X18	SSJ3X18_SSA	12/03/2012	SW6010C	Cadmium	0.11	J	0.037	0.24	MG/KG
SSJ3X18	SSJ3X18_SSB	12/03/2012	SW6010C	Cadmium	0.17	J	0.039	0.25	MG/KG
SSJ3X23	SSJ3X23_PO	12/05/2012	SW6010C	Cadmium	1.2		0.037	0.24	MG/KG
SSJ3X23	SSJ3X23_SS	12/05/2012	SW6010C	Cadmium	1.8		0.037	0.24	MG/KG
SSJ3X24	SSJ3X24_PO	12/05/2012	SW6010C	Cadmium	0.27		0.036	0.23	MG/KG
SSJ3X24	SSJ3X24_SS	12/05/2012	SW6010C	Cadmium	0.39		0.038	0.24	MG/KG
SSJ3BRSG01	J3BRSG01A	05/22/2012	SW6850	Perchlorate	0.26	J	0.067	0.77	UG/KG
SSJ3BRSG02	J3BRSG02A	05/22/2012	SW6850	Perchlorate	0.36	J	0.068	0.79	UG/KG
SSJ3BRSG02	J3BRSG02B	05/22/2012	SW6850	Perchlorate	0.31	J	0.066	0.77	UG/KG
SSJ3BRSG02	J3BRSG02C	05/22/2012	SW6850	Perchlorate	0.28	J	0.069	0.80	UG/KG
SSJ3BRSG03	J3BRSG03A	05/22/2012	SW6850	Perchlorate	0.21	J	0.067	0.77	UG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3BRSG04	J3BRSG04A	05/22/2012	SW6850	Perchlorate	0.30	J	0.066	0.76	UG/KG
SSJ3BRSG05	J3BRSG05A	06/04/2012	SW6850	Perchlorate	0.52	J	0.068	0.79	UG/KG
SSJ3BRSG06	J3BRSG06A	06/04/2012	SW6850	Perchlorate	0.33	J	0.065	0.76	UG/KG
SSJ3BRSG07	J3BRSG07A	06/04/2012	SW6850	Perchlorate	0.43	J	0.066	0.76	UG/KG
SSJ3BRSG08	J3BRSG08A	06/04/2012	SW6850	Perchlorate	7.8		0.067	0.78	UG/KG
SSJ3BRSG08	J3BRSG08A	06/04/2012	SW8330	2,4-Dinitrotoluene	1330	J	14.8	98.7	UG/KG
SSJ3BRSG08	J3BRSG08A	06/04/2012	SW8330	2,6-Dinitrotoluene	100	J	10.9	98.7	UG/KG
SSJ3BRSG08	J3BRSG08A	06/04/2012	SW8330	Tetryl	1190	J	14.8	98.7	UG/KG
SSJ3BRSG09	J3BRSG09A	06/04/2012	SW6850	Perchlorate	0.25	J	0.064	0.74	UG/KG
SSJ3BRSG10	J3BRSG10A	06/04/2012	SW6850	Perchlorate	0.25	J	0.065	0.75	UG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Aluminum	5100	J	1.7	20.0	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Arsenic	3.8		0.12	1.0	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Barium	8.5	J	0.26	20.0	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Beryllium	0.37	J	0.0071	0.50	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Boron	1.6	J	0.072	10.0	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Cadmium	1.0	J	0.013	0.50	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Calcium	296	J	2.5	500	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Chromium	7.1		0.010	1.0	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Cobalt	1.3	J	0.021	5.2	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Copper	779		0.19	13.0	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Iron	9340	J	0.47	20.0	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Lead	190	J	0.10	1.0	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Magnesium	757		2.0	500	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Manganese	50.8	J	0.0039	1.5	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Molybdenum	0.33	J	0.023	1.0	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Nickel	2.9	J	0.045	4.1	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Potassium	287	J	5.3	500	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Sodium	16.8	J	1.3	500	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Vanadium	13.3		0.031	5.2	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW6010B	Zinc	20.1		0.013	2.1	MG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW8270C	Acenaphthylene	26.0	J	16.6	360	UG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW8270C	Benzoic acid	91.0	J	62.0	910	UG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	28.0	J	23.2	360	UG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW8270C	Fluoranthene	18.0	J	13.3	360	UG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW8270C	Naphthalene	44.0	J	13.3	360	UG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW8270C	Phenanthrene	41.0	J	13.3	360	UG/KG
SSJ3T03	ECC052510J301_PO	07/15/2010	SW8270C	Pyrene	20.0	J	15.5	360	UG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Aluminum	15900		2.0	20.0	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Arsenic	5.3		0.14	1.2	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Barium	15.7	J	0.29	20.0	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Beryllium	0.70		0.0080	0.60	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Boron	1.9	J	0.081	10.0	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Cadmium	0.22	J	0.015	0.60	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Calcium	96.6	J	2.8	600	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Chromium	17.0		0.011	1.2	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Cobalt	2.3	J	0.023	5.8	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Copper	3.0		0.043	2.9	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Iron	17400		0.53	20.0	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Lead	9.7		0.12	1.0	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Magnesium	1430		2.3	600	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Manganese	55.1		0.0044	1.7	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Molybdenum	0.64	J	0.025	1.2	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Nickel	6.2		0.051	4.6	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Potassium	498	J	5.9	600	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Sodium	27.9	J	1.4	600	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Vanadium	25.0		0.035	5.8	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW6010B	Zinc	17.1		0.015	2.3	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW7471A	Mercury	0.027	J	0.017	0.040	MG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW8330	2,4,6-Trinitrotoluene	120		1.6	11.0	UG/KG
SSJ3T03	ECC052510J301_PRE	07/14/2010	SW8330	2,6-Dinitrotoluene	15.0		2.3	11.0	UG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Aluminum	6730	J	1.8	20.0	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Arsenic	3.5		0.13	1.1	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Barium	7.8	J	0.26	20.0	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Beryllium	0.38	J	0.0073	0.50	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Cadmium	1.8	J	0.014	0.50	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Calcium	120	J	2.6	500	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Chromium	8.2		0.010	1.1	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Cobalt	1.4	J	0.021	5.3	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Copper	24.8		0.039	2.6	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Iron	9690	J	0.49	20.0	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Lead	17.4	J	0.11	1.0	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Magnesium	715		2.1	500	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Manganese	40.3	J	0.0040	1.6	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Molybdenum	0.41	J	0.023	1.1	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Nickel	3.3	J	0.047	4.2	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Potassium	268	J	5.4	500	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Sodium	17.1	J	1.3	500	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Vanadium	13.9		0.032	5.3	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW6010B	Zinc	12.3		0.014	2.1	MG/KG
SSJ3T04	ECC052510J302_PO	07/15/2010	SW8270C	Benzoic acid	96.0	J	67.0	980	UG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Aluminum	17800		1.6	20.0	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Arsenic	5.6		0.12	0.96	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Barium	14.4	J	0.24	20.0	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Beryllium	0.61		0.0066	0.50	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Boron	1.6	J	0.067	10.0	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Cadmium	0.018	J	0.013	0.50	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Calcium	61.9	J	2.3	500	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Chromium	18.6		0.0093	0.96	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Cobalt	2.4	J	0.019	4.8	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Copper	2.4		0.036	2.4	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Iron	17200		0.44	20.0	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Lead	8.7		0.096	1.0	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Magnesium	1220		1.9	500	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Manganese	50.4		0.0037	1.4	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Molybdenum	0.69	J	0.021	0.96	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Nickel	6.0		0.042	3.8	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Potassium	433	J	4.9	500	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Sodium	25.2	J	1.2	500	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Vanadium	24.1		0.029	4.8	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW6010B	Zinc	13.7		0.013	1.9	MG/KG
SSJ3T04	ECC052510J302_PRE	07/14/2010	SW8330	2,4,6-Trinitrotoluene	22.0		1.6	11.0	UG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Aluminum	16200	J	1.8	20.0	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Arsenic	5.7		0.13	1.1	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Barium	13.5	J	0.27	20.0	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Beryllium	0.65		0.0075	0.50	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Cadmium	0.26	J	0.014	0.50	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Calcium	88.8	J	2.6	500	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Chromium	16.7		0.011	1.1	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Cobalt	2.1	J	0.022	5.4	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Copper	19.4		0.040	2.7	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Iron	16700	J	0.50	20.0	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Lead	14.3	J	0.11	1.0	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Magnesium	1280		2.1	500	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Manganese	49.4	J	0.0041	1.6	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Molybdenum	0.73	J	0.024	1.1	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Nickel	5.6		0.048	4.3	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Potassium	376	J	5.5	500	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Sodium	17.1	J	1.3	500	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Vanadium	23.3		0.033	5.4	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW6010B	Zinc	33.3		0.014	2.2	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW7471A	Mercury	0.024	J	0.020	0.050	MG/KG
SSJ3T06	ECC052610J301_PO	07/15/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	30.0	J	25.3	400	UG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Aluminum	14900		1.9	20.0	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Arsenic	5.6		0.13	1.1	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Barium	15.9	J	0.28	20.0	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Beryllium	0.70		0.0077	0.60	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Cadmium	0.39	J	0.015	0.60	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Calcium	54.0	J	2.7	600	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Chromium	30.1		0.011	1.1	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Cobalt	2.6	J	0.022	5.6	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Copper	25.4	J	0.041	2.8	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Iron	17700	J	0.51	20.0	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Lead	13.9	J	0.11	1.0	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Magnesium	1450		2.2	600	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Manganese	65.3	J	0.0042	1.7	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Molybdenum	0.77	J	0.025	1.1	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Nickel	8.0		0.049	4.5	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Potassium	422	J	5.7	600	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Selenium	0.33	J	0.15	3.9	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Sodium	25.6	J	1.4	600	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Vanadium	23.2		0.034	5.6	MG/KG
SSJ3T06	ECC052610J301_POD	07/16/2010	SW6010B	Zinc	33.9		0.015	2.2	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Aluminum	17700		1.7	20.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Arsenic	6.0		0.12	1.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Barium	16.0	J	0.25	20.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Beryllium	0.73		0.0069	0.50	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Boron	2.1	J	0.070	10.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Cadmium	0.034	J	0.013	0.50	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Calcium	62.8	J	2.4	500	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Chromium	19.1		0.0097	1.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Cobalt	2.6	J	0.020	5.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Copper	2.9		0.037	2.5	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Iron	18100		0.46	20.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Lead	8.9		0.10	1.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Magnesium	1670		2.0	500	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Manganese	59.5		0.0038	1.5	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Molybdenum	0.69	J	0.022	1.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Nickel	6.5		0.044	4.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Potassium	519		5.1	500	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Sodium	22.3	J	1.2	500	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Vanadium	26.1		0.030	5.0	MG/KG
SSJ3T06	ECC052610J301_PRE	07/14/2010	SW6010B	Zinc	18.6		0.013	2.0	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Aluminum	12100	J	1.9	20.0	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Arsenic	4.2		0.13	1.1	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Barium	11.1	J	0.28	20.0	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Beryllium	0.49	J	0.0076	0.60	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Cadmium	0.55	J	0.014	0.60	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Calcium	130	J	2.7	600	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Chromium	11.1		0.011	1.1	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Cobalt	1.0	J	0.022	5.5	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Copper	36.5		0.041	2.8	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Iron	13200	J	0.51	20.0	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Lead	14.5	J	0.11	1.0	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Magnesium	488	J	2.2	600	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Manganese	30.0	J	0.0042	1.7	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Molybdenum	0.91	J	0.024	1.1	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Nickel	3.9	J	0.049	4.4	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Potassium	257	J	5.7	600	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Sodium	21.5	J	1.4	600	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Vanadium	19.9		0.033	5.5	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW6010B	Zinc	16.2		0.014	2.2	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW7471A	Mercury	0.030	J	0.020	0.050	MG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	25.0	J	25.0	390	UG/KG
SSJ3T08	ECC052610J303_PO	07/15/2010	SW8330	2,4,6-Trinitrotoluene	26.0		1.5	11.0	UG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Aluminum	11700		1.8	20.0	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Arsenic	4.2		0.13	1.1	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Barium	10.2	J	0.27	20.0	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Beryllium	0.53		0.0075	0.50	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Boron	2.0	J	0.076	10.0	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Cadmium	0.55	J	0.014	0.50	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Calcium	158	J	2.7	500	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Chromium	11.8		0.011	1.1	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Cobalt	1.3	J	0.022	5.5	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Copper	11.9	J	0.040	2.7	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Iron	12300	J	0.50	20.0	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Lead	10.3	J	0.11	1.0	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Magnesium	695		2.2	500	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Manganese	39.7	J	0.0042	1.6	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Molybdenum	0.65	J	0.024	1.1	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Nickel	4.9		0.048	4.4	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Potassium	284	J	5.6	500	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Sodium	17.6	J	1.3	500	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Vanadium	18.4		0.033	5.5	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW6010B	Zinc	14.8		0.014	2.2	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW7471A	Mercury	0.020	J	0.019	0.050	MG/KG
SSJ3T08	ECC052610J303_POD	07/16/2010	SW8330	2,4,6-Trinitrotoluene	12.0		1.5	11.0	UG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Aluminum	13400		2.0	20.0	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Arsenic	4.3		0.14	1.2	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Barium	12.8	J	0.30	20.0	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Beryllium	0.62		0.0082	0.60	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Boron	1.8	J	0.084	10.0	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Cadmium	2.6		0.015	0.60	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Calcium	112	J	2.9	600	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Chromium	14.3		0.012	1.2	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Cobalt	2.1	J	0.024	6.0	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Copper	2.8	J	0.044	3.0	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Iron	13300		0.55	20.0	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Lead	8.6		0.12	1.0	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Magnesium	1300		2.4	600	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Manganese	52.4		0.0045	1.8	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Molybdenum	0.66	J	0.026	1.2	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Nickel	5.5		0.052	4.8	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Potassium	464	J	6.1	600	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Sodium	33.5	J	1.5	600	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Vanadium	20.5		0.036	6.0	MG/KG
SSJ3T08	ECC052610J303_PRE	07/14/2010	SW6010B	Zinc	14.7		0.015	2.4	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Aluminum	2880	J	1.8	20.0	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Arsenic	3.8		0.13	1.1	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Barium	5.4	J	0.26	20.0	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Beryllium	0.29	J	0.0073	0.50	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Boron	1.9	J	0.074	10.0	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Calcium	262	J	2.6	500	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Chromium	5.1		0.010	1.1	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Cobalt	1.3	J	0.021	5.3	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Copper	16.3		0.039	2.6	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Iron	7890	J	0.48	20.0	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Lead	12.9	J	0.11	1.0	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Magnesium	576		2.1	500	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Manganese	46.1	J	0.0040	1.6	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Nickel	2.0	J	0.046	4.2	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Potassium	243	J	5.4	500	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Sodium	14.2	J	1.3	500	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Vanadium	12.9		0.032	5.3	MG/KG
SSJ3T10	ECC052610J305_PO	07/15/2010	SW6010B	Zinc	10.8		0.014	2.1	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Aluminum	12600		1.8	20.0	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Arsenic	5.5		0.13	1.1	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Barium	12.7	J	0.27	20.0	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Beryllium	0.50		0.0074	0.50	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Boron	1.7	J	0.075	10.0	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Cadmium	0.92		0.014	0.50	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Calcium	96.9	J	2.6	500	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Chromium	12.5		0.010	1.1	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Cobalt	1.3	J	0.021	5.4	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Copper	3.6		0.040	2.7	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Iron	16300		0.49	20.0	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Lead	12.1		0.11	1.0	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Magnesium	858		2.1	500	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Manganese	36.5		0.0041	1.6	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Molybdenum	1.2		0.024	1.1	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Nickel	3.7	J	0.047	4.3	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Potassium	341	J	5.5	500	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Sodium	19.8	J	1.3	500	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Vanadium	22.5		0.032	5.4	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW6010B	Zinc	13.5		0.014	2.1	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW7471A	Mercury	0.026	J	0.018	0.040	MG/KG
SSJ3T10	ECC052610J305_PRE	07/14/2010	SW8270C	Benzoic acid	130	J	67.4	1000	UG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Aluminum	12900	J	1.9	20.0	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Arsenic	6.3		0.14	1.1	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Barium	12.4	J	0.28	20.0	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Beryllium	0.60		0.0079	0.60	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Boron	1.9	J	0.080	10.0	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Cadmium	0.21	J	0.015	0.60	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Calcium	171	J	2.8	600	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Chromium	14.4		0.011	1.1	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Cobalt	2.4	J	0.023	5.7	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Copper	48.6		0.042	2.8	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Iron	14200	J	0.52	20.0	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Lead	22.4	J	0.11	1.0	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Magnesium	1540		2.2	600	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Manganese	74.7	J	0.0043	1.7	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Molybdenum	0.94	J	0.025	1.1	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Nickel	5.9		0.050	4.6	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Potassium	557	J	5.8	600	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Sodium	21.3	J	1.4	600	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Vanadium	20.7		0.034	5.7	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW6010B	Zinc	19.9		0.015	2.3	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW7471A	Mercury	0.024	J	0.018	0.040	MG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW8270C	Acenaphthylene	20.0	J	18.3	400	UG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW8270C	Benzoic acid	80.0	J	68.3	1000	UG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	55.0	J	25.6	400	UG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW8270C	Fluoranthene	22.0	J	14.6	400	UG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW8270C	Naphthalene	69.0	J	14.6	400	UG/KG
SSJ3T11	ECC052610J306_PO	07/15/2010	SW8270C	Phenanthrene	36.0	J	14.6	400	UG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Aluminum	14700		1.9	20.0	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Arsenic	6.1		0.13	1.1	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Barium	14.9	J	0.28	20.0	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Beryllium	0.61		0.0077	0.60	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Boron	2.1	J	0.078	10.0	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Cadmium	0.18	J	0.015	0.60	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Calcium	112	J	2.7	600	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Chromium	16.6		0.011	1.1	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Cobalt	2.8	J	0.022	5.6	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Copper	3.7		0.041	2.8	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Iron	15300		0.51	20.0	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Lead	8.5		0.11	1.0	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Magnesium	1600		2.2	600	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Manganese	68.5		0.0042	1.7	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Molybdenum	0.92	J	0.025	1.1	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Nickel	6.6		0.049	4.5	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Potassium	498	J	5.7	600	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Sodium	26.7	J	1.4	600	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Vanadium	21.6		0.034	5.6	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW6010B	Zinc	17.7		0.015	2.2	MG/KG
SSJ3T11	ECC052610J306_PRE	07/14/2010	SW7471A	Mercury	0.029	J	0.020	0.050	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Aluminum	11900	J	1.8	20.0	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Arsenic	5.6		0.13	1.1	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Barium	13.2	J	0.27	20.0	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Beryllium	0.58		0.0074	0.50	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Boron	3.3	J	0.075	10.0	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Cadmium	0.89	J	0.014	0.50	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Calcium	122	J	2.6	500	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Chromium	14.0		0.010	1.1	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Cobalt	1.7	J	0.021	5.3	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Copper	75.3		0.040	2.7	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Iron	14600	J	0.49	20.0	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Lead	28.4	J	0.11	1.0	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Magnesium	1090		2.1	500	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Manganese	48.5	J	0.0041	1.6	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Molybdenum	0.82	J	0.024	1.1	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Nickel	5.4		0.047	4.3	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Potassium	376	J	5.5	500	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Sodium	23.6	J	1.3	500	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Vanadium	20.1		0.032	5.3	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW6010B	Zinc	128		0.014	2.1	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW7471A	Mercury	0.032	J	0.016	0.040	MG/KG
SSJ3T12	ECC052610J307_PO	07/15/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	37.0	J	25.0	390	UG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Aluminum	9420		1.9	20.0	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Arsenic	4.5		0.14	1.1	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Barium	19.0	J	0.28	20.0	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Beryllium	0.49	J	0.0078	0.60	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Cadmium	1.9	J	0.015	0.60	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Calcium	293	J	2.8	600	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Chromium	10.1		0.011	1.1	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Cobalt	1.5	J	0.023	5.7	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Copper	80.3	J	0.042	2.8	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Iron	12600	J	0.52	20.0	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Lead	14.1	J	0.11	1.0	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Magnesium	1010		2.2	600	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Manganese	59.8	J	0.0043	1.7	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Molybdenum	0.57	J	0.025	1.1	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Nickel	5.4		0.050	4.5	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Potassium	352	J	5.8	600	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Sodium	23.4	J	1.4	600	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Vanadium	16.7		0.034	5.7	MG/KG
SSJ3T12	ECC052610J307_POD	07/16/2010	SW6010B	Zinc	41.3		0.015	2.3	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Aluminum	10200		1.9	20.0	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Arsenic	4.9		0.14	1.1	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Barium	13.5	J	0.28	20.0	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Beryllium	0.55	J	0.0078	0.60	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Boron	1.7	J	0.079	10.0	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Cadmium	0.98		0.015	0.60	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Calcium	86.1	J	2.7	600	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Chromium	11.7		0.011	1.1	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Cobalt	1.6	J	0.023	5.6	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Copper	3.4		0.042	2.8	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Iron	12500		0.52	20.0	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Lead	6.0		0.11	1.0	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Magnesium	1140		2.2	600	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Manganese	51.8		0.0043	1.7	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Molybdenum	0.72	J	0.025	1.1	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Nickel	4.9		0.050	4.5	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Potassium	438	J	5.8	600	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Sodium	19.3	J	1.4	600	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Vanadium	17.2		0.034	5.6	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW6010B	Zinc	15.5		0.015	2.3	MG/KG
SSJ3T12	ECC052610J307_PRE	07/14/2010	SW7471A	Mercury	0.020	J	0.017	0.040	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Aluminum	11100	J	1.8	20.0	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Arsenic	5.1		0.13	1.1	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Barium	10.5	J	0.27	20.0	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Beryllium	0.63		0.0073	0.50	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Boron	1.7	J	0.074	10.0	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Cadmium	0.51	J	0.014	0.50	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Calcium	81.2	J	2.6	500	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Chromium	12.5		0.010	1.1	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Cobalt	2.5	J	0.021	5.3	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Copper	19.3		0.039	2.7	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Iron	15000	J	0.49	20.0	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Lead	13.1	J	0.11	1.0	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Magnesium	1410		2.1	500	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Manganese	70.9	J	0.0040	1.6	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Molybdenum	0.72	J	0.023	1.1	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Nickel	5.3		0.047	4.2	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Potassium	463	J	5.4	500	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Sodium	19.7	J	1.3	500	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Vanadium	19.4		0.032	5.3	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW6010B	Zinc	17.8		0.014	2.1	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T13	ECC052710J301_PO	07/15/2010	SW7471A	Mercury	0.023	J	0.018	0.040	MG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW8330	2,4,6-Trinitrotoluene	12.0	J	1.5	11.0	UG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW8330	2,4-Dinitrotoluene	23.0		1.5	11.0	UG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW8330	2,6-Dinitrotoluene	18.0		2.1	11.0	UG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW8330	2-Amino-4,6-dinitrotoluene	48.0		1.7	11.0	UG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW8330	2-Nitrotoluene	29.0	J	2.9	11.0	UG/KG
SSJ3T13	ECC052710J301_PO	07/15/2010	SW8330	4-Amino-2,6-Dinitrotoluene	37.0	J	1.8	11.0	UG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Aluminum	11000		1.7	20.0	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Arsenic	5.4		0.12	0.99	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Barium	9.5	J	0.25	20.0	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Beryllium	0.55		0.0068	0.50	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Cadmium	0.32	J	0.013	0.50	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Calcium	68.4	J	2.4	500	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Chromium	11.9		0.0096	0.99	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Cobalt	1.9	J	0.020	4.9	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Copper	12.5	J	0.037	2.5	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Iron	13400	J	0.45	20.0	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Lead	11.0	J	0.099	1.0	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Magnesium	1110		1.9	500	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Manganese	47.5	J	0.0038	1.5	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Molybdenum	0.59	J	0.022	0.99	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Nickel	5.5		0.043	4.0	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Potassium	321	J	5.1	500	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Selenium	0.19	J	0.13	3.5	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Sodium	21.8	J	1.2	500	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Vanadium	17.8		0.030	4.9	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW6010B	Zinc	14.5		0.013	2.0	MG/KG
SSJ3T13	ECC052710J301_POD	07/16/2010	SW7471A	Mercury	0.018	J	0.018	0.040	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Aluminum	10000		1.5	20.0	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Arsenic	3.6		0.11	0.90	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Barium	13.4	J	0.23	20.0	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Beryllium	0.64		0.0062	0.50	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Boron	1.9	J	0.063	9.0	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Cadmium	3.8		0.012	0.50	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Calcium	88.9	J	2.2	500	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Chromium	12.3		0.0088	0.90	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Cobalt	3.3	J	0.018	4.5	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Copper	4.8		0.033	2.3	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Iron	11100		0.42	20.0	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Lead	6.1		0.090	0.90	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Magnesium	1830		1.8	500	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Manganese	78.4		0.0034	1.4	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Molybdenum	0.40	J	0.020	0.90	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Nickel	6.4		0.040	3.6	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Potassium	537		4.6	500	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Sodium	18.0	J	1.1	500	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Vanadium	15.9		0.027	4.5	MG/KG
SSJ3T13	ECC052710J301_PRE	07/14/2010	SW6010B	Zinc	18.3		0.012	1.8	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Aluminum	12400	J	1.8	20.0	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Arsenic	5.1		0.12	1.0	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Barium	21.8		0.26	20.0	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Beryllium	0.61		0.0072	0.50	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Boron	1.6	J	0.073	10.0	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Cadmium	1.4	J	0.013	0.50	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Calcium	106	J	2.5	500	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Chromium	13.0		0.010	1.0	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Cobalt	1.5	J	0.021	5.2	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Copper	43.4		0.038	2.6	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Iron	15600	J	0.48	20.0	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Lead	20.2	J	0.10	1.0	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Magnesium	977		2.1	500	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Manganese	57.3	J	0.0040	1.6	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Molybdenum	0.95	J	0.023	1.0	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Nickel	5.3		0.046	4.2	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Potassium	411	J	5.3	500	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Sodium	31.0	J	1.3	500	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Vanadium	23.1		0.031	5.2	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW6010B	Zinc	55.9		0.013	2.1	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW7471A	Mercury	0.048		0.018	0.040	MG/KG
SSJ3T14	ECC052710J302_PO	07/15/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	33.0	J	26.0	410	UG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Aluminum	11900		1.9	20.0	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Arsenic	4.2		0.14	1.1	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Barium	19.8	J	0.29	20.0	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Beryllium	0.61		0.0079	0.60	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Cadmium	1.5	J	0.015	0.60	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Calcium	80.1	J	2.8	600	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Chromium	11.7		0.011	1.1	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Cobalt	1.1	J	0.023	5.7	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Copper	24.2	J	0.042	2.9	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Iron	14600	J	0.52	20.0	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Lead	15.0	J	0.11	1.0	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Magnesium	746		2.2	600	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Manganese	49.4	J	0.0043	1.7	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Molybdenum	0.82	J	0.025	1.1	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Nickel	5.5		0.050	4.6	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Potassium	336	J	5.8	600	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Selenium	0.19	J	0.15	4.0	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Sodium	29.5	J	1.4	600	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Vanadium	20.2		0.034	5.7	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW6010B	Zinc	39.4		0.015	2.3	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW7471A	Mercury	0.043		0.018	0.040	MG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW8270C	Benzoic acid	160	J	67.7	1000	UG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW8330	2,4,6-Trinitrotoluene	20.0		1.5	11.0	UG/KG
SSJ3T14	ECC052710J302_POD	07/16/2010	SW8330	2,4-Dinitrotoluene	12.0		1.5	11.0	UG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Aluminum	11400		1.6	20.0	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Arsenic	4.5		0.11	0.93	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Barium	17.9	J	0.23	20.0	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Beryllium	0.54		0.0064	0.50	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Boron	2.1	J	0.065	9.0	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Cadmium	0.68		0.012	0.50	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Calcium	107	J	2.3	500	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Chromium	11.9		0.0090	0.93	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Cobalt	1.5	J	0.019	4.6	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Copper	4.9		0.034	2.3	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Iron	12700		0.43	20.0	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Lead	9.3		0.093	0.90	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Magnesium	1040		1.8	500	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Manganese	52.7		0.0035	1.4	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Molybdenum	0.77	J	0.020	0.93	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Nickel	5.0		0.041	3.7	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Potassium	401	J	4.8	500	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Sodium	27.4	J	1.1	500	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Vanadium	18.6		0.028	4.6	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW6010B	Zinc	17.8		0.012	1.9	MG/KG
SSJ3T14	ECC052710J302_PRE	07/14/2010	SW7471A	Mercury	0.024	J	0.014	0.030	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	D2216	Moisture	10.0				PERCENT
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Aluminum	7940	J	1.7	20.0	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Arsenic	3.4		0.12	0.99	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Barium	7.6	J	0.25	20.0	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Beryllium	0.40	J	0.0068	0.50	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Boron	1.1	J	0.069	10.0	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Calcium	35.0	J	2.4	500	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Chromium	8.3		0.0096	0.99	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Cobalt	1.4	J	0.020	4.9	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Copper	20.2	J	0.036	2.5	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Iron	9370	J	0.45	20.0	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Lead	12.9	J	0.099	1.0	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Magnesium	505		1.9	500	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Manganese	30.9	J	0.0038	1.5	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Molybdenum	0.48	J	0.022	0.99	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Nickel	3.7	J	0.043	4.0	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Potassium	242	J	5.1	500	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Sodium	26.4	J	1.2	500	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Vanadium	13.6		0.030	4.9	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW6010B	Zinc	7.6		0.013	2.0	MG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW8330	2,4,6-Trinitrotoluene	37.0		1.5	10.0	UG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW8330	2,4-Dinitrotoluene	12.0		1.5	10.0	UG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW8330	2-Amino-4,6-dinitrotoluene	28.0		1.7	10.0	UG/KG
SSJ3T19	ECC070810J301_PO	07/15/2010	SW8330	4-Amino-2,6-Dinitrotoluene	18.0		1.8	10.0	UG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Aluminum	8040		1.8	20.0	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Arsenic	3.1		0.13	1.0	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Barium	7.1	J	0.26	20.0	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Beryllium	0.41	J	0.0072	0.50	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Calcium	41.0	J	2.5	500	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Chromium	7.9		0.010	1.0	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Cobalt	1.0	J	0.021	5.2	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Copper	33.5	J	0.039	2.6	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Iron	9640	J	0.48	20.0	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Lead	20.1	J	0.10	1.0	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Magnesium	402	J	2.1	500	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Manganese	25.9	J	0.0040	1.6	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Molybdenum	0.40	J	0.023	1.0	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Nickel	3.5	J	0.046	4.2	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Potassium	199	J	5.4	500	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Selenium	0.19	J	0.14	3.7	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Sodium	13.2	J	1.3	500	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Vanadium	13.7		0.031	5.2	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW6010B	Zinc	9.6		0.014	2.1	MG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW8330	2,4,6-Trinitrotoluene	21.0		1.5	11.0	UG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW8330	2-Amino-4,6-dinitrotoluene	21.0		1.7	11.0	UG/KG
SSJ3T19	ECC070810J301_POD	07/16/2010	SW8330	4-Amino-2,6-Dinitrotoluene	14.0		1.8	11.0	UG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	D2216	Moisture	20.0				PERCENT
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Aluminum	8720	J	1.7	20.0	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Arsenic	3.5		0.12	1.0	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Barium	7.7	J	0.26	20.0	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Beryllium	0.37	J	0.0070	0.50	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Boron	1.2	J	0.071	10.0	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Calcium	44.9	J	2.5	500	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Chromium	8.0		0.0099	1.0	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Cobalt	0.90	J	0.020	5.1	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Copper	1.4	J	0.038	2.6	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Iron	11100	J	0.47	20.0	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Lead	5.4		0.10	1.0	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Magnesium	441	J	2.0	500	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Manganese	26.6	J	0.0039	1.5	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Molybdenum	0.52	J	0.022	1.0	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Nickel	3.6	J	0.045	4.1	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Potassium	228	J	5.2	500	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Sodium	14.5	J	1.2	500	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Vanadium	16.2		0.031	5.1	MG/KG
SSJ3T19	ECC070810J301_PRE	07/14/2010	SW6010B	Zinc	10.5		0.013	2.0	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	D2216	Moisture	16.0				PERCENT
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Aluminum	13800	J	1.8	20.0	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Arsenic	5.6		0.13	1.1	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Barium	14.3	J	0.27	20.0	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Beryllium	0.70		0.0075	0.50	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Boron	2.1	J	0.076	10.0	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Cadmium	0.52	J	0.014	0.50	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Calcium	152	J	2.7	500	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Chromium	16.3		0.011	1.1	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Cobalt	2.9	J	0.022	5.5	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Copper	83.4	J	0.040	2.7	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Iron	14900	J	0.50	20.0	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Lead	46.3	J	0.11	1.0	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Magnesium	1790		2.2	500	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Manganese	70.1	J	0.0042	1.6	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Molybdenum	0.48	J	0.024	1.1	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Nickel	7.4		0.048	4.4	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Potassium	516		5.6	500	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Sodium	26.7	J	1.3	500	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Vanadium	21.7		0.033	5.5	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW6010B	Zinc	22.1		0.014	2.2	MG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW8270C	Naphthalene	29.0	J	14.3	390	UG/KG
SSJ3T20	ECC070910J301_PO	07/15/2010	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	26.0		2.0	11.0	UG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	D2216	Moisture	18.0				PERCENT
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Aluminum	15000	J	2.0	20.0	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Arsenic	5.3		0.14	1.2	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Barium	14.8	J	0.29	20.0	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Beryllium	0.74		0.0081	0.60	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Boron	2.2	J	0.082	10.0	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Cadmium	0.087	J	0.015	0.60	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Calcium	97.9	J	2.9	600	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Chromium	17.9		0.011	1.2	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Cobalt	2.8	J	0.024	5.9	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Copper	3.5		0.043	2.9	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Iron	15800	J	0.54	20.0	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Lead	8.3		0.12	1.0	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Magnesium	1830		2.3	600	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Manganese	68.2	J	0.0045	1.8	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Molybdenum	0.50	J	0.026	1.2	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Nickel	7.7		0.052	4.7	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Potassium	526	J	6.0	600	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Sodium	21.6	J	1.4	600	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Vanadium	22.3		0.035	5.9	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW6010B	Zinc	18.1		0.015	2.4	MG/KG
SSJ3T20	ECC070910J301_PRE	07/14/2010	SW7471A	Mercury	0.027	J	0.019	0.050	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	D2216	Moisture	15.0				PERCENT
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Aluminum	6510	J	1.8	20.0	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Arsenic	3.4		0.13	1.0	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Barium	9.0	J	0.26	20.0	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Beryllium	0.39	J	0.0072	0.50	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Boron	1.3	J	0.073	10.0	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Cadmium	0.13	J	0.014	0.50	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Calcium	92.9	J	2.5	500	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Chromium	7.3		0.010	1.0	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Cobalt	1.2	J	0.021	5.2	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Copper	6.6	J	0.039	2.6	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Iron	9120	J	0.48	20.0	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Lead	7.5	J	0.10	1.0	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Magnesium	689		2.1	500	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Manganese	37.7	J	0.0040	1.6	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Molybdenum	0.42	J	0.023	1.0	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Nickel	2.9	J	0.046	4.2	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Potassium	319	J	5.3	500	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Sodium	25.8	J	1.3	500	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Vanadium	13.5		0.031	5.2	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW6010B	Zinc	9.7		0.014	2.1	MG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW8270C	Benzoic acid	77.0	J	64.8	960	UG/KG
SSJ3T23	ECC070910J304_PO	07/15/2010	SW8270C	Fluoranthene	18.0	J	13.9	380	UG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	D2216	Moisture	16.0				PERCENT
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Aluminum	14100	J	1.9	20.0	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Arsenic	4.7		0.13	1.1	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Barium	12.3	J	0.28	20.0	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Beryllium	0.52	J	0.0077	0.60	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Boron	1.4	J	0.078	10.0	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Cadmium	9.7		0.014	0.60	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Calcium	128	J	2.7	600	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Chromium	13.9		0.011	1.1	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Cobalt	1.1	J	0.022	5.6	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Copper	1.7	J	0.041	2.8	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Iron	14500	J	0.51	20.0	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Lead	7.8		0.11	1.0	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Magnesium	877		2.2	600	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Manganese	38.2	J	0.0042	1.7	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Molybdenum	0.68	J	0.024	1.1	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Nickel	4.4		0.049	4.4	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Potassium	319	J	5.7	600	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Sodium	17.9	J	1.4	600	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Vanadium	19.3		0.033	5.6	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW6010B	Zinc	13.2		0.014	2.2	MG/KG
SSJ3T23	ECC070910J304_PRE	07/14/2010	SW7471A	Mercury	0.027	J	0.018	0.040	MG/KG
SSJ3T01	SSJ3T01_PO2	02/06/2013	SW6010C	Cadmium	0.13	J	0.039	0.25	MG/KG
SSJ3T01	SSJ3T01_SS	12/04/2012	SW6010C	Cadmium	0.32		0.038	0.25	MG/KG
SSJ3T01	SSJ3T01_SSA	12/04/2012	SW6010C	Cadmium	0.28		0.037	0.24	MG/KG
SSJ3T01	SSJ3T01_SSB	12/04/2012	SW6010C	Cadmium	0.25		0.039	0.25	MG/KG
SSJ3T05	SSJ3T05_PO	12/06/2012	SW6010C	Cadmium	0.25		0.036	0.23	MG/KG
SSJ3T05	SSJ3T05_PO	12/06/2012	SW6010C	Copper	200		0.10	1.1	MG/KG
SSJ3T05	SSJ3T05_PO	12/06/2012	SW6010C	Lead	14.2		0.20	0.46	MG/KG
SSJ3T05	SSJ3T05_SS	12/06/2012	SW6010C	Cadmium	0.25		0.038	0.25	MG/KG
SSJ3T05	SSJ3T05_SS	12/06/2012	SW6010C	Copper	9.6		0.11	1.2	MG/KG
SSJ3T05	SSJ3T05_SS	12/06/2012	SW6010C	Lead	19.0		0.22	0.49	MG/KG
SSJ3T07	SSJ3T07_PO	12/05/2012	SW6010C	Cadmium	0.25		0.037	0.24	MG/KG
SSJ3T07	SSJ3T07_SS	12/05/2012	SW6010C	Cadmium	0.64		0.037	0.24	MG/KG
SSJ3T09	SSJ3T09_PO	12/05/2012	SW6010C	Cadmium	0.40		0.037	0.24	MG/KG
SSJ3T09	SSJ3T09_SS	12/05/2012	SW6010C	Cadmium	0.77		0.039	0.25	MG/KG
SSJ3T15	SSJ3T15_PO	11/30/2012	SW6010C	Cadmium	0.26	J	0.038	0.25	MG/KG
SSJ3T15	SSJ3T15_POA	11/30/2012	SW6010C	Cadmium	0.24		0.037	0.24	MG/KG
SSJ3T15	SSJ3T15_POB	11/30/2012	SW6010C	Cadmium	0.81		0.037	0.24	MG/KG
SSJ3T15	SSJ3T15_SS	11/30/2012	SW6010C	Cadmium	0.40		0.038	0.25	MG/KG
SSJ3T15	SSJ3T15_SSA	11/30/2012	SW6010C	Cadmium	0.16	J	0.038	0.24	MG/KG
SSJ3T15	SSJ3T15_SSB	11/30/2012	SW6010C	Cadmium	0.26		0.038	0.25	MG/KG
SSJ3T18	SSJ3T18_PO	11/29/2012	SW6010C	Cadmium	0.090	J	0.039	0.25	MG/KG
SSJ3T18	SSJ3T18_SS	11/29/2012	SW6010C	Cadmium	0.48		0.038	0.24	MG/KG
SSJ3T21	SSJ3T21_PO2	02/05/2013	SW6010C	Cadmium	0.27		0.038	0.24	MG/KG
SSJ3T21	SSJ3T21_SS	12/05/2012	SW6010C	Cadmium	1.5		0.038	0.25	MG/KG
SSJ3T22	SSJ3T22_PO	12/05/2012	SW6010C	Cadmium	0.082	J	0.039	0.25	MG/KG
SSJ3T22	SSJ3T22_SS	12/05/2012	SW6010C	Cadmium	0.18	J	0.038	0.24	MG/KG
SSJ3B01	SSJ3B01_PO2	02/06/2013	SW6010C	Cadmium	1.3		0.038	0.24	MG/KG
SSJ3B01	SSJ3B01_SS	12/04/2012	SW6010C	Cadmium	0.36		0.037	0.24	MG/KG
SSJ3B02	SSJ3B02_PO	12/06/2012	SW6010C	Cadmium	1.9		0.062	0.40	MG/KG
SSJ3B02	SSJ3B02_SS	12/06/2012	SW6010C	Cadmium	0.49		0.035	0.23	MG/KG
SSJ3B03	SSJ3B03_PO	12/04/2012	SW6010C	Cadmium	0.14	J	0.037	0.24	MG/KG
SSJ3B03	SSJ3B03_SS	12/04/2012	SW6010C	Cadmium	0.31		0.038	0.25	MG/KG
SSJ3B07	SSJ3B07_PO	12/05/2012	SW6010C	Cadmium	0.31		0.039	0.25	MG/KG
SSJ3B07	SSJ3B07_SS	12/05/2012	SW6010C	Cadmium	0.32		0.038	0.25	MG/KG
SSJ3B08	SSJ3B08_SS	12/04/2012	SW8330	Tetryl	2620		14.8	98.8	UG/KG
SSJ3B09	SSJ3B09_PO	12/04/2012	SW6010C	Cadmium	0.20	J	0.037	0.23	MG/KG
SSJ3B09	SSJ3B09_POA	12/04/2012	SW6010C	Cadmium	0.18	J	0.037	0.24	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B09	SSJ3B09_POB	12/04/2012	SW6010C	Cadmium	0.21	J	0.038	0.25	MG/KG
SSJ3B09	SSJ3B09_SS	12/04/2012	SW6010C	Cadmium	0.44		0.037	0.24	MG/KG
SSJ3B12	SSJ3B12_PO	12/06/2012	SW6010C	Cadmium	0.84		0.039	0.25	MG/KG
SSJ3B12	SSJ3B12_SS	12/06/2012	SW6010C	Cadmium	0.37		0.039	0.25	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Aluminum	12400		1.4	10.0	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Antimony	0.22	J	0.19	3.0	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Arsenic	3.7		0.11	0.50	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Barium	11.1		0.32	10.0	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Beryllium	0.27		0.010	0.25	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Cadmium	0.11	J	0.030	0.25	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Calcium	138	J	5.0	251	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Chromium	11.6		0.010	0.50	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Cobalt	1.0	J	0.030	2.5	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Copper	28.8		0.080	1.3	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Iron	13400		1.2	10.0	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Lead	16.9		0.11	0.50	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Magnesium	764		1.8	251	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Manganese	32.4		0.045	0.75	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Molybdenum	0.71		0.030	0.50	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Nickel	4.0		0.075	2.0	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Potassium	293		11.5	251	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Selenium	1.1	J	0.16	1.8	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Sodium	21.9	J	2.6	251	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Thallium	0.11	J	0.095	1.3	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Vanadium	18.4		0.040	2.5	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW6010B	Zinc	10.7		0.030	1.0	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW7471A	Mercury	0.023	J	0.0021	0.031	MG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW8270C	Benzyl alcohol	350		16.0	330	UG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW8270C	Diethyl Phthalate	24.0	J	15.0	330	UG/KG
SSJ3B04	TT052411J3B02_PO	11/08/2011	SW8270C	Phenol	60.0	J	39.0	330	UG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Aluminum	12500		3.5	25.0	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Arsenic	4.3		0.26	1.2	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Barium	10.0	J	0.79	25.0	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Beryllium	0.27	J	0.025	0.62	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Boron	1.3	J	0.22	12.5	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Cadmium	0.19	J	0.075	0.62	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Calcium	107	J	12.5	624	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Chromium	10.9		0.025	1.2	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Cobalt	0.96	J	0.075	6.2	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Copper	2.3	J	0.20	3.1	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Iron	14800		2.9	25.0	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Lead	9.2		0.27	1.2	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Magnesium	584	J	4.4	624	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Manganese	24.5		0.11	1.9	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Molybdenum	0.87	J	0.075	1.2	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Nickel	3.9	J	0.19	5.0	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Potassium	334	J	28.7	624	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Selenium	0.92	J	0.40	4.4	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Sodium	22.7	J	6.4	624	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Vanadium	21.1		0.10	6.2	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW6010B	Zinc	8.8		0.075	2.5	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW7471A	Mercury	0.021	J	0.0025	0.037	MG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	35.0	J	27.0	420	UG/KG
SSJ3B04	TT052411J3B02_PRE	11/01/2011	SW8330	2,4,6-Trinitrotoluene	47.6	J	6.7	101	UG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Aluminum	15600		1.4	10.0	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Antimony	0.29	J	0.19	3.0	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Arsenic	5.4		0.10	0.50	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Barium	15.9		0.31	10.0	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Beryllium	0.44		0.010	0.25	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Boron	1.8	J	0.090	5.0	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Cadmium	0.45		0.030	0.25	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Calcium	104	J	5.0	250	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Chromium	17.6		0.010	0.50	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Cobalt	3.2		0.030	2.5	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Copper	19.5		0.080	1.2	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Iron	16600		1.1	10.0	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Lead	14.5		0.11	0.50	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Magnesium	1930		1.7	250	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Manganese	77.8		0.045	0.75	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Molybdenum	0.66		0.030	0.50	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Nickel	8.9		0.075	2.0	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Potassium	514		11.5	250	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Selenium	1.5	J	0.16	1.7	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Sodium	31.8	J	2.5	250	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Vanadium	24.4		0.040	2.5	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW6010B	Zinc	28.6		0.030	1.0	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW7471A	Mercury	0.031	J	0.0021	0.032	MG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW8270C	Benzyl alcohol	610		16.0	330	UG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW8270C	Benzyl butyl phthalate	51.0	J	20.0	330	UG/KG
SSJ3B05	TT052511J3B01_PO	11/07/2011	SW8270C	Phenol	64.0	J	40.0	330	UG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Aluminum	14900		2.9	20.4	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Arsenic	5.6		0.21	1.0	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Barium	16.0	J	0.64	20.4	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.45	J	0.020	0.51	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Boron	2.1	J	0.18	10.2	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Cadmium	0.52		0.061	0.51	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Calcium	116	J	10.2	511	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Chromium	16.3		0.020	1.0	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Cobalt	3.6	J	0.061	5.1	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Copper	4.5		0.16	2.6	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Iron	15700		2.3	20.4	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Lead	9.6		0.22	1.0	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Magnesium	2100		3.6	511	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Manganese	83.7		0.092	1.5	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.52	J	0.061	1.0	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Nickel	8.4		0.15	4.1	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Potassium	542		23.5	511	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Selenium	1.5	J	0.33	3.6	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Sodium	28.9	J	5.2	511	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Vanadium	23.5		0.082	5.1	MG/KG
SSJ3B05	TT052511J3B01_PRE	11/01/2011	SW6010B	Zinc	18.9		0.061	2.0	MG/KG
SSJ3B06	TT052511J3B02_D	06/02/2011	SW6850	Perchlorate	0.14	J	0.061	0.97	UG/KG
SSJ3B06	TT052511J3B02_D	06/02/2011	SW8330	2,4,6-Trinitrotoluene	117000		99.0	1500	UG/KG
SSJ3B06	TT052511J3B02_D	06/02/2011	SW8330	2-Amino-4,6-dinitrotoluene	2420		105	1500	UG/KG
SSJ3B06	TT052511J3B02_D	06/02/2011	SW8330	4-Amino-2,6-Dinitrotoluene	3220		150	1500	UG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Aluminum	12000		1.4	9.9	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Arsenic	4.5		0.10	0.50	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Barium	13.6		0.31	9.9	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Beryllium	0.31		0.0099	0.25	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Cadmium	1.1		0.030	0.25	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Calcium	117	J	5.0	248	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Chromium	14.9		0.0099	0.50	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Cobalt	2.3	J	0.030	2.5	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Copper	64.0		0.079	1.2	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Iron	13000		1.1	9.9	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Lead	29.0		0.11	0.50	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Magnesium	1470		1.7	248	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Manganese	55.6		0.045	0.74	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Molybdenum	0.61		0.030	0.50	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Nickel	6.5		0.074	2.0	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Potassium	413		11.4	248	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Selenium	0.85	J	0.16	1.7	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Sodium	20.7	J	2.5	248	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Vanadium	17.7		0.040	2.5	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW6010B	Zinc	17.9		0.030	0.99	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW7471A	Mercury	0.017	J	0.0020	0.030	MG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW8270C	Benzyl alcohol	280	J	16.0	330	UG/KG
SSJ3B10	TT060911J3B01_PO	11/08/2011	SW8270C	Diethyl Phthalate	18.0	J	15.0	330	UG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Aluminum	12100		2.6	18.4	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Arsenic	5.0		0.19	0.92	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Barium	12.0	J	0.58	18.4	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.32	J	0.018	0.46	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Boron	1.8	J	0.17	9.2	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Cadmium	0.095	J	0.055	0.46	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Calcium	72.8	J	9.2	461	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Chromium	14.2		0.018	0.92	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Cobalt	2.6	J	0.055	4.6	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Copper	3.7		0.15	2.3	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Iron	12200		2.1	18.4	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Lead	7.4		0.20	0.92	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Magnesium	1650		3.2	461	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Manganese	57.4		0.083	1.4	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.51	J	0.055	0.92	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Nickel	7.0		0.14	3.7	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Potassium	461		21.2	461	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Selenium	0.80	J	0.30	3.2	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Sodium	22.9	J	4.7	461	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Thallium	0.25	J	0.18	2.3	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Vanadium	18.2		0.074	4.6	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW6010B	Zinc	15.9		0.055	1.8	MG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW8270C	Benzyl butyl phthalate	25.0	J	25.0	410	UG/KG
SSJ3B10	TT060911J3B01_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	42.0	J	26.0	410	UG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Aluminum	11000		1.4	9.9	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Arsenic	4.2		0.10	0.50	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Barium	12.2		0.31	9.9	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Beryllium	0.31		0.0099	0.25	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Cadmium	1.3		0.030	0.25	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Calcium	93.9	J	5.0	249	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Chromium	12.6		0.0099	0.50	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Cobalt	2.1	J	0.030	2.5	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Copper	68.7		0.080	1.2	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Iron	11700		1.1	9.9	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Lead	28.5		0.11	0.50	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Magnesium	1340		1.7	249	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Manganese	51.7		0.045	0.75	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Molybdenum	0.56		0.030	0.50	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Nickel	5.7		0.075	2.0	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Potassium	358		11.4	249	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Selenium	0.95	J	0.16	1.7	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Sodium	19.5	J	2.5	249	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Vanadium	16.5		0.040	2.5	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW6010B	Zinc	15.1		0.030	0.99	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW7471A	Mercury	0.021	J	0.0021	0.031	MG/KG
SSJ3B11	TT060911J3B02_PO	11/08/2011	SW8270C	Benzyl alcohol	310	J	16.0	330	UG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Aluminum	13400		3.0	21.4	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Arsenic	4.8		0.22	1.1	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Barium	15.1	J	0.67	21.4	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Beryllium	0.33	J	0.021	0.54	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Boron	1.7	J	0.19	10.7	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Cadmium	0.074	J	0.064	0.54	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Calcium	68.2	J	10.7	535	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Chromium	15.3		0.021	1.1	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Cobalt	2.8	J	0.064	5.4	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Copper	3.4		0.17	2.7	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Iron	13300		2.5	21.4	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Lead	7.7		0.24	1.1	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Magnesium	1640		3.7	535	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Manganese	58.7		0.096	1.6	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Molybdenum	0.65	J	0.064	1.1	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Nickel	7.4		0.16	4.3	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Potassium	407	J	24.6	535	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Selenium	0.71	J	0.34	3.7	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Sodium	21.2	J	5.5	535	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Vanadium	19.6		0.086	5.4	MG/KG
SSJ3B11	TT060911J3B02_PRE	11/01/2011	SW6010B	Zinc	15.8		0.064	2.1	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Aluminum	10600		1.4	10.0	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Arsenic	4.3		0.11	0.50	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Barium	11.2		0.32	10.0	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Beryllium	0.30		0.010	0.25	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Boron	1.3	J	0.090	5.0	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Cadmium	1.4		0.030	0.25	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Calcium	101	J	5.0	250	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Chromium	12.6		0.010	0.50	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Cobalt	2.4	J	0.030	2.5	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Copper	82.5		0.080	1.3	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Iron	11300		1.2	10.0	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Lead	34.5		0.11	0.50	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Magnesium	1430		1.8	250	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Manganese	60.0		0.045	0.75	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Molybdenum	0.53		0.030	0.50	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Nickel	6.2		0.075	2.0	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Potassium	384		11.5	250	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Selenium	1.0	J	0.16	1.8	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Sodium	23.0	J	2.6	250	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Vanadium	16.1		0.040	2.5	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW6010B	Zinc	16.3		0.030	1.0	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW7471A	Mercury	0.025	J	0.0020	0.030	MG/KG
SSJ3B13	TT101811J3B01_PO	11/08/2011	SW8270C	Benzyl alcohol	420		16.0	330	UG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Aluminum	14400		2.9	20.9	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Arsenic	4.8		0.22	1.0	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Barium	13.4	J	0.66	20.9	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.36	J	0.021	0.52	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Boron	1.8	J	0.19	10.5	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Cadmium	0.095	J	0.063	0.52	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Calcium	76.2	J	10.5	524	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Chromium	17.0		0.021	1.0	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Cobalt	3.3	J	0.063	5.2	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Copper	3.9		0.17	2.6	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Iron	13000		2.4	20.9	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Lead	8.1		0.23	1.0	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Magnesium	1850		3.7	524	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Manganese	67.6		0.094	1.6	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.62	J	0.063	1.0	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Nickel	8.9		0.16	4.2	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Potassium	485	J	24.1	524	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Selenium	0.90	J	0.34	3.7	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Sodium	25.6	J	5.3	524	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Vanadium	19.6		0.084	5.2	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW6010B	Zinc	19.8		0.063	2.1	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW7471A	Mercury	0.0057	J	0.0021	0.031	MG/KG
SSJ3B13	TT101811J3B01_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	45.0	J	26.0	410	UG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Aluminum	11200		1.4	9.9	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Arsenic	3.4		0.10	0.50	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Barium	11.0		0.31	9.9	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Beryllium	0.26		0.0099	0.25	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Cadmium	1.9		0.030	0.25	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Calcium	105	J	5.0	249	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Chromium	12.3		0.0099	0.50	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Cobalt	1.8	J	0.030	2.5	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Copper	76.5		0.080	1.2	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Iron	11900		1.1	9.9	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Lead	28.5		0.11	0.50	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Magnesium	1210		1.7	249	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Manganese	49.3		0.045	0.75	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Molybdenum	0.52		0.030	0.50	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Nickel	5.3		0.075	2.0	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Potassium	345		11.4	249	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Selenium	1.1	J	0.16	1.7	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Sodium	21.3	J	2.5	249	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Vanadium	15.8		0.040	2.5	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW6010B	Zinc	15.1		0.030	0.99	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW7471A	Mercury	0.031		0.0021	0.031	MG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW8270C	Benzyl alcohol	430		16.0	320	UG/KG
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW8270C	Diethyl Phthalate	26.0	J	15.0	320	UG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B15	TT102011J3B01_PO	11/08/2011	SW8270C	Phenol	46.0	J	39.0	320	UG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Aluminum	15900		3.1	21.9	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Arsenic	5.6		0.23	1.1	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Barium	13.2	J	0.69	21.9	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.34	J	0.022	0.55	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Boron	1.4	J	0.20	11.0	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Cadmium	0.068	J	0.066	0.55	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Calcium	65.2	J	11.0	548	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Chromium	16.3		0.022	1.1	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Cobalt	2.2	J	0.066	5.5	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Copper	2.4	J	0.18	2.7	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Iron	16700		2.5	21.9	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Lead	8.5		0.24	1.1	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Magnesium	1480		3.8	548	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Manganese	51.9		0.099	1.6	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.80	J	0.066	1.1	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Nickel	6.7		0.16	4.4	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Potassium	341	J	25.2	548	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Selenium	1.6	J	0.35	3.8	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Sodium	21.2	J	5.6	548	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Thallium	0.21	J	0.21	2.7	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Vanadium	21.6		0.088	5.5	MG/KG
SSJ3B15	TT102011J3B01_PRE	11/01/2011	SW6010B	Zinc	16.3		0.066	2.2	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Aluminum	10300		1.4	10.1	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Antimony	0.19	J	0.19	3.0	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Arsenic	4.1		0.11	0.50	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Barium	12.9		0.32	10.1	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Beryllium	0.37		0.010	0.25	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Boron	1.3	J	0.090	5.0	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Cadmium	0.66		0.030	0.25	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Calcium	93.1	J	5.0	251	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Chromium	12.4		0.010	0.50	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Cobalt	2.7		0.030	2.5	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Copper	35.7		0.080	1.3	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Iron	12200		1.2	10.1	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Lead	16.9		0.11	0.50	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Magnesium	1500		1.8	251	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Manganese	59.2		0.045	0.75	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Molybdenum	0.50		0.030	0.50	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Nickel	6.1		0.075	2.0	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Potassium	419		11.6	251	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Selenium	0.80	J	0.16	1.8	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Sodium	27.0	J	2.6	251	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Vanadium	16.6		0.040	2.5	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW6010B	Zinc	38.7		0.030	1.0	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW7471A	Mercury	0.0093	J	0.0022	0.033	MG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW8270C	Benzyl alcohol	650		16.0	330	UG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW8270C	Phenol	52.0	J	40.0	330	UG/KG
SSJ3B17	TT102511J3B01_POA	11/08/2011	SW8330	2,4,6-Trinitrotoluene	107		6.5	97.7	UG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Aluminum	11200		2.8	19.9	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Antimony	0.19	J	0.19	3.0	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Arsenic	3.9		0.10	0.50	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Barium	13.5	J	0.63	19.9	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Beryllium	0.43	J	0.020	0.50	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Boron	1.2	J	0.089	5.0	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Cadmium	0.55		0.030	0.25	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Calcium	95.6	J	9.9	497	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Chromium	11.8		0.0099	0.50	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Cobalt	2.3	J	0.030	2.5	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Copper	24.2		0.080	1.2	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Iron	11800		1.1	9.9	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Lead	14.2		0.11	0.50	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Magnesium	1540		3.5	497	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Manganese	53.8		0.045	0.75	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Molybdenum	0.47	J	0.030	0.50	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Nickel	5.6		0.075	2.0	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Potassium	419	J	22.9	497	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Selenium	0.81	J	0.16	1.7	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Sodium	33.6	J	5.1	497	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Vanadium	16.2		0.040	2.5	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW6010B	Zinc	27.2		0.030	0.99	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW7471A	Mercury	0.016	J	0.0021	0.032	MG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW8270C	Benzyl alcohol	660		16.0	330	UG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW8270C	Phenol	53.0	J	40.0	330	UG/KG
SSJ3B17	TT102511J3B01_POB	11/08/2011	SW8330	2,4,6-Trinitrotoluene	16.5	J	6.4	96.8	UG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Aluminum	11100		2.8	20.0	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Arsenic	4.1		0.10	0.50	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Barium	14.6	J	0.63	20.0	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Beryllium	0.46	J	0.020	0.50	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Boron	1.4	J	0.090	5.0	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Cadmium	0.64		0.030	0.25	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Calcium	101	J	10.0	500	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Chromium	12.1		0.010	0.50	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Cobalt	2.5		0.030	2.5	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Copper	25.2		0.080	1.2	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Iron	12000		1.1	10.0	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Lead	14.8		0.11	0.50	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Magnesium	1670		3.5	500	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Manganese	57.2		0.045	0.75	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Molybdenum	0.47	J	0.030	0.50	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Nickel	5.8		0.075	2.0	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Potassium	480	J	23.0	500	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Selenium	0.59	J	0.16	1.7	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Sodium	37.4	J	5.1	500	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Vanadium	16.8		0.040	2.5	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW6010B	Zinc	30.1		0.030	1.0	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW7471A	Mercury	0.020	J	0.0021	0.032	MG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW8270C	Benzyl alcohol	690		16.0	330	UG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW8270C	Phenol	47.0	J	40.0	330	UG/KG
SSJ3B17	TT102511J3B01_POC	11/08/2011	SW8330	2,4,6-Trinitrotoluene	8.3	J	6.5	98.0	UG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Aluminum	12600		3.0	21.6	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Arsenic	4.5		0.23	1.1	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Barium	10.9	J	0.68	21.6	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.36	J	0.022	0.54	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Boron	1.3	J	0.19	10.8	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Cadmium	0.10	J	0.065	0.54	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Calcium	61.5	J	10.8	541	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Chromium	14.0		0.022	1.1	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Cobalt	2.4	J	0.065	5.4	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Copper	2.3	J	0.17	2.7	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Iron	12600		2.5	21.6	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Lead	6.9		0.24	1.1	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Magnesium	1200		3.8	541	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Manganese	44.3		0.097	1.6	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.66	J	0.065	1.1	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Nickel	6.5		0.16	4.3	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Potassium	360	J	24.9	541	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Selenium	1.3	J	0.35	3.8	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Sodium	25.2	J	5.5	541	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Vanadium	18.1		0.087	5.4	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW6010B	Zinc	12.3		0.065	2.2	MG/KG
SSJ3B17	TT102511J3B01_PRE	11/01/2011	SW7471A	Mercury	0.0042	J	0.0025	0.038	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Aluminum	10600		1.4	10.0	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Antimony	0.24	J	0.19	3.0	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Arsenic	3.4		0.10	0.50	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Barium	9.6	J	0.31	10.0	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Beryllium	0.28		0.010	0.25	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Boron	1.2	J	0.090	5.0	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Cadmium	0.86		0.030	0.25	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Calcium	93.0	J	5.0	250	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Chromium	10.6		0.010	0.50	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Cobalt	1.9	J	0.030	2.5	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Copper	26.2		0.080	1.2	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Iron	9530		1.1	10.0	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Lead	15.2		0.11	0.50	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Magnesium	1040		1.7	250	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Manganese	48.0		0.045	0.75	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Molybdenum	0.59		0.030	0.50	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Nickel	5.1		0.075	2.0	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Potassium	338		11.5	250	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Selenium	0.84	J	0.16	1.7	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Sodium	23.5	J	2.5	250	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Vanadium	15.4		0.040	2.5	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW6010B	Zinc	27.8		0.030	1.0	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW7471A	Mercury	0.019	J	0.0022	0.033	MG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW8270C	Benzyl alcohol	360		16.0	330	UG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW8270C	Diethyl Phthalate	22.0	J	15.0	330	UG/KG
SSJ3B18	TT102611J3B01_POA	11/08/2011	SW8270C	Phenol	41.0	J	40.0	330	UG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Aluminum	10000		1.4	9.9	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Arsenic	3.5		0.10	0.50	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Barium	9.4	J	0.31	9.9	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Beryllium	0.28		0.0099	0.25	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Cadmium	0.90		0.030	0.25	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Calcium	96.4	J	5.0	248	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Chromium	10.2		0.0099	0.50	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Cobalt	1.8	J	0.030	2.5	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Copper	30.4		0.079	1.2	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Iron	9450		1.1	9.9	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Lead	26.2		0.11	0.50	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Magnesium	991		1.7	248	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Manganese	45.0		0.045	0.74	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Molybdenum	0.58		0.030	0.50	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Nickel	5.2		0.074	2.0	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Potassium	327		11.4	248	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Selenium	1.0	J	0.16	1.7	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Sodium	23.2	J	2.5	248	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Vanadium	15.4		0.040	2.5	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW6010B	Zinc	27.1		0.030	0.99	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW7471A	Mercury	0.022	J	0.0021	0.032	MG/KG
SSJ3B18	TT102611J3B01_POB	11/08/2011	SW8270C	Benzyl alcohol	240	J	16.0	330	UG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Aluminum	10400		1.4	10.0	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Antimony	0.25	J	0.19	3.0	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Arsenic	3.4		0.10	0.50	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Barium	9.9	J	0.31	10.0	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Beryllium	0.28		0.010	0.25	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Cadmium	0.68		0.030	0.25	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Calcium	86.2	J	5.0	249	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Chromium	10.7		0.010	0.50	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Cobalt	1.9	J	0.030	2.5	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Copper	51.4		0.080	1.2	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Iron	9600		1.1	10.0	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Lead	14.3		0.11	0.50	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Magnesium	1060		1.7	249	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Manganese	49.4		0.045	0.75	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Molybdenum	0.58		0.030	0.50	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Nickel	5.3		0.075	2.0	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Potassium	334		11.5	249	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Selenium	0.89	J	0.16	1.7	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Sodium	23.7	J	2.5	249	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Vanadium	15.6		0.040	2.5	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW6010B	Zinc	37.8		0.030	1.0	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW7471A	Mercury	0.013	J	0.0022	0.033	MG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW8270C	Benzyl alcohol	230	J	16.0	330	UG/KG
SSJ3B18	TT102611J3B01_POC	11/08/2011	SW8270C	Diethyl Phthalate	16.0	J	15.0	330	UG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Aluminum	11200		2.4	17.0	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Arsenic	3.6		0.18	0.85	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Barium	10.3	J	0.53	17.0	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.29	J	0.017	0.42	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Boron	1.3	J	0.15	8.5	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Cadmium	4.7		0.051	0.42	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Calcium	76.3	J	8.5	424	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Chromium	11.9		0.017	0.85	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Cobalt	2.1	J	0.051	4.2	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Copper	5.8		0.14	2.1	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Iron	9630		2.0	17.0	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Lead	7.2		0.19	0.85	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Magnesium	1270		3.0	424	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Manganese	54.8		0.076	1.3	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.63	J	0.051	0.85	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Nickel	5.8		0.13	3.4	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Potassium	329	J	19.5	424	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Sodium	20.4	J	4.3	424	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Vanadium	16.0		0.068	4.2	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW6010B	Zinc	17.0		0.051	1.7	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW7471A	Mercury	0.0096	J	0.0026	0.039	MG/KG
SSJ3B18	TT102611J3B01_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	35.0	J	26.0	410	UG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Aluminum	10700		1.4	10.0	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Antimony	0.20	J	0.19	3.0	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Arsenic	4.0		0.10	0.50	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Barium	8.6	J	0.31	10.0	MG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17A
J-3 Range Area 6
Barrage Rocket Study Area, Current Conditions - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Beryllium	0.36		0.010	0.25	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Cadmium	1.7		0.030	0.25	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Calcium	84.8	J	5.0	250	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Chromium	11.8		0.010	0.50	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Cobalt	2.7		0.030	2.5	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Copper	51.2		0.080	1.2	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Iron	12000		1.1	10.0	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Lead	22.7		0.11	0.50	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Magnesium	1200		1.7	250	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Manganese	51.5		0.045	0.75	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Molybdenum	0.52		0.030	0.50	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Nickel	5.8		0.075	2.0	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Potassium	343		11.5	250	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Selenium	0.88	J	0.16	1.7	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Sodium	16.6	J	2.5	250	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Vanadium	17.1		0.040	2.5	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW6010B	Zinc	18.4		0.030	1.0	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW7471A	Mercury	0.021	J	0.0021	0.032	MG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW8270C	Benzyl alcohol	290	J	16.0	330	UG/KG
SSJ3B19	TT102711J3B01_PO	11/08/2011	SW8270C	Diethyl Phthalate	19.0	J	15.0	330	UG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Aluminum	13500		2.9	20.8	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Arsenic	5.0		0.22	1.0	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Barium	10.6	J	0.66	20.8	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.45	J	0.021	0.52	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Boron	1.7	J	0.19	10.4	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Cadmium	1.2		0.062	0.52	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Calcium	77.2	J	10.4	520	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Chromium	15.2		0.021	1.0	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Cobalt	3.3	J	0.062	5.2	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Copper	5.1		0.17	2.6	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Iron	14300		2.4	20.8	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Lead	8.0		0.23	1.0	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Magnesium	1660		3.6	520	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Manganese	66.2		0.094	1.6	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.53	J	0.062	1.0	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Nickel	7.5		0.16	4.2	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Potassium	429	J	23.9	520	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Selenium	1.3	J	0.33	3.6	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Sodium	24.4	J	5.3	520	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Vanadium	21.2		0.083	5.2	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW6010B	Zinc	22.0		0.062	2.1	MG/KG
SSJ3B19	TT102711J3B01_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	28.0	J	26.0	410	UG/KG

J = Estimated
NJ = Estimated Results
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3P43005	SSJ3P43005-PE1	6/23/2006	SW8330	2,4,6-TRINITROTOLUENE	3800		10	120	UG/KG
SSJ3P43005	SSJ3P43005-PE2	6/23/2006	SW8330	2,4,6-TRINITROTOLUENE	180		10	120	UG/KG
SSJ3P43005	SSJ3P43005-PE3	6/23/2006	SW8330	2,4,6-TRINITROTOLUENE	140		10	120	UG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	BERYLLIUM	0.19	J	0.016	0.5821	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	CALCIUM	142	J	5.1	582.0586	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	MAGNESIUM	547	J	4.7	582.0586	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	ALUMINUM	7980		2.9	23.2823	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	COPPER	356		1.1	29.1029	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	MANGANESE	39		0.007	1.7462	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	VANADIUM	16.2		0.093	5.8206	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	ZINC	12.5		0.013	2.3282	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	BARIUM	10.2	J	0.36	23.2823	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	IRON	10400		0.88	23.2823	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	COBALT	1.1	J	0.044	5.8206	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	NICKEL	3.2	J	0.007	4.6565	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	LEAD	98		0.16	1.1641	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	CADMIUM	2.6		0.021	0.5821	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	8.8		0.022	1.1641	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	POTASSIUM	312	J	16.1	582.0586	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	MOLYBDENUM	0.51	J	0.024	1.1641	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	SELENIUM	0.34	J	0.17	4.0744	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW6010B	ARSENIC	2.9		0.24	1.1641	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW7471A	MERCURY	0.019	J	0.017	0.04	MG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW8270C	PHENANTHRENE	31	J	24.0964	400	UG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW8270C	ACENAPHTHYLENE	26	J	24.0964	400	UG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW8270C	NAPHTHALENE	48	J	30.1205	400	UG/KG
SSJ3X01	J3X01_PO	8/13/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	31	J	22.8916	400	UG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	BERYLLIUM	0.27	J	0.013	0.469	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	CALCIUM	113	J	4.1	469.0432	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	MAGNESIUM	1500		3.8	469.0432	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	COPPER	2.4		0.089	2.3452	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	MANGANESE	54.1		0.0056	1.4071	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	VANADIUM	18.5		0.075	4.6904	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	ALUMINUM	11500		2.3	18.7617	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	ANTIMONY	0.38	J	0.17	5.6285	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	ZINC	15.4		0.01	1.8762	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	BARIUM	11.5	J	0.29	18.7617	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	IRON	12700		0.71	18.7617	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	COBALT	1.9	J	0.036	4.6904	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	NICKEL	5.3		0.0056	3.7523	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	LEAD	8.3		0.13	0.9381	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	CADMIUM	1.2		0.017	0.469	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	12.7		0.018	0.9381	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	POTASSIUM	379	J	12.9	469.0432	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.51	J	0.02	0.9381	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	SELENIUM	0.74	J	0.14	3.2833	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW6010B	ARSENIC	3.2		0.2	0.9381	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW7471A	MERCURY	0.035	J	0.02	0.0472	MG/KG
SSJ3X01	J3X01_PRE	8/12/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	25	J	23.2482	400	UG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	BERYLLIUM	0.36	J	0.017	0.5906	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	CALCIUM	116	J	5.2	590.6256	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	MAGNESIUM	1950		4.8	590.6256	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	SILVER	0.58	J	0.064	1.1813	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	ALUMINUM	16800		2.9	23.625	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	BORON	2.9	J	0.11	11.8125	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	COPPER	85.7		0.11	2.9531	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	MANGANESE	73.4		0.0071	1.7719	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	VANADIUM	26.8		0.095	5.9063	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	ZINC	23.2		0.013	2.3625	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	BARIUM	15.1	J	0.37	23.625	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	IRON	16900		0.9	23.625	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	COBALT	2.9	J	0.045	5.9063	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	NICKEL	8.1		0.0071	4.725	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	LEAD	47.7		0.17	1.1813	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	CADMIUM	0.4	J	0.021	0.5906	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	19		0.022	1.1813	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	POTASSIUM	623		16.3	590.6256	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	MOLYBDENUM	0.72	J	0.025	1.1813	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	SELENIUM	0.89	J	0.18	4.1344	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6010B	ARSENIC	5.6		0.25	1.1813	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW6850	PERCHLORATE	0.14	J	0.0914	0.98	UG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW7471A	MERCURY	0.03	J	0.018	0.0434	MG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	25	J	23.4568	410	UG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW8330	TETRYL	330		1.0133	13	UG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW8330	4-AMINO-2,6-DINITROTOLUENE	40	J	1.6213	13	UG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW8330	2,4,6-TRINITROTOLUENE	350		0.8411	13	UG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW8330	2-AMINO-4,6-DINITROTOLUENE	42	J	1.216	13	UG/KG
SSJ3X03	J3X03_PO	8/13/2009	SW8330	2,4-DINITROTOLUENE	29		1.3173	13	UG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	BERYLLIUM	0.32	J	0.017	0.5953	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	CALCIUM	155	J	5.2	595.2735	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	MAGNESIUM	1890		4.8	595.2735	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	ALUMINUM	15300		2.9	23.8109	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	BORON	2.7	J	0.11	11.9055	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	COPPER	4.3		0.11	2.9764	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	MANGANESE	76.4		0.0071	1.7858	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	VANADIUM	24.5		0.095	5.9527	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	ZINC	23.3		0.013	2.3811	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	BARIUM	14.7	J	0.37	23.8109	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	IRON	15800		0.9	23.8109	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	COBALT	2.7	J	0.045	5.9527	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	NICKEL	7.8		0.0071	4.7622	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	LEAD	9.3		0.17	1.1905	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	CADMIUM	0.23	J	0.021	0.5953	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	17.4		0.023	1.1905	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	POTASSIUM	609		16.4	595.2735	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.65	J	0.025	1.1905	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	SELENIUM	0.56	J	0.18	4.1669	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW6010B	ARSENIC	5.5		0.25	1.1905	MG/KG
SSJ3X03	J3X03_PRE	8/12/2009	SW7471A	MERCURY	0.037	J	0.019	0.0463	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	BERYLLIUM	0.32	J	0.013	0.3759	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	CALCIUM	156	J	4.1	375.9398	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	MAGNESIUM	1270		3.8	375.9398	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	ALUMINUM	13800		2.3	15.0376	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	BORON	2	J	0.088	7.5188	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	COPPER	1250		8.9	187.9699	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	MANGANESE	50.4		0.0056	1.1278	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	VANADIUM	22.1		0.074	3.7594	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	ANTIMONY	0.24	J	0.17	4.5113	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	ZINC	22.2		0.01	1.5038	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	BARIUM	13.7	J	0.29	15.0376	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	IRON	15300		0.71	15.0376	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	COBALT	1.9	J	0.035	3.7594	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	NICKEL	6.2		0.0056	3.0075	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	LEAD	174		0.13	0.7519	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	CADMIUM	2.6		0.017	0.3759	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	14.9		0.018	0.7519	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	POTASSIUM	450		12.9	375.9398	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	MOLYBDENUM	0.74	J	0.02	0.7519	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	SELENIUM	0.69	J	0.14	2.6316	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6010B	ARSENIC	4.7		0.2	0.7519	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW6850	PERCHLORATE	0.58	J	0.0744	0.98	UG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW7471A	MERCURY	0.035	J	0.019	0.0465	MG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW8270C	2,6-DINITROTOLUENE	200	J	111.4827	2000	UG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW8270C	2,4,6-TRINITROTOLUENE	4100	TI			UG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW8270C	2,4-DINITROTOLUENE	11000		111.4827	2000	UG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW8270C	2-AMINO-4,6-DINITROTOLUENE	7.1	TI			UG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW8330	TETRYL	31000		50.6711	6700	UG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW8330	2,4,6-TRINITROTOLUENE	4400000		420.5705	67000	UG/KG
SSJ3X05	J3X05_PO	8/13/2009	SW8330	2,4-DINITROTOLUENE	15000		65.8725	6700	UG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	BERYLLIUM	0.38	J	0.017	0.6112	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	CALCIUM	97.8	J	5.4	611.2469	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	MAGNESIUM	1610		5	611.2469	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	VANADIUM	23.5		0.098	6.1125	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	ALUMINUM	16200		3	24.4499	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	COPPER	2.7	J	0.12	3.0562	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	MANGANESE	58.4		0.0073	1.8337	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	ZINC	16.8		0.013	2.445	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	BARIUM	14.3	J	0.38	24.4499	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	IRON	16600		0.93	24.4499	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	COBALT	2.3	J	0.046	6.1125	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	NICKEL	7		0.0073	4.89	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	LEAD	8.2		0.17	1.2225	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	SELENIUM	0.72	J	0.18	4.2787	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	18.2		0.023	1.2225	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	POTASSIUM	541	J	16.9	611.2469	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.67	J	0.026	1.2225	MG/KG
SSJ3X05	J3X05_PRE	8/12/2009	SW6010B	ARSENIC	5.3		0.26	1.2225	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	ARSENIC	6.3		0.26	1.2332	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	CADMIUM	1.5		0.022	0.6166	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	19.8		0.023	1.2332	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	POTASSIUM	683		17	616.5988	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	MOLYBDENUM	0.7	J	0.026	1.2332	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	SELENIUM	0.99	J	0.18	4.3162	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	NICKEL	9.4		0.0074	4.9328	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	LEAD	225		0.17	1.2332	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	COBALT	3.3	J	0.047	6.166	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	BARIUM	15.5	J	0.38	24.664	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	IRON	19300		0.94	24.664	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	ZINC	24.7		0.014	2.4664	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	ALUMINUM	16200		3	24.664	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	BORON	3	J	0.12	12.332	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	COPPER	1220		11.7	308.2994	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	MANGANESE	118		0.0074	1.8498	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	VANADIUM	27.9		0.099	6.166	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	BERYLLIUM	0.38	J	0.017	0.6166	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	CALCIUM	134	J	5.4	616.5988	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW6010B	MAGNESIUM	2070		5	616.5988	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW7471A	MERCURY	0.06		0.02	0.0487	MG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW8270C	BENZOIC ACID	7000		1190.7145	3000	UG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW8270C	2-NITROPHENOL	590	J	101.0303	1200	UG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW8270C	PHENOL	7900		79.381	1200	UG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW8270C	4-NITROPHENOL	680	J	79.381	3000	UG/KG
SSJ3X06	J3X06_PO	8/13/2009	SW8330	2,4,6-TRINITROTOLUENE	140		0.83	13	UG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	ARSENIC	6.1		0.26	0.9346	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	CADMIUM	0.95		0.022	0.4673	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	21.1		0.023	0.9346	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	POTASSIUM	749		16.9	467.2897	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.68	J	0.026	0.9346	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	SELENIUM	0.98	J	0.18	3.271	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	NICKEL	9.7		0.0073	3.7383	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	LEAD	10.3		0.17	0.9346	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	COBALT	3.6	J	0.046	4.6729	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	BARIUM	16.6	J	0.38	18.6916	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	IRON	17800		0.93	18.6916	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	ZINC	24.5		0.013	1.8692	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	ALUMINUM	17500		3	18.6916	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	BORON	3.3	J	0.12	9.3458	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	COPPER	5.8		0.12	2.3364	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	MANGANESE	87.3		0.0073	1.4019	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	VANADIUM	27.5		0.098	4.6729	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	BERYLLIUM	0.43	J	0.017	0.4673	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	CALCIUM	183	J	5.4	467.2897	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW6010B	MAGNESIUM	2280		5	467.2897	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW7471A	MERCURY	0.032	J	0.021	0.0507	MG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW8330	2,4,6-TRINITROTOLUENE	2800		2.6102	41	UG/KG
SSJ3X06	J3X06_PRE	8/12/2009	SW8330	TETRYL	44		1.0483	14	UG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	BERYLLIUM	0.35	J	0.017	0.595	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	CALCIUM	153	J	5.2	595.0114	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	MAGNESIUM	939		4.8	595.0114	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	ALUMINUM	15500		2.9	23.8005	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	BORON	3	J	0.11	11.9002	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	COPPER	5.9		0.11	2.9751	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	MANGANESE	42		0.0071	1.785	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	VANADIUM	22.8		0.095	5.9501	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	ZINC	12		0.013	2.38	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	BARIUM	12.2	J	0.37	23.8005	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	IRON	15400		0.9	23.8005	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	COBALT	1.9	J	0.045	5.9501	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	NICKEL	6.1		0.0071	4.7601	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	LEAD	10.5		0.17	1.19	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	CADMIUM	0.6		0.021	0.595	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	15		0.023	1.19	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	POTASSIUM	456	J	16.4	595.0114	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	MOLYBDENUM	0.88	J	0.025	1.19	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	SELENIUM	1.1	J	0.18	4.1651	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6010B	ARSENIC	4.9		0.25	1.19	MG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW6850	PERCHLORATE	0.52	J	0.0906	0.96	UG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW7471A	MERCURY	0.027	J	0.019	0.045	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X07	J3X07_PO	8/13/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	180	J	23.4568	410	UG/KG
SSJ3X07	J3X07_PO	8/13/2009	SW8330	2,4,6-TRINITROTOLUENE	190		0.8822	14	UG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	BERYLLIUM	0.37	J	0.016	0.5661	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	CALCIUM	137	J	5	566.0591	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	MAGNESIUM	911		4.6	566.0591	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	ALUMINUM	15700		2.8	22.6424	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	COPPER	12.8		0.11	2.8303	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	MANGANESE	43.5		0.0068	1.6982	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	VANADIUM	23.1		0.091	5.6606	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	ZINC	12.3		0.013	2.2642	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	BARIUM	12.6	J	0.35	22.6424	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	IRON	15500		0.86	22.6424	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	COBALT	1.8	J	0.043	5.6606	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	NICKEL	5.9		0.0068	4.5285	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	LEAD	13		0.16	1.1321	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	MOLYBDENUM	0.86	J	0.024	1.1321	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	SELENIUM	1	J	0.17	3.9624	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	CADMIUM	0.94		0.02	0.5661	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	CHROMIUM, TOTAL	15.2		0.021	1.1321	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	POTASSIUM	470	J	15.6	566.0591	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6010B	ARSENIC	4.7		0.24	1.1321	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW6850	PERCHLORATE	0.29	J	0.0738	0.98	UG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW7471A	MERCURY	0.036	J	0.018	0.044	MG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	360	J	23.75	410	UG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW8330	4-AMINO-2,6-DINITROTOLUENE	19	J	1.6106	13	UG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW8330	2,4,6-TRINITROTOLUENE	220		0.8355	13	UG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW8330	2-AMINO-4,6-DINITROTOLUENE	15	J	1.2079	13	UG/KG
SSJ3X07	J3X07_PO_D	8/13/2009	SW8330	2,4-DINITROTOLUENE	22		1.3086	13	UG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	BERYLLIUM	0.23	J	0.017	0.5981	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	CALCIUM	214	J	5.3	598.0647	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	MAGNESIUM	647		4.9	598.0647	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	ALUMINUM	9540		2.9	23.9226	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	BORON	3.7	J	0.11	11.9613	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	COPPER	4.8		0.11	2.9903	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	MANGANESE	33.2		0.0072	1.7942	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	VANADIUM	23.2		0.096	5.9806	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	ZINC	9.9		0.013	2.3923	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	BARIUM	11.8	J	0.37	23.9226	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	IRON	14400		0.91	23.9226	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	COBALT	1	J	0.045	5.9806	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	NICKEL	3	J	0.0072	4.7845	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	LEAD	9.8		0.17	1.1961	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	CADMIUM	1.2		0.021	0.5981	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	9.6		0.023	1.1961	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	POTASSIUM	389	J	16.5	598.0647	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.83	J	0.025	1.1961	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	SELENIUM	0.6	J	0.18	4.1865	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW6010B	ARSENIC	4.7		0.25	1.1961	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW7471A	MERCURY	0.041	J	0.02	0.0474	MG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	72	J	24.3506	420	UG/KG
SSJ3X07	J3X07_PRE	8/12/2009	SW8330	2,4,6-TRINITROTOLUENE	30		0.8582	14	UG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	ARSENIC	4.5		0.23	1.0996	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	CADMIUM	8.4		0.02	0.5498	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	12.7		0.021	1.0996	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	POTASSIUM	374	J	15.2	549.7889	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	MOLYBDENUM	1.3		0.023	1.0996	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	NICKEL	4	J	0.0066	4.3983	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	LEAD	295		0.15	1.0996	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	COBALT	1.1	J	0.042	5.4979	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	BARIUM	11.8	J	0.34	21.9916	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	IRON	11600		0.84	21.9916	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	ZINC	30		0.012	2.1992	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	MANGANESE	39.9		0.0066	1.6494	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	VANADIUM	17.2		0.088	5.4979	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	ALUMINUM	11400		2.7	21.9916	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	COPPER	954		10.4	274.8944	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	BERYLLIUM	0.23	J	0.015	0.5498	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	CALCIUM	270	J	4.8	549.7889	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW6010B	MAGNESIUM	827		4.5	549.7889	MG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW8270C	NAPHTHALENE	43	J	30.4883	400	UG/KG
SSJ3X10	J3X10_PO	8/13/2009	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	92		1.3636	14	UG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	ARSENIC	3.9		0.23	1.0845	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	CADMIUM	8.1		0.019	0.5423	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	11.3		0.021	1.0845	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	POTASSIUM	388	J	15	542.2523	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	MOLYBDENUM	1.2		0.023	1.0845	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	NICKEL	3.8	J	0.0065	4.338	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	LEAD	7.2		0.15	1.0845	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	COBALT	1.2	J	0.041	5.4225	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	BARIUM	10.8	J	0.34	21.6901	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	IRON	10400		0.82	21.6901	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	ZINC	9.2		0.012	2.169	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	ALUMINUM	10600		2.7	21.6901	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	COPPER	1.8	J	0.1	2.7113	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	MANGANESE	38.6		0.0065	1.6268	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	VANADIUM	17.2		0.087	5.4225	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	BERYLLIUM	0.17	J	0.015	0.5423	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	CALCIUM	93.9	J	4.8	542.2523	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X10	J3X10_PRE	8/12/2009	SW6010B	MAGNESIUM	971		4.4	542.2523	MG/KG
SSJ3X10	J3X10_PRE	8/12/2009	SW7471A	MERCURY	0.042	J	0.02	0.0474	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	MAGNESIUM	1930		4.9	597.4786	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	BERYLLIUM	0.35	J	0.017	0.5975	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	CALCIUM	261	J	5.3	597.4786	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	ALUMINUM	15200		2.9	23.8991	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	BORON	2.3	J	0.11	11.9496	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	COPPER	441		1.1	29.8739	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	MANGANESE	78.6		0.0072	1.7924	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	VANADIUM	23.1		0.096	5.9748	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	ZINC	33.4		0.013	2.3899	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	BARIUM	15.9	J	0.37	23.8991	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	IRON	18300		0.91	23.8991	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	COBALT	3.1	J	0.045	5.9748	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	NICKEL	7.8		0.0072	4.7798	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	LEAD	167		0.17	1.195	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	POTASSIUM	585	J	16.5	597.4786	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	MOLYBDENUM	0.51	J	0.025	1.195	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	CADMIUM	11.5		0.021	0.5975	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	18.2		0.023	1.195	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW6010B	ARSENIC	4.8		0.25	1.195	MG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW8270C	NAPHTHALENE	44	J	31.2651	400	UG/KG
SSJ3X11	J3X11_PO	8/13/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	25	J	23.7615	400	UG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	MAGNESIUM	2300		3.9	477.081	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	BERYLLIUM	0.46	J	0.013	0.4771	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	CALCIUM	98.7	J	4.2	477.081	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	ALUMINUM	17800		2.3	19.0832	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	BORON	2.5	J	0.09	9.5416	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	COPPER	4.3		0.091	2.3854	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	MANGANESE	85		0.0057	1.4312	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	VANADIUM	26.2		0.076	4.7708	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	ZINC	19.9		0.011	1.9083	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	BARIUM	15.9	J	0.3	19.0832	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	IRON	19100		0.73	19.0832	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	COBALT	3.6	J	0.036	4.7708	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	NICKEL	8.8		0.0057	3.8166	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	LEAD	9.1		0.13	0.9542	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	CADMIUM	3.3		0.017	0.4771	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	20.3		0.018	0.9542	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	POTASSIUM	646		13.2	477.081	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.55	J	0.02	0.9542	MG/KG
SSJ3X11	J3X11_PRE	8/12/2009	SW6010B	ARSENIC	5.3		0.2	0.9542	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	ARSENIC	4.7		0.22	1.058	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	CADMIUM	16.9		0.019	0.529	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	18.2		0.02	1.058	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	POTASSIUM	592		14.6	528.9998	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	MOLYBDENUM	0.55	J	0.022	1.058	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	NICKEL	8.3		0.0063	4.232	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	LEAD	817		1.5	10.58	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	COBALT	3.4	J	0.04	5.29	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	BARIUM	22.3		0.33	21.16	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	IRON	19000		0.8	21.16	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	ZINC	67.1		0.012	2.116	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	ALUMINUM	13100		2.6	21.16	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	BORON	2.5	J	0.1	10.58	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	COPPER	2430		10.1	264.4999	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	MANGANESE	98.7		0.0063	1.587	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	VANADIUM	21.3		0.085	5.29	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	BERYLLIUM	0.36	J	0.015	0.529	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	CALCIUM	1170		4.7	528.9998	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW6010B	MAGNESIUM	2000		4.3	528.9998	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW7471A	MERCURY	0.036	J	0.016	0.0394	MG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW8270C	2-METHYLPHENOL (o-CRESOL)	28	J	27.556	410	UG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW8270C	4-METHYLPHENOL (p-CRESOL)	150	J	18.7882	410	UG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW8270C	PHENOL	210	J	27.556	410	UG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW8270C	NAPHTHALENE	63	J	31.3137	410	UG/KG
SSJ3X12	J3X12_PO	8/13/2009	SW8270C	PHENANTHRENE	32	J	25.0509	410	UG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	ARSENIC	6.4		0.25	1.1732	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	CADMIUM	10.9		0.021	0.5866	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	20.3		0.022	1.1732	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	POTASSIUM	626		16.2	586.5928	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.69	J	0.025	1.1732	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	NICKEL	9.1		0.007	4.6927	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	LEAD	10.4		0.16	1.1732	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	COBALT	3.6	J	0.045	5.8659	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	BARIUM	15.4	J	0.36	23.4637	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	IRON	18600		0.89	23.4637	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	ZINC	19.7		0.013	2.3464	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	ALUMINUM	16700		2.9	23.4637	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	BORON	2.6	J	0.11	11.7319	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	COPPER	4.7		0.11	2.933	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	MANGANESE	81.5		0.007	1.7598	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	VANADIUM	26.7		0.094	5.8659	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	BERYLLIUM	0.43	J	0.016	0.5866	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	CALCIUM	136	J	5.2	586.5928	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW6010B	MAGNESIUM	2160		4.8	586.5928	MG/KG
SSJ3X12	J3X12_PRE	8/12/2009	SW7471A	MERCURY	0.048		0.019	0.0451	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	BERYLLIUM	0.37	J	0.012	0.4335	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	CALCIUM	240	J	3.8	433.5461	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	MAGNESIUM	1860		3.5	433.5461	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	ALUMINUM	10600		2.1	17.3418	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	BORON	2.2	J	0.082	8.6709	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	COPPER	718		0.82	21.6773	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	MANGANESE	104		0.0052	1.3006	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	VANADIUM	18.5		0.069	4.3355	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	ZINC	32.4		0.0095	1.7342	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	BARIUM	17.7		0.27	17.3418	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	IRON	19500		0.66	17.3418	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	COBALT	3.1	J	0.033	4.3355	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	NICKEL	8.1		0.0052	3.4684	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	LEAD	232		0.12	0.8671	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	CADMIUM	11.6		0.016	0.4335	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	19.9		0.017	0.8671	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	POTASSIUM	585		12	433.5461	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	MOLYBDENUM	0.38	J	0.018	0.8671	MG/KG
SSJ3X13	J3X13_PO	8/13/2009	SW6010B	ARSENIC	4		0.18	0.8671	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	BERYLLIUM	0.4	J	0.015	0.5226	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	CALCIUM	110	J	4.6	522.5971	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	MAGNESIUM	1880		4.3	522.5971	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	ALUMINUM	12300		2.6	20.9039	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	BORON	2.3	J	0.098	10.4519	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	COPPER	3		0.099	2.613	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	MANGANESE	68.8		0.0063	1.5678	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	VANADIUM	20.3		0.084	5.226	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	ZINC	21.3		0.011	2.0904	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	BARIUM	14.4	J	0.32	20.9039	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	IRON	12800		0.79	20.9039	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	COBALT	2.9	J	0.04	5.226	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	NICKEL	7.1		0.0063	4.1808	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	LEAD	7.4		0.15	1.0452	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	CADMIUM	13.2		0.019	0.5226	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	15.4		0.02	1.0452	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	POTASSIUM	594		14.4	522.5971	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.4	J	0.022	1.0452	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW6010B	ARSENIC	3.9		0.22	1.0452	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW7471A	MERCURY	0.025	J	0.02	0.0481	MG/KG
SSJ3X13	J3X13_PRE	8/12/2009	SW8270C	PHENOL	41	J	27.3632	410	UG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	ARSENIC	4.1		0.21	0.8065	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	CADMIUM	15.5	J	0.018	0.4032	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	CHROMIUM, TOTAL	14.5		0.019	0.8065	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	POTASSIUM	572		13.9	403.2258	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	MOLYBDENUM	0.5	J	0.021	0.8065	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	NICKEL	7.3		0.006	3.2258	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	LEAD	108		0.14	0.8065	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	COBALT	2.5	J	0.038	4.0323	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	BARIUM	14.8	J	0.31	16.129	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	IRON	13200		0.77	16.129	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	ZINC	24.1		0.011	1.6129	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	ALUMINUM	11800		2.5	16.129	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	BORON	2.1	J	0.095	8.0645	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	COPPER	169		0.96	20.1613	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	MANGANESE	68.3	J	0.006	1.2097	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	VANADIUM	19.2		0.081	4.0323	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	BERYLLIUM	0.31	J	0.014	0.4032	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	CALCIUM	163	J	4.4	403.2258	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW6010B	MAGNESIUM	1740		4.1	403.2258	MG/KG
SSJ3X14	J3X14_PO	8/13/2009	SW7471A	MERCURY	0.024	J	0.016	0.0375	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	ARSENIC	4		0.21	1.0003	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	CADMIUM	9.6		0.018	0.5002	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	CHROMIUM, TOTAL	15.2		0.019	1.0003	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	POTASSIUM	589		13.8	500.1601	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	MOLYBDENUM	0.44	J	0.021	1.0003	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	NICKEL	6.6		0.006	4.0013	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	LEAD	7.8		0.14	1.0003	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	COBALT	2.6	J	0.038	5.0016	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	BARIUM	16.4	J	0.31	20.0064	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	IRON	13300		0.76	20.0064	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	ZINC	20.1		0.011	2.0006	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	ALUMINUM	12400		2.5	20.0064	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	BORON	2	J	0.094	10.0032	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	COPPER	4		0.095	2.5008	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	MANGANESE	73.9		0.006	1.5005	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	VANADIUM	19.6		0.08	5.0016	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	BERYLLIUM	0.31	J	0.014	0.5002	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	CALCIUM	152	J	4.4	500.1601	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW6010B	MAGNESIUM	1710		4.1	500.1601	MG/KG
SSJ3X14	J3X14_PRE	8/12/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	26	J	24.0908	410	UG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	ARSENIC	5.3		0.23	1.1132	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	CADMIUM	3.3		0.02	0.5566	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	19		0.021	1.1132	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	POTASSIUM	517	J	15.4	556.5945	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	MOLYBDENUM	0.68	J	0.023	1.1132	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	SELENIUM	0.35	J	0.17	3.8962	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	NICKEL	7.6		0.0067	4.4528	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	LEAD	15.2		0.16	1.1132	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	COBALT	2.8	J	0.042	5.5659	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	BARIUM	16.2	J	0.35	22.2638	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	IRON	16300		0.85	22.2638	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	ZINC	20.9		0.012	2.2264	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	ALUMINUM	16700		2.7	22.2638	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	BORON	2	J	0.1	11.1319	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	COPPER	13.5		0.11	2.783	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	MANGANESE	65.8		0.0067	1.6698	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	VANADIUM	24.9		0.089	5.5659	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	CALCIUM	119	J	4.9	556.5945	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	MAGNESIUM	1830		4.5	556.5945	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW6010B	BERYLLIUM	0.24	J	0.016	0.5566	MG/KG
SSJ3X16	J3X16_PO	9/4/2009	SW7471A	MERCURY	0.038	J	0.019	0.0448	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	ARSENIC	5.3		0.23	1.0741	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	CADMIUM	9.4		0.019	0.537	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	18.8		0.02	1.0741	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	POTASSIUM	583		14.8	537.0454	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.61	J	0.023	1.0741	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	SELENIUM	0.5	J	0.16	3.7593	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	NICKEL	8.2		0.0064	4.2964	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	LEAD	8.8		0.15	1.0741	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	COBALT	3.3	J	0.041	5.3705	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	BARIUM	18.8	J	0.33	21.4818	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	IRON	16100		0.82	21.4818	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	ANTIMONY	0.39	J	0.19	6.4445	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	ZINC	22.8		0.012	2.1482	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	COPPER	4.6		0.1	2.6852	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	MANGANESE	82		0.0064	1.6111	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	VANADIUM	24		0.086	5.3705	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	ALUMINUM	14800		2.6	21.4818	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	BERYLLIUM	0.2	J	0.015	0.537	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	CALCIUM	131	J	4.7	537.0454	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW6010B	MAGNESIUM	2130		4.4	537.0454	MG/KG
SSJ3X16	J3X16_PRE	9/1/2009	SW7471A	MERCURY	0.025	J	0.021	0.0507	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	BERYLLIUM	0.26	J	0.015	0.4348	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	CALCIUM	111	J	4.8	434.7826	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	MAGNESIUM	1650		4.4	434.7826	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	MANGANESE	84.1		0.0065	1.3043	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	VANADIUM	23.3		0.087	4.3478	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	ALUMINUM	15500		2.7	17.3913	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	BORON	2.3	J	0.1	8.6957	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	COPPER	26.2		0.1	2.1739	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	ZINC	19.8		0.012	1.7391	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	BARIUM	15.7	J	0.34	17.3913	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	IRON	17700		0.83	17.3913	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	COBALT	3	J	0.041	4.3478	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	LEAD	18.1		0.15	0.8696	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	NICKEL	6.4		0.0065	3.4783	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	CADMIUM	4		0.019	0.4348	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	18.7		0.021	0.8696	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	POTASSIUM	499		15	434.7826	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	MOLYBDENUM	0.73	J	0.023	0.8696	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	SELENIUM	1.9	J	0.16	3.0435	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW6010B	ARSENIC	5.2		0.23	0.8696	MG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW8270C	PHENANTHRENE	43	J	19.8658	420	UG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW8270C	ACENAPHTHYLENE	21	J	19.8658	420	UG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW8270C	NAPHTHALENE	68	J	24.8322	420	UG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW8270C	2,4,6-TRINITROTOLUENE	460	TI			UG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	110	J	18.8725	420	UG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW8330	2,4,6-TRINITROTOLUENE	1600		1.66	27	UG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW8330	4-AMINO-2,6-DINITROTOLUENE	98	J	1.6	13	UG/KG
SSJ3X17	J3X17_PO	9/4/2009	SW8330	2-AMINO-4,6-DINITROTOLUENE	84		1.2	13	UG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	BERYLLIUM	0.27	J	0.014	0.3968	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	CALCIUM	67.1	J	4.3	396.8254	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	MAGNESIUM	1600		4	396.8254	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	ALUMINUM	15100		2.4	15.873	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	BORON	1.5	J	0.092	7.9365	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	COPPER	3.2		0.093	1.9841	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	MANGANESE	71.1		0.0059	1.1905	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	VANADIUM	21.8		0.079	3.9683	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	ZINC	15		0.011	1.5873	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	BARIUM	13.3	J	0.3	15.873	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	IRON	15500		0.75	15.873	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	COBALT	2.7	J	0.037	3.9683	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	NICKEL	6.8		0.0059	3.1746	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	LEAD	8.3		0.14	0.7937	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	CHROMIUM, TOTAL	15.7		0.019	0.7937	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	POTASSIUM	455		13.6	396.8254	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	MOLYBDENUM	0.6	J	0.021	0.7937	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	SELENIUM	0.19	J	0.15	2.7778	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW6010B	ARSENIC	5.1		0.21	0.7937	MG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW8270C	NAPHTHALENE	39	J	24.8322	410	UG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW8270C	2,4,6-TRINITROTOLUENE	3300	TI			UG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	21	J	18.8725	410	UG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW8330	4-AMINO-2,6-DINITROTOLUENE	190		1.6	13	UG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW8330	2,4,6-TRINITROTOLUENE	16000		16.6	270	UG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW8330	2-AMINO-4,6-DINITROTOLUENE	160	J	1.2	13	UG/KG
SSJ3X17	J3X17_PO_D	9/4/2009	SW8330	2,4-DINITROTOLUENE	26		1.3	13	UG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	BERYLLIUM	0.24	J	0.017	0.6092	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	CALCIUM	148	J	5.4	609.1841	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	MAGNESIUM	1710		5	609.1841	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	VANADIUM	21.4		0.098	6.0918	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	ALUMINUM	12800		3	24.3674	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	COPPER	4		0.12	3.0459	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	MANGANESE	79.9		0.0073	1.8276	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	ANTIMONY	0.34	J	0.22	7.3102	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	ZINC	17.4		0.013	2.4367	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	BARIUM	15.6	J	0.38	24.3674	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	IRON	14800		0.93	24.3674	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	COBALT	3.2	J	0.046	6.0918	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	NICKEL	7		0.0073	4.8735	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	LEAD	8.7		0.17	1.2184	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	CADMIUM	18.1		0.022	0.6092	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	15.4		0.023	1.2184	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	POTASSIUM	530	J	16.8	609.1841	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.66	J	0.026	1.2184	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW6010B	ARSENIC	4.8		0.26	1.2184	MG/KG
SSJ3X17	J3X17_PRE	9/1/2009	SW7471A	MERCURY	0.029	J	0.018	0.0443	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	ARSENIC	4.9		0.27	1.2719	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	CADMIUM	10.9		0.023	0.6359	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	16.3		0.024	1.2719	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	POTASSIUM	430	J	17.6	635.9381	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	MOLYBDENUM	0.72	J	0.027	1.2719	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	SELENIUM	0.84	J	0.19	4.4516	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	NICKEL	7		0.0076	5.0875	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	LEAD	26.7		0.18	1.2719	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	COBALT	2.3	J	0.048	6.3594	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	BARIUM	15.8	J	0.39	25.4375	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	IRON	16600		0.97	25.4375	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	ZINC	18.2		0.014	2.5438	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	COPPER	24.3		0.12	3.1797	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	MANGANESE	60.3		0.0076	1.9078	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	VANADIUM	23.2		0.1	6.3594	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	ALUMINUM	14400		3.1	25.4375	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	BORON	1.4	J	0.12	12.7188	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	MAGNESIUM	1400		5.2	635.9381	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	BERYLLIUM	0.24	J	0.018	0.6359	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW6010B	CALCIUM	185	J	5.6	635.9381	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW7471A	MERCURY	0.029	J	0.021	0.0496	MG/KG
SSJ3X18	J3X18_PO	9/4/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	970		24.9636	440	UG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	ARSENIC	5.5		0.26	1.2527	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	CADMIUM	1.8		0.022	0.6264	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	17		0.024	1.2527	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	POTASSIUM	579	J	17.3	626.3702	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.63	J	0.026	1.2527	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	SELENIUM	0.56	J	0.19	4.3846	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	NICKEL	8.2		0.0075	5.011	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	LEAD	8.1		0.18	1.2527	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	COBALT	3.4	J	0.048	6.2637	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	BARIUM	15	J	0.39	25.0548	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	IRON	15300		0.95	25.0548	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	ANTIMONY	0.27	J	0.23	7.5164	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	ZINC	18.2		0.014	2.5055	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	MANGANESE	88.4		0.0075	1.8791	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	VANADIUM	22.6		0.1	6.2637	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	ALUMINUM	14100		3.1	25.0548	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	COPPER	4.9		0.12	3.1319	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	BERYLLIUM	0.26	J	0.018	0.6264	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	CALCIUM	103	J	5.5	626.3702	MG/KG
SSJ3X18	J3X18_PRE	9/1/2009	SW6010B	MAGNESIUM	2010		5.1	626.3702	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	ARSENIC	5.4		0.24	0.9174	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	CADMIUM	1.2		0.021	0.4587	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	18.5		0.022	0.9174	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	POTASSIUM	591		15.9	458.7156	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	MOLYBDENUM	0.6	J	0.024	0.9174	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	SELENIUM	0.54	J	0.17	3.211	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	NICKEL	8.1		0.0069	3.6697	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	LEAD	19.3		0.16	0.9174	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	COBALT	2.8	J	0.044	4.5872	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	BARIUM	16.2	J	0.36	18.3486	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	IRON	16800		0.88	18.3486	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	ZINC	22.5		0.013	1.8349	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	COPPER	28.6	J	0.11	2.2936	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	MANGANESE	73.1		0.0069	1.3761	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	VANADIUM	25.3		0.092	4.5872	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	ALUMINUM	16400		2.8	18.3486	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	BORON	2.1	J	0.11	9.1743	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	BERYLLIUM	0.3	J	0.016	0.4587	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	CALCIUM	129	J	5.1	458.7156	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW6010B	MAGNESIUM	2030		4.7	458.7156	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW7471A	MERCURY	0.033	J	0.017	0.0407	MG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	33	J	18.8725	420	UG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW8270C	2,4,6-TRINITROTOLUENE	870	TI			UG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW8270C	NAPHTHALENE	37	J	24.8322	420	UG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW8270C	PHENANTHRENE	21	J	19.8658	420	UG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW8330	2-AMINO-4,6-DINITROTOLUENE	97		1.2	13	UG/KG
SSJ3X20	J3X20_PO	9/4/2009	SW8330	2,4,6-TRINITROTOLUENE	4000		4.15	67	UG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X20	J3X20_PO	9/4/2009	SW8330	4-AMINO-2,6-DINITROTOLUENE	110		1.6	13	UG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	ARSENIC	5.2		0.24	1.1439	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	CADMIUM	0.98		0.021	0.572	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	CHROMIUM, TOTAL	17.7		0.022	1.1439	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	POTASSIUM	599		15.8	571.9646	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	MOLYBDENUM	0.64	J	0.024	1.1439	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	NICKEL	7.7		0.0069	4.5757	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	LEAD	13.6		0.16	1.1439	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	COBALT	2.9	J	0.043	5.7196	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	IRON	16600		0.87	22.8786	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	BARIUM	15.9	J	0.35	22.8786	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	ZINC	19.8		0.013	2.2879	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	COPPER	13.7		0.11	2.8598	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	ALUMINUM	15400		2.8	22.8786	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	BORON	2.1	J	0.11	11.4393	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	MANGANESE	72.1		0.0069	1.7159	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	VANADIUM	24.6		0.091	5.7196	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	MAGNESIUM	2080		4.7	571.9646	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	BERYLLIUM	0.31	J	0.016	0.572	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW6010B	CALCIUM	97.7	J	5	571.9646	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW7471A	MERCURY	0.024	J	0.016	0.0384	MG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW8270C	2,4,6-TRINITROTOLUENE	1700	TI			UG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW8330	4-AMINO-2,6-DINITROTOLUENE	19		1.6	13	UG/KG
SSJ3X20	J3X20_PO_D	9/4/2009	SW8330	2,4,6-TRINITROTOLUENE	1200		1.66	27	UG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	ARSENIC	6.4		0.23	1.0965	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	SELENIUM	0.33	J	0.16	3.8377	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	CADMIUM	2.7		0.02	0.5482	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	18.2		0.021	1.0965	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	POTASSIUM	742		15.1	548.2456	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.6	J	0.023	1.0965	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	NICKEL	8.7		0.0066	4.386	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	LEAD	9.7		0.15	1.0965	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	COBALT	3.7	J	0.042	5.4825	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	BARIUM	20.5	J	0.34	21.9298	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	IRON	17600		0.83	21.9298	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	ANTIMONY	0.42	J	0.2	6.5789	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	ZINC	24.7		0.012	2.193	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	ALUMINUM	13300		2.7	21.9298	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	BORON	3	J	0.1	10.9649	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	VANADIUM	24.2		0.088	5.4825	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	COPPER	6.6		0.1	2.7412	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	MANGANESE	99.1		0.0066	1.6447	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	BERYLLIUM	0.32	J	0.015	0.5482	MG/KG
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	CALCIUM	136	J	4.8	548.2456	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X20	J3X20_PRE	9/1/2009	SW6010B	MAGNESIUM	2470		4.5	548.2456	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	BERYLLIUM	0.27	J	0.014	0.4984	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	CALCIUM	204	J	4.4	498.42	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	MAGNESIUM	1640		4.1	498.42	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	COPPER	297		0.095	2.4921	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	MANGANESE	81.8		0.006	1.4953	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	VANADIUM	17.4		0.08	4.9842	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	ALUMINUM	11300		2.5	19.9368	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	BORON	1.4	J	0.094	9.9684	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	ANTIMONY	0.24	J	0.18	5.981	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	ZINC	21		0.011	1.9937	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	IRON	15900		0.76	19.9368	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	BARIUM	15.3	J	0.31	19.9368	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	COBALT	3.1	J	0.038	4.9842	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	NICKEL	7		0.006	3.9874	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	LEAD	99.1		0.14	0.9968	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	MOLYBDENUM	0.58	J	0.021	0.9968	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	CADMIUM	14.8		0.018	0.4984	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	25.8		0.019	0.9968	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	POTASSIUM	467	J	13.8	498.42	MG/KG
SSJ3X23	J3X23_PO	9/4/2009	SW6010B	ARSENIC	4.5		0.21	0.9968	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	MAGNESIUM	1170		3.8	464.8179	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	BERYLLIUM	0.23	J	0.013	0.4648	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	CALCIUM	93.4	J	4.1	464.8179	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	ALUMINUM	8260		2.3	18.5927	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	COPPER	5		0.088	2.3241	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	MANGANESE	77.7		0.0056	1.3945	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	VANADIUM	15.8		0.074	4.6482	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	ZINC	15.9		0.01	1.8593	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	ANTIMONY	0.5	J	0.17	5.5778	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	IRON	12100		0.71	18.5927	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	BARIUM	13.9	J	0.29	18.5927	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	COBALT	2.8	J	0.035	4.6482	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	NICKEL	5.5		0.0056	3.7185	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	LEAD	6.5		0.13	0.9296	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	POTASSIUM	389	J	12.8	464.8179	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.53	J	0.019	0.9296	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	CADMIUM	7.4		0.017	0.4648	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	10.6		0.018	0.9296	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW6010B	ARSENIC	4.2		0.2	0.9296	MG/KG
SSJ3X23	J3X23_PRE	9/1/2009	SW8270C	BENZYL BUTYL PHTHALATE	35	J	25.802	390	UG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	ARSENIC	6.6		0.25	1.1927	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	CADMIUM	8.3		0.021	0.5963	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	CHROMIUM, TOTAL	22.3		0.023	1.1927	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	POTASSIUM	545	J	16.5	596.3314	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	MOLYBDENUM	1	J	0.025	1.1927	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	NICKEL	8.3		0.0072	4.7707	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	LEAD	115		0.17	1.1927	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	COBALT	3.4	J	0.045	5.9633	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	BARIUM	23.8	J	0.37	23.8533	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	IRON	22900		0.91	23.8533	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	ANTIMONY	0.23	J	0.21	7.156	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	ZINC	33.9		0.013	2.3853	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	ALUMINUM	14900		2.9	23.8533	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	BORON	1.9	J	0.11	11.9266	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	COPPER	368		0.11	2.9817	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	MANGANESE	105		0.0072	1.789	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	VANADIUM	23.6		0.095	5.9633	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	BERYLLIUM	0.28	J	0.017	0.5963	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	CALCIUM	173	J	5.2	596.3314	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW6010B	MAGNESIUM	1720		4.9	596.3314	MG/KG
SSJ3X24	J3X24_PO	9/4/2009	SW7471A	MERCURY	0.024	J	0.019	0.046	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	ARSENIC	6.1		0.2	0.9341	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	CADMIUM	24.4		0.017	0.467	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	CHROMIUM, TOTAL	19.3		0.018	0.9341	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	POTASSIUM	649		12.9	467.0496	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	MOLYBDENUM	0.72	J	0.02	0.9341	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	SELENIUM	0.22	J	0.14	3.2693	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	NICKEL	8.1		0.0056	3.7364	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	LEAD	8.4		0.13	0.9341	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	COBALT	3.8	J	0.035	4.6705	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	BARIUM	18	J	0.29	18.682	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	IRON	21800		0.71	18.682	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	ANTIMONY	0.37	J	0.17	5.6046	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	ZINC	21.4		0.01	1.8682	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	BORON	3.1	J	0.088	9.341	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	COPPER	5.4		0.089	2.3352	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	MANGANESE	94.4		0.0056	1.4011	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	VANADIUM	24.3		0.075	4.6705	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	ALUMINUM	14600		2.3	18.682	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	BERYLLIUM	0.29	J	0.013	0.467	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	CALCIUM	208	J	4.1	467.0496	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW6010B	MAGNESIUM	2090		3.8	467.0496	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW7471A	MERCURY	0.026	J	0.017	0.0398	MG/KG
SSJ3X24	J3X24_PRE	9/1/2009	SW8270C	BENZYL BUTYL PHTHALATE	29	J	27.6506	420	UG/KG
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	ALUMINUM	19200		3.8	23.1441	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	ANTIMONY	1.2	J	0.39	6.9432	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	ARSENIC	6		0.35	1.1572	mg/Kg

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	BARIUM	14.4	J	0.58	23.1441	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	BERYLLIUM	0.4	J	0.035	0.5786	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	CALCIUM	95.3	J	15.8	578.6033	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	CHROMIUM, TOTAL	20.9		0.13	1.1572	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	COBALT	3.9	J	0.2	5.786	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	COPPER	96.5		0.3	2.893	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	IRON	18200		5.5	11.5721	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	LEAD	38.1		0.17	0.3472	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	MAGNESIUM	1630		16.3	578.6033	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	MANGANESE	68.1		0.058	1.7358	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	NICKEL	8.7		0.19	4.6288	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	POTASSIUM	492	J	22.7	578.6033	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	SELENIUM	1.5		0.37	0.5786	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	VANADIUM	26.8		0.19	5.786	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW6010B	ZINC	25.6		0.21	2.3144	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW7471A	MERCURY	0.026	J	0.02	0.047	mg/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8270C	2,4,6-TRINITROTOLUENE	470	TI			ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8270C	2,4-DINITROTOLUENE	100	J	75.8	400	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8270C	2,6-DINITROTOLUENE	26	J	26	400	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8270C	2-METHYLPHENOL (O-CRESOL)	55	J	44.6	400	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8270C	BENZOIC ACID	270	J	149	1000	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8270C	NAPHTHALENE	42	J	36.2	400	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8330	2,4,6-TRINITROTOLUENE	500		1.5	13	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8330	2,4-DINITROTOLUENE	82		1.5	13	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8330	2,6-DINITROTOLUENE	14		0.68	13	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	110		3.02	13	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8330	2-NITROTOLUENE	54		4.55	13	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8330	4-AMINO-2,6-DINITROTOLUENE	160		2.49	13	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW8330	4-NITROTOLUENE	15		4.55	13	ug/Kg
SSJ3P43005	ECC080204J301 (post)	8/4/2004	SW9012A	CYANIDE	5.3		0.61	0.61	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	ALUMINUM	17900		4	24.4954	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	ANTIMONY	0.96	J	0.42	7.3486	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	ARSENIC	5.6		0.37	1.2248	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	BARIUM	15.3	J	0.61	24.4954	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	BERYLLIUM	0.4	J	0.037	0.6124	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	CALCIUM	122	J	16.8	612.3849	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	CHROMIUM, TOTAL	19		0.13	1.2248	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	COBALT	4.1	J	0.21	6.1238	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	COPPER	7.8		0.32	3.0619	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	IRON	18000		5.9	12.2477	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	LEAD	13.2		0.18	0.3674	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	MAGNESIUM	1670		17.2	612.3849	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	MANGANESE	69.2		0.061	1.8372	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	NICKEL	8.1		0.2	4.8991	mg/Kg

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	POTASSIUM	509	J	24.1	612.3849	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	SELENIUM	1.1		0.39	0.6124	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	VANADIUM	27.5		0.2	6.1238	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW6010B	ZINC	22.9		0.22	2.4495	mg/Kg
SSJ3P43005	ECC080204J301 (pre)	8/4/2004	SW7471A	MERCURY	0.023	J	0.021	0.0496	mg/Kg
SSJ3X05	SSJ3X05_PO	12/03/2012	SW6010C	Cadmium	0.085	J	0.036	0.23	MG/KG
SSJ3X05	SSJ3X05_PO	12/03/2012	SW6010C	Copper	4.5		0.10	1.2	MG/KG
SSJ3X05	SSJ3X05_PO	12/03/2012	SW8330	2,4,6-Trinitrotoluene	8500		16.5	96.9	UG/KG
SSJ3X05	SSJ3X05_PO	12/03/2012	SW8330	2-Amino-4,6-dinitrotoluene	727		6.4	96.9	UG/KG
SSJ3X05	SSJ3X05_PO	12/03/2012	SW8330	4-Amino-2,6-Dinitrotoluene	497		8.1	96.9	UG/KG
SSJ3X05	SSJ3X05_POA	12/03/2012	SW6010C	Cadmium	0.10	J	0.036	0.23	MG/KG
SSJ3X05	SSJ3X05_POA	12/03/2012	SW6010C	Copper	8.3		0.10	1.2	MG/KG
SSJ3X05	SSJ3X05_POA	12/03/2012	SW8330	2,4,6-Trinitrotoluene	5290		16.6	97.5	UG/KG
SSJ3X05	SSJ3X05_POA	12/03/2012	SW8330	2-Amino-4,6-dinitrotoluene	1040		6.4	97.5	UG/KG
SSJ3X05	SSJ3X05_POA	12/03/2012	SW8330	4-Amino-2,6-Dinitrotoluene	597		8.2	97.5	UG/KG
SSJ3X05	SSJ3X05_POB	12/03/2012	SW6010C	Cadmium	0.096	J	0.038	0.24	MG/KG
SSJ3X05	SSJ3X05_POB	12/03/2012	SW6010C	Copper	5.9		0.11	1.2	MG/KG
SSJ3X05	SSJ3X05_POB	12/03/2012	SW8330	2,4,6-Trinitrotoluene	21700		48.4	285	UG/KG
SSJ3X05	SSJ3X05_POB	12/03/2012	SW8330	2-Amino-4,6-dinitrotoluene	1050		6.3	94.9	UG/KG
SSJ3X05	SSJ3X05_POB	12/03/2012	SW8330	4-Amino-2,6-Dinitrotoluene	712		8.0	94.9	UG/KG
SSJ3X05	SSJ3X05_SS	12/03/2012	SW6010C	Cadmium	0.48		0.037	0.23	MG/KG
SSJ3X05	SSJ3X05_SS	12/03/2012	SW6010C	Copper	46.8		0.10	1.2	MG/KG
SSJ3X05	SSJ3X05_SS	12/03/2012	SW8330	2,4,6-Trinitrotoluene	136000		332	1950	UG/KG
SSJ3X05	SSJ3X05_SS	12/03/2012	SW8330	2,4-Dinitrotoluene	754		14.6	97.7	UG/KG
SSJ3X05	SSJ3X05_SS	12/03/2012	SW8330	2-Amino-4,6-dinitrotoluene	7530		6.5	97.7	UG/KG
SSJ3X05	SSJ3X05_SS	12/03/2012	SW8330	4-Amino-2,6-Dinitrotoluene	5100		8.2	97.7	UG/KG
SSJ3X05	SSJ3X05_SS	12/03/2012	SW8330	Tetryl	621	J	14.6	97.7	UG/KG
SSJ3X05	SSJ3X05_SS2	02/07/2013	SW8330	2,4,6-Trinitrotoluene	733	J	16.3	95.6	UG/KG
SSJ3X05	SSJ3X05_SS2	02/07/2013	SW8330	2-Amino-4,6-dinitrotoluene	183		6.3	95.6	UG/KG
SSJ3X05	SSJ3X05_SS2	02/07/2013	SW8330	4-Amino-2,6-Dinitrotoluene	105	J	8.0	95.6	UG/KG
SSJ3X05	SSJ3X05_SS2B	02/07/2013	SW8330	2,4,6-Trinitrotoluene	224000		1770	10400	UG/KG
SSJ3X05	SSJ3X05_SS2B	02/07/2013	SW8330	2,4-Dinitrotoluene	368		15.7	104	UG/KG
SSJ3X05	SSJ3X05_SS2B	02/07/2013	SW8330	2,6-Dinitrotoluene	296		11.5	104	UG/KG
SSJ3X05	SSJ3X05_SS2B	02/07/2013	SW8330	2-Amino-4,6-dinitrotoluene	2910		6.9	104	UG/KG
SSJ3X05	SSJ3X05_SS2B	02/07/2013	SW8330	4-Amino-2,6-Dinitrotoluene	2200	J	8.8	104	UG/KG
SSJ3X05	SSJ3X05_SS2C	02/07/2013	SW8330	2,4,6-Trinitrotoluene	1040	J	16.1	94.7	UG/KG
SSJ3X05	SSJ3X05_SS2C	02/07/2013	SW8330	2-Amino-4,6-dinitrotoluene	297		6.3	94.7	UG/KG
SSJ3X05	SSJ3X05_SS2C	02/07/2013	SW8330	4-Amino-2,6-Dinitrotoluene	177	J	8.0	94.7	UG/KG
SSJ3X05	SSJ3X05_SSA	12/03/2012	SW6010C	Cadmium	0.19	J	0.036	0.23	MG/KG
SSJ3X05	SSJ3X05_SSA	12/03/2012	SW6010C	Copper	5.2		0.10	1.2	MG/KG
SSJ3X05	SSJ3X05_SSA	12/03/2012	SW8330	2,4,6-Trinitrotoluene	369	J	16.4	96.7	UG/KG
SSJ3X05	SSJ3X05_SSA	12/03/2012	SW8330	2-Amino-4,6-dinitrotoluene	246		6.4	96.7	UG/KG
SSJ3X05	SSJ3X05_SSA	12/03/2012	SW8330	4-Amino-2,6-Dinitrotoluene	155		8.1	96.7	UG/KG
SSJ3X05	SSJ3X05_SSB	12/03/2012	SW6010C	Cadmium	0.17	J	0.036	0.23	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3X05	SSJ3X05_SSB	12/03/2012	SW6010C	Copper	4.7		0.10	1.2	MG/KG
SSJ3X05	SSJ3X05_SSB	12/03/2012	SW8330	2,4,6-Trinitrotoluene	2010		16.6	97.5	UG/KG
SSJ3X05	SSJ3X05_SSB	12/03/2012	SW8330	2-Amino-4,6-dinitrotoluene	405		6.4	97.5	UG/KG
SSJ3X05	SSJ3X05_SSB	12/03/2012	SW8330	4-Amino-2,6-Dinitrotoluene	288		8.2	97.5	UG/KG
SSJ3X05	SSJ3X05_SSB	12/03/2012	SW8330	Tetryl	1960		14.6	97.5	UG/KG
SSJ3X18	SSJ3X18_PO	12/03/2012	SW6010C	Cadmium	0.11	J	0.037	0.24	MG/KG
SSJ3X18	SSJ3X18_POA	12/03/2012	SW6010C	Cadmium	6.1		0.037	0.23	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Aluminum	15400	J	1.9	20.0	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Arsenic	5.7		0.13	1.1	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Barium	17.1	J	0.28	20.0	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Beryllium	0.80		0.0077	0.60	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Boron	2.4	J	0.079	10.0	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Cadmium	6.0	J	0.015	0.60	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Calcium	121	J	2.7	600	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Chromium	17.8		0.011	1.1	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Cobalt	3.5	J	0.022	5.6	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Copper	10.5		0.042	2.8	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Iron	16300	J	0.52	20.0	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Lead	15.2	J	0.11	1.0	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Magnesium	2120		2.2	600	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Manganese	81.0	J	0.0043	1.7	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Molybdenum	0.63	J	0.025	1.1	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Nickel	7.5		0.049	4.5	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Potassium	616		5.8	600	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Sodium	29.4	J	1.4	600	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Vanadium	25.1		0.034	5.6	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW6010B	Zinc	25.8		0.015	2.2	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW7471A	Mercury	0.025	J	0.020	0.050	MG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW8270C	Acenaphthylene	22.0	J	18.2	400	UG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW8270C	Naphthalene	47.0	J	14.6	400	UG/KG
SSJ3T01	ECC052410J301_PO	07/15/2010	SW8270C	Phenanthrene	26.0	J	14.6	400	UG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Aluminum	16800		1.8	20.0	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Arsenic	5.7		0.13	1.1	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Barium	14.8	J	0.27	20.0	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Beryllium	0.75		0.0074	0.50	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Boron	2.2	J	0.075	10.0	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Calcium	93.2	J	2.6	500	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Chromium	18.8		0.010	1.1	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Cobalt	3.0	J	0.021	5.4	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Copper	6.1		0.040	2.7	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Iron	17100		0.49	20.0	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Lead	9.5		0.11	1.0	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Magnesium	1850		2.1	500	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Manganese	68.0		0.0041	1.6	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Molybdenum	0.73	J	0.024	1.1	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Nickel	7.2		0.047	4.3	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Potassium	541		5.5	500	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Sodium	32.2	J	1.3	500	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Vanadium	25.6		0.032	5.4	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW6010B	Zinc	19.3		0.014	2.1	MG/KG
SSJ3T01	ECC052410J301_PRE	07/14/2010	SW7471A	Mercury	0.048		0.018	0.040	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Aluminum	16500	J	1.8	20.0	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Arsenic	5.7		0.13	0.86	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Barium	12.6	J	0.27	20.0	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Beryllium	0.56		0.0073	0.40	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Boron	1.8	J	0.074	9.0	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Cadmium	0.12	J	0.014	0.40	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Calcium	114	J	2.6	400	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Chromium	17.1		0.010	0.86	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Cobalt	1.5	J	0.021	4.3	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Copper	7.3		0.039	2.2	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Iron	17000	J	0.49	20.0	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Lead	13.6	J	0.11	0.90	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Magnesium	1060		2.1	400	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Manganese	43.9	J	0.0040	1.3	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Molybdenum	0.79	J	0.023	0.86	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Nickel	5.4		0.047	3.4	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Potassium	377	J	5.4	400	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Sodium	29.4	J	1.3	400	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Vanadium	25.8		0.032	4.3	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW6010B	Zinc	68.8		0.014	1.7	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW7471A	Mercury	0.045	J	0.020	0.050	MG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW8270C	Benzoic acid	67.0	J	55.8	1000	UG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW8270C	Naphthalene	27.0	J	12.0	400	UG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW8330	2,4,6-Trinitrotoluene	3100		6.0	44.0	UG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW8330	2,6-Dinitrotoluene	110	J	2.1	14.0	UG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW8330	2-Amino-4,6-dinitrotoluene	120		1.7	14.0	UG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW8330	4-Amino-2,6-Dinitrotoluene	120		1.8	14.0	UG/KG
SSJ3T02	ECC052410J302_PO	07/15/2010	SW8330	Pentaerythritol Tetranitrate	9000		161	690	UG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Aluminum	15900		1.9	20.0	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Arsenic	5.3		0.13	1.1	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Barium	12.7	J	0.28	20.0	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Beryllium	0.64		0.0077	0.60	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Calcium	58.8	J	2.7	600	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Chromium	16.6		0.011	1.1	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Cobalt	1.6	J	0.022	5.6	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Copper	3.6	J	0.041	2.8	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Iron	16800	J	0.51	20.0	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Lead	10.1	J	0.11	1.0	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Magnesium	1200		2.2	600	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Manganese	44.0	J	0.0043	1.7	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Molybdenum	0.62	J	0.025	1.1	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Nickel	6.2		0.049	4.5	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Potassium	374	J	5.7	600	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Sodium	28.5	J	1.4	600	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Vanadium	24.8		0.034	5.6	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW6010B	Zinc	35.5		0.015	2.2	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW7471A	Mercury	0.033	J	0.020	0.050	MG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	28.0	J	25.1	400	UG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW8330	2,4,6-Trinitrotoluene	370		1.5	11.0	UG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW8330	2-Amino-4,6-dinitrotoluene	41.0		1.7	11.0	UG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW8330	4-Amino-2,6-Dinitrotoluene	35.0		1.8	11.0	UG/KG
SSJ3T02	ECC052410J302_POD	07/16/2010	SW8330	Pentaerythritol Tetranitrate	13000		161	530	UG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Aluminum	17000		1.9	20.0	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Arsenic	5.8		0.14	0.93	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Barium	12.2	J	0.29	20.0	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Beryllium	0.58		0.0080	0.50	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Boron	1.9	J	0.081	9.0	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Calcium	133	J	2.8	500	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Chromium	17.0		0.011	0.93	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Cobalt	1.4	J	0.023	4.7	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Copper	4.4		0.043	2.3	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Iron	18200		0.53	20.0	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Lead	10.8		0.12	0.90	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Magnesium	795		2.3	500	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Manganese	38.0		0.0044	1.4	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Molybdenum	0.85	J	0.025	0.93	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Nickel	5.3		0.051	3.7	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Potassium	376	J	5.9	500	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Selenium	0.54	J	0.15	3.3	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Sodium	30.2	J	1.4	500	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Vanadium	26.5		0.035	4.7	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW6010B	Zinc	13.0		0.015	1.9	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW7471A	Mercury	0.046		0.019	0.040	MG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW8270C	Benzoic acid	110	J	55.4	1000	UG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW8330	2,4,6-Trinitrotoluene	200000		306	2100	UG/KG
SSJ3T02	ECC052410J302_PRE	07/14/2010	SW8330	2-Amino-4,6-dinitrotoluene	210	J	1.7	10.0	UG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Aluminum	6780	J	1.7	20.0	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Arsenic	7.2		0.12	1.0	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Barium	18.5	J	0.26	20.0	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Beryllium	0.31	J	0.0071	0.50	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Cadmium	1.7	J	0.013	0.50	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Calcium	1700		2.5	500	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Chromium	50.7		0.010	1.0	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Cobalt	2.6	J	0.021	5.1	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Copper	3130		0.38	26.0	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Iron	44000	J	4.7	200	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Lead	634	J	1.0	10.0	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Magnesium	482	J	2.0	500	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Manganese	172	J	0.0039	1.5	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Molybdenum	2.3		0.023	1.0	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Nickel	10.9		0.045	4.1	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Potassium	263	J	5.3	500	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Silver	4.3		0.041	1.0	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Sodium	31.1	J	1.3	500	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Vanadium	21.6		0.031	5.1	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW6010B	Zinc	212		0.013	2.1	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW7471A	Mercury	0.099		0.018	0.040	MG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW8270C	2,4-Dimethylphenol	69.0	J	63.2	400	UG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW8270C	Acenaphthylene	27.0	J	18.2	400	UG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW8270C	Benzoic acid	220	J	68.0	1000	UG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW8270C	Fluoranthene	24.0	J	14.6	400	UG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW8270C	Naphthalene	66.0	J	14.6	400	UG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW8270C	Phenanthrene	34.0	J	14.6	400	UG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW8270C	Phenol	56.0	J	48.6	400	UG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW8270C	Pyrene	25.0	J	17.0	400	UG/KG
SSJ3T05	ECC052510J303_PO	07/15/2010	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	36.0	J	2.0	11.0	UG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Aluminum	9410		2.1	30.0	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Arsenic	5.7		0.15	1.3	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Barium	14.7	J	0.31	30.0	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Beryllium	0.37	J	0.0087	0.60	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Boron	1.8	J	0.088	10.0	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Cadmium	0.25	J	0.016	0.60	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Calcium	349	J	3.1	600	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Chromium	11.7		0.012	1.3	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Cobalt	0.91	J	0.025	6.3	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Copper	28.1		0.046	3.1	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Iron	23400		0.58	30.0	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Lead	19.1		0.13	1.0	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Magnesium	564	J	2.5	600	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Manganese	56.2		0.0048	1.9	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Molybdenum	0.99	J	0.028	1.3	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Nickel	3.4	J	0.055	5.0	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Potassium	378	J	6.4	600	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Sodium	43.1	J	1.5	600	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Vanadium	31.9		0.038	6.3	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW6010B	Zinc	26.8		0.016	2.5	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW7471A	Mercury	0.078		0.020	0.050	MG/KG
SSJ3T05	ECC052510J303_PRE	07/14/2010	SW8270C	Benzoic acid	80.0	J	72.9	1100	UG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Aluminum	13500	J	1.7	20.0	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Arsenic	5.1		0.12	1.0	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Barium	12.8	J	0.26	20.0	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Beryllium	0.67		0.0071	0.50	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Cadmium	3.6	J	0.013	0.50	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Calcium	70.9	J	2.5	500	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Chromium	14.7		0.0099	1.0	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Cobalt	2.2	J	0.021	5.1	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Copper	142		0.038	2.6	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Iron	15900	J	0.47	20.0	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Lead	26.0	J	0.10	1.0	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Magnesium	1220		2.0	500	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Manganese	52.2	J	0.0039	1.5	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Molybdenum	0.92	J	0.022	1.0	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Nickel	5.6		0.045	4.1	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Potassium	387	J	5.2	500	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Sodium	25.1	J	1.3	500	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Vanadium	19.9		0.031	5.1	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW6010B	Zinc	103		0.013	2.0	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW7471A	Mercury	0.028	J	0.019	0.050	MG/KG
SSJ3T07	ECC052610J302_PO	07/15/2010	SW8270C	Benzoic acid	82.0	J	65.2	960	UG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Aluminum	13600		1.8	20.0	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Arsenic	5.1		0.13	1.1	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Barium	12.2	J	0.26	20.0	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Beryllium	0.60		0.0073	0.50	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Cadmium	2.5	J	0.014	0.50	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Calcium	67.7	J	2.6	500	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Chromium	14.4		0.010	1.1	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Cobalt	1.8	J	0.021	5.3	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Copper	159	J	0.039	2.6	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Iron	16100	J	0.48	20.0	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Lead	24.0	J	0.11	1.0	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Magnesium	1060		2.1	500	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Manganese	45.0	J	0.0040	1.6	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Molybdenum	0.79	J	0.023	1.1	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Nickel	6.0		0.046	4.2	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Potassium	349	J	5.4	500	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Selenium	0.63	J	0.14	3.7	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Silver	0.43	J	0.042	1.1	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Sodium	23.8	J	1.3	500	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Vanadium	20.5		0.032	5.3	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T07	ECC052610J302_POD	07/16/2010	SW6010B	Zinc	120		0.014	2.1	MG/KG
SSJ3T07	ECC052610J302_POD	07/16/2010	SW7471A	Mercury	0.021	J	0.017	0.040	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Aluminum	15700		1.9	20.0	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Arsenic	5.4		0.14	1.1	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Barium	18.2	J	0.29	20.0	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Beryllium	0.80		0.0079	0.60	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Boron	2.3	J	0.080	10.0	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Cadmium	0.22	J	0.015	0.60	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Calcium	75.1	J	2.8	600	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Chromium	17.4		0.011	1.1	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Cobalt	3.4	J	0.023	5.7	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Copper	3.6		0.042	2.9	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Iron	17400		0.53	20.0	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Lead	8.6		0.11	1.0	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Magnesium	2050		2.3	600	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Manganese	74.5		0.0044	1.7	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Molybdenum	0.65	J	0.025	1.1	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Nickel	7.2		0.050	4.6	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Potassium	546	J	5.9	600	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Sodium	27.6	J	1.4	600	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Vanadium	23.1		0.034	5.7	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW6010B	Zinc	21.2		0.015	2.3	MG/KG
SSJ3T07	ECC052610J302_PRE	07/14/2010	SW7471A	Mercury	0.023	J	0.015	0.040	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Aluminum	14400	J	1.7	20.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Arsenic	6.1		0.12	1.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Barium	15.4	J	0.25	20.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Beryllium	0.70		0.0070	0.50	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Boron	1.9	J	0.071	10.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Cadmium	3.0	J	0.013	0.50	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Calcium	81.5	J	2.5	500	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Chromium	24.8		0.0098	1.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Cobalt	3.3	J	0.020	5.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Copper	41.5		0.037	2.5	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Iron	18400	J	0.46	20.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Lead	19.0	J	0.10	1.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Magnesium	1840		2.0	500	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Manganese	81.7	J	0.0038	1.5	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Molybdenum	0.83	J	0.022	1.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Nickel	7.6		0.044	4.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Potassium	498	J	5.2	500	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Sodium	26.5	J	1.2	500	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Vanadium	22.9		0.030	5.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW6010B	Zinc	41.8		0.013	2.0	MG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW7471A	Mercury	0.027	J	0.017	0.040	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T09	ECC052610J304_PO	07/15/2010	SW8270C	Benzoic acid	120	J	66.7	980	UG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	32.0	J	25.0	390	UG/KG
SSJ3T09	ECC052610J304_PO	07/15/2010	SW8270C	Naphthalene	28.0	J	14.3	390	UG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Aluminum	11000		1.9	20.0	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Arsenic	4.8		0.13	1.1	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Barium	17.1	J	0.28	20.0	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Beryllium	0.64		0.0076	0.60	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Boron	2.0	J	0.077	10.0	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Cadmium	2.5	J	0.014	0.60	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Calcium	121	J	2.7	600	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Chromium	14.1		0.011	1.1	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Cobalt	3.0	J	0.022	5.5	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Copper	942	J	0.41	28.0	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Iron	12200	J	0.51	20.0	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Lead	97.1	J	0.11	1.0	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Magnesium	1640		2.2	600	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Manganese	67.6	J	0.0042	1.7	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Molybdenum	0.50	J	0.024	1.1	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Nickel	7.1		0.048	4.4	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Potassium	518	J	5.6	600	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Selenium	0.30	J	0.14	3.9	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Sodium	34.1	J	1.3	600	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Vanadium	19.1		0.033	5.5	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW6010B	Zinc	54.4		0.014	2.2	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW7471A	Mercury	0.020	J	0.019	0.050	MG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW8270C	Benzoic acid	240	J	61.6	940	UG/KG
SSJ3T09	ECC052610J304_POD	07/16/2010	SW8270C	Naphthalene	27.0	J	13.2	370	UG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Aluminum	13000		1.9	20.0	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Arsenic	5.0		0.14	1.1	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Barium	20.1		0.29	20.0	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Beryllium	0.90		0.0079	0.60	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Boron	2.7	J	0.080	10.0	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Cadmium	2.0		0.015	0.60	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Calcium	95.4	J	2.8	600	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Chromium	15.7		0.011	1.1	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Cobalt	3.8	J	0.023	5.7	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Copper	5.3		0.042	2.9	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Iron	14600		0.53	20.0	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Lead	7.7		0.11	1.0	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Magnesium	2170		2.2	600	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Manganese	97.0		0.0043	1.7	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Molybdenum	0.52	J	0.025	1.1	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Nickel	7.1		0.050	4.6	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Potassium	687		5.8	600	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Sodium	30.3	J	1.4	600	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Vanadium	21.5		0.034	5.7	MG/KG
SSJ3T09	ECC052610J304_PRE	07/14/2010	SW6010B	Zinc	22.2		0.015	2.3	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Aluminum	7880	J	1.6	20.0	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Arsenic	3.2		0.12	0.98	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Barium	8.2	J	0.24	20.0	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Beryllium	0.30	J	0.0067	0.50	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Cadmium	5.1	J	0.013	0.50	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Calcium	146	J	2.4	500	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Chromium	7.3		0.0095	0.98	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Cobalt	0.65	J	0.019	4.9	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Copper	14.4		0.036	2.4	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Iron	9980	J	0.45	20.0	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Lead	10.1	J	0.098	1.0	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Magnesium	614		1.9	500	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Manganese	32.7	J	0.0037	1.5	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Molybdenum	0.79	J	0.021	0.98	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Nickel	2.1	J	0.043	3.9	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Potassium	217	J	5.0	500	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Sodium	32.6	J	1.2	500	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Vanadium	15.4		0.029	4.9	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW6010B	Zinc	14.1		0.013	2.0	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW7471A	Mercury	0.033	J	0.018	0.040	MG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	44.0	J	23.9	370	UG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW8330	1,3,5-Trinitrobenzene	35.0	J	1.5	11.0	UG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW8330	2,4,6-Trinitrotoluene	4500		7.6	55.0	UG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW8330	2,4-Dinitrotoluene	50.0		1.5	11.0	UG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW8330	2-Amino-4,6-dinitrotoluene	170		1.7	11.0	UG/KG
SSJ3T15	ECC052710J303_PO	07/15/2010	SW8330	4-Amino-2,6-Dinitrotoluene	160		1.8	11.0	UG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Aluminum	8440		1.6	20.0	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Arsenic	3.0		0.11	0.94	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Barium	6.7	J	0.23	20.0	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Beryllium	0.35	J	0.0065	0.50	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Cadmium	0.43	J	0.012	0.50	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Calcium	59.9	J	2.3	500	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Chromium	8.1		0.0091	0.94	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Cobalt	0.86	J	0.019	4.7	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Copper	11.4	J	0.035	2.3	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Iron	8740	J	0.43	20.0	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Lead	7.8	J	0.094	0.90	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Magnesium	603		1.9	500	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Manganese	29.5	J	0.0036	1.4	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Molybdenum	0.64	J	0.021	0.94	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Nickel	3.2	J	0.041	3.8	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Potassium	204	J	4.8	500	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Selenium	0.28	J	0.12	3.3	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Sodium	16.0	J	1.1	500	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Vanadium	12.5		0.028	4.7	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW6010B	Zinc	17.4		0.012	1.9	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW7471A	Mercury	0.018	J	0.018	0.040	MG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW8330	2,4,6-Trinitrotoluene	470		1.5	11.0	UG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW8330	2,4-Dinitrotoluene	15.0		1.5	11.0	UG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW8330	2-Amino-4,6-dinitrotoluene	48.0		1.7	11.0	UG/KG
SSJ3T15	ECC052710J303_POD	07/16/2010	SW8330	4-Amino-2,6-Dinitrotoluene	49.0		1.8	11.0	UG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Aluminum	9580		1.8	20.0	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Arsenic	3.3		0.13	1.0	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Barium	8.0	J	0.26	20.0	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Beryllium	0.36	J	0.0072	0.50	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Boron	1.5	J	0.073	10.0	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Cadmium	0.43	J	0.014	0.50	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Calcium	127	J	2.6	500	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Chromium	8.3		0.010	1.0	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Cobalt	0.60	J	0.021	5.2	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Copper	2.1	J	0.039	2.6	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Iron	9720		0.48	20.0	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Lead	7.5		0.10	1.0	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Magnesium	441	J	2.1	500	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Manganese	20.6		0.0040	1.6	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Molybdenum	0.82	J	0.023	1.0	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Nickel	2.7	J	0.046	4.2	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Potassium	262	J	5.4	500	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Selenium	0.16	J	0.14	3.7	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Sodium	20.6	J	1.3	500	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Vanadium	15.9		0.032	5.2	MG/KG
SSJ3T15	ECC052710J303_PRE	07/14/2010	SW6010B	Zinc	8.6		0.014	2.1	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Aluminum	13200	J	1.9	20.0	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Arsenic	5.8		0.13	1.1	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Barium	13.9	J	0.28	20.0	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Beryllium	0.73		0.0076	0.60	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Boron	2.3	J	0.077	10.0	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Cadmium	2.4	J	0.014	0.60	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Calcium	103	J	2.7	600	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Chromium	16.1		0.011	1.1	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Cobalt	2.9	J	0.022	5.5	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Copper	26.2	J	0.041	2.8	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Iron	15500	J	0.51	20.0	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Lead	14.2	J	0.11	1.0	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Magnesium	1920		2.2	600	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Manganese	72.9	J	0.0042	1.7	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Molybdenum	0.51	J	0.024	1.1	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Nickel	8.0		0.049	4.4	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Potassium	586	J	5.6	600	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Sodium	37.6	J	1.3	600	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Vanadium	22.2		0.033	5.5	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW6010B	Zinc	45.6		0.014	2.2	MG/KG
SSJ3T18	ECC070710J302_PO	07/15/2010	SW7471A	Mercury	0.031	J	0.018	0.040	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Aluminum	13500		1.7	20.0	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Arsenic	7.3		0.12	1.0	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Barium	12.7	J	0.26	20.0	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Beryllium	0.87		0.0070	0.50	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Boron	2.4	J	0.071	10.0	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Cadmium	0.69	J	0.013	0.50	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Calcium	82.5	J	2.5	500	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Chromium	17.2		0.0099	1.0	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Cobalt	3.4	J	0.020	5.1	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Copper	30.1	J	0.038	2.6	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Iron	17700	J	0.47	20.0	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Lead	11.2	J	0.10	1.0	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Magnesium	2270		2.0	500	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Manganese	88.4	J	0.0039	1.5	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Molybdenum	0.43	J	0.022	1.0	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Nickel	8.9		0.045	4.1	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Potassium	635		5.2	500	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Sodium	32.7	J	1.2	500	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Vanadium	23.0		0.031	5.1	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW6010B	Zinc	70.8		0.013	2.0	MG/KG
SSJ3T18	ECC070710J302_POD	07/16/2010	SW8330	2,4,6-Trinitrotoluene	21.0		1.5	11.0	UG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Aluminum	14700	J	1.7	20.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Arsenic	4.9		0.12	1.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Barium	13.0	J	0.25	20.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Beryllium	0.61		0.0069	0.50	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Boron	1.8	J	0.070	10.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Cadmium	0.69		0.013	0.50	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Calcium	90.1	J	2.4	500	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Chromium	15.4		0.0097	1.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Cobalt	2.0	J	0.020	5.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Copper	2.4	J	0.037	2.5	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Iron	15500	J	0.46	20.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Lead	8.6		0.10	1.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Magnesium	1150		2.0	500	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Manganese	47.5	J	0.0038	1.5	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Molybdenum	0.63	J	0.022	1.0	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Nickel	6.5		0.044	4.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Potassium	394	J	5.1	500	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Sodium	22.4	J	1.2	500	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Vanadium	22.3		0.030	5.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW6010B	Zinc	12.9		0.013	2.0	MG/KG
SSJ3T18	ECC070710J302_PRE	07/14/2010	SW7471A	Mercury	0.030	J	0.019	0.040	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Aluminum	2870	J	1.8	20.0	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Antimony	0.81	J	0.086	6.3	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Arsenic	2.3		0.13	1.0	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Barium	6.4	J	0.26	20.0	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Beryllium	0.24	J	0.0072	0.50	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Boron	1.2	J	0.073	10.0	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Cadmium	3.2	J	0.014	0.50	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Calcium	134	J	2.5	500	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Chromium	4.9		0.010	1.0	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Cobalt	0.83	J	0.021	5.2	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Copper	88.8	J	0.039	2.6	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Iron	6340	J	0.48	20.0	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Lead	39.6	J	0.10	1.0	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Magnesium	445	J	2.1	500	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Manganese	39.3	J	0.0040	1.6	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Molybdenum	0.15	J	0.023	1.0	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Nickel	2.0	J	0.046	4.2	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Potassium	217	J	5.3	500	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Sodium	18.0	J	1.3	500	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Vanadium	8.2		0.031	5.2	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW6010B	Zinc	14.2		0.014	2.1	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW7471A	Mercury	0.026	J	0.017	0.040	MG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	53.0	J	24.7	390	UG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW8270C	Naphthalene	25.0	J	14.1	390	UG/KG
SSJ3T21	ECC070910J302_PO	07/15/2010	SW8270C	Phenanthrene	21.0	J	14.1	390	UG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Aluminum	15500	J	1.8	20.0	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Arsenic	5.3		0.13	1.1	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Barium	13.4	J	0.26	20.0	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Beryllium	0.66		0.0073	0.50	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Boron	1.7	J	0.074	10.0	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Cadmium	1.0		0.014	0.50	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Calcium	79.0	J	2.6	500	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Chromium	16.7		0.010	1.1	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Cobalt	2.5	J	0.021	5.3	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Copper	3.1		0.039	2.6	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Iron	15800	J	0.49	20.0	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Lead	8.9		0.11	1.0	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Magnesium	1540		2.1	500	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Manganese	61.3	J	0.0040	1.6	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Molybdenum	0.58	J	0.023	1.1	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Nickel	7.0		0.046	4.2	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Potassium	436	J	5.4	500	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Sodium	23.6	J	1.3	500	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Vanadium	23.6		0.032	5.3	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW6010B	Zinc	16.2		0.014	2.1	MG/KG
SSJ3T21	ECC070910J302_PRE	07/14/2010	SW7471A	Mercury	0.040		0.019	0.040	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Aluminum	19500	J	1.9	20.0	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Arsenic	6.2		0.14	1.1	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Barium	16.0	J	0.29	20.0	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Beryllium	0.69		0.0079	0.60	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Boron	1.7	J	0.081	10.0	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Cadmium	0.025	J	0.015	0.60	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Calcium	73.5	J	2.8	600	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Chromium	20.5		0.011	1.1	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Cobalt	2.4	J	0.023	5.7	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Copper	3.7	J	0.043	2.9	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Iron	19000	J	0.53	20.0	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Lead	10.0	J	0.11	1.0	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Magnesium	1490		2.3	600	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Manganese	58.2	J	0.0044	1.7	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Molybdenum	0.80	J	0.025	1.1	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Nickel	7.5		0.051	4.6	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Potassium	457	J	5.9	600	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Sodium	38.8	J	1.4	600	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Vanadium	26.4		0.035	5.7	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW6010B	Zinc	36.4		0.015	2.3	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW7471A	Mercury	0.035	J	0.020	0.050	MG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW8270C	Naphthalene	36.0	J	15.6	430	UG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW8330	2,4,6-Trinitrotoluene	39.0		1.5	11.0	UG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW8330	2-Amino-4,6-dinitrotoluene	29.0		1.7	11.0	UG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW8330	4-Amino-2,6-Dinitrotoluene	21.0		1.8	11.0	UG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	140		2.0	11.0	UG/KG
SSJ3T22	ECC070910J303_PO	07/15/2010	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	15.0		0.96	11.0	UG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Aluminum	13900		1.8	20.0	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Arsenic	5.0		0.13	1.1	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Barium	14.8	J	0.27	20.0	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Beryllium	0.71		0.0074	0.50	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Boron	2.7	J	0.075	10.0	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Cadmium	2.4	J	0.014	0.50	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Calcium	148	J	2.6	500	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Chromium	16.1		0.010	1.1	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Cobalt	2.7	J	0.021	5.4	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Copper	264	J	0.040	2.7	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Iron	15500	J	0.50	20.0	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Lead	79.6	J	0.11	1.0	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Magnesium	1630		2.1	500	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Manganese	63.5	J	0.0041	1.6	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Molybdenum	0.47	J	0.024	1.1	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Nickel	7.3		0.047	4.3	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Potassium	450	J	5.5	500	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Sodium	24.7	J	1.3	500	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Vanadium	22.7		0.032	5.4	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW6010B	Zinc	21.8		0.014	2.2	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW7471A	Mercury	0.026	J	0.019	0.050	MG/KG
SSJ3T22	ECC070910J303_POD	07/16/2010	SW8270C	bis(2-Ethylhexyl) Phthalate	26.0	J	26.0	420	UG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Aluminum	16500	J	2.1	20.0	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Arsenic	5.3		0.15	1.2	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Barium	14.2	J	0.31	20.0	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Beryllium	0.52	J	0.0085	0.60	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Boron	1.8	J	0.086	10.0	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Cadmium	0.096	J	0.016	0.60	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Calcium	172	J	3.0	600	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Chromium	15.8		0.012	1.2	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Cobalt	1.4	J	0.025	6.2	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Copper	4.4		0.046	3.1	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Iron	17000	J	0.57	20.0	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Lead	14.2		0.12	1.0	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Magnesium	898		2.4	600	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Manganese	43.0	J	0.0047	1.9	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Molybdenum	0.80	J	0.027	1.2	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Nickel	5.2		0.054	4.9	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Potassium	359	J	6.3	600	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Sodium	21.9	J	1.5	600	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Vanadium	25.8		0.037	6.2	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW6010B	Zinc	15.4		0.016	2.5	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW7471A	Mercury	0.053		0.022	0.050	MG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW8270C	Benzoic acid	97.0	J	75.4	1100	UG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW8330	2,4,6-Trinitrotoluene	15.0		1.6	11.0	UG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW8330	2-Amino-4,6-dinitrotoluene	23.0		1.8	11.0	UG/KG
SSJ3T22	ECC070910J303_PRE	07/14/2010	SW8330	4-Amino-2,6-Dinitrotoluene	20.0		1.9	11.0	UG/KG
SSJ3T01	SSJ3T01_PO	12/04/2012	SW6010C	Cadmium	2.7	J	0.037	0.24	MG/KG
SSJ3T01	SSJ3T01_POA	12/04/2012	SW6010C	Cadmium	4.5		0.037	0.24	MG/KG
SSJ3T01	SSJ3T01_POB	12/04/2012	SW6010C	Cadmium	3.4		0.039	0.25	MG/KG
SSJ3T17	SSJ3T17_PO2	02/07/2013	SW8330	2,4,6-Trinitrotoluene	107		15.9	93.3	UG/KG
SSJ3T17	SSJ3T17_PO2	02/07/2013	SW8330	2-Amino-4,6-dinitrotoluene	121	J	6.2	93.3	UG/KG
SSJ3T17	SSJ3T17_PO2	02/07/2013	SW8330	4-Amino-2,6-Dinitrotoluene	105		7.8	93.3	UG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3T17	SSJ3T17_SS2	02/07/2013	SW8330	2,4,6-Trinitrotoluene	1100		15.8	92.9	UG/KG
SSJ3T17	SSJ3T17_SS2	02/07/2013	SW8330	2-Amino-4,6-dinitrotoluene	535		6.1	92.9	UG/KG
SSJ3T17	SSJ3T17_SS2	02/07/2013	SW8330	4-Amino-2,6-Dinitrotoluene	344		7.8	92.9	UG/KG
SSJ3T21	SSJ3T21_PO	12/05/2012	SW6010C	Cadmium	3.0		0.037	0.24	MG/KG
SSJ3B01	SSJ3B01_PO	12/04/2012	SW6010C	Cadmium	5.8		0.036	0.23	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Aluminum	16200		1.4	10.0	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Antimony	0.44	J	0.19	3.0	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Arsenic	5.1		0.10	0.50	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Barium	17.1		0.31	10.0	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Beryllium	0.42		0.010	0.25	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Boron	1.4	J	0.090	5.0	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Cadmium	11.1		0.030	0.25	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Calcium	86.5	J	5.0	250	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Chromium	17.7		0.010	0.50	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Cobalt	3.0		0.030	2.5	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Copper	37.6		0.080	1.2	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Iron	17300		1.1	10.0	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Lead	23.8		0.11	0.50	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Magnesium	1760		1.7	250	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Manganese	70.0		0.045	0.75	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Molybdenum	0.67		0.030	0.50	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Nickel	8.1		0.075	2.0	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Potassium	471		11.5	250	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Selenium	1.6	J	0.16	1.7	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Sodium	30.8	J	2.5	250	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Thallium	0.12	J	0.095	1.2	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Vanadium	24.3		0.040	2.5	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW6010B	Zinc	19.3		0.030	1.0	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW7471A	Mercury	0.023	J	0.0022	0.033	MG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW8270C	Benzyl alcohol	410		16.0	330	UG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW8270C	Benzyl butyl phthalate	54.0	J	20.0	330	UG/KG
SSJ3B01	TT051811J3B01_PO	11/07/2011	SW8270C	Diethyl Phthalate	24.0	J	15.0	330	UG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Aluminum	18600		3.1	21.9	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Arsenic	5.1		0.23	1.1	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Barium	14.6	J	0.69	21.9	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.40	J	0.022	0.55	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Boron	1.5	J	0.20	10.9	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Cadmium	0.35	J	0.066	0.55	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Calcium	74.7	J	10.9	546	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Chromium	17.8		0.022	1.1	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Cobalt	2.1	J	0.066	5.5	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Copper	2.4	J	0.17	2.7	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Iron	18200		2.5	21.9	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Lead	11.1		0.24	1.1	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Magnesium	1150		3.8	546	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Manganese	45.4		0.098	1.6	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.79	J	0.066	1.1	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Nickel	7.0		0.16	4.4	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Potassium	393	J	25.1	546	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Selenium	1.4	J	0.35	3.8	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Sodium	28.2	J	5.6	546	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Thallium	0.28	J	0.21	2.7	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Vanadium	26.8		0.087	5.5	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6010B	Zinc	13.3		0.066	2.2	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW6850	Perchlorate	0.34	J	0.066	1.1	UG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW7471A	Mercury	0.0039	J	0.0028	0.043	MG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW8270C	Benzoic acid	78.0	J	73.0	1100	UG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW8270C	Benzyl butyl phthalate	31.0	J	26.0	430	UG/KG
SSJ3B01	TT051811J3B01_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	42.0	J	27.0	430	UG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Aluminum	16700		1.4	10.0	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Antimony	0.44	J	0.19	3.0	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Arsenic	5.3		0.10	0.50	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Barium	14.5		0.31	10.0	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Beryllium	0.39		0.010	0.25	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Boron	1.5	J	0.090	5.0	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Cadmium	13.7		0.030	0.25	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Calcium	99.9	J	5.0	250	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Chromium	18.2		0.010	0.50	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Cobalt	2.5		0.030	2.5	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Copper	123		0.080	1.2	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Iron	17000		1.1	10.0	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Lead	44.7		0.11	0.50	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Magnesium	1620		1.7	250	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Manganese	59.8		0.045	0.75	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Molybdenum	0.75		0.030	0.50	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Nickel	7.9		0.075	2.0	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Potassium	443		11.5	250	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Selenium	1.8		0.16	1.7	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Sodium	26.0	J	2.5	250	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Vanadium	25.1		0.040	2.5	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW6010B	Zinc	16.9		0.030	1.0	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW7471A	Mercury	0.029	J	0.0021	0.031	MG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW8270C	Benzyl alcohol	740		16.0	320	UG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW8270C	Benzyl butyl phthalate	81.0	J	19.0	320	UG/KG
SSJ3B02	TT051811J3B02_PO	11/07/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	1400		20.0	320	UG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Aluminum	18400		3.6	25.5	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Arsenic	5.6		0.27	1.3	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Barium	12.5	J	0.80	25.5	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Beryllium	0.37	J	0.026	0.64	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Boron	1.7	J	0.23	12.8	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Cadmium	0.48	J	0.077	0.64	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Calcium	72.3	J	12.8	638	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Chromium	18.3		0.026	1.3	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Cobalt	2.3	J	0.077	6.4	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Copper	2.8	J	0.20	3.2	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Iron	17400		2.9	25.5	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Lead	9.6		0.28	1.3	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Magnesium	1410		4.5	638	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Manganese	52.0		0.11	1.9	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Molybdenum	0.83	J	0.077	1.3	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Nickel	7.0		0.19	5.1	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Potassium	436	J	29.3	638	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Selenium	2.5	J	0.41	4.5	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Sodium	25.0	J	6.5	638	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Vanadium	26.0		0.10	6.4	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6010B	Zinc	14.6		0.077	2.6	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW6850	Perchlorate	0.17	J	0.064	1.0	UG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW7471A	Mercury	0.029	J	0.0025	0.037	MG/KG
SSJ3B02	TT051811J3B02_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	44.0	J	27.0	430	UG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Aluminum	16400		1.4	10.0	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Antimony	0.48	J	0.19	3.0	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Arsenic	5.1		0.10	0.50	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Barium	22.2		0.31	10.0	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Beryllium	0.40		0.010	0.25	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Boron	1.7	J	0.090	5.0	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Cadmium	12.4		0.030	0.25	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Calcium	149	J	5.0	250	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Chromium	20.2		0.010	0.50	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Cobalt	3.2		0.030	2.5	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Copper	145		0.080	1.2	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Iron	18400		1.1	10.0	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Lead	66.9		0.11	0.50	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Magnesium	1940		1.7	250	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Manganese	78.5		0.045	0.75	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Molybdenum	0.65		0.030	0.50	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Nickel	9.7		0.075	2.0	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Potassium	533		11.5	250	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Selenium	2.0		0.16	1.7	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Sodium	32.7	J	2.5	250	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Thallium	0.21	J	0.095	1.2	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Vanadium	24.6		0.040	2.5	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW6010B	Zinc	23.7		0.030	1.0	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW7471A	Mercury	0.046		0.0022	0.033	MG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW8270C	Benzyl alcohol	500		16.0	320	UG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW8270C	Diethyl Phthalate	27.0	J	15.0	320	UG/KG
SSJ3B03	TT052411J3B01_PO	11/07/2011	SW8270C	Phenol	55.0	J	39.0	320	UG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Aluminum	15600		2.9	20.9	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Arsenic	4.5		0.22	1.0	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Barium	17.4	J	0.66	20.9	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.40	J	0.021	0.52	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Boron	1.9	J	0.19	10.5	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Cadmium	0.39	J	0.063	0.52	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Calcium	89.2	J	10.5	523	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Chromium	17.4		0.021	1.0	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Cobalt	3.0	J	0.063	5.2	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Copper	3.3		0.17	2.6	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Iron	14500		2.4	20.9	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Lead	9.2		0.23	1.0	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Magnesium	1940		3.7	523	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Manganese	66.9		0.094	1.6	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.42	J	0.063	1.0	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Nickel	8.4		0.16	4.2	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Potassium	510	J	24.1	523	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Selenium	1.7	J	0.33	3.7	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Sodium	26.9	J	5.3	523	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Vanadium	24.0		0.084	5.2	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW6010B	Zinc	17.9		0.063	2.1	MG/KG
SSJ3B03	TT052411J3B01_PRE	11/01/2011	SW7471A	Mercury	0.0044	J	0.0027	0.041	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Aluminum	13700		1.4	10.0	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Antimony	0.21	J	0.19	3.0	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Arsenic	5.1		0.10	0.50	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Barium	21.1		0.31	10.0	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Beryllium	0.44		0.010	0.25	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Boron	1.7	J	0.090	5.0	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Cadmium	10.9		0.030	0.25	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Calcium	153	J	5.0	249	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Chromium	17.6		0.010	0.50	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Cobalt	3.3		0.030	2.5	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Copper	91.4		0.080	1.2	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Iron	16500		1.1	10.0	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Lead	39.0		0.11	0.50	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Magnesium	1980		1.7	249	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Manganese	79.7		0.045	0.75	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Molybdenum	0.54		0.030	0.50	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Nickel	8.4		0.075	2.0	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Potassium	573		11.5	249	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Selenium	1.3	J	0.16	1.7	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Sodium	31.3	J	2.5	249	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Thallium	0.20	J	0.095	1.2	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Vanadium	21.8		0.040	2.5	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW6010B	Zinc	24.9		0.030	1.0	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW7471A	Mercury	0.018	J	0.0022	0.033	MG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW8270C	Benzyl alcohol	570		16.0	320	UG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW8270C	Benzyl butyl phthalate	60.0	J	20.0	320	UG/KG
SSJ3B07	TT052611J3B01_PO	11/07/2011	SW8270C	Diethyl Phthalate	29.0	J	15.0	320	UG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Aluminum	16600		2.3	16.1	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Arsenic	5.2		0.17	0.81	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Barium	20.8		0.51	16.1	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.42		0.016	0.40	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Boron	1.9	J	0.15	8.1	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Cadmium	0.12	J	0.048	0.40	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Calcium	81.9	J	8.1	403	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Chromium	18.2		0.016	0.81	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Cobalt	3.6	J	0.048	4.0	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Copper	4.2		0.13	2.0	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Iron	16100		1.9	16.1	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Lead	10.2		0.18	0.81	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Magnesium	2140		2.8	403	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Manganese	71.3		0.073	1.2	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.51	J	0.048	0.81	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Nickel	8.7		0.12	3.2	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Potassium	535		18.5	403	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Selenium	1.2	J	0.26	2.8	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Sodium	26.6	J	4.1	403	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Vanadium	24.7		0.064	4.0	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW6010B	Zinc	20.4		0.048	1.6	MG/KG
SSJ3B07	TT052611J3B01_PRE	11/01/2011	SW7471A	Mercury	0.0087	J	0.0022	0.034	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Aluminum	14200		1.4	10.0	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Antimony	0.28	J	0.19	3.0	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Arsenic	4.6		0.10	0.50	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Barium	15.2		0.31	10.0	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Beryllium	0.34		0.010	0.25	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Boron	1.5	J	0.090	5.0	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Cadmium	0.057	J	0.030	0.25	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Calcium	87.9	J	5.0	250	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Chromium	15.3		0.010	0.50	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Cobalt	2.3	J	0.030	2.5	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Copper	68.1		0.080	1.2	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Iron	14300		1.1	10.0	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Lead	28.5		0.11	0.50	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Magnesium	1530		1.7	250	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Manganese	53.6		0.045	0.75	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Molybdenum	0.63		0.030	0.50	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Nickel	7.2		0.075	2.0	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Potassium	410		11.5	250	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Selenium	1.2	J	0.16	1.7	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Sodium	27.6	J	2.5	250	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Thallium	0.15	J	0.095	1.2	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Vanadium	20.8		0.040	2.5	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW6010B	Zinc	20.9		0.030	1.0	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW7471A	Mercury	0.024	J	0.0021	0.032	MG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW8270C	Benzyl alcohol	570		16.0	320	UG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW8270C	Benzyl butyl phthalate	81.0	J	19.0	320	UG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW8270C	Diethyl Phthalate	35.0	J	15.0	320	UG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW8270C	Phenol	70.0	J	39.0	320	UG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW8330	2,4,6-Trinitrotoluene	66.8	J	6.5	97.8	UG/KG
SSJ3B08	TT060811J3B01_POA	11/07/2011	SW8330	Tetryl	119		15.7	97.8	UG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Aluminum	14200		1.4	9.9	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Antimony	0.36	J	0.19	3.0	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Arsenic	4.8		0.10	0.49	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Barium	13.7		0.31	9.9	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Beryllium	0.31		0.0099	0.25	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Boron	1.5	J	0.089	4.9	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Cadmium	0.047	J	0.030	0.25	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Calcium	101	J	4.9	247	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Chromium	15.1		0.0099	0.49	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Cobalt	2.1	J	0.030	2.5	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Copper	138		0.079	1.2	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Iron	14600		1.1	9.9	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Lead	49.1		0.11	0.49	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Magnesium	1350		1.7	247	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Manganese	49.1		0.045	0.74	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Molybdenum	0.68		0.030	0.49	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Nickel	6.7		0.074	2.0	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Potassium	385		11.4	247	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Selenium	1.5	J	0.16	1.7	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Sodium	26.5	J	2.5	247	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Vanadium	20.5		0.040	2.5	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW6010B	Zinc	19.9		0.030	0.99	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW7471A	Mercury	0.022	J	0.0020	0.030	MG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW8270C	Benzyl alcohol	710		16.0	330	UG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW8270C	Benzyl butyl phthalate	83.0	J	20.0	330	UG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW8270C	Diethyl Phthalate	40.0	J	15.0	330	UG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW8270C	Naphthalene	16.0	J	15.0	330	UG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW8270C	Phenanthrene	12.0	J	12.0	330	UG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW8270C	Phenol	90.0	J	40.0	330	UG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW8330	2,4,6-Trinitrotoluene	152		6.2	93.6	UG/KG
SSJ3B08	TT060811J3B01_POB	11/07/2011	SW8330	Tetryl	133		15.0	93.6	UG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Aluminum	15300		1.4	10.0	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Antimony	0.33	J	0.19	3.0	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Arsenic	4.9		0.11	0.50	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Barium	14.2		0.32	10.0	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Beryllium	0.32		0.010	0.25	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Boron	1.5	J	0.090	5.0	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Cadmium	0.052	J	0.030	0.25	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Calcium	105	J	5.0	251	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Chromium	16.2		0.010	0.50	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Cobalt	2.0	J	0.030	2.5	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Copper	115		0.080	1.3	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Iron	15300		1.2	10.0	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Lead	45.2		0.11	0.50	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Magnesium	1390		1.8	251	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Manganese	50.8		0.045	0.75	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Molybdenum	0.72		0.030	0.50	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Nickel	7.2		0.075	2.0	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Potassium	403		11.5	251	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Selenium	1.5	J	0.16	1.8	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Sodium	29.3	J	2.6	251	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Thallium	0.14	J	0.095	1.3	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Vanadium	21.4		0.040	2.5	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW6010B	Zinc	20.9		0.030	1.0	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW7471A	Mercury	0.026	J	0.0021	0.032	MG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW8270C	Benzyl alcohol	650		16.0	330	UG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW8270C	Benzyl butyl phthalate	83.0	J	20.0	330	UG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW8270C	Diethyl Phthalate	37.0	J	15.0	330	UG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW8270C	Naphthalene	19.0	J	15.0	330	UG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW8270C	Phenol	87.0	J	39.0	330	UG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW8330	2,4,6-Trinitrotoluene	141		6.5	98.0	UG/KG
SSJ3B08	TT060811J3B01_POC	11/07/2011	SW8330	Tetryl	273		15.7	98.0	UG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Aluminum	12100		2.9	20.7	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Antimony	0.46	J	0.39	6.2	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Arsenic	4.4		0.22	1.0	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Barium	9.6	J	0.65	20.7	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.23	J	0.021	0.52	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Boron	1.3	J	0.19	10.3	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Calcium	98.5	J	10.3	517	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Chromium	11.9		0.021	1.0	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Cobalt	1.3	J	0.062	5.2	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Copper	2.1	J	0.17	2.6	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Iron	12000		2.4	20.7	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Lead	7.8		0.23	1.0	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Magnesium	841		3.6	517	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Manganese	32.9		0.093	1.6	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.65	J	0.062	1.0	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Nickel	4.5		0.16	4.1	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Potassium	267	J	23.8	517	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Selenium	1.6	J	0.33	3.6	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Sodium	19.1	J	5.3	517	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Thallium	0.23	J	0.20	2.6	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Vanadium	16.8		0.083	5.2	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW6010B	Zinc	11.9		0.062	2.1	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW7471A	Mercury	0.011	J	0.0026	0.039	MG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	31.0	J	26.0	420	UG/KG
SSJ3B08	TT060811J3B01_PRE	11/01/2011	SW8330	Tetryl	1330	J	16.3	102	UG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Aluminum	14500		1.4	10.0	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Antimony	0.24	J	0.19	3.0	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Arsenic	5.4		0.10	0.50	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Barium	19.4		0.31	10.0	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Beryllium	0.45		0.010	0.25	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Boron	1.8	J	0.090	5.0	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Cadmium	7.7		0.030	0.25	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Calcium	176	J	5.0	250	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Chromium	17.9		0.010	0.50	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Cobalt	3.3		0.030	2.5	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Copper	138		0.080	1.2	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Iron	17300		1.1	10.0	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Lead	48.5		0.11	0.50	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Magnesium	2050		1.7	250	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Manganese	76.4		0.045	0.75	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Molybdenum	0.57		0.030	0.50	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Nickel	8.8		0.075	2.0	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Potassium	586		11.5	250	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Selenium	1.4	J	0.16	1.7	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Sodium	29.6	J	2.5	250	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Thallium	0.17	J	0.095	1.2	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Vanadium	22.9		0.040	2.5	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW6010B	Zinc	23.2		0.030	1.0	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW7471A	Mercury	0.026	J	0.0021	0.031	MG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW8270C	Benzyl alcohol	580		16.0	320	UG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW8270C	Benzyl butyl phthalate	72.0	J	20.0	320	UG/KG
SSJ3B09	TT060811J3B02_PO	11/07/2011	SW8270C	Diethyl Phthalate	33.0	J	15.0	320	UG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Aluminum	17000		3.4	24.0	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Arsenic	6.2		0.25	1.2	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Barium	19.1	J	0.76	24.0	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Beryllium	0.47	J	0.024	0.60	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Boron	2.4	J	0.22	12.0	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Cadmium	0.23	J	0.072	0.60	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Calcium	85.4	J	12.0	600	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Chromium	19.0		0.024	1.2	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Cobalt	3.7	J	0.072	6.0	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Copper	4.4		0.19	3.0	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Iron	17000		2.8	24.0	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Lead	10.0		0.26	1.2	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Magnesium	2280		4.2	600	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Manganese	78.1		0.11	1.8	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Molybdenum	0.54	J	0.072	1.2	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Nickel	9.5		0.18	4.8	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Potassium	606		27.6	600	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Selenium	2.3	J	0.38	4.2	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Sodium	28.7	J	6.1	600	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Vanadium	25.7		0.096	6.0	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW6010B	Zinc	22.5		0.072	2.4	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW7471A	Mercury	0.0027	J	0.0024	0.036	MG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW8270C	Benzyl butyl phthalate	27.0	J	26.0	420	UG/KG
SSJ3B09	TT060811J3B02_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	57.0	J	27.0	420	UG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Aluminum	12500		1.4	9.9	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Antimony	0.22	J	0.19	3.0	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Arsenic	4.4		0.10	0.50	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Barium	14.3		0.31	9.9	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Beryllium	0.34		0.0099	0.25	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Boron	1.3	J	0.089	5.0	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Cadmium	4.5		0.030	0.25	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Calcium	129	J	5.0	248	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Chromium	14.6		0.0099	0.50	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Cobalt	2.7		0.030	2.5	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Copper	184		0.079	1.2	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Iron	13400		1.1	9.9	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Lead	65.7		0.11	0.50	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Magnesium	1650		1.7	248	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Manganese	66.0		0.045	0.74	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Molybdenum	0.50		0.030	0.50	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Nickel	6.8		0.074	2.0	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Potassium	428		11.4	248	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Selenium	1.4	J	0.16	1.7	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Sodium	26.9	J	2.5	248	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Vanadium	18.5		0.040	2.5	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW6010B	Zinc	18.9		0.030	0.99	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW7471A	Mercury	0.016	J	0.0021	0.032	MG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW8270C	Benzyl alcohol	600		16.0	330	UG/KG
SSJ3B12	TT101711J3B01_PO	11/08/2011	SW8270C	Phenol	45.0	J	40.0	330	UG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Aluminum	19100		3.4	24.4	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Arsenic	6.1		0.26	1.2	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Barium	16.0	J	0.77	24.4	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.42	J	0.024	0.61	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Boron	1.9	J	0.22	12.2	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Cadmium	0.19	J	0.073	0.61	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Calcium	74.7	J	12.2	610	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Chromium	20.7		0.024	1.2	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Cobalt	3.1	J	0.073	6.1	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Copper	3.3		0.20	3.1	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Iron	16800		2.8	24.4	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Lead	9.9		0.27	1.2	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Magnesium	2010		4.3	610	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Manganese	67.7		0.11	1.8	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.57	J	0.073	1.2	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Nickel	9.0		0.18	4.9	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Potassium	477	J	28.1	610	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Selenium	1.6	J	0.39	4.3	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Sodium	32.4	J	6.2	610	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Thallium	0.29	J	0.23	3.1	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Vanadium	26.3		0.098	6.1	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW6010B	Zinc	19.9		0.073	2.4	MG/KG
SSJ3B12	TT101711J3B01_PRE	11/01/2011	SW7471A	Mercury	0.0076	J	0.0021	0.032	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Aluminum	12100		1.4	9.9	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Antimony	0.24	J	0.19	3.0	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Arsenic	4.0		0.10	0.50	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Barium	8.0	J	0.31	9.9	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Beryllium	0.26		0.0099	0.25	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Cadmium	0.061	J	0.030	0.25	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Calcium	68.7	J	5.0	249	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Chromium	10.8		0.0099	0.50	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Cobalt	0.87	J	0.030	2.5	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Copper	34.9		0.080	1.2	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Iron	14300		1.1	9.9	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Lead	20.3		0.11	0.50	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Magnesium	460		1.7	249	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Manganese	22.8		0.045	0.75	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Molybdenum	0.90		0.030	0.50	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Nickel	3.7		0.075	2.0	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Potassium	233	J	11.4	249	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Selenium	1.7		0.16	1.7	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Sodium	19.0	J	2.5	249	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Thallium	0.17	J	0.094	1.2	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Vanadium	21.2		0.040	2.5	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW6010B	Zinc	8.5		0.030	0.99	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW7471A	Mercury	0.026	J	0.0021	0.032	MG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW8270C	Benzyl alcohol	300	J	16.0	330	UG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW8270C	Diethyl Phthalate	18.0	J	15.0	330	UG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW8330	2,4,6-Trinitrotoluene	5670		6.4	96.2	UG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW8330	2-Amino-4,6-dinitrotoluene	508		6.7	96.2	UG/KG
SSJ3B14	TT101911J3B01_POA	11/08/2011	SW8330	4-Amino-2,6-Dinitrotoluene	374		9.6	96.2	UG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Aluminum	11900		1.4	10.0	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Antimony	0.31	J	0.19	3.0	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Arsenic	4.1		0.10	0.50	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Barium	7.8	J	0.31	10.0	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Beryllium	0.25		0.010	0.25	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Cadmium	0.072	J	0.030	0.25	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Calcium	65.9	J	5.0	249	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Chromium	10.3		0.010	0.50	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Cobalt	0.83	J	0.030	2.5	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Copper	99.9		0.080	1.2	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Iron	14200		1.1	10.0	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Lead	38.2		0.11	0.50	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Magnesium	441		1.7	249	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Manganese	22.5		0.045	0.75	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Molybdenum	0.92		0.030	0.50	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Nickel	3.6		0.075	2.0	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Potassium	233	J	11.5	249	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Selenium	2.0		0.16	1.7	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Sodium	20.6	J	2.5	249	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Thallium	0.10	J	0.095	1.2	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Vanadium	20.7		0.040	2.5	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW6010B	Zinc	8.4		0.030	1.0	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW7471A	Mercury	0.020	J	0.0022	0.033	MG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW8270C	Benzyl alcohol	390		16.0	330	UG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW8270C	Diethyl Phthalate	26.0	J	15.0	330	UG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW8270C	Phenol	46.0	J	40.0	330	UG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW8330	2,4,6-Trinitrotoluene	7430		6.5	99.0	UG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW8330	2-Amino-4,6-dinitrotoluene	446		6.9	99.0	UG/KG
SSJ3B14	TT101911J3B01_POB	11/08/2011	SW8330	4-Amino-2,6-Dinitrotoluene	351		9.9	99.0	UG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Aluminum	12100		1.4	9.9	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Antimony	0.31	J	0.19	3.0	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Arsenic	4.1		0.10	0.50	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Barium	8.0	J	0.31	9.9	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Beryllium	0.26		0.0099	0.25	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Cadmium	0.068	J	0.030	0.25	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Calcium	73.4	J	5.0	248	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Chromium	10.7		0.0099	0.50	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Cobalt	0.90	J	0.030	2.5	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Copper	58.4		0.079	1.2	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Iron	15100		1.1	9.9	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Lead	27.7		0.11	0.50	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Magnesium	458		1.7	248	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Manganese	26.8		0.045	0.74	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Molybdenum	0.91		0.030	0.50	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Nickel	3.8		0.074	2.0	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Potassium	236	J	11.4	248	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Selenium	1.4	J	0.16	1.7	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Sodium	19.7	J	2.5	248	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Thallium	0.14	J	0.094	1.2	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Vanadium	20.4		0.040	2.5	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW6010B	Zinc	8.6		0.030	0.99	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW7471A	Mercury	0.026	J	0.0021	0.031	MG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW8270C	Benzyl alcohol	330		16.0	330	UG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW8270C	Diethyl Phthalate	22.0	J	15.0	330	UG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW8330	2,4,6-Trinitrotoluene	8420		6.4	96.7	UG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW8330	2-Amino-4,6-dinitrotoluene	415		6.8	96.7	UG/KG
SSJ3B14	TT101911J3B01_POC	11/08/2011	SW8330	4-Amino-2,6-Dinitrotoluene	320		9.7	96.7	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Aluminum	3190		4.0	28.8	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Antimony	0.71	J	0.55	8.6	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Arsenic	3.8		0.30	1.4	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Barium	9.2	J	0.91	28.8	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.10	J	0.029	0.72	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Boron	1.2	J	0.26	14.4	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Calcium	278	J	14.4	720	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Chromium	5.2		0.029	1.4	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Cobalt	0.96	J	0.086	7.2	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Copper	8.9		0.23	3.6	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Iron	23700		3.3	28.8	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Lead	23.1		0.32	1.4	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Magnesium	307	J	5.0	720	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Manganese	69.3		0.13	2.2	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.81	J	0.086	1.4	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Nickel	5.4	J	0.22	5.8	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Potassium	176	J	33.1	720	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Selenium	0.86	J	0.46	5.0	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Sodium	29.2	J	7.3	720	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Vanadium	23.5		0.12	7.2	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW6010B	Zinc	10.7		0.086	2.9	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW7471A	Mercury	0.072		0.0030	0.046	MG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8270C	Benzo(a)anthracene	22.0	J	21.0	540	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8270C	Benzoic acid	110	J	91.0	1300	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8270C	Benzyl butyl phthalate	39.0	J	32.0	540	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	120	J	34.0	540	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8270C	Chrysene	40.0	J	29.0	540	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8270C	Fluoranthene	58.0	J	19.0	540	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8270C	Phenanthrene	43.0	J	19.0	540	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8270C	Pyrene	60.0	J	23.0	540	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8330	2,4,6-Trinitrotoluene	66100		71.3	1080	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8330	2,4-Dinitrotoluene	690		17.3	108	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8330	2-Amino-4,6-dinitrotoluene	9850		7.6	108	UG/KG
SSJ3B14	TT101911J3B01_PRE	11/01/2011	SW8330	4-Amino-2,6-Dinitrotoluene	5680		10.8	108	UG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Aluminum	12700		1.4	10.1	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Arsenic	4.3		0.11	0.50	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Barium	12.8		0.32	10.1	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Beryllium	0.38		0.010	0.25	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Boron	1.3	J	0.090	5.0	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Cadmium	0.60		0.030	0.25	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Calcium	97.2	J	5.0	251	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Chromium	14.1		0.010	0.50	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Cobalt	2.7		0.030	2.5	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Copper	24.8		0.080	1.3	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Iron	13700		1.2	10.1	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Lead	15.1		0.11	0.50	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Magnesium	1540		1.8	251	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Manganese	61.5		0.045	0.75	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Molybdenum	0.53		0.030	0.50	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Nickel	6.8		0.075	2.0	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Potassium	437		11.6	251	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Selenium	0.82	J	0.16	1.8	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Sodium	23.8	J	2.6	251	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Vanadium	19.7		0.040	2.5	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW6010B	Zinc	34.8		0.030	1.0	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW7471A	Mercury	0.023	J	0.0020	0.030	MG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW8270C	Benzyl alcohol	560		16.0	330	UG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW8270C	Phenol	50.0	J	40.0	330	UG/KG
SSJ3B16	TT102411J3B01_PO	11/08/2011	SW8330	2,4,6-Trinitrotoluene	248		6.4	97.4	UG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Aluminum	15700		3.1	22.3	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Arsenic	5.6		0.23	1.1	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Barium	16.4	J	0.70	22.3	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Beryllium	0.44	J	0.022	0.56	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Boron	2.0	J	0.20	11.2	MG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-17B
J-3 Range Area 6
Barrage Rocket Area, Excavated Soil - Detected Sample Summary

Location	Sample ID	Date	Test	Analyte	Result	Qualifier	MDL	RL	Units
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Cadmium	0.094	J	0.067	0.56	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Calcium	84.7	J	11.2	558	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Chromium	17.5		0.022	1.1	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Cobalt	3.5	J	0.067	5.6	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Copper	4.5		0.18	2.8	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Iron	16000		2.6	22.3	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Lead	8.9		0.25	1.1	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Magnesium	1980		3.9	558	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Manganese	73.2		0.10	1.7	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Molybdenum	0.58	J	0.067	1.1	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Nickel	8.6		0.17	4.5	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Potassium	489	J	25.7	558	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Selenium	1.1	J	0.36	3.9	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Sodium	27.8	J	5.7	558	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Vanadium	24.2		0.089	5.6	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW6010B	Zinc	23.3		0.067	2.2	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW7471A	Mercury	0.018	J	0.0026	0.038	MG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW8270C	Benzyl butyl phthalate	30.0	J	26.0	430	UG/KG
SSJ3B16	TT102411J3B01_PRE	11/01/2011	SW8270C	bis(2-Ethylhexyl) Phthalate	39.0	J	27.0	430	UG/KG

J = Estimated
UJ = Estimated Non Detect

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 7-1
Comparison of Site-Wide Maximum Detected Concentrations in Groundwater to Screening Levels
J-3 Range

Analyte	Detection Frequency	FOD	Maximum Detected Concentration (ug/L)	Location of Maximum Detected Concentration	Date of Maximum Detected Concentration	Maximum Contaminant Level [a] (ug/L)	EPA Health Advisory (HA) for Drinking Water [b] (ug/L)	EPA Regional Screening Level for Tapwater [c] (ug/L)	MCP GW-1 Standard [d] (ug/L)
Explosives Compounds and Perchlorate									
1,3-Dinitrobenzene	1 / 1576	0.06%	1.2 J	MW-30	28-Oct-97	-	1	2.0	-
1,3,5-Trinitrobenzene	10 / 1576	0.6%	2.1 J	MW-30	28-Oct-97	-	-	590	-
2,4,6-Trinitrotoluene	13 / 1576	0.8%	29	MW-196S	28-Oct-04	-	2	2.5	-
2,4-Diamino-6-Nitrotoluene	1 / 1576	0.06%	0.36 J	MW-30	28-Oct-97	-	-	-	-
2,4-Dinitrotoluene (by 8330)	2 / 1576	0.1%	0.37 J	MW-196S	28-Oct-04	-	0.05	0.24	30
2-Amino-4,6-Dinitrotoluene	12 / 1576	0.8%	2.2	MW-196S	28-Oct-04	-	-	39	-
2-Nitrotoluene	1 / 1576	0.06%	0.37 J	MW-30	28-Oct-97	-	-	0.31	-
4-Nitrotoluene	1 / 1576	0.06%	0.8 J	MW-30	28-Oct-97	-	-	4.2	-
4-Amino-2,6-Dinitrotoluene	25 / 1576	1.6%	2.8	MW-196S	07-Nov-03	-	-	39	-
Hexahydro-1-Mononitroso-3,5-Dinitro-1,3,5-Triazine	8 / 112	7.1%	0.97	MW-198M3	05-Nov-03	-	-	-	-
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	440 / 1577	28%	38.2	MW-227M2	29-Jul-08	-	2	0.70	1
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	358 / 1576	23%	100	MW-196S	16-Jun-05	-	-	1,000	200
Picric Acid	3 / 1567	0.2%	1.3 J	MW-30	28-Oct-97	-	-	-	-
Perchlorate	669 / 1556	43%	770	MW-198M3	14-Jun-05	15 / 2	15	14	2
PAHs									
Naphthalene	4 / 276	1.4%	0.48 J	MW-190M1	18-Jul-02	-	100	0.17	140
VOCs/SVOCs									
4-Methylphenol (p-Cresol)	1 / 276	0.4%	0.92 J	MW-163S	05-Feb-02	-	-	1900	-
5-Nitro-o-Toluidene	1 / 254	0.4%	0.49 J	MW-227M2	06-Aug-02	-	-	-	-
bis(2-Ethylhexyl) Phthalate	77 / 276	28%	47	90WT0005	13-Jan-98	6	3	5.6	6
Diethyl Phthalate	4 / 276	1.4%	5.5	MW-190M1	15-Oct-02	-	30,000	15,000	2,000
Di-n-Butyl Phthalate	8 / 276	2.9%	1 J	MW-197M1	14-Feb-02 / 16-Jul-02	-	4,000	900	-
Di-n-Octyl Phthalate	2 / 276	0.7%	3.1 J	MW-237S	16-Oct-02	-	-	-	-
Phenol	1 / 276	0.4%	0.78 J	MW-197M1	05-Oct-04	-	2,000	5,800	1,000
1,2,4-Trichlorobenzene	2 / 207	1.0%	0.4 J	MW-144M1	15-Jun-01	70	70	1.1	70
2-Butanone (MEK)	1 / 188	0.5%	43 J	MW-157M1	03-May-01	-	4,000	5,600	4,000
Acetone	5 / 149	3.4%	14	MW-157M1	03-May-01	-	-	14,000	6,300
Bromodichloromethane	3 / 229	1.3%	3	MW-13D	31-Oct-97	80	90	0.13	3
Bromoform	1 / 229	0.4%	3	MW-13D	31-Oct-97	80	8	9.2	4
Chloroform	154 / 229	67%	16	MW-142S	12-Jun-01	80	70	0.22	70
Chloromethane	4 / 229	1.7%	0.4 J	MW-157M2 / MW-198M2	10-Oct-01 / 24-Jul-02	-	400	190	-
Dibromochloromethane	7 / 229	3.1%	4	MW-13D	31-Oct-97	80	60	0.17	2
Methylene Chloride	1 / 229	0.4%	0.6 J	MW-157M1	03-May-01	5	200	11	5
tert-Butyl Methyl Ether (MTBE)	5 / 200	2.5%	0.7	MW-190M1	31-Jan-02	-	-	14	70
Toluene	15 / 229	6.6%	3	MW-30	20-Nov-97	1,000	3,000	1,100	1,000
Xylenes, Total	4 / 229	1.7%	0.5 J	MW-30	19-Dec-01	10,000	7,000	190	10,000
Pesticides/Herbicides									
Aldrin	1 / 151	0.7%	0.0051 NJ	MW-196S	12-Jul-02	-	0.002	0.0046	0.5
Chloramben	9 / 130	6.9%	0.42 J	MW-163S	14-Jun-01	-	100	290	-
MCPP	2 / 154	1.3%	980 NJ	MW-143M1	07-Feb-01	-	30	16	-
Pentachlorophenol	2 / 150	1.3%	0.21	MW-152M2	12-Apr-01	1	0.09	0.040	1
alpha BHC (alpha Hexachlorocyclohexane)	1 / 150	0.7%	0.0098 NJ	MW-196S	12-Jul-02	-	-	0.0071	-
beta BHC (beta Hexachlorocyclohexane)	1 / 151	0.7%	0.0078 NJ	MW-157M2	14-Jan-02	-	-	0.025	-
gamma BHC (Lindane)	1 / 151	0.7%	0.0069 NJ	MW-196S	12-Jul-02	0.2	200	0.041	0.2
gamma-Chlordane	1 / 151	0.7%	0.016 NJ	MW-196S	12-Jul-02	2	4	0.22	2
p,p'-DDT	2 / 151	1.3%	0.11	MW-196M1	25-Oct-02	-	-	0.23	0.3
Endosulfan Sulfate	4 / 151	2.6%	0.022	MW-145M1	12-Feb-01	-	-	100	10
Heptachlor	2 / 151	1.3%	0.0084 NJ	MW-196S	12-Jul-02	0.4	0.008	0.0020	0.4
PCBs									
PCB-1260 (Arochlor 1260)	1 / 151	0.7%	0.48 N	MW-193S	11-Jul-02	0.5	0.1	0.039	0.5
Metals									
Aluminum	88 / 178	49%	5,950	MW-13D	26-Jan-98	-	-	20,000	-
Antimony	6 / 180	3.3%	3.6 J	MW-157D	03-May-01	6	6	7.8	6
Arsenic	10 / 178	5.6%	10.9	MW-152M1	16-Oct-01	10	0.02	0.052	10
Barium	132 / 178	74%	328	MW-197M1	16-Jul-02	2,000	7,000	3,800	2,000
Beryllium	17 / 178	9.6%	0.65	MW-13D	17-May-01	4	70	25	4
Boron	117 / 176	66%	25.4	MW-125S	23-Oct-00	-	7,000	4,000	-
Cadmium	7 / 178	3.9%	0.66	MW-155M2	18-Oct-01	5	5	9.2	5
Calcium	177 / 178	99%	16,000	MW-163S	14-Jun-01	-	-	-	-
Chloride (as Cl)	145 / 145	100%	151	MW-144S	18-Jun-01	-	-	-	-
Chromium, Total	22 / 178	12%	10.2	MW-13D	17-May-00	100	100	0.035	100
Cobalt	28 / 178	16%	6	MW-145S	12-Feb-01	-	-	6.0	-
Copper	41 / 178	23%	33.5 J	MW-13S	15-Dec-00	1,300	-	800	-
Iron	92 / 178	52%	7,930	MW-197M1	16-Jul-02	-	-	14,000	-
Lead	8 / 178	4.5%	7.4 J	MW-13D	26-Jan-98	15	-	-	15
Magnesium	177 / 178	99%	5,890	MW-144S	18-Jun-01	-	-	-	-
Manganese	167 / 178	94%	1,120	MW-145S	12-Feb-01	-	300	430	-
Mercury	5 / 177	2.8%	0.37	MW-132M1	09-Nov-00	2	2	0.63	2
Molybdenum	30 / 176	17%	30.4	MW-13D	26-Jan-98	-	40	100	-
Nickel	38 / 178	21%	12.1	MW-125S	06-Jun-01	-	100	390	100
Potassium	146 / 178	82%	7,550	MW-132S	09-Nov-00	-	-	-	-
Selenium	8 / 178	4.5%	4.8 J	MW-143M2	07-Feb-01	50	50	100	50
Silver	5 / 178	2.8%	2.7 J	MW-13S	27-Jan-98	-	100	94	100
Sodium	176 / 178	99%	77,200	MW-145S	04-Nov-03	-	-	-	-
Sulfate (as SO4)	145 / 145	100%	64.2	MW-144M1	08-Feb-01	-	-	-	-
Thallium	4 / 180	2.2%	6.2	MW-198M2	24-Jul-02	2	7	0.20	2
Vanadium	19 / 178	11%	7.6	MW-13D	17-May-00	-	-	86	8
Zinc	86 / 178	48%	152	MW-143M2	12-Jun-01	-	2,000	6,000	5,000
Inorganics									
Nitrogen, Ammonia (as N)	75 / 151	50%	330 J	MW-157D	08-Oct-01	-	30,000	-	-
Nitrogen, Nitrate-Nitrite	119 / 151	79%	9,900	MW-193S	11-Jul-02	1,000	10,000	2,000	-
Phosphorus, Total PO4 (as PO4)	94 / 151	62%	210	MW-125M1	20-Feb-01	-	-	-	-
Radionuclides									
Gross Alpha (pCi/L)	15 / 155	9.7%	8.2	MW-145S	02-Dec-02	15	-	-	-
Gross Beta (pCi/L)	97 / 97	100%	7.3 NV	MW-132S	16-Feb-01	-	-	-	-
Uranium-234 (pCi/L)	1 / 2	50%	0.072 J	MW-181S	09-Nov-01	-	-	0.75	-
Uranium-238 (pCi/L)	1 / 2	50%	0.19 J	MW-181S	09-Nov-01	-	-	0.61	-

Notes:

Yellow highlighting indicates those soil criteria that were exceeded by the maximum detected site-wide soil concentration.

- = Screening criterion not available.

Data set consists of all sampling events for the monitoring wells presented in Appendix B.

The following 112 wells are representative of the J-3 site: 90MP0059B, 90MW0004, 90MW0010, 90MW0011, 90MW0014, 90MW0022, 90MW0054, 90MW0063, 90MW0101A, 90MW0102A, 90PZ0201, 90PZ0204, 90PZ0208, 90PZ0211, 90WT0004, 90WT0005, J3-MW-1-B, J3-MW-1-C, MW-125M1, MW-125S, MW-132M1, MW-132S, MW-13D, MW-13S, MW-142M1, MW-142M2, MW-142S, MW-143M1, MW-143M2, MW-143M3, MW-144M1, MW-144M2, MW-144S, MW-145M1, MW-145S, MW-152M1, MW-152M2, MW-155M1, MW-155M2, MW-157D, MW-157M1, MW-157M2, MW-157M3, MW-163S, MW-169M1, MW-169M2, MW-171 M2, MW-171 M3, MW-171M1, MW-181S, MW-190M1, MW-190M2, MW-193M1, MW-193S, MW-194M1, MW-195S, MW-196M1, MW-196S, MW-197M1, MW-197M2, MW-197M3, MW-198M1, MW-198M2, MW-198M3, MW-198M4, MW-217M1, MW-217M2, MW-217M3, MW-217M4, MW-218M1, MW-218M2, MW-218M3, MW-227M1, MW-227M2, MW-227M3, MW-232M1, MW-232M2, MW-237M1, MW-237S, MW-243M1, MW-243M2, MW-243M3, MW-247M1, MW-247M2, MW-247M3, MW-250M1, MW-250M2, MW-250M3, MW-251M1, MW-251M2, MW-295M1, MW-295M2, MW-30, MW-329M1, MW-329M2, MW-343M1, MW-343M2, MW-343M3, MW-347D, MW-347M1, MW-347M2, MW-347S, MW-356M1, MW-356M2, MW-356S, MW-359M1, MW-359M2, MW-361M1, MW-361M2, MW-361M3, MW-364D, and MW-364M1.

Laboratory data validation qualifier codes used for the "Maximum Concentration" are as follows:

J = Detected Concentration

NJ = Estimated Concentration

"-" = No listed value.

(a) Federal Maximum Contaminant Level

The MCL for perchlorate is 15 ug/L. The MCP GW-1 Standard for perchlorate is also the Massachusetts MCL.

The MCL for total trihalomethanes is used for bromodichloromethane, bromoform, chloroform and dibromochloromethane.

The MCL for nitrate is 10,000 ug/L. Value shown is for nitrite which was conservatively chosen for screening purposes. (http://www.epa.gov/ogwdw000/pdfs/factsheets/ioc/tech/nitrates.pdf)

(b) HA is the Federal EPA Lifetime Health Advisory value (http://water.epa.gov/action/advisories/drinking/upload/dwstandards2012.pdf).

The HA shown is the Lifetime value. If no Lifetime value was available, the lower of the Drinking Water Equivalent Level (DWEL) or the $1x10^{-6}$ Cancer Risk level. If neither of these values was available, then the 10-Day acute concentration is shown.

MCPA used as a surrogate for the HA value for MCPP.

The HA shown is the 10-day HA for nitrate + nitrite.

(c) The USEPA Regional Screening Level (RSL), May, 2014. (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm)

Tapwater RSL for Chromium VI used as a surrogate for Chromium, Total.

Tapwater RSL for Endrin is used for Endrin Aldhyde.

Tapwater RSL for Endosulfan used as a surrogate for Endosulfan Sulfate.

The Tapwater RSL for nitrate is 32,000 ug/L. Value shown is for nitrite which was conservatively chosen for screening purposes.

Tapwater RSLs for radionuclides calculated using default residential values at http://epa-prgs.ornl.gov/cgi-bin/radionuclides/rprg_search. For U-238 the "+D" option was selected to include contribution from decay chain.

(d) MCP Method 1 GW-1 Standards, May 2014 (http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-regulations-and-standards.html).

MCP GW-1 Standard for Endosulfan used as a surrogate for Endosulfan Sulfate.

TABLE 7-2
Comparison of Maximum Concentrations in Soil to Screening Levels
J-3 Range - Area 1 - Melt / Pour Area

Analyte	Frequency of Detection	FOD	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Detected in Groundwater Above Screening Criteria?	MCP S-1/GW-1 Standard[a] (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL[b] (mg/kg)	MassDEP Leaching Based Soil Concentration[c] (mg/kg)	Background Value[d] (mg/kg)
Explosives Compounds and Perchlorate										
1,3-Diethyl-1,3-Diphenyl Urea	1 / 78	1.3%	0.48	J3SG190501XX (0.5-1)	Not Detected	-	-	-	-	-
2,4-Dinitrotoluene (by 8270)	1 / 83	1.2%	0.83	SS102VF (0-0.25)	Not Detected	0.7	0.020	0.00032	0.057	-
2,4-Dinitrotoluene (by 8330)	1 / 121	0.8%	0.18	SSJ3S003 (0-0.25)	Yes	0.7	0.020	0.00032	0.057	-
2,6-Dinitrotoluene (by 8270)	1 / 83	1.2%	0.17 J	SS102VF (0-0.25)	Not Detected	-	0.009	0.000067	-	-
2-Nitrotoluene	1 / 121	0.8%	0.16	SS102YM (0-0.25)	Yes	-	0.002	0.00029	-	-
PAHs										
Benzo(a)anthracene	3 / 83	4%	0.075 J	J3SG261501XX (1.5-2)	Not Detected	7	0.037	0.012	-	2
Benzo(a)pyrene	4 / 83	5%	0.07 J	J3SG261501XX (1.5-2)	Not Detected	2	0.20	0.0040	-	2
Benzo(b)fluoranthene	3 / 83	4%	0.1 J	J3SG261501XX (1.5-2)	Not Detected	7	0.11	0.041	-	2
Benzo(g,h,i)perylene	3 / 83	4%	0.047 J	J3SG191501XX (1.5-2)	Not Detected	1000	554	-	-	1
Benzo(k)fluoranthene	3 / 83	4%	0.12 J	J3SG261501XX (1.5-2)	Not Detected	70	0.11	0.40	-	1
Chrysene	5 / 83	6%	0.12 J	J3SG261501XX (1.5-2)	Not Detected	70	3.4	1.2	-	2
Dibenz(a,h)anthracene	1 / 83	1.2%	0.018 J	J3SG191501XX (1.5-2)	Not Detected	0.7	0.038	0.013	-	0.5
Fluoranthene	7 / 83	8%	0.14 J	J3SG191501XX (1.5-2)	Not Detected	1000	108	89	-	4
Indeno(1,2,3-cd)pyrene	2 / 83	2%	0.047 J	J3SG191501XX (1.5-2)	Not Detected	7	0.32	0.24	-	1
Naphthalene	1 / 83	1.2%	0.052 J	SSJ3S003 (0-0.25)	No	4	0.014	0.00054	4.48	0.5
Phenanthrene	7 / 83	8%	0.14 J	SSJ3S003 (0-0.25)	Not Detected	10	48	-	10.9	3
Pyrene	9 / 83	11%	0.14 J	SSJ3S003 (0-0.25)	Not Detected	1000	19	13	-	4
VOCs/SVOCs										
Acetone	5 / 9	56%	0.039 J	BH-25 (10-12)	No	6	0.11	2.9	6.3	-
Benzoic Acid	15 / 82	18%	1.8	J3SG200501XX (0.5-1)	Not Detected	-	-	18	-	-
Bis(2-Ethylhexyl) Phthalate	19 / 79	24%	0.17 J	SS102VC (0-0.25)	Yes	90	72	1.3	-	-
Bromoform	5 / 9	56%	0.002 J	BH-24 (5-7) / BH-25 (10-12)	No	0.1	0.0022	0.0024	0.007	-
Di-n-Butyl Phthalate	5 / 83	6%	1	SS102VF (0-0.25)	No	-	151	2.3	-	-
2-Butanone (MEK)	6 / 9	67%	0.007 J	BH-25 (10-12)	No	4	0.34	1.2	4	-
N-Nitrosodiphenylamine	1 / 83	1.2%	0.07 J	SS102VF (0-0.25)	Not Detected	-	0.0078	0.066	-	-
Phenol	3 / 83	4%	0.028 J	J3SG190001XX (0-0.5)	Not Detected	1	0.77	3.3	0.95	-
Trichloroethene (TCE)	1 / 9	11%	0.0007 J	MW-195 (10-12)	Not Detected	0.3	0.0005	0.00018	0.28	-
Toluene	1 / 9	11%	0.001 J	BH-25 (5-7)	No	30	0.27	0.76	32	-
Pesticides/Herbicides										
beta BHC (beta Hexachlorocyclohexane)	1 / 9	11%	0.9 J	(5-7)	No	-	0.00020	0.00014	-	-
Metals										
Aluminum	80 / 80	100%	17700	J3SG140001XX (0-0.5)	No	-	54006	30000	-	16000
Antimony	24 / 80	30%	1.9 J	J3SG200501XX (0.5-1)	No	20	0.27	0.35	-	1.9
Arsenic	76 / 80	95%	6.6	SSJ3MTP001 (0-0.2)	Yes	20	0.0090	0.0015	-	5.5
Barium	73 / 80	91%	34.4	SSJ3MTP001 (0-0.2)	No	1000	120	160	-	24
Beryllium	73 / 80	91%	0.57	J3SG200501XX (0.5-1)	No	90	2.6	19	-	0.38
Boron	52 / 77	68%	12.3	SS102YI (0.5-1)	No	-	9.5	13	-	9.6
Cadmium	45 / 80	56%	0.6 J	J3SG140001XX (0-0.5)	No	70	0.40	0.69	-	0.94
Calcium	56 / 80	70%	1130	SS102VF (0-0.5)	No	-	-	-	-	-
Chromium	59 / 80	74%	20.3	SS102YI (0.5-1)	Yes	100	7.0	180,000	-	19
Cobalt	78 / 80	98%	5.8 J	J3SG230501XX (0.5-1)	Yes	-	132	0.27	-	4
Copper	52 / 83	63%	227	SS102VF (0-0.25)	No	-	46	28	-	11
Iron	80 / 80	100%	21400	SS102YI (0.5-1)	No	-	2422	350	-	17800
Lead	63 / 83	76%	106	SSJ3MTP001 (0-0.2)	No	200	4.1	14	-	19
Magnesium	80 / 80	100%	2950	J3SG250501XX (0.5-1)	No	-	-	-	-	2010
Manganese	80 / 80	100%	167	MW-30 (20-22)	Yes	-	44	28	-	134
Mercury	25 / 80	31%	0.096	SS102YL (0-0.25)	No	20	0.020	0.033	-	0.12
Molybdenum	14 / 77	18%	1.3	MW-195 (20-22)	No	-	0.18	2.0	-	1.2
Nickel	61 / 80	76%	9.3 J	J3SG211501XX (1.5-2)	No	600	292	26	-	10
Potassium	80 / 80	100%	967	SS102VC (0-0.25)	No	-	-	-	-	766
Selenium	25 / 80	31%	1.3	SS102YI (0-0.25)	No	400	2.76	0.52	-	1.7
Silver	13 / 60	22%	0.88 J	J3SG200501XX (0.5-1)	No	100	16	0.8	-	0.74
Sodium	9 / 80	11%	401 J	J3SG181501XX (1.5-2)	No	-	-	-	-	-
Thallium	3 / 80	4%	1.3 J	J3SG191501XX (1.5-2)	Yes	8	3.0	0.014	-	1.6
Vanadium	80 / 80	100%	40.7	SSJ3MTP001 (0-0.2)	No	400	260	86	-	28.8
Zinc	50 / 80	63%	78.2	SS102VC (0-0.25)	No	1000	2202	370	-	25.6
Inorganics										
Cyanide	1 / 33	3%	1.8	SSJ3MTP002 (0-0.2)	Not Detected	30	0.0011	0.015	-	-
Nitrogen, Ammonia (as N)	1 / 121	1%	9.9	BH-24 (5-7)	No	-	-	-	-	-
Nitrogen, Nitrate-Nitrite	10 / 11	91%	0.11 J	BH-23 (5-9)	Yes	-	-	-	-	0.5
Phosphorus, Total PO4 (as PO4)	8 / 11	73%	136	BH-23 (5-9)	No	-	-	-	-	291
Radionuclies										
Uranium-234 (pCi/g)	7 / 7	100%	0.58	BH-24 (10-12)	No	-	-	0.0090	-	-
Uranium-235 (pCi/g)	4 / 7	57%	0.095	BH-25 (5-7)	Not Detected	-	-	0.0088	-	-
Uranium-238 (pCi/g)	4 / 7	57%	0.58 J	BH-24 (5-7)	No	-	-	0.0073	-	-

Notes:
Yellow highlighting indicates those soil criteria that were exceeded by the maximum detected site-wide soil concentration.
- = Screening criterion not available.
Laboratory data validation qualifier codes used for the "Maximum Concentration" are as follows:
J = Detected Concentration
NJ = Estimated Concentration
"-" = No listed value.
(a) MCP Method 1 S-1/GW-1 Standards, May 2014 (http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-regulations-and-standards.html).
MCP S-1/GW-1 standard for Tungsten is an Interim Risk-Based Soil Concentration developed by the MassDEP Office of Research and Standards (MassDEP, 2012).
MCP standards for Chromium VI conservatively used as a surrogate for Chromium, Total.
(b) The USEPA Regional Screening Level (RSL), May, 2014. (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm)
EPA MCL-Based SSL for Chromium used as the Risk-Based SSLs are specific to either Chromium III or Chromium VI.
EPA MCL-Based SSL for Lead used as there is no Risk-Based SSL for this compound.
EPA Risk-Based SSL for Nickel, soluable Salts used as a surrogate for Nickel.
EPA Risk-Based SSL for Thallium, Soluable Salts used as a surrogate for Thallium.
EPA Risk-Based SSLs for radionuclides calculated using default residential values at http://epa-prgs.ornl.gov/cgi-bin/radionuclides/rprg_search. For U-235 and U-238 the "+D" option was selected to include contribution from decay chain.
(c) MassDEP Leaching-Based Soil Concentrations (GW-1) were not used as screening criteria, but for comparison purposes only. MCP Numerical Standards Development Spreadsheets, May 2014 (http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-regulations-and-standards.html).
(d) J-3 Range is situated within the Buzzard's Bay Outwash. The outwash background values included the maximum of the 0-2 ft depth interval and were not used as screening criteria, but for comparison purposes only. Values listed for PAHs were obtained from MassDEP's Technical Update: Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil (MassDEP, 2002).

mg/Kg = milligram per Kilogram

TABLE 7-3
Comparison of Maximum Concentrations in Soil to Screening Levels
J-3 Range - Area 2 - 20mm / 30mm Range and Workshop Building, Burn Kettle / Conex Area

Analyte	Frequency of Detection	FOD	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Detected in Groundwater Above Screening Criteria?	MCP S-1/GW-1 Standard[a] (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL[b] (mg/kg)	MassDEP Leaching Based Soil Concentration[c] (mg/kg)	Background Value[d] (mg/kg)
PEP Compounds										
2,4-Dinitrotoluene (by 8270)	2 / 95	2%	0.47	SS102DA (0-0.25)	Not Detected	0.7	0.020	0.00032	0.057	-
2,4-Dinitrotoluene (by 8330)	5 / 108	5%	0.62	SS102DA (0-0.25)	Yes	0.7	0.020	0.00032	0.057	-
2-Amino-4,6-Dinitrotoluene	2 / 108	2%	0.11	SSJ303 (0-0.25)	No	-	0.020	0.030	0.057	-
4-Amino-2,6-Dinitrotoluene	2 / 108	2%	0.081	SSJ303 (0-0.25)	No	-	0.00038	0.030	-	-
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	1 / 108	0.9%	0.017	SSJ302 (0-0.25)	Yes	1.0	0.00011	0.00027	0.0017	-
Nitrogylcerin	2 / 108	2%	11 J	SS102DA (0-0.25)	Not Detected	4.4	0.0010	0.00085	-	-
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	1 / 108	0.9%	1.3	SS102C1 (0-0.5)	No	2	0.321	1.30	2	-
Tetryl	1 / 108	0.9%	0.042	SSJ303 (0-0.25)	Not Detected	-	0.06366	0.37	-	-
PAHs										
2-Methylnaphthalene	1 / 97	1.0%	0.032 J	SSJ303 (0-0.25)	Not Detected	0.7	0.0723	0.19	0.7	0.5
Benzo(a)anthracene	1 / 97	1.0%	0.048 J	SS15020-A (0-0.25)	Not Detected	7	0.037	0.012	-	2
Benzo(k)fluoranthene	2 / 97	2%	0.066 J	SS15020-A (0-0.25)	Not Detected	70	0.11	0.40	-	1
Chrysene	2 / 97	2%	0.079 J	SS15020-A (0-0.25)	Not Detected	70	3.4	1.2	-	2
Naphthalene	1 / 97	1.0%	0.076 J	SSJ303 (0-0.25)	No	4	0.014	0.00054	4.48	0.5
VOCs/SVOCs										
1,1-Dichloroethene	1 / 69	1.4%	0.015 J	SS102C3 (0-0.25)	Not Detected	3	-	0.10	3	-
2-Methylphenol (o-Cresol)	1 / 4	25%	0.038 J	SSJ303 (0-0.25)	No	-	0.47	0.75	-	-
2-Nitroaniline	1 / 95	1.1%	0.018 J	SS102EA (0.5-1)	Not Detected	-	-	0.080	-	-
2-Nitrodiphenylamine	1 / 95	1.1%	0.17 J	SS102DA (0-0.25)	Not Detected	-	-	-	-	-
4-Nitrophenol	1 / 160	0.6%	0.15 NJ	SS102W2 (0-0.5)	Not Detected	-	-	-	-	-
Acetone	68 / 69	99%	1.1 J	SS102C3 (0-0.25)	No	6	0.11	2.9	6.3	-
Benzene	5 / 68	7%	0.003 J	SS102EB (0-0.25,0.5-1)	Not Detected	2	0.00010	0.00023	1.5	-
Benzoic Acid	10 / 95	11%	0.81 J	SS102EB (0-0.25)	Not Detected	-	-	18	-	-
Bis(2-Ethylhexyl) Phthalate	16 / 91	18%	0.13 J	SS102C2 (0-0.5)	Yes	90	72	1.3	-	-
Bromoform	3 / 68	4%	0.002 J	SS102C2 (0-0.5)	No	0.1	0.0022	0.0024	0.007	-
Bromomethane	4 / 69	6%	0.005 J	SS102C3 (0-0.25)	Not Detected	0.5	0.0018	0.0019	0.05	-
Carbon Disulfide	1 / 69	1.4%	0.044 J	SS102C3 (0-0.25)	Not Detected	-	0.41	0.24	-	-
Chloromethane	2 / 69	3%	0.011 J	SS102C3 (0-0.25)	No	-	0.00040	0.049	-	-
Di-n-Butyl Phthalate	4 / 95	4%	4	SS102DA (0-0.25)	No	-	151	2.3	-	-
Ethylbenzene	2 / 68	3%	0.002 J	SS102EB (0-0.25)	Not Detected	40	1.9	0.0017	44.8	-
2-Butanone (MEK)	62 / 69	90%	0.3 J	SS102C3 (0-0.25)	No	4	0.34	1.2	4	-
N-Nitrosodiphenylamine	3 / 95	3%	1.2	SS102DA (0-0.25)	Not Detected	-	0.0078	0.066	-	-
Phenol	4 / 95	4%	2.4	SS102EB (0.25-0.5)	Not Detected	1	0.77	3.3	0.95	-
Toluene	37 / 69	54%	0.16 J	SS102C3 (0-0.25)	No	30	0.27	0.76	32	-
Total 1,2-Dichloroethene	2 / 66	3%	2.3 J	SS102C3 (0-0.25)	Not Detected	0.3	-	0.011	0.3	-
Vinyl Chloride	1 / 69	1.4%	0.006 J	SS102C3 (0-0.25)	Not Detected	0.6	-	0.0000065	0.9	-
Xylenes, Total	2 / 68	3%	0.001 J	SS102EB (0.5-1)	No	400	0.81	0.19	400	-
Pesticides/Herbicides										
Acifluorfen	2 / 52	4%	0.007 NJ	SS102EA (0-0.25)	Not Detected	-	0.00011	-	-	-
alpha Endosulfan	1 / 65	2%	0.002 NJ	SS102EC (0-0.25)	Not Detected	0.5	1.32	1.4	0.54	-
alpha-Chlordane	1 / 65	2%	0.003 J	SS102C1 (0-0.5)	Not Detected	5	0.00038	0.015	-	-
Chloramben	1 / 51	2%	0.0071 J	SS102EB (0.25-0.5)	Not Detected	-	0.12	0.070	-	-
delta BHC (delta Hexachlorocyclohexane)	1 / 65	2%	0.0021 J	SS102C3 (0-0.25)	Not Detected	-	-	-	-	-
Dieldrin	1 / 65	2%	0.0052 NJ	SS102EC (0-0.25)	Not Detected	0.08	0.00080	0.000069	-	-
Endrin	1 / 65	2%	0.026 J	SS102C1 (0-0.5)	Not Detected	10	0.19	0.092	-	-
Endrin Ketone	1 / 65	2%	0.012 NJ	SS102EA (0-0.25)	Not Detected	10	0.19	0.092	-	-
gamma-Chlordane	1 / 65	2%	0.003 J	SS102C1 (0-0.5)	No	5	0.000038	0.015	-	-
p,p'-DDD	4 / 65	6%	0.013	SS102EC (0-0.25)	Not Detected	8	0.28	0.0072	-	-
p,p'-DDE	5 / 65	8%	0.0078 J	SS102C3 (0-0.25)	Not Detected	6	0.88	0.054	-	-
p,p'-DDT	5 / 65	8%	0.016 J	SS102C1 (0-0.5)	No	6	0.53	0.077	-	-
Picloram	1 / 35	3%	0.0056 J	SS102EB (0.25-0.5)	Not Detected	-	0.088	0.38	-	-
PCBs										
PCB-1260 (Arochlor 1260)	1 / 65	2%	0.023 J	SS102C1 (0-0.5)	Yes	1	0.01	0.027	-	-
Metals										
Aluminum	104 / 104	100%	35,000	SS15019-A (0-0.25)	No	-	54,006	30,000	-	16,000
Antimony	33 / 104	32%	6.6 J	SS102EB (0-0.25)	No	20	0.27	0.35	-	1.9
Arsenic	97 / 104	93%	12.6	SS15019-A (0-0.25)	Yes	20	0.0090	0.0015	-	5.5
Barium	104 / 104	100%	70.3	SS15017-A (0.5-1)	No	1,000	120	160	-	24
Beryllium	99 / 104	95%	0.93	SS15019-A (0-0.25)	No	90	2.6	19	-	0.38
Boron	64 / 104	62%	19.8	SS102EB (0-0.25)	No	-	9.5	13	-	9.6
Cadmium	58 / 104	56%	5.1	SS102EB (0.5-1)	No	70	0.40	0.69	-	0.94
Calcium	99 / 104	95%	1,600	SS15020-A (0-0.25)	No	-	-	-	-	-
Chromium	104 / 104	100%	203	SS102EB (0-0.25)	Yes	100	7.0	180,000	-	19
Cobalt	104 / 104	100%	9.8	SS15017-A (0-0.25)	Yes	-	132	0.27	-	4
Copper	114 / 115	99%	755	SSJ303 (0-0.25)	No	-	46	28	-	11
Iron	104 / 104	100%	130,000 J	SS102EB (0-0.25)	No	-	2422	350	-	17,800
Lead	104 / 104	100%	184	SS102C1 (0-0.5)	No	200	4.1	14	-	19
Magnesium	104 / 104	100%	4,760	SS15020-A (0-0.25)	No	-	-	-	-	2,010
Manganese	104 / 104	100%	1570	SS15017-A (0.5-1)	Yes	-	44	28	-	134
Mercury	19 / 104	18%	0.95	SS102C3 (0-0.25)	No	20	0.020	0.033	-	0.12
Molybdenum	49 / 104	47%	85.2	SS102EB (0-0.25)	No	-	0.18	2.0	-	1.2
Nickel	103 / 104	99%	964	SS102EB (0-0.25)	No	600	292	26	-	10
Potassium	89 / 104	86%	2,020	SS102C3 (0-0.25)	No	-	-	-	-	766
Selenium	20 / 104	19%	1.4 J	SS15021-A (0.5-1)	No	400	2.76	0.52	-	1.7
Silver	4 / 104	4%	96.2	SS102C1 (0-0.5)	No	100	16	0.8	-	0.74
Sodium	8 / 104	8%	552 J	SS15115-A (0-0.5)	No	-	-	-	-	-
Thallium	18 / 104	17%	5.9 J	SS102EB (0.25-0.5)	Yes	8	3.0	0.014	-	1.6
Vanadium	104 / 104	100%	64.3	SS15019-A (0-0.25)	No	400	260	86	-	28.8
Zinc	104 / 104	100%	493	SSJ303 (0-0.25)	No	1,000	2,202	370	-	25.6
Inorganics										
Nitrogen, Ammonia (as N)	63 / 65	97%	406	SS102C3 (0-0.25)	No	-	-	-	-	-
Nitrogen, Nitrate-Nitrite	51 / 63	81%	0.55	SS102VK (0.25-0.5)	Yes	-	-	-	-	0.5
Phosphorus, Total PO4 (as PO4)	65 / 65	100%	764	SS102C3 (0-0.25)	No	-	-	-	-	291

Notes:

Yellow highlighting indicates those soil criteria that were exceeded by the maximum detected site-wide soil concentration.

- = Screening criterion not available.

Laboratory data validation qualifier codes used for the "Maximum Concentration" are as follows:

J = Detected Concentration

NJ = Estimated Concentration

"-" = No listed value.

(a) MCP Method 1 S-1/GW-1 Standards, May 2014 (http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-regulations-and-standards.html).
The value shown for MCP S-1/GW-1 standard for nitroglycerin is a calculated value using the provisional oral reference dose (1E-4 mg/kg-day) and the default exposure parameters of the S-1 direct contact standards.
MCP S-1/GW-1 standard for Tungsten is an Interim Risk-Based Soil Concentration developed by the MassDEP Office of Research and Standards (MassDEP, 2012)
MCP standards for Chromium VI conservatively used as a surrogate for Chromium, Total.
MCP standards for total-1,2-dichloroethyene based on the lower of cis-1,2-DCE or trans-1,2-DCE values.
MCP standards for Endosulfan used as a surrogate for alpha Endosulfan.
MCP standards for Endrin used as a surrogate for Endrin Ketone.
MCP standards for Chlordane used as a surrogate for alpha Chlordane.

(b) The USEPA Regional Screening Level (RSL), May, 2014. (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm)
EPA MCL-Based SSL for Chromium used as the Risk-Based SSLs are specific to either Chromium III or Chromium VI.
EPA MCL-Based SSL for Lead used as there is no Risk-Based SSL for this compound.
EPA Risk-Based SSL for Nickel, soluable Salts used as a surrogate for Nickel.
EPA Risk-Based SSL for Thallium, Soluable Salts used as a surrogate for Thallium.
EPA Risk-Based SSL for Endosulfan used as a surrogate for alpha Endosulfan.
EPA Risk-based SSL for Endrin used as a surrogate for Endrin Ketone.
EPA Risk-based SSL for Chlordane used as a surrogate for alpha Chlordane.
EPA Risk-based SSL for cis-1,2-dichloroethylene used as a surrogate for Total Dichloroethylene.

(c) MassDEP Leaching-Based Soil Concentrations (GW-1) were not used as screening criteria, but for comparison purposes only. MCP Numerical Standards Development Spreadsheets, May 2014 (http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-regulations-and-standards.html).

(d) J-3 Range is situated within the Buzzard's Bay Outwash. The outwash background values included the maximum of the 0-2 ft depth interval and were not used as screening criteria, but for comparison purposes only. Values listed for PAHs were obtained from MassDEP's Technical Update: Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil (MassDEP, 2002).

mg/Kg = milligram per Kilogram

TABLE 7-4
Comparison of Maximum Concentrations in Soil to Screening Levels
J-3 Range - Area 3 - Artillery Range, Demolition Area and Explosive Storage Bunker

Analyte	Frequency of Detection	FOD	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Detected in Groundwater Above Screening Criteria?	MCP S-1/GW-1 Standard[a] (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL[b] (mg/kg)	MassDEP Leaching Based Soil Concentration[c] (mg/kg)	Background Value[d] (mg/kg)
Explosives Compounds and Perchlorate										
1,3-Diethyl-1,3-Diphenyl Urea	1 / 287	0.3%	0.053 J	SS102N2 (0.25-0.5)	Not Detected	-	-	-	-	-
2,4-Dinitrotoluene (by 8270)	6 / 295	2.0%	0.4	SS102G2 (0-0.25)	Not Detected	0.7	0.020	0.00032	0.057	-
2,4-Dinitrotoluene (by 8330)	3 / 379	0.8%	0.031	SS15203-A (0-0.2)	Yes	0.7	0.020	0.00032	0.057	-
2,4,6-Trinitrotoluene	6 / 379	1.6%	0.18	SS15098-A (0-2)	Yes	32	0.00021	0.015	-	-
2-Amino-4,6-Dinitrotoluene	5 / 379	1.3%	0.39	SS15206-A (0-0.2)	No	-	0.020	0.030	0.057	-
2,6-Dinitrotoluene (by 8270)	1 / 295	0.1%	0.032 J	SS102G2 (0-0.25)	Not Detected	-	0.009	0.000067	-	-
4-Amino-2,6-Dinitrotoluene	3 / 379	0.8%	0.25	SS15206-A (0-0.2)	No	-	0.00038	0.030	-	-
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	4 / 379	1.1%	0.34	ECCBPJ301 (8-8.25)	Yes	1.0	0.00011	0.00027	0.0017	-
Nitroglycerin	1 / 380	0.3%	0.047 TI	SS102YE (0-0.25)	Not Detected	4.4	0.0010	0.00085	-	-
Perchlorate	20 / 236	0.3%	0.033	SS15213-A (0-0.2)	No	0.1	0.0031	-	0.002	-
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	1 / 379	0.3%	25	SS15030-E (0-0.25)	Yes	2	0.321	1.30	2	-
Tetryl	2 / 378	0.5%	0.14	SS102UH (0.25-0.5)	Not Detected	-	0.06366	0.37	-	-
PAHs										
2-Methylnaphthalene	1 / 297	0.3%	0.056 J	SS15038-A (0-0.25)	Not Detected	0.7	0.0723	0.19	0.7	0.5
Acenaphthylene	1 / 297	0.3%	0.047 J	SS15098-A (0-2)	Not Detected	1	0.0676	-	1	0.5
Benzo(a)anthracene	6 / 297	2%	0.16 J	SS102IC (0.5-1)	Not Detected	7	0.037	0.012	-	2
Benzo(a)pyrene	6 / 297	2%	0.1 J	2IC (0.5-1) / SS102LA (0.2	Not Detected	2	0.20	0.0040	-	2
Benzo(b)fluoranthene	8 / 297	3%	0.15 J	2IC (0.5-1) / SS102LA (0.2	Not Detected	7	0.11	0.041	-	2
Benzo(g,h,i)perylene	4 / 297	1.3%	0.07 J	SS102LA (0.25-0.5)	Not Detected	1,000	554	-	-	1
Benzo(k)fluoranthene	8 / 297	3%	0.17 J	SS102LA (0.25-0.5)	Not Detected	70	0.11	0.40	-	1
Chrysene	11 / 297	4%	0.18 J	SS102IC (0.5-1)	Not Detected	70	3.4	1.2	-	2
Dibenz(a,h)anthracene	3 / 297	1.0%	0.05 J	SS102LA (0.25-0.5)	Not Detected	0.7	0.038	0.013	-	0.5
Fluoranthene	13 / 297	4%	0.26	SS102LA (0.25-0.5)	Not Detected	1,000	108	89	-	4
Indeno(1,2,3-cd)pyrene	4 / 297	1.3%	0.082 J	SS102LA (0.25-0.5)	Not Detected	7	0.32	0.24	-	1
Naphthalene	2 / 297	0.7%	0.056 J	SS15038-A (0-0.25)	No	4	0.014	0.00054	4.48	0.5
Phenanthrene	8 / 297	3%	0.069	SS15098-A (0-2)	Not Detected	10	48	-	10.9	3
Pyrene	13 / 297	4%	0.22 J	SS102LA (0.25-0.5)	Not Detected	1,000	19	13	-	4
VOCs/SVOCs										
1,4-bis(p-Toluidino)Anthraquinone	4 / 24	16.7%	0.062 J	SS102NAA (0.5-1)	Not Detected	-	-	-	-	-
1,4-Diamino-2,3-Dihydroanthraquinone	1 / 27	3.7%	0.078 J	SS102PD (0.25-0.5)	Not Detected	-	-	-	-	-
2-Hexanone	1 / 141	0.7%	0.0006 J	SS102LD (0.25-0.5)	Not Detected	-	-	0.0088	-	-
Acetone	125 / 141	89%	0.43 J	SS102GA (0-0.25)	No	6	0.11	2.9	6.3	-
Acetophenone	1 / 1	100%	0.41 TI	SSJ3D5001 (0-0.2)	Not Detected	-	-	0.58	-	-
Benzene	7 / 143	5%	0.002 J	N2 (0-0.25) / (SS102IK (0.2	Not Detected	2	0.00010	0.00023	1.5	-
Benzoic Acid	28 / 293	10%	8.1 E	SS15204-A (0-0.2)	Not Detected	-	-	18	-	-
Benzyl Alchohol	2 / 293	0.7%	0.11 J	SS15207-A (0-0.2)	Not Detected	-	-	0.48	-	-
Benzyl Butyl Phthalate	1 / 295	0.3%	0.53	SS15030-E (0.25-0.5)	Not Detected	-	491	300	-	-
Bis(2-Ethylhexyl) Phthalate	68 / 295	23%	8.6 J	SS102LB (0.25-0.5)	Yes	90	72	1.3	-	-
Bromoform	16 / 141	11%	0.002 J	H (1.5-2) / SS102IC (0-0.2	No	0.1	0.0022	0.0024	0.007	-
Bromomethane	19 / 141	13%	0.02	SS102N1 (0-0.25)	Not Detected	0.5	0.0018	0.0019	0.05	-
Carbon Disulfide	7 / 141	5%	0.002 J	SS102UI (1.5-2)	Not Detected	-	0.41	0.24	-	-
Chloromethane	4 / 141	3%	0.004 J	SS102NB (0-0.25)	No	-	0.00040	0.049	-	-
Di-n-Butyl Phthalate	30 / 295	10%	2.4	SS102N2 (0-0.25)	No	-	151	2.3	-	-
Ethylbenzene	1 / 143	0.7%	0.0063 J	SSJ3DA001 (sidewall east)	Not Detected	40	1.9	0.0017	44.8	-
2-Butanone (MEK)	139 / 141	99%	0.038	SS102IK (0-0.25)	No	4	0.34	1.2	4	-
N-Nitrosodiphenylamine	8 / 295	3%	0.25 J	SS102NB (0.5-1)	Not Detected	-	0.0078	0.066	-	-
Pentachlorophenol	5 / 353	1%	0.092 J	SS102YD (0.25-0.5)	Not Detected	3	0.0004	0.0004	0.008	-
Phenol	5 / 295	2%	0.11	SSJ3D5001 (0-0.2)	Not Detected	1	0.77	3.3	0.95	-
Toluene	47 / 143	33%	0.0081 J	SSJ3DA001 (sidewall east)	No	30	0.27	0.76	32	-
Xylenes, Total	2 / 143	1.4%	0.13	SSJ3DA001 (sidewalls)	No	400	0.81	0.19	400	
Pesticides/Herbicides										
alpha Endosulfan	1 / 139	0.7%	0.0011 NJ	SS102MA (0.25-0.5)	Not Detected	0.5	1.32	1.4	0.50	-
beta BHC (beta Hexachlorocyclohexane)	1 / 139	0.7%	0.001	SS102PD (0.25-0.5)	No	-	0.00020	0.00014	-	-
Chloramben	3 / 121	2%	0.026 NJ	SS102IN (0-0.25)	Not Detected	-	0.12	0.070	-	-
delta BHC (delta Hexachlorocyclohexane)	3 / 139	2%	0.0019 J	SS102GA (0-0.25)	Not Detected	-	-	-	-	-
Dieldrin	1 / 139	0.7%	0.0026 J	SS102NB (0-0.25)	Not Detected	0.05	0.00080	0.000069	-	-
Endrin Aldehyde	1 / 139	0.7%	0.0024 J	SS102IK (0.5-1)	Not Detected	10	0.19	0.092	-	-
Endrin Ketone	2 / 139	1.4%	0.0047 J	SS102IK (0.5-1)	Not Detected	10	0.19	0.092	-	-
gamma-Chlordane	1 / 139	0.7%	0.0013 J	SS102GA (0-0.25)	No	5	0.000038	0.015	-	-
Heptachlor	1 / 139	0.7%	0.0013 J	SS102IM (0-0.25)	Yes	0.3	0.021	0.00016	-	-
Heptachlor Epoxide	1 / 139	0.7%	0.0012 J	SS102IK (0-0.25)	Not Detected	0.1	0.0061	0.000078	-	-
MCPP	3 / 140	2%	40 J	SS102MA (0.5-1)	Yes	-	0.050	0.0046	-	-
Methoxychlor	1 / 139	0.7%	0.014 J	SS102IK (0.5-1)	Not Detected	200	4.0	2.0	-	-
p,p'-DDD	2 / 139	1.4%	0.0046	SS102IC (0.5-1)	Not Detected	8	0.28	0.0072	-	-
p,p'-DDE	4 / 139	3%	0.0045	SS102IC (0.5-1)	Not Detected	6	0.88	0.054	-	-
p,p'-DDT	15 / 139	11%	0.0093	SS102GA (0-0.25)	No	6	0.53	0.077	-	-
Picloram	1 / 74	1.4%	0.0068 NJ	SS102MA (0-0.25)	Not Detected	-	0.088	0.38	-	-
PCBs										
PCB-1254 (Arochlor 1254)	1 / 148	0.7%	0.023 J	SS102NB (0.5-1)	Not Detected	1	0.01040	0.010	-	-
PCB-1260 (Arochlor 1260)	2 / 148	1.4%	0.065	SS102GA (0-0.25)	Yes	1	0.01	0.027	-	-
Metals										
Aluminum	315 / 315	100%	28600	SS15035-A (0.5-1)	No	-	54,006	30,000	-	16,000
Antimony	87 / 315	28%	12.1	SS102G1 (0-0.25)	No	20	0.27	0.35	-	1.9
Arsenic	296 / 316	94%	47.5	SS102G1 (0-0.25)	Yes	20	0.0090	0.0015	-	5.5
Barium	316 / 316	100%	154	SS102NB (0.5-1)	No	1,000	120	160	-	24
Beryllium	313 / 322	97%	0.9	SS15094-A (0-0.25)	No	90	2.6	19	-	0.38
Boron	174 / 316	55%	103	SS102G1 (0-0.25)	No	-	9.5	13.0	-	9.6
Cadmium	115 / 316	36%	117	SS102N2 (0-0.25)	No	70	0.40	0.69	-	0.94
Calcium	315 / 316	100%	44300	SS102N2 (0-0.25)	No	-	-	-	-	-
Chromium	316 / 316	100%	157	SS102N2 (0-0.25)	Yes	100	7.0	180,000	-	19
Cobalt	316 / 316	100%	32.6	SS102G1 (0-0.25)	Yes	-	132	0.27	-	4
Copper	320 / 322	99%	2080 J	SS102NB (0-0.25)	No	-	46	28	-	11
Iron	316 / 316	100%	254000	SS102G1 (0-0.25)	No	-	2422	350	-	17800
Lead	322 / 322	100%	204	SS102U (0-0.25)	No	200	4.1	14	-	19
Magnesium	316 / 316	100%	9780	SS102NB (0.5-1)	No	-	-	-	-	2010
Manganese	316 / 316	100%	911 J	SS102G1 (0-0.25)	Yes	-	44	28	-	134
Mercury	44 / 316	14%	0.31	SS15027-A (1.5-2)	No	20	0.020	0.033	-	0.12
Molybdenum	154 / 316	49%	24.9	SS102N2 (0-0.25)	No	-	0.18	2.0	-	1.2
Nickel	316 / 316	100%	226	SS102G1 (0-0.25)	No	600	292	26	-	10
Potassium	313 / 316	99%	6110	SS102NB (0.5-1)	No	-	-	-	-	766
Selenium	104 / 316	33%	2.3	SSJ3D5001 (0-0.2)	No	400	2.76	0.52	-	1.7
Silver	25 / 316	8%	6.1	SS102N2 (0-0.25)	No	100	16	0.8	-	0.74
Sodium	50 / 316	16%	462 J	SS15040-A (0.5-1)	No	-	-	-	-	-
Thallium	45 / 316	14%	15.3	SS102G1 (0-0.25)	Yes	8	3.0	0.014	-	1.6
Titanium	28 / 28	100%	1010 J	SS102NB (0.5-1)	Not Analyzed	-	-	-	-	-
Vanadium	316 / 316	100%	76.6	SS15036-A (0-0)	No	400	260	86	-	28.8
Zinc	317 / 319	99%	204	SS338-A (0-0.2)	No	1,000	2,202	370	-	25.6
Inorganics										
Cyanide	13 / 274	5%	2.2	SSJ3E6001 (0-0.2)	Not Detected	30	0.0011	0.015	-	-
Nitrogen, Ammonia (as N)	95 / 145	66%	36.5	SS102NB (0.25-0.5)	No	-	-	-	-	-
Nitrogen, Nitrate-Nitrite	121 / 145	83%	0.51	SS102LD (0-0.25)	Yes	-	-	-	-	0.5
Phosphorus, Total PO4 (as PO4)	144 / 144	100%	664	SS102N1 (0.25-0.5)	No	-	-	-	-	291
Petroleum Hydrocarbons										
C19-C36 Aliphatic Hydrocarbons	1 / 2	50%	11	SSJ3DA001 (sidewalls)	Not Analyzed	300	-	-	-	-
C9-C10 Aromatic Hydrocarbons	2 / 2	100%	29	SSJ3DA001 (base)	Not Analyzed	100	-	-	288	-
C9-C12 Aliphatic Hydrocarbons	2 / 2	100%	77	SSJ3DA001 (base)	Not Analyzed	1,000	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	2 / 2	100%	65	SSJ3DA001 (sidewalls)	Not Analyzed	1,000	-	-	-	-

Notes:
Yellow highlighting indicates those soil criteria that were exceeded by the maximum detected site-wide soil concentration.
- = Screening criterion not available.
Laboratory data validation qualifier codes used for the "Maximum Concentration" are as follows:
J = Detected Concentration
NJ = Estimated Concentration
"-" = No listed value.
(a) MCP Method 1 S-1/GW-1 Standards, May 2014 (http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-regulations-and-standards.html).
The value shown for MCP S-1/GW-1 standard for nitroglycerin is a calculated value using the provisional oral reference dose (1E-4 mg/kg-day) and the default exposure parameters of the S-1 direct contact standards.
The value shown for MCP S-1/GW-1 standard for 2,4,6-trinitrotoluene is a calculated value using the oral reference dose (5E-4 mg/kg-day) and the default exposure parameters of the S-1 direct contact standards.
MCP standards for Chromium VI conservatively used as a surrogate for Chromium, Total.
MCP standards for Endosulfan used as a surrogate for alpha Endosulfan.
MCP standards for Endrin used as a surrogate for Endrin Aldehyde and Endrin Ketone.
MCP standards for Chlordane used as a surrogate for gamma Chlordane.
(b) The USEPA Regional Screening Level (RSL), May, 2014. (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm)
EPA MCL-Based SSL for Chromium used as the Risk-Based SSLs are specific to either Chromium III or Chromium VI.
EPA MCL-Based SSL for Lead used as there is no Risk-Based SSL for this compound.
EPA Risk-Based SSL for Nickel, soluable Salts used as a surrogate for Nickel.
EPA Risk-Based SSL for Thallium, Soluable Salts used as a surrogate for Thallium.
EPA Risk-Based SSL for Endosulfan used as a surrogate for alpha Endosulfan.
EPA Risk-based SSL for Endrin used as a surrogate for Endrin Aldehyde and Endrin Ketone.
EPA Risk-based SSL for Chlordane used as a surrogate for gamma Chlordane.
(http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-regulations-and-standards.html).
(d) J-3 Range is situated within the Buzzard's Bay Outwash. The outwash background values included the maximum of the 0-2 ft depth interval and were not used as screening criteria, but for comparison purposes only. Values listed for PAHs were obtained from MassDEP's Technical Update: Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil (MassDEP, 2002).

mg/Kg = milligram per Kilogram

TABLE 7-5
Comparison of Maximum Concentrations in Soil to Screening Levels
J-3 Range - Area 4 - Ordnance Assembly/X-Ray Building, Environmental Test Building, Gauntlet Area, Presumed M550 Berm Area

Analyte	Frequency of Detection	FOD	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Detected in Groundwater Above Screening Criteria?	MCP S-1/GW-1 Standard[a] (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL[b] (mg/kg)	MassDEP Leaching Based Soil Concentration[c] (mg/kg)	Background Value[d] (mg/kg)
Explosives Compounds and Perchlorate										
2-Amino-4,6-Dinitrotoluene	1 / 163	0.6%	0.016	SS15097-A (0-2)	No	-	0.020	0.030	0.057	-
4-Amino-2,6-Dinitrotoluene	1 / 163	0.6%	0.014	SS15097-A (0-2)	No	-	0.00038	0.030	-	-
PAHs										
Phenanthrene	1 / 146	0.7%	0.03	SS102TG (0-0.25)	Not Detected	10	48	-	10.9	3
VOCs/SVOCs										
Acetone	110 / 123	89%	0.63 J	SS102RA (0-0.25)	No	6	0.11	2.9	6.3	-
Benzoic Acid	1 / 146	0.7%	0.1	SS102FB (0-0.25)	Not Detected	-	-	18	-	-
Bis(2-Ethylhexyl) Phthalate	23 / 146	16%	2.6 J	SS102TH (0.25-0.5)	Yes	90	72	1.3	-	-
Bromoform	66 / 122	54%	0.005 J	SS102XB (0.5-1)	No	0.1	0.0022	0.0024	0.007	-
Bromomethane	3 / 122	2%	0.003 J	SS102FC (0-0.25, 0.25-0.5)	Not Detected	0.5	0.0018	0.0019	0.05	-
Di-n-Butyl Phthalate	2 / 146	1.4%	0.22 J	SS102RA (0-0.25)	No	-	151	2.3	-	-
Di-n-Octyl Phthalate	1 / 145	0.7%	0.047 J	SS102TH (0.25-0.5)	No	-	0.480	57.0	-	
2-Butanone (MEK)	82 / 123	67%	0.035	SS102RA (0-0.25)	No	4	0.34	1.2	4	-
N-Nitrosodiphenylamine	1 / 146	0.7%	0.28 J	SS102RA (0-0.25)	Not Detected	-	0.0078	0.066	-	-
Pentachlorophenol	6 / 186	3%	3.7 J	SS102TG (0-0.25)	Not Detected	3	0.0004	0.0004	0.008	-
Phenol	1 / 146	0.7%	0.023	SS102FC (0.5-1)	Not Detected	1	0.77	3.3	0.95	-
Toluene	36 / 123	29%	0.006 J	SS102FC (0.25-0.5)	No	30	0.27	0.76	32	-
Pesticides/Herbicides										
Acifluorfen	4 / 116	3%	0.011 J	SS102FC (0-0.25)	Not Detected	-	0.00011	-	-	-
beta BHC (beta Hexachlorocyclohexane)	2 / 123	2%	0.0014 J	SS102TA (0-0.25)	No	-	0.00020	0.00014	-	-
Chloramben	6 / 116	5%	0.008	SS102FA (0.25-0.5)	Not Detected	-	0.12	0.070	-	-
DCPA (Dacthal)	1 / 123	0.8%	0.0056	SS102FB (0-0.25)	Not Detected	-	4.9	0.15	-	
delta BHC (delta Hexachlorocyclohexane)	1 / 123	0.8%	0.0012	SS102XB (0.25-0.5)	Not Detected	-	-	-	-	-
MCPP	1 / 123	0.8%	56 NJ	MW-125 (0-0.5)	Yes	-	0.04996	0.0046	-	
p,p'-DDD	1 / 123	0.8%	0.0021 J	SS102FA (0.25-0.5)	Not Detected	8	0.28	0.0072	-	-
p,p'-DDT	1 / 123	0.8%	0.0015 J	SS102FB (0.5-1)	No	6	0.53	0.077	-	-
Picloram	2 / 113	2%	0.012 J	MW-125 (0-0.5)	Not Detected	-	0.088	0.38	-	-
Metals										
Aluminum	185 / 185	100%	23300	SS04642-A (0-0.25)	No	-	54,006	30,000	-	16,000
Antimony	16 / 185	9%	2.3 J	SS102XB (0-0.25)	No	20	0.27	0.35	-	1.9
Arsenic	181 / 185	98%	8.8	SS04628-A (0-0.25)	Yes	20	0.0090	0.0015	-	5.5
Barium	187 / 188	99%	56.3	SS102RA (0-0.25)	No	1,000	120	160	-	24
Beryllium	165 / 188	88%	0.6	SS04628-A (0-0.25)	No	90	2.6	19	-	0.38
Boron	75 / 182	41%	8.6	SS102FB (0.25-0.5)	No	-	9.5	13.0	-	9.6
Cadmium	65 / 185	35%	1.4	SS15128-A (0-2)	No	70	0.40	0.69	-	0.94
Calcium	138 / 185	75%	1740	SS102RA (0-0.25)	No	-	-	-	-	-
Chromium	185 / 185	100%	55.8	SS102RA (0-0.25)	Yes	100	7.0	180,000	-	19
Cobalt	178 / 185	96%	7.6	SS102RA (0-0.25)	Yes	-	132	0.27	-	4
Copper	184 / 191	96%	132	SS15097-A (0-2)	No	-	46	28	-	11
Iron	185 / 185	100%	24600	SS04628-A (0-0.25)	No	-	2,422	350	-	17,800
Lead	184 / 188	98%	153	SS102XB (0.25-0.5)	No	200	4.1	14	-	19
Magnesium	185 / 185	100%	6560	SS102RA (0-0.25)	No	-	-	-	-	2,010
Manganese	185 / 185	100%	142	MW-125 (10-12)	Yes	-	44	28	-	134
Mercury	11 / 185	6%	0.054	SS15056-A (0.5-1)	No	20	0.020	0.033	-	0.12
Molybdenum	46 / 182	25%	2.4	SS102FB (0.25-0.5)	No	-	0.18	2.0	-	1.2
Nickel	183 / 185	99%	23.2	SS102RA (0-0.25)	No	600	292	26	-	10
Potassium	180 / 185	97%	2460	SS102RA (0-0.25)	No	-	-	-	-	766
Selenium	39 / 185	21%	2	SS04642-A (0-0.25)	No	400	2.76	0.52	-	1.7
Silver	2 / 185	1.1%	0.98 J	BH-21 (10-12)	No	100	16	0.8	-	0.74
Sodium	40 / 185	22%	585	SS04628-A (0-0.25)	No	-	-	-	-	-
Thallium	6 / 185	3%	1	SS102RA (0.25-0.5)	Yes	8	3.0	0.014	-	1.6
Vanadium	185 / 185	100%	46	SS04642-A (0-0.25)	No	400	260	86	-	28.8
Zinc	184 / 185	99%	81.4	SS04642-A (0-0.25)	No	1,000	2,202	370	-	25.6
Inorganics										
Cyanide	3 / 151	2%	3.1	SS15097-A (0-2)	Not Detected	30	0.0011	0.015	-	-
Nitrogen, Ammonia (as N)	85 / 128	66%	31	SS102TJ (0.25-0.5)	No	-	-	-	-	-
Nitrogen, Nitrate-Nitrite	75 / 128	59%	1.7	MW-125 (40-42)	Yes	-	-	-	-	0.5
Phosphorus, Total PO4 (as PO4)	128 / 128	100%	342	SS102RA (0-0.25)	No	-	-	-	-	291

Notes:

Yellow highlighting indicates those soil criteria that were exceeded by the maximum detected site-wide soil concentration.

- = Screening criterion not available.

Laboratory data validation qualifier codes used for the "Maximum Concentration" are as follows:

J = Detected Concentration

NJ = Estimated Concentration

"-" = No listed value.

(a) MCP Method 1 S-1/GW-1 Standards, May 2014 (http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-regulations-and-standards.html).
MCP standards for Chromium VI conservatively used as a surrogate for Chromium, Total.

(b) The USEPA Regional Screening Level (RSL), May, 2014. (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm)
EPA MCL-Based SSL for Chromium used as the Risk-Based SSLs are specific to either Chromium III or Chromium VI.
EPA MCL-Based SSL for Lead used as there is no Risk-Based SSL for this compound.
EPA Risk-Based SSL for Nickel, soluable Salts used as a surrogate for Nickel.
EPA Risk-Based SSL for Thallium, Soluable Salts used as a surrogate for Thallium.

(c) MassDEP Leaching-Based Soil Concentrations (GW-1) were not used as screening criteria, but for comparison purposes only. MCP Numerical Standards Development Spreadsheets, May 2014

(d) J-3 Range is situated within the Buzzard's Bay Outwash. The outwash background values included the maximum of the 0-2 ft depth interval and were not used as screening criteria, but for comparison purposes only. Values listed for PAHs were obtained from MassDEP's Technical Update: Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil (MassDEP, 2002).

mg/Kg = milligram per Kilogram

TABLE 7-6
Comparison of Maximum Concentrations in Soil to Screening Levels
J-3 Range - Area 5 - Hillside Study Area

Analyte	Frequency of Detection	FOD	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Detected in Groundwater Above Screening Criteria?	MCP S-1/GW-1 Standard[a] (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL[b] (mg/kg)	MassDEP Leaching Based Soil Concentration[c] (mg/kg)	Background Value[d] (mg/kg)
Explosives Compounds and Perchlorate										
1,3,5-Trinitrobenzene	4 / 110	3.6%	0.035	SS198HG (0-0.25)	No	-	-	2.1	-	-
2,4-Dinitrotoluene (by 8330)	2 / 110	1.8%	0.027 J	SSA08290202 (0-0.25)	Yes	0.7	0.020	0.00032	0.057	-
2,6-Dinitrotoluene (by 8330)	1 / 110	0.9%	0.014 J	SSA08290202 (0-0.25)	Not Detected	-	0.009	0.000067	-	-
2-Nitrotoluene	1 / 110	0.9%	0.049	SS335-A (0-2)	Yes	-	0.0022	0.00029	-	-
Tetryl	1 / 110	0.9%	0.037	SS335-A (0-2)	Not Detected	-	0.06366	0.37	-	-
PAHs										
2-Methylnaphthalene	1 / 90	1.1%	0.023 J	SSA10230301 (0-0.25)	Not Detected	0.7	0.0723	0.19	0.7	0.5
Acenaphthylene	1 / 90	1.1%	0.032 J	SSA10230301 (0-0.25)	Not Detected	1	0.0676	-	1	0.5
Benzo(a)anthracene	1 / 85	1.2%	0.023 J	SS198IJ (0-0.25)	Not Detected	7	0.037	0.012	-	2
Benzo(a)pyrene	1 / 82	1.2%	0.024 J	SS198IJ (0-0.25)	Not Detected	2	0.20	0.0040	-	2
Benzo(b)fluoranthene	1 / 82	1.2%	0.038 J	SS198IJ (0-0.25)	Not Detected	7	0.11	0.041	-	2
Benzo(k)fluoranthene	1 / 82	1.2%	0.036 J	SS198IJ (0-0.25)	Not Detected	70	0.11	0.40	-	1
Chrysene	8 / 86	9%	0.04 J	SS198HG (0-0.25)	Not Detected	70	3.4	1.2	-	2
Fluoranthene	15 / 90	17%	0.055 J	SS71-A (0-0)	Not Detected	1,000	108	89	-	4
Naphthalene	1 / 90	1.1%	0.096 J	SSA10230301 (0-0.25)	No	4	0.014	0.00054	4.48	0.5
Phenanthrene	13 / 90	14%	0.047 J	SS198II (0-0.25)	Not Detected	10	48	-	10.9	3
Pyrene	18 / 90	20%	0.082 J	SS198II (0-0.25)	Not Detected	1,000	19	13	-	4
VOCs/SVOCs										
2-Chlorobenzoic Acid	1 / 86	1.2%	0.55 J	SS198FF (0-0.25)	Not Detected	-	-	-	-	-
Acetone	31 / 32	97%	0.27 J	SS198GE (0-0.25)	No	6	0.11	2.9	6.3	-
Benzoic Acid	32 / 90	36%	0.27 J	SS198HG (0-0.25)	Not Detected	-	-	18	-	-
Bis(2-Ethylhexyl) Phthalate	35 / 88	40%	0.43 J	SS198JK (0.5-1)	Yes	90	72	1.3	-	-
Bromomethane	1 / 32	3%	0.0009 J	SS198IJ (0.5-1)	Not Detected	0.5	0.0018	0.0019	0.05	-
Chloroform	12 / 32	38%	0.006 J	SS198EG (0.25-0.5)	Yes	0.4	0.000036	0.000061	0.4	-
Di-n-Butyl Phthalate	3 / 90	3%	0.13 J	SS198GG (0.25-0.5)	No	-	151	2.3	-	-
2-Butanone (MEK)	31 / 32	97%	0.011 J	SS198GE (0.25-0.5)	No	4	0.34	1.2	4	-
N-Nitrosodiphenylamine	1 / 90	1%	0.043 J	SS198GG (0.25-0.5)	Not Detected	-	0.0078	0.066	-	-
Toluene	3 / 27	11%	0.004 J	SS198EK (0.25-0.5)	No	30	0.27	0.76	32	-
Metals										
Aluminum	98 / 98	100%	20,300	SS198GK (0.5-1)	No	-	54,006	30,000	-	16,000
Antimony	7 / 98	7%	4.4	SS198HG (0.25-0.5)	No	20	0.27	0.35	-	1.9
Arsenic	98 / 98	100%	10	SS198EK (0.25-0.5)	Yes	20	0.0090	0.0015	-	5.5
Barium	98 / 98	100%	34.5	SS198GK (0-0.25)	No	1,000	120	160	-	24
Beryllium	74 / 98	76%	0.45	SS198FK (0.25-0.5)	No	90	2.6	19	-	0.38
Boron	67 / 98	68%	10.3	SS198HG (0.25-0.5)	No	-	9.5	13	-	9.6
Cadmium	15 / 98	15%	1.4	SS198GP (0-0.25)	No	70	0.40	0.69	-	0.94
Calcium	83 / 98	85%	1,120	SS198HG (0-0.25)	No	-	-	-	-	-
Chromium	98 / 98	100%	32.2	SS198HG (0.25-0.5)	Yes	100	7.0	180,000	-	19
Cobalt	94 / 98	96%	4.9 J	MW-356 (1.5-2)	Yes	-	132	0.27	-	4
Copper	79 / 101	78%	3,210	SSA10230301 (0-0.25)	No	-	46	28	-	11
Iron	98 / 98	100%	123,000	SS198HG (0.25-0.5)	No	-	2422	350	-	17,800
Lead	101 / 101	100%	852	SSA10230301 (0-0.25)	No	200	4.1	14	-	19
Magnesium	98 / 98	100%	2,220	MW-356 (1.5-2)	No	-	-	-	-	2,010
Manganese	96 / 96	100%	422	SS198HG (0.25-0.5)	Yes	-	44	28	-	134
Mercury	22 / 98	22%	0.2	SS198EK (0.25-0.5)	No	20	0.020	0.033	-	0.12
Molybdenum	75 / 98	77%	1.1	SS198GE (0-0.25) / SS198IH (0.5-1)	No	-	0.18	2.0	-	1.2
Nickel	98 / 98	100%	21	SS198HG (0.25-0.5)	No	600	292	26	-	10
Potassium	89 / 98	91%	764 J	SS198FG (0.25-0.5)	No	-	-	-	-	766
Selenium	49 / 98	50%	9.9	SSA10230301 (0-0.25)	No	400	2.76	0.52	-	1.7
Silver	1 / 98	1.0%	0.25 J	SS198FF (0.25-0.5)	No	100	16	0.8	-	0.74
Sodium	40 / 98	41%	349	SS198FG (0.5-1)	No	-	-	-	-	-
Thallium	17 / 98	17%	5.8	SS198HG (0.25-0.5)	Yes	8	3.0	0.014	-	1.6
Vanadium	98 / 98	100%	48.9	SS198GK (0-0.25)	No	400	260	86	-	28.8
Zinc	98 / 98	100%	111 J	SS198EK (0.5-1)	No	1,000	2,202	370	-	25.6

Notes:
Yellow highlighting indicates those soil criteria that were exceeded by the maximum detected site-wide soil concentration.
- = Screening criterion not available.
Laboratory data validation qualifier codes used for the "Maximum Concentration" are as follows:
J = Detected Concentration
NJ = Estimated Concentration
"-" = No listed value.
(a) MCP Method 1 S-1/GW-1 Standards, May 2014 (http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-regulations-and-standards.html).
MCP standards for Chromium VI conservatively used as a surrogate for Chromium, Total.
(b) The USEPA Regional Screening Level (RSL), May, 2014. (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm)
EPA MCL-Based SSL for Chromium used as the Risk-Based SSLs are specific to either Chromium III or Chromium VI.
EPA MCL-Based SSL for Lead used as there is no Risk-Based SSL for this compound.
EPA Risk-Based SSL for Nickel, soluable Salts used as a surrogate for Nickel.
EPA Risk-Based SSL for Thallium, Soluable Salts used as a surrogate for Thallium.
(c) MassDEP Leaching-Based Soil Concentrations (GW-1) were not used as screening criteria, but for comparison purposes only. MCP Numerical Standards Development Spreadsheets, May 2014
(d) J-3 Range is situated within the Buzzard's Bay Outwash. The outwash background values included the maximum of the 0-2 ft depth interval and were not used as screening criteria, but for comparison purposes only. Values listed for PAHs were obtained from MassDEP's Technical Update: Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil (MassDEP, 2002).

mg/Kg = milligram per Kilogram

TABLE 7-7
Comparison of Maximum Concentrations in Soil to Screening Levels
J-3 Range - Area 6 - Barrage Rocket Study Area

Analyte	Frequency of Detection	FOD	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Detected in Groundwater Above Screening Criteria?	MCP S-1/GW-1 Standard[a] (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL[b] (mg/kg)	MassDEP Leaching Based Soil Concentration[c] (mg/kg)	Background Value[d] (mg/kg)
Explosives Compounds and Perchlorate										
1,3,5-Trinitrobenzene	2 / 263	0.8%	0.12	SS15133-A (0-2)	No	-	-	2.1	-	-
2,4-Dinitrotoluene (by 8270)	3 / 200	1.7%	0.46	SS362-A (0-0.25)	Not Detected	0.7	0.020	0.00032	0.057	-
2,4-Dinitrotoluene (by 8330)	5 / 263	1.9%	1.33 J	SSJ3BRSG08 (0-0.25)	Yes	0.7	0.020	0.00032	0.057	-
2-Amino-4,6-Dinitrotoluene	11 / 264	4%	2.42	SSJ3B06 (0-0.25)	No	-	0.020	0.030	0.057	-
2,4,6-Trinitrotoluene	23 / 267	9%	117	SSJ3B06 (0-0.25)	Yes	32	0.00021	0.015	-	-
2,6-Dinitrotoluene (by 8330)	3 / 263	0.6%	0.1 J	SSJ3BRSG08 (0-0.25)	Not Detected	-	0.009	0.000067	-	-
2-Nitrotoluene	2 / 263	0.8%	0.071	SS15133-A (0-2)	Yes	-	0.0022	0.00029	-	-
3-Nitrotoluene	1 / 263	0.4%	0.058	SS15133-A (0-2)	Not Detected	-	-	0.0016	-	-
4-Amino-2,6-Dinitrotoluene	9 / 263	3%	3.22	SSJ3B06 (0-0.25)	No	-	0.00038	0.030	-	-
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RD	2 / 263	0.8%	0.026	SSJ3T20 (0-0.25)	Yes	1.0	0.00011	0.00027	0.0017	-
Nitrobenzene (by 8330)	2 / 263	0.4%	0.12	SS15133-A (0-2)	Not Detected	-	-	0.000092	-	-
Nitroglycerin	14 / 261	5%	33 J	SS348-A (0-0.25)	Not Detected	4.4	0.0010	0.00085	-	-
Perchlorate	17 / 156	11%	0.51	SS361-A (0-0.25)	Yes	0.1	0.0031	-	0.002	-
Tetryl	2 / 263	0.8%	2.62	SSJ3B08 (0-0.25)	Not Detected	-	0.06366	0.37	-	-
PAHs										
Acenaphthylene	2 / 200	1.0%	0.026 J	SSJ3T03 (0-0.25)	Not Detected	1	0.0676	-	1	0.5
Benzo(a)pyrene	1 / 200	0.5%	0.11 J	SS10700-A (0-0)	Not Detected	2	0.20	0.0040	-	2
Benzo(b)fluoranthene	1 / 200	0.5%	0.066 J	SS366-A (0.5-1)	Not Detected	7	0.11	0.041	-	2
Benzo(g,h,i)perylene	1 / 200	0.5%	0.11 J	SS10703-A (0-0)	Not Detected	1,000	554	-	-	1
Benzo(k)fluoranthene	1 / 200	0.5%	0.058 J	SS366-A (0.5-1)	Not Detected	70	0.11	0.40	-	1
Chrysene	1 / 200	0.5%	0.038 J	SS366-A (0.5-1)	Not Detected	70	3.4	1.2	-	2
Fluoranthene	3 / 200	1.5%	0.022 J	SSJ3T11 (0-0.25)	Not Detected	1,000	108	89	-	4
Indeno(1,2,3-cd)pyrene	1 / 200	0.5%	0.073 J	SS10700-A (0-0)	Not Detected	7	0.32	0.24	-	1
Naphthalene	4 / 200	2%	0.069 J	SSJ3T11 (0-0.25)	No	4	0.014	0.00054	4.48	0.5
Phenanthrene	2 / 200	1.0%	0.041 J	SSJ3T03 (0-0.25)	Not Detected	10	48	-	10.9	3
Pyrene	2 / 200	1.0%	0.085 J	SS10700-A (0-0)	Not Detected	1,000	19	13	-	4
VOCs/SVOCs										
2-Chlorobenzoic Acid	1 / 183	0.5%	0.52 J	SSJ3X15 (0-0.25)	Not Detected	-	-	-	-	-
Acetone	6 / 8	75%	1.1 J	SS367-A (0-0.25)	No	6	0.11	2.9	6.3	-
Benzoic Acid	6 / 199	3%	0.16 J	SSJ3T14 (0-0.25)	Not Detected	-	-	18	-	-
Benzyl alcohol	13 / 199	7%	0.69	SSJ3B17 (0-0.25)	Not Detected	-	-	0.48	-	-
Benzyl butyl phthalate	3 / 200	2%	0.051 J	SSJ3B05 (0-0.25)	Not Detected	-	491	300	-	-
Bis(2-Ethylhexyl) Phthalate	20 / 200	10%	0.46	MW-347 (10-12)	Yes	90	72	1.3	-	-
Chloroform	2 / 8	25%	0.0039 J	SS367-A (0-0.25)	Yes	0.4	0.000036	0.000061	0.35	-
Chloronaphthene, (Total)	1 / 6	17%	0.018 J	SS15133-A (0-2)	Not Detected	-	-	3.8	-	-
Diethyl Phthalate	6 / 200	3%	0.026 J	SSJ3B15 (0-0.25)	No	10	13	6.1	10	-
Di-n-Butyl Phthalate	10 / 200	5%	0.31 J	SS362-A (0-0.25)	No	-	151	2.3	-	-
Di-n-Octylphthalate	1 / 200	0.5%	0.098 J	SS359-A (0.25-0.5)	No	-	0.480	57	-	-
Hexachlorobenzene	1 / 200	0.5%	0.07 J	SS10700-A (0-0)	Not Detected	0.7	0.00698	0.00061	-	-
Hexachloroethane	1 / 200	0.5%	0.068 J	SS10700-A (0-0)	Not Detected	-	-	0.00055	-	-
2-Butanone (MEK)	3 / 8	38%	0.022	SS367-A (0-0.25)	No	4	0.34	1.2	4	-
N-Nitrosodiphenylamine	1 / 200	0.5%	0.043 J	SS362-A (0-0.25)	Not Detected	-	0.0078	0.066	-	-
Phenol	7 / 200	4%	0.064 J	SSJ3B05 (0-0.25)	Not Detected	1	0.77	3.3	0.95	-
Toluene	3 / 8	38%	0.004 J	MW-13D (0-0.5)	No	30	0.27	0.76	32	-
Pesticides/Herbicides										
2,4,5-T (Trichlorophenoxyacetic Acid)	2 / 3	67%	0.019 NJ	MW-13D (0-0.5)	Not Detected	-	0.49	0.067	-	-
Acifluorfen	1 / 2	50%	0.13	MW-13D (0-0.5)	Not Detected	-	0.00011	-	-	-
Bentazon	1 / 3	33%	0.24	MW-13D (0-0.5)	Not Detected	-	0.03737	0.12	-	-
beta BHC (beta Hexachlorocyclohexane)	1 / 3	33%	0.0056	MW-13D (0-0.5)	No	-	0.00020	0.00014	-	-
delta BHC (delta Hexachlorocyclohexane)	1 / 3	33%	0.0016 J	MW-13D (0-0.5)	Not Detected	-	-	-	-	-
Silvex (2,4,5-TP)	1 / 3	33%	0.0072 J	MW-13D (10-12)	Not Detected	-	-	0.061	-	-
Metals										
Aluminum	210 / 210	100%	22,600	SS368-A (0.5-1)	No	-	54,006	30,000	-	16,000
Antimony	39 / 210	19%	1 J	SSJ3P43004 (0-0.2)	No	20	0.27	0.35	-	1.9
Arsenic	209 / 210	100%	7.1	SS15129-A (0-2)	Yes	20	0.0090	0.0015	-	5.5
Barium	210 / 210	100%	70.4	SS364-A (0-0.25)	No	1,000	120	160	-	24
Beryllium	199 / 210	95%	0.74	SSJ3T20 (0-0.25)	No	90	2.6	19	-	0.38
Boron	134 / 188	71%	6.7 J	SS350-A (0.5-1)	No	-	9.5	13	-	9.6
Cadmium	186 / 276	67%	31.7	SS10701-A (0-0)	No	70	0.40	0.69	-	0.94
Calcium	210 / 210	100%	713	MW-13D (60-62)	No	-	-	-	-	-
Chromium	210 / 212	99%	47.2	SSJ3X21 (0-0.25)	Yes	100	7.0	180,000	-	19
Cobalt	210 / 210	100%	6.3	SSJ3P43001 (0-0.2)	Yes	-	132	0.27	-	4
Copper	219 / 220	100%	1,840	SS10704-A (0-0)	No	-	46	28	-	11
Iron	210 / 210	100%	24,500	SS368-A (0.25-0.5)	No	-	2,422	350	-	17,800
Lead	214 / 214	100%	462	SS10704-A (0-0)	No	200	4.1	14	-	19
Magnesium	210 / 210	100%	3,700	SSJ3P43001 (0-0.2)	No	-	-	-	-	2,010
Manganese	199 / 199	100%	1,460	SS364-A (0.25-0.5)	Yes	-	44	28	-	134
Mercury	154 / 210	73%	1.7	SS15133-A (0-2)	No	20	0.020	0.033	-	0.12
Molybdenum	138 / 188	73%	1.7	SS368-A (0.25-0.5)	No	-	0.18	2.0	-	1.2
Nickel	210 / 210	100%	121	SS10704-A (0-0)	No	600	292	26	-	10
Potassium	210 / 210	100%	959 J	SS10700-A (0-0)	No	-	-	-	-	766
Selenium	134 / 210	64%	2.5	SS10704-A (0-0)	No	400	2.76	0.52	-	1.7
Silver	8 / 210	4%	1.3 J	SS10703-A (0-0)	No	100	16	0.8	-	0.74
Sodium	80 / 210	38%	486	SS15129-A (0-2)	No	-	-	-	-	-
Thallium	61 / 210	29%	1.4	SS368-A (0.5-1)	Yes	8	3.0	0.014	-	1.6
Vanadium	210 / 210	100%	38.3	SS351-A (0-0.25)	No	400	260	86	-	28.8
Zinc	210 / 210	100%	244	SS10703-A (0-0)	No	1,000	2,202	370	-	25.6
Inorganics										
Cyanide	3 / 125	2%	5.3	SS15130-A (0-2)	Not Detected	30	0.0011	0.015	-	-
Nitrogen, Ammonia (as N)	10 / 11	91%	24.5 J	MW-13D (0-0.5)	No	-	-	-	-	-
Nitrogen, Nitrate-Nitrite	10 / 11	91%	0.78	MW-13D (10-12)	Yes	-	-	-	-	0.5
Phosphorus, Total PO4 (as PO4)	11 / 11	100%	118 J	MW-13D (60-62)	No	-	-	-	-	291

Notes:

Yellow highlighting indicates those soil criteria that were exceeded by the maximum detected site-wide soil concentration.

- = Screening criterion not available.

Laboratory data validation qualifier codes used for the "Maximum Concentration" are as follows:

J = Detected Concentration

NJ = Estimated Concentration

"-" = No listed value.

(a) MCP Method 1 S-1/GW-1 Standards, May 2014 (http://www.mass.gov/eea/agencies/massdep/cleanup/regulations/site-cleanup-regulations-and-standards.html).
The value shown for MCP S-1/GW-1 standard for nitroglycerin is a calculated value using the provisional oral reference dose (1E-4 mg/kg-day) and the default exposure parameters of the S-1 direct contact standards.
The value shown for MCP S-1/GW-1 standard for 2,4,6-trinitrotoluene is a calculated value using the oral reference dose (5E-4 mg/kg-day) and the default exposure parameters of the S-1 direct contact standards.
MCP standards for Chromium VI conservatively used as a surrogate for Chromium, Total.

(b) The USEPA Regional Screening Level (RSL), May, 2014. (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm)
EPA MCL-Based SSL for Chromium used as the Risk-Based SSLs are specific to either Chromium III or Chromium VI.
EPA MCL-Based SSL for Lead used as there is no Risk-Based SSL for this compound.
EPA Risk-Based SSL for Nickel, soluable Salts used as a surrogate for Nickel.
EPA Risk-Based SSL for Thallium, Soluable Salts used as a surrogate for Thallium.
EPA Risk-Based SSL for 2-Chloronaphthalene (beta-chloronaphthalene) use for Total Chloronaphthalene.

(c) MassDEP Leaching-Based Soil Concentrations (GW-1) were not used as screening criteria, but for comparison purposes only. MCP Numerical Standards Development Spreadsheets, May 2014

(d) J-3 Range is situated within the Buzzard's Bay Outwash. The outwash background values included the maximum of the 0-2 ft depth interval and were not used as screening criteria, but for comparison purposes only. Values listed for PAHs were obtained from MassDEP's Technical Update: Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil (MassDEP, 2002).

mg/Kg = milligram per Kilogram

TABLE 10-1
J-3 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

AUTHORITY/TYPE	PROVISION	SYNOPSIS
Federal/Chemical Specific	SDWA MCLs, 40 CFR 141.61 – 141.63	The EPA has promulgated SDWA MCLs (40 CFR 141-143) that are enforceable standards for public drinking water supplies. The standards protect drinking water quality by limiting the levels of specific contaminants that can adversely affect public health.
State/Chemical Specific	MA Drinking Water Regulations, 310 CMR 22.00	These standards establish Massachusetts MCLs (MMCLs) for public drinking water systems (310 CMR 22.00 et seq.).
Federal/Action Specific	SDWA 47 FR 30282 Sole Source Aquifer	Pursuant to Section 1424(e) of the Safe Drinking Water Act, the EPA has determined that the Cape Cod aquifer is the sole or principal source of drinking water for Cape Cod, Massachusetts, and that the Cape Cod aquifer, if contaminated, would create a significant hazard to public health.
Federal/Chemical Specific	Drinking Water Health Advisories, published at http://www.epa.gov/ waterscience/criteria/drinking/	These are exposure concentrations protective of adverse non-cancer effects for a given exposure period. The 1-day and 10-day HA are designed to protect a child; the lifetime HA is designed to protect an adult.
Federal/Chemical Specific	Drinking Water Equivalent Levels (DWELs), published at http://www.epa.gov/ waterscience/criteria/drinking/	DWELs set forth lifetime exposure concentration values protective of adverse, non-cancer health effects, assuming that all of the exposure to a contaminant is from drinking water.
Federal/Chemical Specific	Human Health Reference Doses (RfDs), Reference Concentrations (RfCs), Cancer Slope Factors (CSFs), and 10^{-6} excess lifetime cancer risk level	These risk-based concentrations are considered together with site-specific exposure information to develop concentrations of residual contamination that will not endanger human health.
State/Chemical Specific	Massachusetts Contingency Plan, Method 1, GW-1 Groundwater Standards, 310 CMR 40.0974(2) Table 1	These cleanup standards were developed by MassDEP considering a defined set of exposures considered to be a conservative estimate of the potential exposures at most sites. Groundwater at MMR is classified as GW-1.
State/Chemical Specific	Massachusetts Drinking Water Guidelines, in Standards and Guidelines for Chemicals in Massachusetts Drinking Waters (Spring 2009), available at http://www.mass.gov/dep/water/dwstand.pdf.	This document lists both promulgated Massachusetts MCLs and also MassDEP Office of Research and Standards guidelines for chemicals that do not have Massachusetts MCLs. Standards promulgated by EPA but not yet effective may be included on the Guidelines list. These values are derived based on a review and evaluation of all available data for the chemical of interest.

TABLE 10-1
J-3 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

AUTHORITY/TYPE	PROVISION	SYNOPSIS
State/Action Specific	Massachusetts Surface Water Quality Standards, 314 CMR 4.00	These MassDEP standards prescribe the minimum water quality criteria required to sustain the designated uses of Massachusetts waters. The levels are designed to prevent all adverse health effects from ingestion, inhalation or dermal contact.
Federal/Action Specific	Subtitle C Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities, 40 CFR Part 264	These requirements establish minimum national standards that define the acceptable management of hazardous waste.
State/Action Specific	MA Hazardous Waste Management Regulations (310 CMR 30.0000)	These requirements specify how a generator of solid waste must determine whether that waste is hazardous. If waste is determined to be hazardous, it must be managed in accordance with these requirements.
Federal/Action Specific	EPA Guidance on "Use of Monitored Natural Attenuation at Superfund, RCRA Corrective Action, and Underground Storage Tank Sites" (9200.4-17P) (Apr. 21, 1999)	This guidance describes EPA's policy regarding the use of monitored natural attenuation (MNA) for the cleanup of contaminated soil and groundwater. It provides guidance regarding necessary site-specific characterization data and analysis, a methodology for determining a reasonable timeframe for remediation, a preference for remediation of sources, appropriate performance monitoring and evaluation, and a preference for contingency remedies.
Federal/Action Specific	Resource Conservation and Recovery Act (RCRA) [40 CFR 261-262]	These regulations govern the identification and listing of hazardous waste under RCRA, and the requirements on generators of hazardous waste.
Federal/Action Specific	RCRA Land Disposal Restrictions [40 CFR 268]	These regulations restrict the disposal of any treatment wastes classified as hazardous waste.
State/Action Specific	Solid Waste Management Regulations (RCRA Subtitle D), 310 CMR 19.000 et seq.	If a waste is determined to be a solid waste, it must be managed in accordance with the state regulations at 310 CMR 19.000 et seq.
Federal/Action Specific	Hazardous Waste Operations and Emergency Response, 29 CFR 1910.120	These regulations describe training, monitoring, planning, and other activities to protect the health of workers performing hazardous waste operations.

TABLE 10-1
J-3 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

AUTHORITY/TYPE	PROVISION	SYNOPSIS
Federal/Action Specific	Underground Injection Control Program [40 CFR 114, 144, 146, 147, 148, 1000]	Underground Injection Control Program regulations outline minimum program and performance standards for underground injection wells and prohibit any injection that may cause a violation of any primary drinking water regulation in the aquifer. Infiltration galleries and wells fall within the broad definition of Class V wells. These regulations are administered by the State.
State/Action Specific	MassDEP Stormwater Management Program Policy (Nov. 18, 1996)	Provides policies and guidance on complying with the state's stormwater discharge requirements.
Federal/Action Specific	National Environmental Policy Act, 42 U.S.C. 4321-4370f	"EPA believes that NGB is not required to follow NEPA procedures, as long as the NGB's actions are conducted in accordance with the administrative order, because of the provision in the CEQ regulations exempting enforcement actions from NEPA." (USEPA, 1 March 01)
Federal/Action Specific	CWA NDPES Stormwater Discharge Requirements, 40 CFR 122.26	Establishes requirements for stormwater discharges associated with construction activities that result in a land disturbance of equal to or greater than one acre of land. The requirements include good construction management techniques; phasing of construction projects; minimal clearing; and sediment, erosion, structural, and vegetative controls to mitigate stormwater run-on and runoff.
State/Action Specific	Stormwater Discharge Requirements, 314 CMR 3.04 and 314 CMR 3.19	Requires that stormwater discharges associated with construction activities be managed in accordance with the general permit conditions of 314 CMR 3.19 so as not to cause a violation of Massachusetts surface water quality standards in the receiving surface water body (including wetlands).
State/Chemical Specific	Massachusetts Air Pollution Control Regulations [310 CMR 6.00 – 7.00]	Construction activities could trigger Massachusetts Air Pollution Control Regulations (310 CMR 6.00 – 7.00). These regulations set emission limits necessary to attain ambient air quality standards for fugitive emissions, dust and particulates.
State/Action Specific, Chemical Specific	310 CMR 40.0040 Construction and operation of a groundwater treatment plant	Regulations establish management procedures for remedial wastewater as well as the construction, installation, change, operation and maintenance of treatment works for Remedial Wastewater. Treatment works shall be inspected and the inspections documented. Treatment works shall be protected from vandalism and measures shall be taken to prevent system failure, contaminant pass through, interference, by-pass, upset, and other events likely to result in a discharge of oil and/or hazardous material to the environment.

TABLE 10-1
J-3 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

AUTHORITY/TYPE	PROVISION	SYNOPSIS
State/Action Specific, Chemical Specific	Discharge of Groundwater 310 CMR 40.0045	Regulations restrict remedial wastewater discharge to the ground surface or subsurface and/or groundwater. Such a discharge should not erode or impair the functioning of the surficial and subsurface soils, infiltrate underground utilities, building interiors or subsurface structures, result in groundwater mounding within two feet of the ground surface, or result in flooding or breakout to the ground surface. The concentrations of all pollutants discharged must be below the Massachusetts Groundwater Quality Standards established by 314 CMR 6.0. The concentrations must also be below the applicable Reportable Concentrations established by 310 CMR 40.0300 and 40.1600.
State/Action Specific	Discharge of Groundwater 310 CMR 40.0300 and 310 CMR 40.1600	The MCP contains special provisions for the discharge of groundwater containing very low levels of oil or hazardous material. Groundwater containing oil and/or hazardous material in concentrations less than the applicable release notification threshold established by 310 CMR 40.0300 and 40.1600, can be discharged to the ground subsurface and/or groundwater only when following appropriate guidelines.
State/Action Specific	Groundwater Discharge Regulations [314 CMR 5.00]	Recharge of effluent from some treatment works requires a permit under Groundwater Discharge Regulations at 314 CMR 5.00 unless the exemption allowing for actions taken in compliance with MGL C. 21E and regulations at 40 CMR 40.00 applies. The effluent discharged must not exceed any Massachusetts Groundwater Quality Standards and effluent limitations in 314 CMR 5.10(3). For previous projects on MMR, the MassDEP has determined that effluent from any constructed treatment system is “conditionally exempt” from obtaining the permit provided that the applicable or relevant provisions of the MCP 310 CMR 40.0000 are complied with.
State/Action Specific	MassDEP Drinking Water Program, Private Well Guidelines (2008), available at http://www.mass.gov/dep/water/laws/prwellgd.pdf	These are guidelines concerning private well location, design, construction, development, water quality testing, operation, maintenance, and decommissioning.
State/Action Specific	Underground Injection Control [310 CMR 27.00]	These regulations prohibit injection of fluid containing any pollutant into underground sources of drinking water where such pollutant will, or is likely to, cause a violation of any state drinking water standard or adversely affect the health of persons.

TABLE 10-1
J-3 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

AUTHORITY/TYPE	PROVISION	SYNOPSIS
State/Action Specific	STATE - MA Erosion and Sediment Control Guidelines for Urban and Suburban Areas (May 2003), available at http://www.mass.gov/dep/water/essec1.pdf	Provides guidance and best management practices regarding erosion and sediment control.
Federal/Action Specific	Archaeological Resources Protection Act, 16 U.S.C. §§ 470aa-ll, 43 CFR Part 7; Native American Graves Protection and Repatriation Act, 25 U.S.C. §§ 3001-3013, 43 CFR Part 10, National Historic Preservation Act, 16 U.S.C. §§ 470 et seq., 36 CFR Part 800; Massachusetts Historic Preservation Act, MGL ch. 9 §§ 26-27C; MGL ch. 7, § 38A; MGL ch. 38, §§ 6B-6C; 950 CMR 70-71.	These statutes and regulations provide for the protection of historical, archaeological, and Native American burial sites, artifacts, and objects that might be lost as a result of a federal construction project.
State/Action Specific	Massachusetts Endangered Species Act.	The Massachusetts Endangered Species Act provides that impacts to state-listed endangered or threatened species, or species of special concern or their habitats from actions are to be avoided, minimized, and/or mitigated.

*Regulations that EPA will either consider or require, as appropriate, in selecting and defining the remedial action as specified in the final decision document.

Table 11-1
Summary of Proposed J3 Range Perchlorate/RDX Wellfield Alternatives
January 2014 Plumeshell

Alt #	Design Details			Perchlorate Remediation					RDX Remediation						Present Value Costs			
	Number of Extraction Wells	Extraction Well Location	Total Extraction Rate (gpm)	Estimated Year Perchlorate Concentrations Decrease Below 15 ug/L	Estimated Year Perchlorate Concentrations Decrease Below 2 ug/L	Estimated Year Perchlorate Concentrations Decrease Below 0.35 ug/L	Perchlorate Mass Captured (Pounds)	Extraction Well ND Date	Estimated Year RDX Concentrations Decrease Below 6 ug/L	Estimated Year RDX Concentrations Decrease Below 2 ug/L	Estimated Year RDX Concentrations Decrease Below 0.6 ug/L	Estimated Year RDX Concentrations Decrease Below 0.25 ug/L	RDX Mass Captured (Pounds)	Extraction Well ND Date [2]	Capital Cost	O&M	Site Closeout Report	Total Present Value
1	0		**0**	2034 / 2064	2079 / >2114	>2114 / >2114	0.0	NA	2014 / 2014	2018 / 2035	2043 / 2068	>2114 / >2114	0.0	NA	$0.15M	$0.0M	$0.08M	$0.2M
	No action	J3EWIP1	0															
		90EW0001	0															
		J3EW0032	0															
2	0		**0**	2034 / 2064	2079 / >2114	>2114 / >2114	0.0	NA	2014 / 2014	2018 / 2035	2043 / 2068	>2114 / >2114	0.0	NA	$0.2M	$1.5M	$0.02M	$1.8M
	MNA	J3EWIP1	0															
		90EW0001	0															
		J3EW0032	0															
3	3		**195**	2025 / 2053	2052 / 2078	>2114 / >2114	10.9	2026	2014 / 2014	2016 / 2034	2032 / 2064	2086 / >2114	1.5	2019	$0.4M	$7.4M	$0.04M	$7.9M
	Current	J3EWIP1	100															
		90EW0001	30															
		J3EW0032	65															
4	3		**265**	2025 / 2048	2039 / 2071	>2114 / >2114	12.5	2024	2014 / 2014	2016 / 2030	2031 / 2056	2076 / >2114	1.7	2019	$0.4M	$7.3M	$0.05M	$7.8M
	Optimized	J3EWIP1	150															
	#1	90EW0001	50															
		J3EW0032	65															
4A	4		**265**	2017 / 2020	2022 / 2039	>2114 / >2114	13.1	2023	2014 / 2014	2015 / 2017	2021 / 2033	2071 / >2114	1.8	2019	$1.4M	$3.4M	$0.07M	$4.9M
	Optimized	J3EWIP1	90															
		90EW0001	50															
		J3EW0032	65															
		New Well #1	60															
5	6		**315**	2018 / 2019	2024 / 2029	2110 / 2110	14.8	2025	2014 / 2014	2015 / 2022	2024 / 2037	2065 / >2114	2.4	2021	$3.7M	$4.5M	$0.07M	$8.3M
	10-Year	J3EWIP1	140															
		90EW0001	40															
		J3EW0032	40															
		New Well #1	30															
		New Well #2	25															
		New Well #3	40															

Year when complete cleanup occurs.

Year when cleanup other than low K areas occurs.

Notes
1. Cleanup timeframes based on contaminant transport modeling animations according to site achieving concentrations below: 2 ppb for Perchlorate; 0.6 ppb for RDX
2. Extraction well shut off year corresponds to first year when extraction well influent concentration decreases below method detection limit (perchlorate = 0.35 ug/L and RDX = 0.25 ug/L).