Impact Area Groundwater Study Program

FINAL

J-1 Range Remedial Investigation/ Feasibility Study

Camp Edwards
Massachusetts Military Reservation
Cape Cod, Massachusetts

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LIST OF ACRONYMS AND ABBREVIATIONS

AFCEE	Air Force Center for Engineering and the Environment
AIRMAG	airborne magnetometer
AMEC	AMEC Earth & Environment, Inc.
ASTM	American Society for Testing and Materials
AT123D	Analytical Transient One-, Two-, and Three-Dimensional Model
bgs	below ground surface
BEHP	bis(2-ethylhexyl)phthalate
BIP	Blow in Place
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CIA	Central Impact Area
COC(s)	Contaminant(s) of Concern
CSM	Conceptual Site Model
DO	dissolved oxygen
DWELs	drinking water equivalent levels
ECC	Environmental Chemical Corporation
EPA	U.S. Environmental Protection Agency
FS-12	Fuel Spill Number 12 (with an extraction, treatment and reinjection system in place and operating)
g	grams
GAC	Granular Activated Carbon
HA	health advisory
HE	high explosive
HLA	Harding Lawson Associates
HMX	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine
IAGWSP	Impact Area Groundwater Study Program
IX	ion-exchange resin
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
MMCL	Massachusetts maximum contaminant level
MMR	Massachusetts Military Reservation
msl	mean sea level
MSP	Munitions Survey Program
MTU	Mobile Treatment Unit
MW	monitoring well
NGB	National Guard Bureau
PCB	polychlorinated biphenyl
PCN	Polychlorinated naphthalene
RDX	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine
RRA	Rapid Response Action
SE	Southeast Ranges
SSL	Soil Screening Level
SVOC	Semi Volatile Organic Compounds

LIST OF ACRONYMS AND ABBREVIATIONS

TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin
TEQ	Toxic Equivalency
TIC	tentatively identified compounds
TNT	2,4,6-trinotrotoluene
USACE	United States Army Corps of Engineers
UXO	Unexploded Ordnance
VOC	Volatile Organic Compounds
2A-DNT	2-amino-4,6-dinitrotoluene
4A-DNT	4-amino-2,6-dinitrotoluene
2,4-DNT	2,4-dinitrotoluene
2,6-DNT	2,6-dinitrotoluene
3-NT	3-nitrotoluene
cm	centimeter
gpm	gallons per minute
kg	kilogram
mg	miligram
mg/Kg	milligrams per kilogram
mg/L	milligrams per liter
mm	milliliter
pCi/L	picocuries per liter
µg/Kg	microgram per kilogram
µg/L	microgram per liter

EXECUTIVE SUMMARY

This *J-1 Range Remedial Investigation/Feasibility Study (RI/FS)* presents the results of soil, UXO and groundwater characterization, geophysical investigations, and an evaluation of remedial alternatives for contaminated groundwater associated with the J-1 Range, located at the Massachusetts Military Reservation (MMR) on Cape Cod, Massachusetts.

The J-1 Range is located in the southeast portion of the MMR and is bounded to the north by the J-2 Range and to the south by the J-3 and L Ranges. From 1935 through the late 1980's, the J-1 Range was used for training and testing purposes. Activities associated with historical range uses, primarily munitions testing and disposal, have resulted in releases of explosive compounds to the soil which are the likely source of groundwater contamination beneath the site.

The groundwater underlying and downgradient of the J-1 Range is primarily contaminated by Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX) and perchlorate. For groundwater investigation and data presentation purposes, the J-1 Range has been divided into two sub-areas, J-1 Range northern plume and J-1 Range southern plume. This division between these two areas is based on the natural groundwater divide that is located beneath the J-1 Range. For the presentation of the source area characterization, the range was subdivided into nine sub-areas, based on the Conceptual Site Models (CSM) for each portion of the range.

J-1 Range Northern Plume

The J-1 Range northern plume is comprised of perchlorate and RDX in groundwater. The main lobe of the plume consists of perchlorate and RDX and the western lobe consists primarily of RDX with some isolated detections of perchlorate. The 2009 maximum perchlorate concentration is observed at MW-370M2 (54.5 µg/L, May 2009). The perchlorate plume has become detached from the suspected source area in the Interberm Area of the J-1 Range. Although the Main RDX plume is not fully detached from its sources, RDX concentrations in source area monitoring wells have decreased to levels that are below the health advisory (HA) of 2 µg/L. The highest 2009 detection of RDX in the plume was observed at MW-303M2 at 13.0 µg/L (May 2009). Both the perchlorate and RDX plume trajectories are north-northwest, and are associated with the Interberm Area of the J-1 Range.

The western lobe of the northern J-1 Range RDX plume has both a shallow (water table) and deeper area of contamination. Based on the CSM, the shallow portion emanates from tank targets in the Impact Area and is cross gradient of the main RDX plume. The source of the deeper contamination in the western RDX lobe has not been identified.

Soil and geophysical investigations began in 1997 and continued through 2009. The result of soil investigations in the Popper Kettle area, Cook-off Test location, the Steel-

lined Pit, the Wastewater Disposal Area, Polygons 9, 10 and 16 and disposal areas in Grids J39, J36 and K36, shows soil contamination that is consistent with contamination found in downgradient groundwater. Of the known disposal areas identified during the investigation, these areas are among the source areas most responsible for development of the plumes. These features are located in the Interberm Area and the extent of the J-1 northern groundwater plume is consistent with a source area in these locations. Explosives and perchlorate soil contamination associated with these source areas has been removed. An area of elevated RDX contamination in surficial soils was identified northeast of the 1,000 meter berm. 2,4 DNT was also detected at elevated concentrations in the vicinity of Firing Point 3. Soils from these areas were excavated for on-site treatment in 2010.

A soil risk screen was conducted to evaluate the risk to human health and to evaluate the potential for detected analytes in soil to leach from the soil and migrate through the subsurface to the groundwater. The risk screen identified concentrations of RDX in the Interberm Area and at a tank target at the 2,000 meter berm exceeding the screening criteria. Contamination associated with tank targets is consistent with the development of the shallow component of the western RDX lobe downgradient of this area. 2,4-DNT was also detected in soils in the Interberm Area at concentrations exceeding screening criteria. These soils have been removed as part of ongoing response actions. All other detected analytes were at concentrations below the screening criteria, are associated with background concentrations or were detected infrequently.

A Human Health Risk Screening was conducted for the J-1 Range north groundwater. The screening identified RDX and perchlorate at concentrations exceeding the screening criteria, and were therefore recommended for further evaluation in the Feasibility Study. Several other compounds were also identified at concentrations exceeding the 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 recommended for further consideration in the groundwater Feasibility Study.

Intrusive geophysical investigations identified multiple disposal pits in the Interberm Area. However, most of the finds consisted of munitions debris or other debris. The vast majority of MEC items encountered were considered small quantity energetic items. Other encountered MEC items were generally inert bodies with live fuzes or individual HE rounds. Based on the geophysical investigations, remaining geophysical anomalies in both the Interberm Area and the other portions of J-1 Range North, are likely munitions debris or other debris. However, there is the potential for residual MEC items, likely consisting of inert rounds with live fuzes or individual HE items.

Feasibility Study

A Feasibility Study was prepared to describe the development and evaluation of remedial action alternatives for the J-1 Range northern groundwater study area, based on the 2008 plume shell 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 10-2. The following alternatives were evaluated:

Alternative 1 – No Further Action.

Monitoring wells would be abandoned and site close-out 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 approximately 2080. RDX concentrations are predicted to decrease, through natural attenuation processes, to below 2 µg/L by approximately 2053 and to below 0.6 µg/L sometime after 2109. The response action would be complete when the existing groundwater-monitoring-well network is abandoned. The present value cost of this alternative is $144,127.

Alternative 2 – Monitored Natural Attenuation and Land-Use Controls

Alternative 2 includes long-term groundwater monitoring and land-use controls. The source area soils have been removed. Perchlorate concentrations are predicted to decrease, through natural attenuation processes, to below 2 µg/L by approximately 2080. RDX concentrations are predicted to decrease, through natural attenuation processes, to below 2 µg/L by approximately 2053 and to below 0.6 µg/L sometime after 2109. The response action would be complete when two years of monitoring have shown that goals have been achieved. The present value cost of this alternative is $3,441,151.

Alternative 3 – Focused Extraction with One Well, Monitored Natural Attenuation and Land-Use Controls

Alternative 3 includes construction of one extraction well, 2,100 feet of piping, a Mobile Treatment Unit (MTU), and an infiltration trench as well as land use controls. The flow rate of the system would be 125 gallons per minute (gpm). The source area soils have been removed. This alternative was evaluated using two different operational scenarios for the extraction well: Alternative 3a) the extraction well operates until the influent concentrations decrease below the method detection limit and Alternative 3b) the extraction well operates until 2030. The groundwater model indicates for Alternatives 3a, perchlorate concentrations would decrease below 2 µg/L by approximately 2042 and RDX concentrations would decrease below 2 µg/L by approximately 2038 and to below 0.6 µg/L by approximately 2048. It was estimated from groundwater modeling results, that if the extraction well was turned off in 2030 (which is predicted to be five years before influent concentrations decreased below the method detection limit), then perchlorate concentrations would decrease below 2 µg/L by approximately 2043 and RDX concentrations would decrease below 2 µg/L by approximately 2040 and to below

0.6 µg/L by approximately 2051. Alternative 3b was examined as a less expensive way to achieve cleanup levels prior to the end of the current lease in 2051. Ion-exchange resin (IX) and GAC media would be used to treat the extracted water. The response action would be complete when two years of monitoring have shown that goals have been achieved. The present value cost for Alternative 3a is $12,439,320 and the present value cost for Alternative 3b is $11,763,660.

Alternative 4 – Focused Extraction with Two Wells (In-plume), Monitored Natural Attenuation and Land-Use Controls

Alternative 4 includes construction of two extraction wells, 3,500 feet of piping, two MTUs, and two infiltration trenches, as well as land use controls. The flow rate of the system would be 250 gpm. The source area soils have been removed. This alternative was evaluated using two different operational scenarios for the extraction wells: Alternative 4a) the extraction wells operate until the influent concentrations decrease below the method detection limit, which is predicted to occur in 2024, and Alternative 4b) the upgradient extraction well (J1NA5EW1) was turned off in 2015 and the downgradient extraction well (J1NA5EW2) turned off in 2023. The groundwater model indicates for Alternative 4a, perchlorate concentrations would decrease below 2 µg/L by approximately 2037 and RDX concentrations would decrease below 2 µg/L by approximately 2027 and to below 0.6 µg/L by approximately 2035. It was estimated, from groundwater modeling results that with the shortened operation scenario described above (Alternative 4b), perchlorate concentrations would decrease below 2 µg/L by approximately 2045 and RDX concentrations would decrease below 2 µg/L by approximately 2031 and to below 0.6 µg/L by approximately 2050 before the end of current lease. IX and GAC media would be used to treat the extracted water. The response action would be complete when two years of monitoring have shown that goals have been achieved. The present value cost of Alternative 4a is $13,057,684 and the present value cost of Alternative 4b is $11,623,876.

Alternative 5 – Focused Extraction with Two Wells (In-plume and leading edge), Monitored Natural Attenuation and Land-Use Controls

Alternative 5 includes construction of two extraction wells, 6,900 feet of piping, two MTUs located next to the J-2 Range northern plume treatment plant, and two infiltration trenches located near the J-2 Range northern plume infiltration trenches along Wood Road, as well as land-use controls. The flow rate of the system would be 250 gpm. The source area soils have been removed. The groundwater model indicates for Alternative 5, perchlorate concentrations would decrease below 2 µg/L by approximately 2035 and RDX concentrations would decrease below 2 µg/L by approximately 2037 and to below 0.6 µg/L by approximately 2047. IX and GAC media would be used to treat the extracted water. The response action would be complete when two years of monitoring have shown that goals have been achieved. The present value cost of this alternative is $14,935,898.

Alternative 6 – Focused Extraction with Five Wells, Monitored Natural Attenuation and Land-Use Controls

- Alternative 6 includes construction of five extraction wells, 4,305 feet of piping, five MTUs, and infiltration trenches, as well as land-use controls. The flow rate of the system would be 625 gpm. The source area soils have been removed. Perchlorate concentrations are estimated to decrease below 2 µg/L by approximately 2020 and RDX concentrations are estimated to decrease below 2 µg/L by approximately 2018 and to below 0.6 µg/L by approximately 2020. IX and GAC media would be used to treat the extracted water. The response action would be complete when two years of monitoring have shown that goals have been achieved. The present value cost of this alternative is $19,752,815.

J-1 Range Southern Plume

The primary site-related contaminant in the J-1 Range southern groundwater study area is RDX. In general, the plume flow trajectory is southeasterly in the area immediately downgradient of the source and more southerly toward the downgradient portion of the plume. The 2009 maximum RDX concentration is 20 µg/L (MW-481M2, May 2009)) located in the off-base portion of the plume. More than half of the plumes spatial extent is off-base. Recent groundwater characterization activities conducted in January 2010 have identified unanticipated concentrations of RDX contamination near the currently mapped boundary of the downgradient plume. Therefore, additional groundwater characterization efforts are underway to further delineate the extent of the RDX contamination. The discussion of groundwater contamination for the J-1 southern plume contained in this report is based on monitoring well data and profile data collected through 2009.

Disposal areas in the southern portion of the J-1 Range include a munitions disposal area consisting of three pits located near the former Loading and Assembly building, and Polygons 2, 3, and 4, and the suspected water saw operation. The target area consists of a 100 meter Range target. Intrusive geophysical investigations identified multiple disposal pits in the southern portion of the range. However, most of the finds consisted of munitions debris or other debris. Encountered MEC items were generally inert rounds with live fuzes or individual HE rounds. Based the geophysical investigations, remaining geophysical anomalies are likely munitions debris or other range related debris. However, there is the potential for residual MEC items, likely consisting of inert rounds with live fuzes and individual HE items.

Soil investigations began in 1997 and continued through 2009. Elevated concentrations of explosives compounds were also detected in surface soils in the vicinity of Polygons 2, 3 and 4. A soil risk screen was conducted to evaluate the risk to human health and to evaluate the potential for detected analytes in soil to leach from the soil and migrate through the subsurface to the groundwater. The risk screen identified concentrations of RDX and HMX in the vicinity of Polygons 2, 3 and 4 exceeding the screening criteria. These soils have been removed as part of ongoing response actions. All other detected analytes were at concentrations below the screening criteria, are associated with background concentrations or were detected infrequently.

A Human Health Risk Screening was conducted for the J-1 Range southern groundwater using the same screening approach as discussed for the J-1 Range northern area. RDX was identified during the screening evaluation at concentrations exceeding the screening criteria, and was therefore recommended for further evaluation in the Feasibility Study. Chloroform and arsenic also exceeded the screening criteria, but were attributable to naturally occurring background conditions and therefore were not recommended for further consideration in the Feasibility Study.

Feasibility Study

A Feasibility Study was prepared to describe the development and evaluation of remedial action alternatives for the J-1 Range southern groundwater plume, based on the January 2010 plume shell. The Feasibility Study alternatives were developed in the same manner as the J-1 northern plume. Estimated cleanup times frames and costs for each alternative are summarized in Table 10-4. The following alternatives were evaluated:

Alternative 1 – No Further Action

Monitoring wells would be abandoned and site close-out documentation would be completed. The source area soils have been removed. RDX concentrations are predicted to decrease through natural attenuation processes to below 2 µg/L by 2032 and to below 0.6 µg/L by approximately 2050. The response action would be complete when the existing groundwater monitoring well network is abandoned. The present value cost of this alternative is $111,209.

Alternative 2 –Monitored Natural Attenuation with Land-Use Controls

Alternative 2 includes long-term groundwater monitoring and land-use controls. The source area soils have been removed. RDX concentrations are predicted to decrease through natural attenuation processes to below 2 µg/L by 2032 and to below 0.6 µg/L by approximately 2050. The response action would be complete when two years of monitoring have shown that goals have been achieved. The present value cost of this alternative is $1,555,596.

Alternative 3 – Focused Extraction with One Well, Monitored Natural Attenuation and Land-Use Controls

Alternative 3 includes operation of the existing J-1 Range southern ETI system and land-use controls. The ETI system would operate at 45 gpm. The source area soils have been removed. RDX concentrations are predicted to decrease through treatment and natural attenuation processes to below 2 µg/L by approximately 2032 and to below 0.6 µg/L by approximately 2048. GAC media would be used to treat the extracted water. The response action would be complete when two years of monitoring have shown that goals have been achieved. The present value cost of this alternative is $2,601,620.

Alternative 4 – Focused Extraction with Two Wells, Monitored Natural Attenuation and Land-Use Controls

Alternative 4 includes operation of the existing J-1 Range southern area ETI system and supplementing it with an additional extraction well, and associated piping (2,634 feet) at locations where these can be feasibly implemented as well as land-use controls. The extracted water would be treated at the existing MTU and returned to the aquifer through the existing infiltration trench. The total flow of the ETI system would be 125 gpm. The source area soils have been removed. RDX concentrations are predicted to decrease through treatment and natural attenuation processes to below 2 µg/L by 2019 and to below 0.6 µg/L by approximately 2024. GAC media would be used to treat the extracted water. The response action would be complete when two years of monitoring have shown that goals have been achieved. The present value cost of this alternative is $4,889,422.

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

- Alternative 5 includes operation of the existing J-1 Range southern area ETI system, and supplementing it with two additional extraction wells and associated piping (TBD) at locations where these can be feasibly implemented as well as land-use controls. The extracted water would be treated at the existing MTU and additional MTU. The treated water would be returned to the aquifer through the existing infiltration trench and a new infiltration trench. The total flow of the ETI system would be 250 gpm. The source area soils have been removed. RDX concentrations are predicted to decrease through treatment and natural attenuation processes to below 2 µg/L by approximately 2018 and to below 0.6 µg/L by approximately 2022. GAC media would be used to treat the extracted water. The response action would be complete when two years of monitoring have shown that goals have been achieved. The present value cost of this alternative is $5,729,427.

1.0 INTRODUCTION

This *J-1 Range Remedial Investigation/Feasibility Study Report* provides a summary of activities conducted and data gathered for characterization of soil, UXO and groundwater contamination at the J-1 Range. The J-1 Range is among several training areas, ranges, and other sites evaluated by the IAGWSP for potential groundwater impacts. The investigation at the J-1 Range and a groundwater rapid response action are conducted under the authority of the 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 present the scope of soil and groundwater characterization activities conducted for the J-1 Range. This report presents the results of the J-1 Range investigations, remedial actions completed to date, 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-1 Range and its subcomponent areas and 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, nature and extent of groundwater contamination and groundwater modeling is presented in Section 3.0. Section 4.0 presents a summary of geophysical and soil investigations and findings including an evaluation of the potential for remaining unexploded ordnance. The conceptual site model is presented in Section 5.0. The soil and groundwater risk screening is presented in Section 6.0. Section 7.0 presents the remedial investigation findings. Section 8.0 introduces the groundwater feasibility study. Section 9.0 discusses the development of alternatives. Detailed analysis of the alternatives is presented in Section 10.0, while Section 11.0 provides the comparative analysis of alternatives. Section 12.0 summarizes the feasibility study findings.

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2.0 SITE BACKGROUND

The Massachusetts Military Reservation (MMR) 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-1 Range Investigation Area is located southeast of the Impact Area between the J-2, J-3 and L Ranges. A depiction of investigation areas for both soil and groundwater are shown in Figures 2-2 through 2-4.

2.1 Site Description

The J-1 Range is located adjacent to (and partially within) the Impact Area and is one of four former training ranges that comprise the Southeast Ranges (SE Ranges) (Figure 2-1). The SE Ranges are former military training and defense contractor test ranges that operated from the 1930s until the 1990s (AMEC 2004). The J-1 Range is approximately 2,000 meters long and between 50- and 250-meters wide. The range is oriented southeast to northwest, with the southeastern "uprange" end near Greenway Road and the northwestern "downrange" end extending several hundred meters beyond Chadwick Road into the impact area. A dirt road runs down the entire length of the range. The terrain is undulating with natural and man-made depressions but no surface water bodies of any kind. There are five large man-made berms located at various distances along the length of the range. Two "tunnel" barriers, located toward the southeastern end of the range, have eight foot diameter concrete culverts buried within them. These were designed to constrain the trajectory of fired artillery rounds, which would pass through the tunnels in their flight toward targets placed in front of impact berms located 1,000 and 2,000 meters downrange. Off-target rounds would be stopped by the tunnel barriers, preventing untargeted downrange flight. A fifth "150 meter" berm is located near the 1,000 meter berm. The current layout and features of the J-1 Range is depicted in Figure 2-5.

The only structure remaining on the Range is a concrete bunker located near the 1,000 meter berm. Access to the J-1 Range is currently restricted by a locked gate located at Greenway Road.

2.2 Site History

The following presents a general summary of the historical uses of the area, with more detailed descriptions following. Available aerial photographs are presented in Figures 2-6 through 2-9)

- 1935 to 1950s – **I Range**; used as an estimation range, rifle range and anti-tank range;
- 1940s to 1950s – **J-1 Transition Range**; used as a small arms range;
- 1957 to late 1980s – **J-1 DoD Contractor Test Range**; used for munitions testing.

I Range (1935 to 1950s)

The I Range was developed in 1935 along the west side of Greenway Road as an estimation range (Figure 2-6). The estimation range consisted of a series of markers at known distances that were used for training in distance estimation. No firing was reportedly conducted on this range. Through the 1950s, the I Range was used as an anti-tank range where moving targets were mounted on sleds and controlled by cables and pulleys from the rear of the firing positions. There is no further documentation of the purpose of the range or the ammunition used.

J-1 Transition Range (1940s to 1950s)

The J-1 Range was initially established in the 1940s as a transition range and used until the 1950s (Figure 2-6). The 1955 aerial photograph (Figure 2-6), shows that this area has been further developed and includes what appears to be a firing line and accompanying targets. The range consisted of nine firing lanes, each lane with pop-up targets originating in target control pits spaced 25- to 50-yards apart, up to 500 yards out from the firing positions. Available documentation does not include the types of weaponry used on the range.

J-1 DoD Contractor Test Range (1957 to the late 1980s)

From 1957 to 1986, the J-1 Range area was utilized as a test range by the following DoD contractors; American Potash and Chemical Corporation (1957-1960), Atlantic Research Corporation (1960 to 1975), Norris Industries/Hesse-Eastern Division (1975 to 1980) and AVCO, (1980 to 1986) (later known as Textron).

The expansion of the J-1 range to support Contractor activities is evident in the 1966 and 1977 aerial photographs (Figures 2-7 and 2-8).

The following activities were conducted on the J-1 Range by the DoD contractors:

Testing Activities

Munitions Testing - Testing on the range in the 1950s and 1960s included 60mm, 81mm and 4.2-inch mortars, 105mm, 155mm howitzers, 20mm, and eight-inch guns and 0.50 caliber machine guns. The majority of rounds fired were inert; the explosives used were primarily associated with the propellant and the fuze primers (HLA 2000).

105 mm Tank Barrel Testing – Over-pressure testing on the 105mm tank barrels using 105mm High Explosives Anti-Tank munitions and sabot rounds was conducted from 1975 through 1986. Typically, these munitions were fired at cloth targets located downrange, passing through the tunnel barriers in flight. The 105mm M456 High Explosives Anti-Tank Tracer rounds and 105mm M490 TP-T (target practice, inert) rounds were fired to evaluate warhead dispersion at various distances; the interior

ballistics and velocity of the projectile; and fuze and warhead performance (HLA 2000). An estimated 39,000 105mm rounds were fired at the J-1 Range (USACE 1999a), the majority of which were reportedly inert.

40mm Practice Grenade Testing – A two-day test was conducted with 40mm practice grenades to determine the effects of firing plastic-nosed rounds at extremely cold temperatures.

Cook-off Tests - 5.56mm, 7.6mm, and 0.45 caliber small arms ammunition were reportedly placed in a large steel pan (approximately 4 feet by 5 feet) along with fuel and waste oil; the mixture was ignited and observed to determine the detonation temperature of the munitions. This testing was used to determine the hazard classification of the munitions. MW-191 was installed at the suspected location. Another source suggests that the cook-off tests were completed at J-3 Range, not J-1 Range (HLA 2000).

Disposal Activities

Propellant Burning – Excess propellant for the 105mm High Explosives Anti-Tank munitions was reportedly burned in the middle of the range road; however, the specific location of the burning is not known (USACE 1999a).

Explosive Debris Burning – Excess propellant, unexploded ordnance (UXO) and other miscellaneous explosive debris were burned on the J-1 Range in two areas:

- Steel-lined Pit: Excess propellant, UXO and other miscellaneous debris were burned in a former steel-lined pit. This pit had a steel floor with a hole in the middle, three steel-lined walls, and was open on the east side. An investigation of the pit was conducted in 1999 (Ogden 2000).
- Explosives were reportedly burned in an area northeast of the 2,000 meter berm. This disposal area was reportedly used by the U.S. Air Force Explosive Ordnance Disposal unit (HLA 2000). This statement has never been substantiated.
- Excess propellant bags were reportedly burned in an area around the berms at the beginning of the range. (USACE 1999a).

Wastewater Disposal - Approximately 1,200 gallons of process wastewater were released into a depression between the two telephone poles at the 1,000 meter range target area. The process wastewater was generated from the milling of explosives at the J-3 Range melt/pour building and from cleaning the melt/pour bay after each casting. This was reportedly a one-time disposal in the 1980s, prior to 1987 (HLA 2000).

Miscellaneous Disposal – Additional suspected disposal areas were noted in interviews with a former range employee (USACE 1999b, Cullity Interview). Suspected disposal areas were described in two locations; one on the north side of 150 meter Berm and another in a depression off of Barlow Road, south of 150 meter Berm and the range road. Burned 20mm rounds and steel plates were observed in the depression. It was also reported that drums of carbon disulfide were observed at the J-1 Range; however,

no locations were specified (USACE 1999b, Cullity Interview). Atlantic Research Corporation, in their Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 104(e) response, indicated that the following excess or scrap explosives were disposed of by open detonation: Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX), Comp-B, 2,4,6-trinotrotoluene (TNT), dynamite, and lead azide. Their information was inconclusive as to whether all of these compounds were disposed of specifically at the J-1 Range. However, it can be presumed that disposals occurred at the J-1 Range since this is the range on MMR on which Atlantic Research conducted testing activities.

Based on witness interviews, excess explosives from the button bomblet anti-personnel mine were also burned near the 1,000 meter range, in an unknown location (USACE 2001). The excess explosives consisted of a slurry of lead azide, Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX), and ground glass.

Propellant was reportedly cut with a water saw in front of the instrumental building.

Late 1980s to the Present

In the late 1980s, the former I Range and the J-1 Range were combined under the designation M Range; however, no specific activity is documented to have occurred under that designation and available aerial photography indicates significant revegetation has occurred (Figure 2-9).

Previous investigations have identified several features on the J-1 Range; the locations of these are depicted on Figure 2-5. Most investigation activities, as further described in Section 4.0, focused on these site features. A description of each feature follows:

- Firing Position 1 - the suspected firing point for the 1,000 meter range located on an earthen mound, south of the range road. Equipment pads and a mortar position are located in the same vicinity.
- Firing Position 2 - the suspected firing position for the 100 meter and 2,000 meter ranges located on an earthen mound on the northern side of the range road, northeast of Firing Point 1.
- Former Buildings and Storage Area - the buildings at the southeast end of the range included three storage buildings for gun barrels and jeeps, a loading and assembly building, an instrumentation building, three steel magazines, a semi-trailer, and a wooden range tower.
- Tunnel Barrier 1 - a 135-foot by 75-foot, 60-foot high earthen mound tunnel barrier. An eight-foot diameter concrete pipe passes through the middle of the mound. Steel plates surround the entrance to the tunnel.
- Steel Plate Target for 100 meter Range - located on the same earthen mound as Tunnel Barrier 1. The steel plates were reported placed to surround the entrance to the Tunnel Barrier.

- Tunnel Barrier 2 - a 100 foot by 70 foot, 40-foot high earthen mound tunnel barrier. An eight-foot diameter concrete pipe passes through the middle of the mound. Steel plates surround the entrance to the tunnel.
- Firing Position 3 - the suspected firing point for the 150 meter range near the 1,000 meter berm.
- 1,000 meter berm - a 100 foot by 100 foot, 45-foot high earthen backstop mound with steel plates at the end of the 1,000 meter range. A depression in front of the mound near the former popper kettle is believed to be the location where wastewater generated at the J-3 Range was discharged.
- 150 meter berm - a 130 foot by 70 foot, 30-foot high earthen backstop mound at the end of the 150 meter range.
- 2,000 meter(a) berm - a 120 foot by 70 foot earthen backstop mound at the end of the 2,000 meter range within the Impact Area.
- 2,000 meter(b) berm - a 270 foot by 100 foot earthen backstop mound at the end of the 2,000 meter range.
- Depression – a topographic depression located southwest of 2,000 meter berm on the south side of the Range Road.
- Popper Kettle (a.k.a. Burn Kettle) - a metal kettle formerly located near Firing Position 3 at the 150 meter range. The contents of the Kettle were drummed and the kettle was removed in 2001.
- Steel-lined Pit - an eight foot by eight foot, steel-lined pit that contained munitions. The steel-lined pit had a hole in the bottom of the pit. The steel lining was removed, the underlying soils were excavated, and the area was backfilled to allow for the installation of a water table monitoring well (MW-58S).
- Burial Trench – a burial trench approximately 108-foot long and 4-foot deep, located on the west side of Tank Range Road, opposite the 150 meter berm, at Polygon 16.
- Mortar Disposal Area - a disposal area (near MW-127) that contained over 1,000 rounds of predominately inert 81mm mortar rounds, 60mm mortars, 105mm anti-tank training rounds, 105mm artillery projectiles, and illumination rounds. These rounds were removed in December 1997 and March 1998 and were disposed of off-site.

2.3 Inter-Relationship with Adjacent Study Areas

Several past and present studies in the region have provided information that has helped develop the current understanding of the fate and transport of groundwater contamination in the SE Ranges area. Several of these investigations have helped refine aquifer hydraulic characteristics, while others have formed the basis for evaluation of source characteristics.

The Central Impact Area (CIA) occupies the central portion of Camp Edwards. The northwest portion of the J-1 Range extends into the Impact Area and partially into the CIA. Soil and groundwater contamination have been documented in the *Draft UXO/Source Investigation Report for the Central Impact Area* (AMEC 2008). The trailing edge of the CIA plume is located west-northwest and slightly crossgradient to the J-1 North plume and has been found not to be co-mingled with the contamination from the J-1 Range (Refer to Figure 4-1 of AMEC 2008). Due to the location of the J-1 Range near the top of the groundwater mound (further discussed in Section 2.4.6), groundwater from this area generally flows beneath (i.e. deeper than) the CIA plume, and

contamination has yet to be detected in the deeper well screens in the CIA downgradient of the J-1 Range. Soil and groundwater contamination associated with the CIA are currently managed as a separate site and are not expected to impact or influence the J-1 Range investigations. The L Range, J-3 Range and J-2 Range are located adjacent to portions of the J-1 Range (Figures 2-1 and 2-2). The following documents present assessments of the nature and extent and fate and transport of contamination at these sites:

- *Final L Range Groundwater Characterization Report (ECC 2005b)*
- *Draft L Range Soil and Groundwater Remedial Investigation and Feasibility* Study (ECC 2009).
- *Draft J-3 Range Soil Remedial Investigation Report* (ECC 2006)
- *Draft J-3 Range Groundwater Remedial Investigation and Feasibility Study* (ECC 2006c)
- *Draft J-2 Range Groundwater Remedial Investigation and Feasibility Study* (ECC 2007)

2.4 Environmental Setting

2.4.1 Geographic Setting

The MMR 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 MMR is residential or commercial development. The MMR is situated adjacent to the towns of Bourne, Sandwich, Falmouth, and Mashpee. The J-1 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 US 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-1 Range will not significantly change over time. An Upper Cape Regional Water Co-op operates three water supply wells. (WS-3) is located approximately 8,700 feet cross gradient and downgradient of the most downgradient extent of the J-1 Range northern plume.

2.4.2 Cultural Setting

Land use near MMR is primarily residential and recreational, and secondarily agricultural and industrial. Portions of the MMR are opened for deer and turkey hunting by permit from the Massachusetts Division of Fisheries and Wildlife. The major agricultural land use near the MMR 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).

MMR contains a cantonment area which 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 MMR are used as airfields and other military support facilities. The MMR resident population increases by as much as several thousand people during the summer training activities.

The northern area in which the J-1 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-1 Range will not significantly change over time. An Upper Cape Regional Water Supply Co-operative water supply well (WS-3) is located approximately 8,700 feet cross gradient and downgradient of the most downgradient extent of the J-1 Range northern plume.

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.

2.4.3 Ecological Setting

The northern two-thirds of the MMR 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 MMR 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 MMR 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 MMR. 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 MMR 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 MMR 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 MMR; however, the MMR 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).

2.4.4 Climate

The climate for Barnstable County, where the MMR 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 29.6^{o} F 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).

2.4.5 Geology

The J-1 Range groundwater study area 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 the 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. Coarse textured basal till, consisting of poorly sorted sands and gravels, occurs sporadically across the top of the bedrock surface. Coarser grained sands and gravels, deposited in glaciofluvial environments, usually overlie the glaciolacustrine deposits and are more continuous across the plain. Overlying these glaciofluvial deposits is a thin veneer of eolian silt (Fletcher 1993). A general description of the geology of Cape Cod, the geology of the Southeast Ranges, and the soils in the Southeast Ranges is provided in the *Draft J-2 Range Groundwater Remedial Investigation and Feasibility Study* (ECC 2007).

The J-1 Range northern area stratigraphy is shown on three cross sections (plan view Figure 2-10, cross sections Figures 2-11 through 2-13) and the J-1 Range southern area stratigraphy is shown on three cross sections (plan view Figure 2-14, cross sections Figures 2-15 through 2-16).

2.4.6 Hydrogeology

The J-1 Range groundwater study area is ocated within the Sagamore Lens of the Western Cape Cod aquifer. Numerous groundwater investigations have been conducted for the SE Range plumes. These investigations have addressed many aspects of the hydrogeologic conditions pertinent to the J-1 Range. A general description of the hydrogeologic setting for the Southeast Ranges is provided in the *Draft J-2 Range Groundwater Remedial Investigation and Feasibility Study* (ECC 2007). This section summarizes the water table and top of mound characteristics, hydraulic gradients and groundwater flow velocities.

2.4.6.1 Water Level Elevations

Water level elevation data in the Southeast Ranges collected in 2000, 2003, and 2004, along with water level contours and top of mound positions are presented in the *Draft J-2 Range Groundwater Remedial Investigation and Feasibility Study* (ECC 2007). The 2003 water level contours are also provided on Figure 2-10 for the J-1 Range North groundwater study area and on Figure 2-14 for the J-1 Range South groundwater study area.

Water levels in the upgradient portions of the J-1 Range plumes generally vary from 68- to 70-feet msl with unusually high water levels (71- and 72-feet msl) in 2007 and 2008. Groundwater elevations in the downgradient portions of the J-1 Range northern groundwater study area (e.g., MW-430, MW-401, MW-479) are typically three feet lower than for upgradient areas. Groundwater elevations in the downgradient portions of the J-1 Range southern groundwater study area (e.g., MW-400, MW-402, MW-403) are typically one foot lower than for upgradient areas.

2.4.6.2 Hydraulic Gradients

A synoptic groundwater elevation data set from May 17, 2004 was used to calculate horizontal hydraulic gradients for a series of triangular areas in the J-1 Range North groundwater study area as shown in Figure 2-17. The magnitude and direction of flow for these triangular areas are represented by the arrows and gradient table presented in Figure 2-17. The geometric mean for hydraulic gradients calculated from the data set shows 0.0003 feet/feet. The magnitude of the horizontal gradient is variable within the dataset, but generally increases with distance from the top of mound. The largest gradients were observed in the middle and downgradient portion of the plume. Results indicate that the dominant azimuth is to the northwest, although directions of gradients closer to the top of mound may vary considerably, as shown in triangles 1071 and 1072 pointing in a northwesterly direction, triangle 1069 pointing in a northerly direction, and triangle 1070 pointing in a northeasterly direction. In general, horizontal groundwater gradients calculated for the triangular areas are small, reflecting the relatively flat groundwater table proximal to the top of mound. Due to the flat gradients near the top of mound, small errors in field observations can have a large impact on calculated gradients. Thus, the large variability of flow direction near the top of mound presented in the triangular elements in Figure 2-17 may not be representative of actual conditions. It should be noted that although triangles 1083 and 1082 in Figure 2-17 show a northwesterly trajectory (315 degrees and 327 degrees, respectively), adjacent triangles

just to the east (1078 and 1077) show a more north-northwesterly flow direction (339 degrees and 342 degrees, respectively). The water levels observed during the May 2009 sampling events indicate that the groundwater flow direction is similar to previous observations and model-predictions, indicating the core of the perchlorate plume is flowing toward MW-256.

A synoptic groundwater elevation data set from November 17, 2005 (the latest data set available) was used to calculate horizontal hydraulic gradients for a series of triangular areas in the J-1 Range southern groundwater study area as shown in Figure 2-18. The magnitude and direction of flow for these triangular areas are represented by the arrows and gradient table presented in Figure 2-18. The geometric mean for hydraulic gradients calculated from the November 2005 data is 0.0004 feet/feet. In general, the magnitude of the horizontal gradients is highly variable, although maximum value of 0.0009 feet/feet is located near the downgradient edge of the study area. This is in agreement with the conceptual model of groundwater flow. Results indicate that the dominant azimuth of the hydraulic gradients is to the south-southeast. The easterly oriented gradients in triangles 9 and 10 are likely a result of the FS-12 extraction, treatment, reinjection system. In general, horizontal groundwater gradients calculated for the triangular areas are small, reflecting the relatively flat groundwater table proximal to the top of mound.

For the J-1 Range groundwater study area, gradients near the top of mound are very flat and small errors in field observations can have a large impact on calculated gradients. Thus, the large variability of flow direction near the top of mound presented in the triangular elements in Figures 2-17 and 2-18 may not be representative of actual conditions.

Vertical hydraulic gradients were computed for nested well pairs in the J-1 Range groundwater study area. The chosen well pairs were within, or adjacent to, the J-1 Range plumes in upgradient, downgradient, and crossgradient locations (Table 2-1). Vertical gradients calculated from data collected from November 2003 to August 2007 and ranged from 0.0010 feet/feet to -0.011 feet/feet for J-1 Range northern area and 0.0006 feet/feet to -0.002 feet/feet for the J-1 Range southern groundwater study area. The resulting values indicate an essentially flat or slightly downward gradient as vertical gradient values less than +/- 0.01 are outside the limits of measurement precision.

2.4.6.3 Hydraulic Conductivity and Porosity

Hydraulic conductivity values were estimated from grain-size samples in selected borings using the Hazen and Beyer methods (Vukovic and Soro 1992) (Table 2-2). For nine of the samples, hydraulic conductivity could not be calculated, either because the sieve data lacked some values required for inputs, or because the data did not meet all of the criteria for use with the equations. This generally occurs when the sample is either too fine or too coarse to provide all of the sieve-size outputs. The following discussion of hydraulic conductivity for various lithologic units is based on the hydraulic conductivity (K) values that were successfully calculated from grain-size data.

As described in Section 2.4.5, the subsurface geology consists of a matrix of glaciofluvial stratified sand and gravel with a few laterally and vertically discontinuous glaciolacustrine lenses overlying glacial till. The K of sands (SP, SW) calculated from grain-size data range from 13 feet/day to 310 feet/day (Table 2-2). The poorly-graded medium and coarse sands comprise the largest volumetric percentage of the aquifer. The K of the gravels and most of the sands with higher percentages of gravel (greater than 10 percent) is slightly higher, ranging from 13 feet/day to 582 feet/day (Table 2-2). Anisotropy in sands is assumed to range from 3:1 to 10:1, depending on grain size (Masterson et al. 1997). The glaciolacustrine lenses and glacial tills within the study area were too fine grained to calculate K values. In general, these fine-grained units have hydraulic conductivities less than 10 feet/day with anisotropies up to 100:1 (Masterson et al. 1997).

Site-specific porosity data have not been collected from the study area; however, other studies on upper Cape Cod indicate that the effective porosity (ne) 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 study area.

2.4.6.4 Groundwater Flow Velocities

Groundwater flow velocities (v) are dependent on hydraulic conductivity, gradients, and effective porosity and are a key factor for estimating travel times for groundwater plumes.

$v = K (i/ne)$

Where

K = hydraulic conductivity (feet/day)

i = horizontal gradient (feet/feet)

ne = effective porosity

- For this assessment, velocities were calculated for representative hydraulic conductivity values of 100 and 200 feet/day (based on grain size). For the evaluation of velocities, the average horizontal gradient of 0.0004 feet/feet and the maximum horizontal gradient of 0.0009 feet/feet were considered. Using an effective porosity of 0.30, the average linear velocities are 0.1 and 0.3 feet/day for the average gradient (0.0004 feet/feet). For the steepest gradient (0.0009 feet/feet), the average linear velocities increase to 0.3 and 0.6 feet/day for conductivity values of 100 and 200 feet/day, respectively.

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3.0 GROUNDWATER CHARACTERIZATION ACTIVITIES AND NATURE AND EXTENT

3.1 Groundwater Characterization Activities

Investigation of the J-1 Range was initiated in 1997 with groundwater and soil samples collected at areas identified as having the highest probability of contaminant releases. From 1997 to 2004, 24 monitoring well borings and two boreholes were advanced and 55 monitoring well screens were installed during the initial phases of work (AMEC 2004), as detailed in the *J-1, J-3, L Ranges Final Workplan* (Ogden 2000), *J-1, J-3, L Ranges Additional Delineation Workplan No. 1* (AMEC 2001a), and the *J-1, J-3, L Ranges Additional Delineation Workplan No. 2* (AMEC 2001b). The primary focus of the initial investigations was centered on RDX and HMX contamination, with the analysis of perchlorate added in 2000.

This section describes the investigative activities conducted from late 2004 through May 2008 to characterize the groundwater contamination associated with the northern portion of the J-1 Range, and the activities conducted from late 2004 through early November 2008 to characterize groundwater contamination associated with the southern portion of the J-1 Range. The scope and technical approach for this phase of the J-1 Range investigation was outlined in the *Final J-1 Range Supplemental Groundwater Workplan* (AMEC 2004) and the *J-1 Range Southeast Plume Investigation Project Note* (IAGWSP 2005), which included groundwater modeling activities, water level surveys, drilling, monitoring well installation, and groundwater sampling.

The synoptic water level surveys, drilling, monitoring well installation and groundwater sampling were conducted in accordance with the above mentioned plans, except for the minor deviations noted in Section 3.1.6. Activities conducted in support of the drilling program, such as surveying, are also described in this section. All field activities were conducted pursuant to agency-approved, MMR-specific procedures (AMEC 2001). The results of the field investigations, including interpretation of the hydrogeologic data and analytical results, are presented in Sections 2.3 and 5.0.

3.1.1 Groundwater Modeling

The SE Ranges flow and transport model was developed in 2004 to encompass all of the SE Ranges including the J-1 Range northern groundwater study area. This model was used to help site wells in the J-1 Range northern groundwater study area. In 2006, the J-1 South model was developed to simulate the J-1 Range South plume and was updated in 2009. Both the SE Ranges model and the J-1 southern model were used to assist in selection of drilling locations in the J-1 Range southern area. Data collected from drilling activities and water level surveys was used during model development. Specific issues addressed during calibration of these models included flow directions, groundwater travel times, and pond-aquifer interaction.

3.1.2 Synoptic Water Level Survey

A synoptic water level survey of 122 monitoring wells was performed in August 2003 to further refine the understanding of groundwater flow directions in the SE Ranges; especially in relation to the top of the mound and previous interpretations of top of the mound positions, to quantify vertical and horizontal gradients, and to help update both regional and subregional area-specific groundwater models used in the SE Ranges. This water level measurement event was accompanied by a resurveying of top of well casing location (x, y) and elevation (z) for all wells in the synoptic event. The updated models were then used to select appropriate locations for additional monitoring wells (in all of the SE Ranges), to provide insights on possible transient impacts on contaminant fate and transport, evaluate aquifer-pond interactions, and to test proposed remedial alternatives. Locations, survey coordinate data, and synoptic water level results are presented in the *Draft J-2 Range Groundwater Remedial Investigation and Feasibility Study Report* (ECC 2007a).

A second synoptic water level survey of 108 monitoring wells was performed in May 2004. This survey refined and updated the SE Ranges conceptual groundwater models. During scoping of the synoptic event, it was agreed to broaden the scope of the water level assessment to encompass the L Range, J-1 Range and J-2 Range plumes. Locations and synoptic water levels measured in this synoptic water survey are presented in the *Draft J-2 Range Groundwater Remedial Investigation and Feasibility Study* (ECC 2007a) report.

An additional focused synoptic survey consisting of 34 monitoring wells was performed on November 17, 2005 and was used to update and refine the groundwater model in the off-post area downgradient of the southern area of the J-1 Range. Locations and water levels measured in this synoptic water survey are presented in Table 3-1.

The Final J-1 Range Supplemental Groundwater Workplan (AMEC 2004) outlined a comprehensive water level survey and up to two limited extent water level surveys. During the investigation three synoptic events were conducted in August 2003, May 2004 and November 2005. Wells where water level measurements were collected are summarized in Table 3-1 and in the *Draft J-2 Range Groundwater Remedial Investigation and Feasibility Study* (ECC 2007a). Substitutions and/or additions were made based upon well availability and the need to expand the suite of wells monitored to characterize the entire SE Ranges area. The substitutions were made in areas that did not result in a significant change in the interpretation and mapping of the water table.

3.1.3 Drilling and Well Installation

Drilling and well installation activities outlined in the J-1 supplemental groundwater work plan were conducted according to the general parameters identified in the work plan (AMEC 2004); however, during the investigation, numerous drilling locations were revised and additional locations were added. The scope of the investigation grew based on groundwater profile results from predecessor wells and updated conceptual site models.

Unexploded ordnance clearance was performed at all well installation locations prior to initiation of drilling or sampling activities. Locations were drilled using dual rotary technology, rotosonic technology, hollow-stem auger technology and drivepoint technology. Groundwater profile samples (samples of groundwater collected from the bottom of the drill casing during borehole advancement) were collected every 10 feet from the water table to bedrock target depth or refusal. Profile samples were analyzed for explosives by EPA Method SW846/8330 and perchlorate by EPA Method E314.0. Profile samples from select locations were also analyzed for VOCs by EPA Method SW846/8260B. The chemical results are discussed in Section 3.2 and presented in Appendix D. These analyses were performed on an expedited basis, and the results were used to help determine well screen settings (i.e. the number of screens per location and the elevation of each screen) and the position of other planned wells. Drilling locations, monitoring wells, and piezometer locations are identified in Figure 2-3 and Figure 2-4 and are summarized in Table 3-2.

Lithologic characterization of all the borings included a description of the unconsolidated material and a description of bedrock where encountered. Grain-size analysis was conducted on soil samples collected from select borings. The soils were classified using the *American Society for Testing and Materials (ASTM) Unified Soil Classification System (USCS)* (ASTM-D2487). Lithologic data was recovered from boreholes advanced using sonic and dual-rotary methodology; no lithologic data was collected at auger or drivepoint locations. At borings drilled with sonic drilling methodology, continuous soil cores were collected from ground surface to bedrock and bedrock was cored for five feet to identify the bottom of the aquifer. At borings drilled with dual rotary technology, soil samples were collected every 10 feet. The boring logs are provided in Appendix A, and grain-size results are provided in Appendix B.

3.1.3.1 J-1 Range Northern Area Drilling and Well Installation

As part of the J-1 Range northern area Investigation, 18 boreholes were advanced, and 36 monitoring wells and one piezometer were installed. J1P-21 (MW-303), J1P-22 (MW-306) and J1P-27 (MW-315) were drilled at the locations identified in the work plan. Eight of the nine remaining locations (J1P-23 [MW-346], J1P-24 [MW-326], J1P-25 [MW-349], J1P-26 [MW-369], J1P-28 [MW-370], J1P-29 [MW-401], J1P-30 [MW-430], and J1P-32 [MW-479]) cited in the supplemental work plan were drilled downgradient of the Interberm Area using previous results and groundwater modeling to site the locations. Screens were set at each location based on profile data results and, in cases where there were no detects in the profile data, on groundwater modeling. Location information and screen elevation information is summarized in Table 3-2. These locations, along with previously installed IAGWSP monitoring well locations, helped define the main lobe of the J-1 Range North groundwater plume (Figure 2-3).

Location J1P-31 (MW-477) was installed on the downgradient side of the 2,000 meter Berm Area (Figure 2-3) due to detects of explosive compounds in soil samples suggesting that this area was a potential source of groundwater contamination. Detects of RDX at this location led to six additional locations (J1IA-P01 [MW-484], J1IA-P02 [MW-485], J1IA-P03 [MW-486], J1IA-P04 [MW-493], J1A-P05 [MW-494], and J1HUTA2T3-P01 [MW-487]) not included in the original work plan. These locations

define the western lobe of the J-1 Range northern groundwater plume (Figure 2-3). As with other locations, profile results and modeling were used to set the monitoring well screens and to select well locations (Table 3-2). It should be noted that wells were not installed in the MW-493 and MW-494 boreholes.

3.1.3.2 J-1 Range Southern Area Drilling and Well Installation

As part of the J-1 Range southern area Investigation, 31 boreholes were advanced and 19 monitoring wells and six piezometers were installed. Only one of the boreholes, J1P-20 (MW-360), was included in the supplemental work plan (AMEC 2004) and it was installed at the location cited in the work plan. This location was drilled to bedrock. Since profile results at this location were non-detect for explosives and perchlorate, well screen placement was determined using groundwater modeling information (Table 3-2). Additional locations were drilled to the north, along Greenway Road, and the results are discussed in the *Draft J-2 Range Groundwater Remedial Investigation/Feasibility Study* (ECC 2007a).

Subsequent to the installation of J1P-20, a series of drive-point borings (DP-378, DP-379, DP-384, DP-385, DP-386 and DP-387) were installed along the MMR Boundary downgradient of the J-1 Range per the *J-1 Range Southeast Plume Investigation Project Note* (IAGWSP 2005). Detections of explosives (primarily RDX) in these borings lead to the installation of a monitoring well (J1P-33, MW-398) near the drive-point location with the highest detect of RDX (DP-384) and the installation of three upgradient drive-point locations (DP-389, DP-390 and DP-391) to define the upgradient portion of the RDX plume. In an attempt to define the leading edge of the plume, three additional monitoring well locations (J1P-34 [MW-403], J1P-35 [MW-400], and J1P-36 [MW-402]) were sited downgradient along Little Acorn Road. These locations, as seen at the base boundary, were selected based on groundwater modeling of the detects. Additionally, a drivepoint was advanced through the bottom of existing location 90WT0010 to determine if the RDX had advanced to Route 130. Profile results from the Little Acorn Road well-fence locations were non detect. Wells installed at these locations were also based on groundwater modeling information (Table 3-2).

In an attempt to define the core of the plume downgradient of the base boundary, three additional locations (J1P-37 [MW-480], J1P-38 [MW-481], and J1S-P02 [MW-482]) were sited along Windsong Road based on groundwater modeling results from upgradient and downgradient locations (Figure 2-4). An additional two locations (J1S-P01 [MW-483] and J1S-P03 [MW-488]) were installed along the base boundary to further define the core of the plume and for use as hydraulic control locations for the J-1 Range Groundwater Rapid Response Action (RRA) system that began operation in October 2007.

During routine groundwater monitoring activities in late 2007 and spring 2008, RDX was detected in the shallow screen at the southernmost location on the Little Acorn well-fence (MW-402M2). This well is located further downgradient and slightly south of the previously conceptualized leading edge of the J-1 Range southern RDX plume. These detections lead to the installation of ten additional drive-point locations (DP-498, DP-499, DP-500, DP-503, DP-504, DP-505, DP-508, DP-512, DP-513 and DP-514) to further

define the downgradient portion of the plume, and one upgradient drive-point location (DP-507) to refine the RDX mass distribution upgradient of the extraction well (J1SEW0001) (Figure 2-4). Profile samples from these locations were analyzed for explosives by EPA Method SW846/8330. Additionally, profile sampling at several of these locations commenced approximately 30 feet into the water table rather than at the top of the water table. Unlike the drive-point locations installed earlier in the investigation, these drive-point casings were removed after groundwater profile samples were collected because they were not intended to be permanent monitoring locations. Follow-on work to the drive point program included the drilling of seven additional monitoring wells (MW-521, MW-522, MW-523, MW-524, MW-525, MW-526 and MW-527) to further refine the downgradient portion of the plume and the drilling of one additional location (MW-528) to define the remaining upgradient portion of the plume. As with the drive-point program, drilling at these locations commenced at approximately 30 feet into the water table.

3.1.4 Surveying

All monitoring well locations were surveyed by a professional land surveyor licensed by the Commonwealth of Massachusetts. Horizontal positioning was referenced to the North American Datum 1983, Universal Transverse Mercator (UTM) Zone 19 North in meters. The vertical datum was referenced with an accuracy of 0.005 feet of vertical/horizontal control to the North American Datum of 1927. Horizontal locations of additional polyvinyl chloride (PVC) well and piezometer casings in the same well boring were surveyed. Elevations were calculated using post-processing software and are referenced to the top of the PVC pipe at the designated mark.

3.1.5 Monitoring Well Sampling

Groundwater samples collected from monitoring wells in the J-1 study areas were historically collected as part of the *Draft Long-Term Groundwater Monitoring Plan* (AMEC 2005). The long-term groundwater monitoring (LTGM) program has since been superseded by site specific monitoring plans. The J-1 Range northern area plume monitoring is detailed in the *Final J-1 Range North Interim Groundwater Monitoring Plan* (ECC 2006) and further refined as part of the *Final J-1 Range North Interim Groundwater Monitoring Submittal* (ECC 2008). The J-1 Range southern area plume monitoring is detailed in the *Final J-1 South Rapid Response Action System Performance Monitoring Plan* (ECC 2007b). The analytical results of samples collected from monitoring wells are presented in Appendix E and the water quality parameters measured during groundwater sampling are presented in Appendix F. A discussion of previous results is included in the supplemental work plan (AMEC 2004).

3.1.5.1 Existing Monitoring Wells

As noted above, existing monitoring wells were sampled as part of the long-term monitoring program. Most of these monitoring wells have been included in the site specific monitoring plans for the J-1 Range groundwater study area.

3.1.5.2 Newly Installed Monitoring Wells

All of the monitoring wells installed as part of the J-1 supplemental groundwater investigation were sampled approximately every four months, for a total of three times within one year of installation. The analytical suite for these new wells varied by location and is listed in Table 3-2. The results of the first three sampling rounds, along with consideration of the conceptual model of the plume distribution and groundwater modeling were used to determine which new wells to include in the site-specific groundwater monitoring plans, listed above.

It should be noted that groundwater samples were not collected three times during the first year from the initial drive-point locations installed in the J-1 Range southern area (DP-378, DP-379, DP-384, DP-385, DP-386, DP-387, DP-389, DP-390 and DP-391) because the screens were driven below the plume during casing advancement, and sampling the locations would not provide useful chemical data results.

3.2 Nature and Extent of Groundwater Contamination

This section presents the analysis and interpretation of groundwater drilling profile results and groundwater monitoring well sampling results collected through 2009 within the J-1 northern and southern groundwater study areas in support of J-1 groundwater investigations and other monitoring programs (Section 3.1). The primary site-related contaminants in the northern groundwater study area are perchlorate and RDX and the primary site-related contaminant in the southern groundwater study area is RDX. Perchlorate, RDX, and octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) concentrations in groundwater from monitoring well samples are presented in Table 3-3 and Table 3-4. All of the chemical data results are presented in Appendices D and E and the distribution of the primary site-related contaminants are shown on maps and cross sections. Refer to the Draft J-2 Range Groundwater Remedial Investigation and Feasibility Study (ECC 2007) for a discussion of development of plume representations on maps and cross sections.

3.2.1 Northern Area

The northern plume depictions and following discussion utilizes validated results from wells sampled prior to May 2008. Analytical data available after this date is included in Appendix I, and has been presented in the *J-1 Environmental Monitoring Report - 2009* (ECC 2009). The northern plume is defined by perchlorate and RDX (primary site-related contaminants) detections in groundwater (Figures 3-1 and 2-10). The main lobe of the plume consists of perchlorate and RDX detections and the western lobe consists primarily of RDX detections with some isolated perchlorate detections (Figure 3-1). Vertical distribution of RDX is shown on cross sections A-A', C-C' and B-B' (Figures 2-11 through 2-13). The vertical distribution of perchlorate is shown on cross sections A-A' and C-C' (Figures 3-2 and 3-3).

3.2.1.1 Perchlorate

The northern perchlorate plume, defined by detectable concentrations, is approximately 4,600-feet long and approximately 1,000-feet wide at its widest point (Figure 3-1). There are also three, small, isolated areas where perchlorate was detected just west of the main plume (Figure 3-1). The plume as defined by perchlorate above the Massachusetts maximum contaminant level (MMCL) (2 µg/L) is approximately 3,900 feet long and approximately 800-feet wide at the widest point. The plume trajectory is north to northwest. The perchlorate plume is no longer detected at the source area; MW-136S and M1, MW-189S, and MW-191S, M1, and M2 are non-detect for perchlorate. Just downgradient of the source area, the plume is detected from approximately 30 feet below the water table (40-feet msl) to 70 feet below the water table (negative 110-feet msl). The plume has a relatively flat trajectory with the center of the toe of the plume projected at approximately negative 30-feet msl (Figure 3-2).

The current upgradient portion of the perchlorate plume is characterized by low concentrations (maximum concentration less than 5 µg/L) from approximately 40-feet to negative 110-feet msl. There are no recent detections of perchlorate at monitoring wells MW-136, MW-191, MW-58, MW-166, and MW-188, which bound the upgradient extent of the perchlorate plume. Previously, perchlorate was detected once at MW-191S (0.83J µg/L, August 2002), but subsequent samples have been non-detect. Just downgradient of the source area, perchlorate has been detected from approximately 40-feet msl to negative 110-feet msl at MW-303. The historical maximum concentration of perchlorate, in this area of the plume, was 31 µg/L (MW-303M2, March 2004); the current maximum perchlorate concentration is 3.8 µg/L (MW-303M2, June 2008).

The core of the perchlorate plume, defined by concentrations above 24 µg/L, contains the highest concentration of perchlorate currently detected in the plume. The perchlorate plume in this area is the most vertically and horizontally extensive and shows a fairly flat trajectory (Figure 3-2). The plume is thicker (10-feet to negative 100-feet msl) and more heterogeneous upgradient of MW-265 compared to downgradient of this well (0-feet to negative 50-feet msl). The highest perchlorate concentration (66 µg/L) was observed during drilling at MW-346. Declining perchlorate concentrations have been observed at the shallower wells MW-346M3, and M4 while increasing perchlorate concentrations were observed at the deeper wells (MW-346M1 and M2) demonstrating vertical heterogeneity within the plume (Figure 3-4). The concentrations trends at MW-346M1, M2, M3, and M4 also indicate the shallow contamination is moving more rapidly downgradient than the deeper contamination. The current maximum perchlorate concentration is observed at the leading edge of the core of the plume (MW-370M2, 47.1 µg/L, May 2008). Perchlorate concentrations at MW-370M2 have been gradually increasing from 7.2 µg/L detected during drilling (May 2005) to 47.1 µg/L (May 2008).

The extent of the downgradient portion of the plume (downgradient of MW-370 and the 24 µg/L perchlorate isocontour) is estimated based on upgradient and downgradient observations; namely concentrations at MW-370 and MW-286 and non-detects at monitoring wells along Wood Road. The plume is predicted to taper slightly as it migrates downgradient of MW-370 and MW-286 (Figure 3-2).

3.2.1.2 RDX

The main RDX plume, defined by detectable concentrations, is approximately 4,900-feet long and approximately 1,300-feet wide at the widest point (Figure 2-10). The main RDX plume as defined by detections of RDX above 0.6 µg/L is approximately 4,100-feet long and 1,200-feet wide at the widest point. The western RDX plume, defined by detections of RDX above 0.6 µg/L is approximately 3,300-feet long and 470-feet wide at the widest point. The western RDX plume as defined by detections of RDX above 0.6 µg/L is approximately 3,800-feet long and 500-feet wide at the widest point. There is also an isolated detection of RDX downgradient of the main northern RDX plume.

The farthest upgradient detections of RDX are observed at MW-136. No detections of RDX were observed at MW-189, thus defining the upgradient extent of the plume (Figure 2-10). RDX concentrations in source area wells have been gradually decreasing from 2.1J (estimated value) µg/L (MW-191M2, January 2002) to 0.77 µg/L (M-191M2, April 2007) (Figure 3-5). The RDX plume is fairly thin at the source area (approximately 30-feet thick), but just downgradient of the source area the RDX plume thickens considerably to approximately 160 feet (MW-303, 50-feet to negative 110-feet msl). The area near MW-303 is the thickest portion of the plume, has the greatest heterogeneity, and is the area where the maximum RDX concentrations have been detected (36.5 µg/L, MW-303) (Figure 2-11).

In the area between MW-303 and MW-370 (the mid-portion of the plume) RDX is detected over a broader area (1,300-feet wide at MW-369) and gradually thins laterally and vertically to 700-feet wide and 50-feet thick at MW-370. The mid-portion of the RDX plume is characterized by lateral and vertical heterogeneity. The maximum RDX concentration in the mid-portion of the plume was detected during drilling at MW-306 (22 µg/L), but there are no other detections above 6 µg/L in the mid-portion of the plume. Subsequent monitoring well samples at MW-306 have gradually decreased to 0.61 µg/L (MW-306M2, April 2007). The current maximum RDX concentration in the mid-portion of the plume is 3.8 µg/L (MW-306M1) (Figure 2-11).

The extent of the downgradient portion of the plume (downgradient of MW-370) and the 2 µg/L RDX isocontour) is estimated based on upgradient and downgradient observations, namely concentrations at MW-370 and MW-286, and lack of recent detections at monitoring wells along Wood Road. The plume is predicted to taper slightly as it migrates downgradient of MW-370 and MW-286 (Figure 2-11). There have been isolated, low-concentration (below 1.7 µg/L), historic detections of RDX at MW-205.

Crossgradient of the main RDX plume is the western RDX plume. The most upgradient RDX detections in the western lobe were at MW-486 from 20-feet to negative 20-feet msl (more than 40 feet below the water table) indicating the source of RDX detections at MW-486 is farther upgradient. The western RDX lobe is defined by detections at MW-486, MW-485, MW-477, and MW-487. The MW-485, MW-477, and MW-487 detections are relatively thin and narrow at the source (approximately 10-feet thick and 200-feet wide) and broaden downgradient (approximately 50-feet thick and 450-feet wide). The historic maximum RDX detection was observed during drilling of MW-487 (14 µg/L,

March 2007) with the current maximum RDX concentration of 7.6 µg/L (MW-487M2, December 2007).

3.2.1.3 Other Explosive Compounds

Other explosive compounds have been detected in the northern groundwater study area. Detects and maximum concentrations for all explosive compounds are summarized in Table 3-5 for monitoring well samples and Table 3-6 for profile samples.

Other than RDX, the following compounds have also been detected in groundwater: HMX, 1,3,5-trinitrobenzene, 2,4,6-trinitrotoluene (TNT), 2-amino-4,6-dinitro-toluene, 2,6-dinitrotoluene, 2,4-diamino-6-nitrotoluene, 2-nitrotoluene, 3-nitrotoluene (3-NT), 4-amino-2,6-dinitrotoluene (4A-DNT), nitrobenzene, picric acid, and tetryl. None of the detects have exceeded regulatory levels (i.e. maximum contaminant levels [MCLs], MMCLs, or HAs), except for one detection of TNT observed during drilling of MW-118 (4J µg/L, 120-feet bgs), which exceeded its health advisory. TNT was not detected during subsequent monitoring well sampling. Most of the detections of other explosives in monitoring well samples occurred in monitoring wells located near, or just downgradient of the source area of the main RDX plume.

None of the HMX detects within the J-1 Range North groundwater study area exceed the EPA HA of 400 µg/L or the MCP GW-1 standard of 200 µg/L (the maximum detected concentration is 110J µg/L). HMX detections in monitoring well samples are presented in Table 3-3. The HMX detections in monitoring well samples and profile samples are summarized in Tables 3-5 and 3-6, respectively. These low-level concentrations of HMX were detected at locations within the footprint of the J-1 Range North RDX plume.

3.2.1.4 Semi-Volatile Organic Compounds (SVOCs)

In the northern groundwater study area, over 300 samples collected from 75 monitoring wells were analyzed for SVOCs and sporadic detects were observed. The SVOC detects and maximum concentrations are summarized in Table 3-5. No detections of SVOCs exceeded the regulatory threshold with the exception of one detection of bis(2-ethylhexyl)phthalate (BEHP) in MW-477M2 at a concentration of 14 µg/L (MCL = 6 µg/L) in the January 2007 sample. The sporadic nature of the SVOC detections combined with BEHP being a common sampling artifact and/or laboratory contaminant suggests that SVOCs are likely not site-related.

SVOC groundwater tentatively identified compounds (TICs) have generally been laboratory artifacts (e.g., aldol condensation products or column bleed), or, in the case of the detects seen at MW-187 in the J-1 Range northern plume, compounds associated with fuels and fuel related products such as substituted benzene rings, higher molecular weight iso-alkanes and substituted low weight PAHs (dimethyl napththalene isomers), etc.

3.2.1.5 Volatile Organic Compounds (VOCs)

In the northern groundwater study area, over 290 samples collected from 76 monitoring wells were analyzed for VOCs. Table 3-5 summarizes the VOC detections and maximum concentrations in monitoring well samples. Groundwater profile samples from 30 locations were also analyzed for VOCs. Table 3-6 summarizes the compounds detected and maximum concentrations in profile samples.

Several of the VOCs detected are likely laboratory or sampling artifacts (e.g., acetone, bromomethane) and are not indicative of groundwater quality. Additionally, chloroform, which occurs naturally in the groundwater in the Sagamore Lens, was detected in several groundwater samples. Benzene, ethylbenzene, xylenes, and toluene were detected in the monitoring well samples collected from MW-187D. The maximum detected concentration of benzene was 1,300 µg/L, detected in February 2002, with concentrations decreasing to 42 µg/L in April 2007. Benzene has also been detected in profile samples (MW-136, MW-192, MW-303, MW-306, MW-401) and in monitoring wells (MW-192M3 and MW-245M1) at concentrations below 1 µg/L. Benzene was only detected at elevated concentrations at one location (MW-187D) and concentrations have been decreasing. No other benzene, ethylbenzene, xylenes, and toluene compounds were detected at elevated concentrations. Other VOCs (Tables 3-5 and 3-6) detected in the J-1 Range North groundwater study area occurred sporadically at low concentrations. There is no discernible pattern to the detections. Detections of VOCs are further evaluated in the Risk Screen (Section 6.0)

3.2.1.6 Pesticides, PCBs, and Herbicides

Monitoring well samples were analyzed for pesticides, PCBs, and herbicides.

Pesticides: Over 100 monitoring well samples were collected from 38 monitoring wells for pesticide analysis. Aldrin, beta hexachlorocyclohexane, dieldrin, and gamma-chlordane were detected – all below their respective Massachusetts Groundwater-1 standards. Table 3-5 summarizes the detections and maximum concentrations.

PCBs: Over 100 monitoring well samples were collected from 38 monitoring wells for PCB analysis. No PCBs were detected.

Herbicides: Over 100 monitoring well samples were collected from 38 monitoring wells for herbicide analysis. Chloramben and pentachlorophenol were detected below their Massachusetts Groundwater-1 standard.

The pesticide and herbicide detections are low concentration and sporadic and are not indicative of groundwater contamination in the J-1 Range North groundwater study area.

3.2.1.7 Metals

Over 100 monitoring well samples were collected from 38 monitoring wells for metals analysis. The detects and maximum concentrations of all the metals are summarized in Table 3-5.

Antimony was detected in three sample collected at MW-253M1 in 2003. The maximum detection was 6.6 µg/L. Thallium was detected in four samples with the maximum concentration of 7.3J µg/L (MW-58S, May 2000). Four subsequent samples from this well had no detections of thallium. Aluminum, iron, and manganese were also detected. There were 34 detections of aluminum with a maximum concentration of 5,750 µg/L. There were 45 detections of iron with a maximum concentration of 8,080 µg/L. There were 122 detections of manganese with a maximum concentration of 344 µg/L. There were six detections of sodium greater than 20,000 µg/L all of which were located at MW-187D, with a maximum concentration of 27,100 µg/L.

The highest detections of aluminum and manganese occur at MW-168M1. The last time this location was sampled, in September 2005, the dissolved oxygen was 1 mg/L. The low dissolved oxygen, indicative of reducing conditions, could account for the higher than average detects of aluminum, manganese and iron. The highest detection of Iron is seen at location MW-187D, which has historically had low dissolved oxygen and detections fuel related compounds. The low dissolved oxygen is likely related to the reducing conditions caused by the fuel-related compounds, and the higher Iron may be associated with the reducing conditions. Other high detects for iron occurred at location MW-168M1, where the highest detects of aluminum occurred. There is no discernable pattern, other than elevated detects at two locations, to the higher than average detections of aluminum, iron and manganese in the J-1 Range northern area. Metal detections are further evaluated in the risk screening (Section 6.0).

3.2.1.8 Radiological Parameters

Several radiological parameters were measured in samples from groundwater. Gross alpha had four measurable levels with the highest measurement of 3.2 picocuries per liter (pCi/L) at MW-168M1. This level was below the 15 pCi/L MCL for gross alpha. Gross beta had 51 measurable levels with a maximum level of 7.1 pCi/L in MW-188S. There are no regulatory criteria for gross beta.

3.2.1.9 Water Quality Parameters

Water quality parameters were measured at monitoring wells located within the study area during sampling events from 1997 to May 2008 (Appendix F). The range of groundwater water quality parameters was as follows: temperature ranged from 6.35 to 17.26 degrees Celsius with a mean of 10.69 degrees Celcius; dissolved oxygen (DO) ranged from 0.06 to 19.23 milligrams per liter (mg/L) with a mean of 10.81 mg/L; oxidation-reduction potential ranged from –227.3 to 496.3 millivolts (mV) with a mean of 215 mV; specific conductance ranged from 0.87 to 520 microsiemens per centimeters (µS/cm) with a mean of 59 µS/cm; and pH [scale for measuring aqueous hydrogen ion (H+) concentration] ranged from 4.28 to 8.26 standard units with a mean of 5.89 with

one erroneous result (2.93) removed before the mean was calculated. The DO statistics were conducted after removal of five unreasonable values (21.19 mg/L, 21.86 mg/L, 43.56 mg/L, 88.3 mg/L, and 93.8 mg/L).

The DO concentrations below 1 mg/L were measured at locations MW-187D, MW-266M1, and MW-188S. The low DO measurements at MW-266M1 and MW-188S were single event results with other the other DO measurements indicating aquifer conditions in that area are aerobic. Low DO measurements have consistently been measured at MW-187D, which are likely due to the degradation of benzene, ethylbenzene, xylenes, and toluene and other hydrocarbons detected at the same location (Section 3.2.1.5).

3.2.1.10 Recent Groundwater Results

The J-1 Range northern RDX results showed little change between the 2008 and 2009 monitoring events, with most detected results remaining consistent between events. In general, RDX concentrations have remained similar to 2008 concentrations or decreased (Figure 3-6). The isolated area of RDX detections is no longer depicted at MW-205M1 because RDX has not been detected at this location for three consecutive sampling rounds in 2008 and 2009. The last RDX detection at MW-205M1 was 0.38 J µg/L in 2005.

The extent of the J-1 Range northern perchlorate plume did not change significantly between 2008 and 2009 (Figure 3-7). Within the plume, perchlorate concentrations have continued to increase in some wells (e.g., MW-346M1, M2), decrease in some wells (e.g., MW-303M2), and fluctuate in some wells (e.g., MW-265M2, MW-370M2) (Figure 3-6) supporting the conceptual model of a heterogeneous plume. The increase of perchlorate at MW-370M2 to 78 µg/L in November 2008 and trace level detections of perchlorate seen at MW-430 (0.048 J µg/L at MW-430M1 in October 2009 and 0.042 J µg/L and 0.058 J µg/L at MW-430M2 in May 2009 and October 2009, respectively), and MW-205M1 (0.056 J µg/L in October 2009) led to the installation of additional wells (MW-540 and MW-541) along Wood Road to monitor potential data gaps in the existing monitoring well network. Trace levels of perchlorate were detected in the profile results collected during borehole advancement at each location (which were drilled to bedrock), but perchlorate was not detected in the subsequent monitoring well samples. All perchlorate results in long term or system performance monitoring groundwater samples are currently being reported by the more definitive methods SW846/6850 or 6860, which have lower method detection limits and reporting limits. Therefore, there will likely be low-level results (<0.35 µg/L) reported for perchlorate in many groundwater samples. All of the results are presented in Appendix I.

3.2.2 Southern Area

The J-1 Range southern plume depictions and following discussion utilize the most recent validated results from wells sampled or boreholes advanced through 2009. The primary, site-related contaminant in the southern groundwater study area is RDX and the southern plume is defined by RDX detections in groundwater (Figure 2-14). Vertical distribution of RDX is shown on cross sections A-A' and D-D' (Figures 2-15 and 2-16).

3.2.2.1 RDX

The RDX plume, defined by detectable concentrations, consists of an upgradient portion that extends from the source area and terminates approximately 1,200 feet downgradient along the base boundary at extraction well J1SEW0001, and a downgradient portion, which has become detached from the upgradient portion due to the operation of the extraction well, extending from just beyond the base boundary approximately 2,100 feet to the vicinity of Grandwood Drive (Figure 2-14). The upgradient portion of the plume is approximately 400-feet wide at its widest point, and the downgradient portion of the plume is approximately 1,100-feet wide at its widest point. The upgradient portion of the plume, as defined by detections of RDX above the HA, is approximately 1,000-feet long and 300-feet wide at the widest point and the downgradient portion of the plume, as defined by detections of RDX above the HA is approximately 1,800-feet long and approximately 500-feet wide at its widest point. The upgradient portion of the plume is approximately 50-feet thick at its thickest point, near DP-507. The downgradient portion of the plume is approximately 40-feet thick at its thickest point, near MW-522 (Figure 2-15).

The trajectory of the southern RDX plume from the source to the extraction well at the base boundary is southeasterly, but the downgradient portion of the plume has a more southerly trajectory. The plume is present at the water table (approximately 68-feet msl) in the source area and generally decreases in elevation with distance from the source area to as deep as negative 50-feet msl in the downgradient portion of the plume (Figure 2-15). Prior to startup of the RRA system in 2007 the upgradient portion of the plume was mapped up to 70-feet thick and contained RDX concentrations in monitoring well samples up to 130 µg/L (MW-398). However, based on the 2008/2009 monitoring well sample results and profile data from DP-507 in 2008 and MW-528 in 2009, this portion of the plume appears to have thinned with RDX concentrations dropping below 15 µg/L within the plume and no longer detected along the base boundary (Figures 2-14 and 2-15).

The highest RDX concentrations observed in the downgradient portion of the southern RDX plume have consistently been detected at MW-481M2, located approximately 450 feet downgradient from MW-398/DP-384 where the highest historic RDX concentrations detected in the J-1 southern plume were detected in 2005/2006. RDX concentrations at MW-481M2 have fluctuated generally between approximately 10-20 µg/L, peaking at 22 µg/L in 2007 but dropping below 5 µg/L in October 2009 (Figure 3-8). RDX was detected in drive point profile samples collected in 2008 at concentrations up to 5.3 µg/L at DP-499, downgradient of MW-481M2, where the vertical extent of the plume gradually thins to 0- to 30-feet msl. Profile samples collected in the same area in 2009, during the installation of MW-522, detected a maximum concentration of 2.5 µg/L. There does appear to be areas of heterogeneity within this portion of the southern RDX plume, especially near MW-522, where the higher concentrations were detected deeper in the section, likely due to stratigraphic influences.

3.2.2.2 Perchlorate

Perchlorate has been detected in three samples collected within the southern groundwater study area; however, none of the concentrations exceeds the MMCL of 2 µg/L (the maximum detected concentration is 1.4 µg/L). Perchlorate detections in monitoring well samples are presented in Table 3-4 and detections in monitoring well samples and profile samples are summarized in Tables 3-7 and 3-8, respectively. Two of the low-level concentrations of perchlorate (0.42 J and 0.49 J µg/L) are located at MW-482 at 50 feet msl, approximately 30 feet above the RDX plume. The third perchlorate detection was at MW-403 (1.4 µg/L, 15 feet msl), which is outside the RDX plume. Detections of perchlorate are generally shallow and particle back tracks indicate that they do not track back to the base. Since perchlorate was not detected in profile samples or subsequent monitoring well samples for locations drilled on base (MW-360, MW-398, MW-488) or immediately downgradient of the core of the plume (MW-481), it is unlikely that these detects are related to base activity.

3.2.2.3 Other Explosive Compounds

HMX has been detected within the southern groundwater study area; however, none of the concentrations exceeds the EPA HA of 400 µg/L or the MCP GW-1 standard of 200 µg/L (maximum detected concentration is 29 µg/L). HMX detections in monitoring well samples are presented in Table 3-4. The monitoring well sample results are summarized in Table 3-7 and the profile sample results are summarized in Table 3-8. These low-level concentrations of HMX in the J-1 Range South plume are contained within the RDX plume geometry. HMX detects are co-located with RDX detections found in a shallow contiguous configuration located in the middle and along the northeastern edge of the plume at locations MW-360, DP-389, MW-228, DP-391, DP-384, MW-398, MW-488, DP-386, and MW-481. The maximum concentration (29 µg/L, June 2005) is located in the middle of the plume (DP-384, 28 feet msl) co-located with the highest RDX concentration.

Three other explosive compounds were detected in the study area. All of the detects occurred in groundwater profile samples, were low-level (below 1 µg/L), and did not exceed regulatory levels. The three explosive detections were TNT (0.36J µg/L), 2,6-dinitrotoluene (0.41J µg/L), and 4-nitrotoluene (0.33J µg/L). Detects and maximum concentrations for all explosive compounds are summarized in Table 3-7 for monitoring well samples and Table 3-8 for profile samples.

3.2.2.4 Semi-Volatile Organic Compounds (SVOCs)

In the southern study area, 21 monitoring well samples collected from seven monitoring wells were analyzed for SVOCs. The results are summarized in Table 3-7. The only SVOC detected was BEHP (MCL = 6 µg/L) in two monitoring well samples (0.27J to 0.36J µg/L) with the maximum at MW-131M1 (February 2001). The sporadic nature of the detections, combined with BEHP being a common sampling artifact and/or laboratory contaminant, suggests that BEHP is most likely not site-related. SVOC groundwater TICs have generally been laboratory artifacts (e.g., aldol condensation products or column bleed).

3.2.2.5 Volatile Organic Compounds (VOCs)

In the study area, 21 samples collected from seven monitoring wells were analyzed for VOCs. Table 3-7 summarizes the VOC detections and maximum concentrations in monitoring well samples. Groundwater profile samples from two locations were also analyzed for VOCs. Table 3-8 summarizes the compounds detected and maximum concentrations in profile samples.

The majority of the VOCs detected is likely laboratory or sampling artifacts (e.g., acetone, 2-butanone [MEK]) and are not indicative of groundwater quality. Additionally, chloroform, which occurs naturally in the groundwater in the Sagamore Lens, was detected in several groundwater samples. Methyl tert-butyl ether (MTBE) and toluene were detected at one location (MW-360M1, July 2005) at concentrations of 0.51J and 0.24J µg/L, respectively. Neither of these compounds was detected at concentrations exceeding regulatory levels or in subsequent monitoring well sampling events. Ethybenzene and total xylenes were detected in groundwater profile samples collected from MW-131. The maximum detected concentrations of ethylbenzene and total xylenes were 0.6J and 2 µg/L, respectively. Neither of these compounds was subsequently detected in monitoring well samples. Other VOCs (Tables 3-7 and 3-8) detected in the groundwater study area occurred sporadically at concentrations below drinking water standards. There is no discernible pattern to the detections.

3.2.2.6 Pesticides, PCBs, and Herbicides

Monitoring well samples were analyzed for pesticides, PCBs, and herbicides at the J-1 Range South groundwater study area. Refer to Table 3-7 for a summary of pesticide and herbicide detects and maximum concentrations in monitoring well samples.

Pesticides and PCBs: Nine monitoring well samples were collected from three monitoring wells for pesticide analysis. Heptachlor epoxide and p,p'-DDT were detected below their respective regulatory threshold. Both compounds were only detected in one sample from different wells. The pesticide detections are low concentration and sporadic, and are not indicative of groundwater contamination in the groundwater study area.

PCBs: Nine monitoring well samples were collected from three monitoring wells for PCB analysis. No PCBs were detected.

Herbicides: Nine monitoring well samples were collected from three monitoring wells for herbicide analysis. No herbicide compounds were detected.

3.2.2.7 Metals

Eleven monitoring well samples were collected from three monitoring wells for metals analysis. Various metal species have been detected at MW-131. High results for aluminum, iron and manganese all come from samples collected at the MW-131 well cluster (MW-131M1, M2 and S). A review of the associated field data shows no

anomalous DO, turbidity or ORP readings. There is no discernable pattern of exceedences, other than they all came from groundwater collected at the MW-131 well cluster, located in the southern end of the J-1 range. The detects and maximum concentrations of all the metals are summarized in Table 3-7.

Aluminum, iron, and manganese were detected at concentrations above screening levels. There were six detections of aluminum with a maximum concentration of 5,120 µg/L. Iron was detected in seven samples with a maximum concentration of 5,790 µg/L. Manganese was detected in nine samples with a maximum concentration of 180 µg/L.

Metal detections are further evaluated in the risk screening (Section 6.0).

3.2.2.8 Six Radiological Parameters

Several radiological parameters were measured in samples from groundwater in the groundwater study area. Gross alpha had no measurable levels. Gross beta had eight measurable levels with a maximum level of 2 pCi/L (not validated) in MW-131M2. There are no regulatory criteria for gross beta. Tritium was detected in eight groundwater profile samples. The maximum detected concentration was 28.7J pCi/L in MW-131. There is no regulatory criterion for tritium.

3.2.2.9 Water Quality Parameters

Water quality parameters were measured at existing and newly installed monitoring wells located within the groundwater study area during sampling events from November 2000 through December 2009 (Appendix F). The range of groundwater water quality parameters was as follows: temperature ranged from 7 to 19.74 degrees Celsius with a mean of 11.03 degrees Celsius, DO ranged from 0.11 to 12.73 mg/L with a mean of 7.46 mg/L, Oxidation Reduction Potential ranged from -519.4 to 365.7 mV with a mean of 123.46 mV, specific conductance ranged from 22 to 285 µS/cm with a mean of 106 µS/cm, and pH ranged from 4.06 to 10.68 standard units with a mean of 6.41.

There are a few monitoring wells where DO concentrations less than 1.0 mg/L are measured consistently. All but two of the locations (MW-360M2, MW-482M1) are located outside the lateral and vertical extent of the southern plume. There is no indication of contaminant sources, such as fuels, that may have resulted in the low DO concentrations. Fuel degradation often leads to low DO and anaerobic aquifer conditions. There is no significant evidence of fuel contaminants across the J-1 Range southern groundwater study area.

3.2.2.10 Recent Groundwater Results

Additional monitoring wells were installed in the J-1 Range southern area (MW-521M1, MW-522M1, MW-522M2, MW-523M1, MW-524M1, MW-525M1, MW-525M2, MW-526M1, MW-527M1 and MW-528M1) in the fall of 2009 in order to more definitively define the footprint of the J-1 Range southern RDX plume. These wells were sampled in January and February 2010. The groundwater results agreed in general with the profile

results collected during well installation, with the exception of the samples collected at MW-524M1 and MW-522M1. The RDX concentration at MW-524M1 was higher (11 µg/L, January 2010) than the profile result at the same elevation (1.6 µg/L, +4 to -6 feet msl interval). A subsequent sample, collected at MW-524M1 in February 2010, had an RDX concentration of 12 µg/L. The RDX concentration at MW-522M1 was lower (non-detect, January 2010) than the profile result at the same elevation (2.4 µg/L, -49 to -59 feet msl).

Until these monitoring well results were obtained, the MW-524 location was conceptualized as being the bounding well on the eastern edge of the J-1 Range southern RDX plume. Based on these higher detects at MW-524M1, it was decided to advance an additional eight drivepoints (DP-543 through DP-550) to further delineate the high-concentration core and the eastern, downgradient, and upgradient of extent of the J-1 Range southern plume in the area of MW-524 (Figure 3-9). All locations were drilled from ground surface to refusal, and profile water samples were collected at 10-foot intervals from approximately 20 feet below the water table to refusal and analyzed for RDX by EPA method SW846/8330 (location DP-550 was also analyzed for perchlorate by EPA method SW846/6850). All of the results are presented in Appendix I.

The results indicate the high concentration core of the J-1 Range southern RDX plume has a more easterly trajectory and the plume is slightly wider to the east than previously conceptualized (Figure 3-9). The shape of the core was revised based on the RDX concentrations detected at DP-549 (maximum of 74 µg/L). The eastern side of the plume has been delineated by bounding non-detect results at DP-547, DP-500, and DP-543. A non-contiguous zone of concentrations greater than 2 µg/L (2.4 µg/L, DP-546) was detected crossgradient, east-northeast of MW-482 at the same elevation of RDX detections seen at MW-482M2 including the most recent monitoring well result of 0.442 µg/L (October 2009). While this zone is conceptualized as an isolated zone, it is possible, given the elevations of the RDX detects, that this is associated with the main body of the J-1 Range southern RDX plume.

3.3 Groundwater Modeling

Groundwater modeling was performed for the northern and southern areas of investigation. This evaluation is intended to provide further understanding of the J-1 Range groundwater plumes fate and transport. A general discussion of uncertainty in groundwater modeling is presented in the *Draft J-2 Range Groundwater Remedial Investigation and Feasibility Study* (ECC 2007).

Groundwater modeling of plumes at the MMR has been used extensively to support remedial investigations, the primary tool in the development of wellfield designs for plume remediation, and to evaluate performance of existing remedial systems. This section describes the use of the J-1 North Model and J-1 South Model for evaluating the potential fate and transport of the northern perchlorate and RDX plumes and the southern RDX plume. A detailed description of the development and calibration of the J-1 Range North and South models and the flow model parameters are presented in Appendix J. All of the flow and transport simulations were carried out utilizing

MODFLOW-SURFACT 2.1 (HydroGeoLogic 1999), an enhanced MODFLOW code with transport simulation capability.

3.3.1 Fate and Transport Model Input Parameters

The following is a summary of a more detailed description of the fate and transport model input parameters presented in the *Final J-2 Range North Groundwater Rapid Response Action (RRA) Plan* (ECC 2005c). To model solute transport for J-1 Range, input parameters were developed to describe hydrodynamic dispersion, and retardation processes. These parameters include dispersivity, Kd (partition coefficient), and contaminant half-life (zero for both RDX and perchlorate). Bulk density and porosity are physical parameters of the aquifer matrix that also influence contaminant transport. Values of longitudinal, lateral, and vertical dispersivity used in the J-1 Range North and J-1 Range South fate and transport models were 10, 0.3, and 0.03 feet, respectively. A retardation factor (Rf) of 1.05 was used for RDX transport; no retardation was used for perchlorate transport. Plume shells (Appendices K and L) served as initial conditions for the solute transport models.

3.3.1.1 J-1 Range North Transport Modeling

The J-1 Range North transport model is based on the calibrated J-1 North flow model. Contaminant shells for the northern perchlorate and RDX plumes were developed to provide initial conditions for transport simulations (Appendix K). The plume shells represent the June 2008 distribution of perchlorate and RDX (Figure 3-10). The J-1 Range North total perchlorate mass, accounting for all concentrations simulated within the model, is 21.63 lb. The J-1 Range North total RDX mass (dissolved = 8.00 lb and adsorbed = 0.40 lb), accounting for all concentrations simulated within the model, is 8.40 lb.

A J-1 Range northern perchlorate expanded mass plume shell was constructed after the November 2009 perchlorate detection of 78 µg/L at MW-370M2. The 2008 J-1 Range northern perchlorate expanded mass plume shell was constructed by adding control points upgradient of MW-370 to the 2008 J-1 Range northern perchlorate plume shell. The objective was to approximate an area of mass upgradient of MW-370 that would have contributed to the perchlorate detection of 78 µg/L at MW-370M2. No other changes were made to the 2008 perchlorate shell. The maximum perchlorate concentration in the expanded mass plume shell is 131 µg/L, in 27.5x106 ft^3 of water with perchlorate above 2 µg/L, and a total mass in the model of 12.1 Kg. The expanded mass plume shell has approximately 24 percent more mass and approximately 13 percent more volume above 2 µg/L than the 2008 J-1 Range northern perchlorate plume shell. The overall extent of perchlorate in the expanded mass plume shell (Figure 3-11) was not significantly different from the 2008 perchlorate plume shell.

3.3.1.1.1 Fate and Transport Simulations

The fate and transport of the northern perchlorate and RDX plume were simulated under ambient conditions. The model runs incorporate hydraulic stresses from other nearby operating remedial system components (i.e. J-2 North, J-2 East, J-3, J-1 South, and

FS-12) and water supply wells that are within the model domain. The model runs also assumed no continuing mass flux from the source area, based on source removal actions and decreasing groundwater concentrations in the source area. The Upper Cape Water Supply wells WS-2 and WS-3 are within the J-1 North model domain (ECC 2007) and are simulated in the model at average operating conditions, 297 and 148 gpm, respectively.

The northern plume migrates in a north-northwesterly direction towards the Cape Cod Canal. Perchlorate concentrations above 2 µg/L are not predicted to migrate as far downgradient as Gibbs Road and are predicted to decrease below 2 µg/L by approximately 2080 and below detection limits past 2109.

The main northern RDX plume migrates north-northwesterly along a similar path as the perchlorate plume (Animation 3-2). The main RDX plume lobe, defined by concentrations above 0.6 µg/L, is not predicted to migrate as far downgradient as Gibbs Road and is predicted to decrease below 2 µg/L by approximately 2053, and below 0.6 µg/L and detection limits past 2109.

The western RDX lobe migrates north-northwesterly and is not predicted to cross Wood Road at concentrations above 0.6 µg/L (Animation 3-2). The RDX concentrations in the western lobe are predicted to decrease below 2 µg/L by approximately 2013, below 0.6 µg/L by approximately 2022, and below detection limits by approximately 2035.

3.3.1.2 J-1 Range South Transport Modeling

The J-1 Range south transport model is based on the calibrated J-1 south flow model. Contaminant shells for the J-1 southern RDX plume were developed, both prior and subsequent to the startup of the J-1 RRA system in 2007, to enable plume transport simulations and support the development and evaluation of remedial alternatives. However, based on monitoring well sampling and aquifer profile data obtained through 2009, it has become apparent that the plume shells currently available contain far more contaminant mass than is being detected, particularly within the off-post portion of the plume and, therefore, do not represent the characteristics of the plume with enough accuracy to enable reasonable simulations of future plume behavior. In addition, sampling data obtained in January 2010 from newly installed off-post monitoring wells suggest that additional delineation of the northern edge of the plume is needed. Therefore, a contaminant shell for the J-1 Range Southern RDX plume was developed to provide initial conditions for transport simulations (Appendix L). The plume shell represents the January 1, 2010 distribution of RDX (Figure 3-12). The J-1 Range Southern plume total RDX mass (dissolved = 0.726 Kg and adsorbed = 0.036 Kg) accounting for all concentrations simulated within the model is 0.76 Kg.

3.3.1.2.1 Fate and Transport Simulation

The fate and transport of the J-1 Range Southern RDX plume was simulated under ambient conditions. The model run incorporates hydraulic stresses from other nearby operating remedial system components (i.e. J-3, J-1 Southern, FS-12, J. Braden Thompson system) and water supply wells that are within the model domain. The

Sandwich water supply wells GP Well No. 4, GP Well No. 6, and GP Well No. 10, the MMR water supply Well J, and the Upper Cape Water Supply Cooperative Well No. 1 are within the J-1 Range model domain and are simulated in the model at average operating conditions (i.e. 89.6 gpm, 136.6 gpm, 230.2 gpm, 90 gpm, and 147.6 gpm, respectively) (Jacobs 2005).

After initializing the RDX concentrations at year 2010 in the transport model, J-1 Range Southern RDX plume migration was simulated with no active pumping from the J-1 Range Southern ETI system for 100 years with the exception of the first half year (2010 to 2010.5), when the ETI system was modeled as operating at the current operating rate. For this simulation, the end of active pumping corresponds to the expected final site decision. Approximately 0.006 Kg of RDX is predicted to be removed by the J-1 Range Southern ETI system from 2010 to 2010.5.

The J-1 Range Southern RDX plume migrates in a southeasterly direction (Animation 3-3). The animation indicates that some RDX concentrations are located within, or migrate into, low-hydraulic-conductivity units (less than 10 feet/day), and very slowly disperse without migrating appreciably downgradient. Field data indicate that the J-1 Southern RDX plume is primarily located within the sandy portion of the aquifer (i.e., high-hydraulic-conductivity units) and not within the low-hydraulic-conductivity units. Based on the distance the plume has traveled, and the general lack of contamination within the low-hydraulic-conductivity units (as evidenced in profile results), it appears that the bulk of the contaminant transport occurs through high-hydraulic-conductivity units and around low-hydraulic-conductivity unit. The low-hydraulic-conductivity units are carefully mapped into the model, but the extent of the units is approximated based on available data and the conceptual understanding of the aquifer matrix within the study area. The extent of the low-hydraulic-conductivity units within the model is also partially determined by the discretization of layers within the model. The plume shells are carefully constructed to match observed concentrations and migrated data. However, kriging (geostatical interpolation) of the data to construct the plume shell can result in an increase of concentration in areas where no data is mapped, such as a low-hydraulic-conductivity units. When the plume shell is imported into the model a small amount of mass can be initialized in low-hydraulic-conductivity units. Based on this information, the discussion of time frames to various thresholds in the following subsections below will refer to the useable (high conductivity) portions of the aquifer.

4.0 SOURCE CHARACTERIZATION

Initial investigations of the J-1 Range focused on those features identified during a historical aerial photograph analysis of Camp Edwards. Additional range features were included in the investigation as range records became available. Significant 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 the J-1 Range. The following sections describe geophysical and soil sampling activities that have been conducted at the J-1 Range.

4.1.1 Soil

Soil characterization investigations in the J-1 Range commenced in 1997. During the period from August 1997 to July 2007, 1,675 soil samples were collected at various depths from 410 locations within the J-1 Range Study Area.

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

- *Final Field Sampling Plan for Area 5 (J-1 Range)* [FSP05] (Ogden, 1998 January).
- *Final J-1, J-3 and L Range Work Plan* [JLWP] (Ogden, 2000a), August
- *Final Field Sampling Plan for Turpentine Road and Tank Alley Targets* (Ogden, 2000b)
- *Final J-1, J-3 and L Ranges Additional Delineation Workplan No 1* [ADWP1] (AMEC 2001)
- *Final J-1, J-3 and L Ranges Additional Delineation Workplan No. 2* [ADWP2] (AMEC, 2002a), April
- *Munitions Survey Program (MSP) Phase 3, J-1 Range Site Work Plans* [MSP3] (Tetra Tech, 2001) November
- *Final J-1 Range Supplemental Soil Work Plan* [J1SWP] (AMEC, 2004), April
- *Final J-1 Range Supplemental Geophysical Investigation Work Plan* (ECC, 2005) August
- *J-1 Range Supplemental Geophysical Investigation-Additional Priority 1 Area of Investigation Project Note* (ECC 2005)
- *Final J-1 Range Priority 1 Grids Supplemental Geophysical Anomaly Investigation Report – Technical Memorandum* (ECC 2006)
- *J-1 Range Detailed Reconnaissance, EM-61 Survey and Aerial Photo Assessment – Summary and Recommendations* (ECC 2007)

- *Revised Draft J-1 Range Interberm Area RDX Delineation Sampling Project Note, (ECC 2009x), July*
- *Revised Final J-1 Range 2,4-Dinitrotoluene Delineation Project Note, (ECC 2009X), March*
- *Final J-1 Range Soil Removal Activities, (ECC, 2009x), August*

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 (AMEC, 2001b). March. This report includes analytical data collected from the beginning of the J-1 Range investigation in August 2000, through March 02, 2001
- *Technical Team Memorandum 01-3, Tank Alley And Turpentine Road Targets Investigation* (AMEC, 2001)
- *Draft J-1, J-3 and L Ranges Interim Results Report No. 2, TM 01-16* (AMEC, 2001c), September. This report includes analytical data collected from the beginning of the J-1 Range Investigation in August 2000 through July 27, 2001
- *Draft J-1, J-3 and L Ranges Additional Delineation Report No. 1 [*ADR1] (AMEC, 2002b), April. This report presents analytical results from the beginning of the J-1 Range investigation in August 2000 through April 14, 2002
- *Final J-1 Range Polygon Investigation Report,* Military Reservation, Camp Edwards, Massachusetts Munitions Survey Project Phase 3. September 2003 (Tetra Tech)
- *Final J-1 Range Priority 1 Grids Supplemental Geophysical Anomaly Investigation Report – Technical Memorandum* (ECC 2006)

Soils data collected pursuant to work plans and project notes dated after 2006 are presented for the first time in this remedial investigation report.

Types of soil samples collected include soil boring samples, discrete soil samples, composite soil samples, and multi-increment soil (MIS) samples. Soil samples associated with BIP activities have also been collected.

The majority of the samples at J-1 Range were composite samples collected from five-point sample grids designed to represent a 22 feet x 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 depth 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, 100-increment soil samples were collected from a predetermined area called a decision unit following an approach outlined in CRREL TR-07-10. These decision units corresponded with the grids established for the geophysical survey of the range (see Section 4.1.2). Post excavation 100-point composite soil samples were collected from

the 0- to 0.25-feet depth from each decision unit following soil removal. The number, location and depth of MIS samples were specified in various Project Notes. Discrete samples were typically collected at locations with visible explosives, propellant and/or burn residue for explosives and perchlorate analysis only. The number, location and depth of discrete samples were designated in respective work plans.

Pre-BIP samples were collected from 0- to 0.25-feet 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.

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) at 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 10 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. All soil samples were field screened with a photoionization detector to detect VOCs as the borings were advanced.

4.1.2 Geophysical

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. The initial ground-based geophysical survey conducted in the J-1 Range was in 2001 over an area of 60 acres approximating the historic maximum extent of vegetation clearance on the range.

The goal of the geophysical investigation was to produce a digital geophysical record of the subsurface that might indicate the locations of potential munitions disposal pits, as well as individual UXO items and other anomalies, including munitions debris to identify where sources of contamination to the aquifer might exist.

Site preparation included clearing the area of vegetation, conducting a UXO sweep, and mapping the site. After the surveyed corners of the range were determined in the field, a 30-meter by 30-meter reference grid was established 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 the J-1 Range.

The geophysical investigations proceeded in a sequential manner; each of which 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 program 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 the investigation progressed and, ultimately, a thorough evaluation of potential source areas.

Geophysical surveys and investigations were conducted at the J-1 Range as indicated in the table below.

Investigation Phase	Scope	Work Plan/Report
Air Magnetometer (AIRMAG) Surveys	Helicopter-mounted magnetometers of four large areas o MMR , including the J-1 Range	*Draft AirMag Technology Evaluation Report* (Tetra Tech 2002)
Munitions Survey Programs (MSP) Phase I	Ground- based geophysical survey (EM-61) of AIRMAG findings	*MSP1 Final Report* (Tetra Tech 2003)
MSP Phase III	Intrusive investigation of "polygons" identified in MSP Phase I as having the potential to contain burial pits or UXO items	*Final J-1 Range Polygon Investigation Report* (Tetra Tech 2003)
Supplemental Geophysical Anomaly Investigations	Detailed reconnaissance and Intrusive investigation of additional polygons/grids.	*J-1 Range Supplemental Geophysical Anomaly Investigation Workplan* (ECC 2005) *J-1 Range Priority 1 Grids, Supplemental Geophysical Anomaly Investigation Report-Technical Memorandum* (ECC 2006) *J-1 Range Supplemental Geophysical Investigation-Additional Priority Area of Investigation Project Note* (ECC 2005)
Disposal Pit Discrimination Analysis Investigation	Intrusive investigation of potential pit targets	*Draft J-2 Range Supplemental Geophysical Anomaly Investigation Report*

Investigation Phase	Scope	Work Plan/Report
	based upon a statistical analysis of the geophysical data	*- J-2 Range Priority 1 Grids Technical Memorandum* (ECC 2005)
Data Gap Assessment, QC Grid Investigations	EM-61 survey of previously cleared areas and intrusive investigations of select anomalies	*J-1 Range Detailed Reconnaissance, EM-61 Survey and Aerial Photo Assessment - Summary and Recommendations* (ECC 2007)
Data Gap Assessment, Detailed Reconnaissance Investigation	Detailed reconnaissance of areas of the range, and intrusive investigation of selected anomalies	*J-1 Range Detailed Reconnaissance, EM-61 Survey and Aerial Photo Assessment - Summary and Recommendations* (ECC 2007) *Revised Reconnaissance for Assessment of Potential Data Gaps at the J-1 and J-2 Ranges (IAGWSO; Jan 2007)* *Standard Operating Procedure for Detector–Aided Reconnaissance and Spatial Data Collection* (ECC, 22 May 2006)
Data Gap Assessment, Aerial Photo Assessment	Intrusive investigations of areas identified in aerial photos as being disturbed in the past	*J-1 Range Detailed Reconnaissance, EM-61 Survey and Aerial Photo Assessment - Summary and Recommendations* (ECC 2007) *Revised Reconnaissance for Assessment of Potential Data Gaps at the J-1 and J-2 Ranges (IAGWSO; Jan 2007)* *Standard Operating Procedure for Detector–Aided Reconnaissance and Spatial Data Collection* (ECC, 22 May 2006)
Robotics Technology Demonstration	Soils were removed and sifted from the	*J-1 Range Berms AFRL Technology Demonstration*

Investigation Phase	Scope	Work Plan/Report
	uprange faces of the 1,000 meter berm, 150 meter berm and 2000 (a and b) meter berms using remote robotic technology	*(IAGWSP, 2 April 2008)*

Geophysical data and areas intrusively investigated are depicted graphically in characterization figures for each sub-area 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 finally presents a summary of the nature and extent of contamination/UXO at the Range. To simplify the discussion, the Range has been divided into sub-areas based largely on range features and the grid layout shown in Figure 4-1. These sub-areas will be discussed as follows: Firing Point Area (Rows 0 to 6), Southern Flyover Area (Rows 7 to 29), Interberm Area (Rows 30 to 44), Northern Flyover Area (Rows 45 to 64) and the 2000 Meter Berm Area (Rows 65 to 72). These sub-areas were chosen based on historical range use, range features and the conceptual site model of the range.

Tentatively identified compounds (TICs) detected in soil samples included the SVOCs TNT, RDX, acetophenone, benzaldehyde and benzo(e)pyrene. Acetophenone and benzaldehyde are common laboratory artifacts of the SVOC extraction process. TNT and RDX were reported as TICs in post-BIP samples. These TIC results confirm the detected results that were reported by explosives compounds method SW846/8330 for respective samples. Benzo(e)pyrene was detected at low levels in a few samples which had reportable detections of other PAH compounds. TICs were considered only for the confirmation of detected compounds and, therefore, are not discussed specifically in the source area subsections.

4.2.1 Firing Point Area (Rows 0 to 6)

The firing point area is situated in the southeastern portion of the J-1 Range (Figure 4-1). The Archives Search Report documents that this area of the range was used as the firing, staging and administrative area for the munitions testing that occurred at the range. The two berms located in this vicinity on either side of the range road were reportedly used as barriers between firing points and buildings and as a location for firing. Section 2.2 discusses, in greater detail, the historical range uses and potential disposal activities in this portion of the range.

The following specific site features are or were formerly located within this sub-area:

- Suspected Water Saw Area
- Firing Point 1
- Firing Point 2
- Mortar Position
- Range Tower
- Tunnel Barrier 1
- Steel Plate Target for 100-Meter Range
- Former Buildings and Storage Areas

In addition, the following significant features were identified as a result of intrusive investigation of geophysical anomalies:

- Munitions Disposal Area – The Munitions Disposal Area was discovered in September 2000 during well pad clearance for MW-131. Ordnance items, including munitions, munitions debris, and other debris were recovered from a pit.
- MSP Polygon 1 – An area containing several large geophysical anomalies, designated as Polygon 1, was located on the north side of the range road near the entrance of the J-1 Range, and adjacent to the Munitions Disposal Area. Two burial pits and two burn pits were found in Polygon 1.

Soil sampling activities were generally focused on the features listed above. A description of each of these features was previously presented in Section 2.2. The J-1 Range Rows 0 to 6 soil data set represents site investigations conducted from December 1997 through September 2009. A total of 260 soil samples were collected from 84 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 sub-area 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 data-base for all soil analytical results collected through 2007 is included in Appendix G. Table 4-5 summarizes the results of recent multi-increment soil sampling. 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 depicts current site conditions, and includes chemical results boxes for samples with explosives or perchlorate detections. 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 required to have positive identification for their main charges, (e.g., lot number or Post-BIP results indicative of High Explosives). Items that were classified as “possible HE” were munitions items that were assumed to contain HE on initial discovery and were either transported to the CDC for detonation 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, detonator spotting charges). Items classified as inert were munitions items that were considered to be HE as a safety precaution but post BIP or CDC results indicated that the item was inert.

4.2.1.1 Grids H0 to J2 and K2

A total of 11 samples were collected from four locations at and around Firing Point 1. Soil samples were collected at the base of the firing point (CP05A), and on top of the earthen mound (SS05A1, SS05A2, and SS05A3). There were no explosives detected in these samples (see Table 4-2 for a complete list of analytes).

A total of eight samples were collected from three locations at and around Firing Point 2. One sample was collected from on the top of the berm (SS05PA) and two were collected behind the firing point (CP05P and SS05PB). There were no explosives detected in these samples.

Three samples were located at SS15147-A, up-range of the instrumentation building, where a water saw was reportedly used to cut explosives. The water saw location was based on a witness interview (AMEC 2004). No explosives were detected at this location.

Three soil samples were collected from sample location SS15137-A. RDX was detected in this sample at 3,400 µg/Kg and HMX was detected at 520 µg/Kg (Table 4-3). This contaminated soil has been removed for treatment.

A total of four soil samples were collected from two locations (CP05F and CP05G) associated with former building locations (Table 4-2, Figure 4-2). There were no explosives detected at location CP05F. Sample CP05G was only analyzed for VOCs.

Soil samples were collected in grids H-0, I-0, J-0 and J-1 (locations SSJ1H001, SSJ1001, SSJ1J001, and SSJ1J101) prior to intrusive investigation of geophysical anomalies. These samples were analyzed for explosives and perchlorate and were non-detect for both analytes. Another sample was collected adjacent to a steel plate at the boundary of grids I-2 and J-2 (SSJ1I201). This sample had an RDX detection of 250 µg/Kg (Table 4-3). This soil has been removed for treatment.

Intrusive investigation of geophysical anomalies within these grids resulted in the discovery of primarily debris (steel bars, and other miscellaneous metal debris). However, one of the large anomalies, located along the edge of grid I2, was identified as a munitions burial pit (J1I2-BLP-001). Recovered items during the excavation of this pit were munitions debris and metallic debris. Items recovered included: expended M54 LAW rocket motors, inert 81mm mortars, LAW rocket parts, other debris, and 0.5 lbs of propellant associated with a 2.75 inch rocket motor (this was the only MEC item recovered). A discrete sample, J1I2-BLP-001, was collected from the soil beneath the

propellant. A sample was also collected from the soil excavated from the burial pit, J1I2-BLP-001 (stp), and from the base of the excavation, J1I2-BLP-001 (post). There were no explosives or perchlorate detected in any of these samples (see Table 4-1 for a complete list of analytes and Table 4-3 for analytical detections). However, eight cubic yards of excavated soil were disposed off-site due to the presence of the semi-volatile compound 2-nitrodiphenylamine (this compound was detected at 140 µg/Kg). Munitions recovered during the intrusive investigation are described in Table 1 of Appendix H.

A quality control geophysical survey was conducted in grid I2 to assess thoroughness of the initial geophysical survey and intrusive investigation. Numerous small anomalies were subsequently investigated and the majority of items recovered were munitions debris and other debris. Intrusive finds are described in Table 1 of Appendix H.

A corroded 55-gallon drum with an attached pipe was discovered in grid J2 (identified as location J1-21). A discrete sample was collected from the soil under the 55-gallon drum [J1J1001 (under drum)]. A separate grab sample from soil located within the drum was also collected [J1J1001 (soil in drum)]. There were no explosives or perchlorate detected in these samples (see Table 4-2 for a complete list of analyses and Table 4-4 for analytical results).

4.2.1.2 Grids K1, L1 through M2 and Location 59

Prior to the initial geophysical survey conducted in grids K1, L1 through M2 and Location 59, a Munitions Disposal Area was found in grid K1 during the construction of the drilling pad for well MW-131. Items recovered from this pit were 81mm and 60mm mortars, 105mm projectiles and fuzes. All of these munitions were inert. One soil sample (SSJ1DP1S) was collected from the soil pile excavated from the pit, and one composite soil sample (SSJ1DP1) was collected at the base of the excavation. Both of these samples were non-detect for explosives and the excavated soils were backfilled. Soil boring samples were also collected during the drilling and installation of MW-131 in the vicinity of the disposal area. There were no explosives detected in the soil boring samples. In addition, water was collected from a 105mm cartridge case and analyzed for petroleum hydrocarbons (J1DP1RW). Concentrations of C10-C22 range aromatic compounds exceeding MassDEP standards were reported by the laboratory. The remaining sample volume was disposed by the laboratory. All of the volume of water in the cartridge casing was consumed during the sampling process.

Additional intrusive investigation of geophysical anomalies within these grids resulted in the discovery of numerous disposal pits. Munitions burial pits found in grid L2 (polygon 1) contained the following items: M374 81mm mortars, M302 60mm mortars, M1 105mm projectiles, and M524 fuzes. Three presumed HE M374 81mm mortars were the only items potentially containing high explosives in grid L2. The majority of anomalies were determined to be either munitions debris or other debris. A total of 46 samples (J1.A.T1, J1.F.T1.MT1, J1.A.T1, SS15146-A), including BIP samples associated with this feature, were collected. Post-excavation samples were non-detect for explosives and perchlorate.

Also identified in Polygon 1 were two burn pits, both of which contained layers of ash material. Three soil samples were collected from Burn Pit Number 1 including: a sample from the ash layer (J1.F.T1.BP1.3.0); a sample of excavated soil (J1.F.T1.BP1.1.0); and a sample from the pit bottom. No explosive compounds were detected in any of the three samples. However, low levels of metals, SVOCs, VOCs and dioxin congeners were detected. A total of three soil samples were collected from Burn Pit Number 2 including: a sample of the ash layer (J1.F.T1.001.3.0); a sample of excavated soil (J1.F.T1.001.1.0); and a pit bottom sample (J1.F.T1.001.2.0). All three samples were non-detect for explosives. These samples also had detections of metals, SVOCs, and dioxin congeners. Soils excavated from Burn Pits 1 and 2 (7 cubic yards) were disposed of off-site. See Table 4-3 for a complete list of analytical detections in the excavated soils. Table 4-4 contains analytical results for soils that represent current conditions.

In Burn Pit number 2, a deformed and rusted 5-gallon metal bucket containing clear liquid (with a "solvent-like odor") and tar-like material was also identified. The bucket was over packed and disposed of as a lab-pack item. The waste characterization screening of this material identified the items as a flammable solid waste. The tar-like substance was sampled for perchlorate and had a low concentration of 3.8J µg/Kg.

Supplemental geophysical surveys were performed as quality control measures within selected grids to determine the effectiveness of previous munitions investigations and removals. The QC geophysical survey was conducted in grids L1, L2, M1 and M0. A burn pit (J1L1-BNP-001) containing two hundred thirty-six M524 live fuzes, munitions debris, and miscellaneous other debris was found in grid L1. The post-excavation sample (SSJ1L1BNP001) was non-detect for explosives and perchlorate. Waste characterization samples from the excavated soil indicated that it did not contain detectable concentrations of explosives or perchlorate, but cadmium was present at levels exceeding MassDEP standards. Approximately 59 cubic yards of soil was removed from this pit for off-site disposal. Items recovered during the intrusive investigations are listed in Table 1 in Appendix H.

Another disposal pit was discovered in grid M1 (J1M1-BLP-001) that contained munitions components, munitions debris and other debris. One inert 105mm M1 item was destroyed and found to be inert (with a live fuze). A post-excavation sample was collected (SSJ1M1BLP001), which was non-detect for explosives and perchlorate. No explosives or perchlorate were detected in the waste characterization samples from the excavated soil. However, the soil was disposed off-site due to the presence of benzo(a)pyrene (51 µg/Kg). Items recovered from the excavation are listed in Table 1 in Appendix H. In addition, thirty-two M51 fuzes, classified as small quantity energetic, were also found in grid M1, and were taken to the CDC for disposal.

Location 59 is located in the woods, southeast of grid L1. Four items with live fuzing, and scattered munitions debris and other debris were found at this location. (Three inert M374 81mm mortars and one inert M456 104mm HEAT round, all with live fuzing).

As discussed above, numerous munitions disposal pits were identified within this portion of the range. The majority of munitions items were inert. Live fuzes were the only items

identified as MEC. Three M374 81mm mortars were found in grid L2 and presumed to be HE and taken to the CDC.

4.2.1.3 Rows 3 through 6

Geophysical anomalies identified as Polygons 2, 3, 4 and 5 are located on the south side of the range road near the entrance of the J-1 Range. A total of 15 surface soil samples were collected from five locations prior to excavation of these geophysical anomalies. Soil samples were collected from one location each at Polygons 2, 3 and 4 (SS05AB, SS05AC, and SS05AD, respectively) and from two locations at Polygon 5 (SS05AE and SS05AF). Samples collected from Polygon 5 had no detections of explosives or perchlorate, but had detections of pesticides, SVOC and VOC compounds (Table 4-4). During a second phase of sampling, four additional samples were collected in the vicinity of Polygons 2, 3 and 4 (SS15134-A, SS-15136-A and SS15137) to further define the extent of explosive contamination in this area. RDX was detected in samples collected from locations SS05AD, SS05AC, SS05AB and SS15137, ranging from 140 µg/kg to 3600 µg/kg (Table 4-3). In 2009, multi-increment soil sampling was conducted in grids I1, I2, I3, I4, I5, I6, J1, J2, J3, J4, J5, J6, K2 and K3. The results of the sampling identified RDX contamination in grids I1, I2, I3, J1, J2, J3, and K3 ranging from 130 µg/Kg to 34,000 µg/Kg. HMX was detected in grids I1, I2, J2 and J3 at concentrations ranging from 1,200 µg/Kg to 3,700 µg/Kg (Figure 4-4, Table 4-5)). Contaminated soil in grids I1, I2, I3, J2 and J3 likely is a contributing source for the J-1 South RDX plume and has been removed for treatment (ECC 2009) (IAGWSP 2009). Approximately 1,665 cubic yards of soil was removed from the J-1 south area. During soil excavation activities one T324 37mm HE projectile was found in grid I3 and is documented in Table 1 of Appendix H.

The target for the 100-meter range was a steel box located on the side of Tunnel Barrier 1. One discrete grab soil sample was collected from the berm, below the base of the target (SS05A). In 2009, a sample was collected from soil removed from the interior of the box-shaped target. There were no explosives detected in these samples (see Tables 4-2 and 4-4 for a list of analyses and analytical detections).

A total of 19 samples were collected from six locations on and around Tunnel Barrier 1. One sample was collected at the top of the mound (CP05B) and one was located at the base of the mound on the slope facing the firing position (CP05C). Samples were collected from three locations near the tunnel entrance at Tunnel Barrier 1 (SS05TA, SS05TB, and SS05TC). One sample was also collected on the uprange side of the projectile trap near the tunnel barrier (SS15145-A/SS05V). There were no explosives or perchlorate detected in these samples. (see Tables 4-2 and 4-4 for a complete list of analyses and analytical detections).

One disposal pit, containing MEC, munitions debris and other debris, was identified in this portion of the range in Area 1 of grid K4 (J1K4-BLP-001). This pit, discovered along the north side of grid K4, contained inert 81mm mortars, inert 105mm projectiles, two M374 81mm mortars (presumed HE), a partial drum, cable, tank parts, concrete, and various scrap. The items within the pit were accompanied by odors, discolored soils, and unknown bottled liquids and solids. These unknown materials were characterized

for off-site disposal. The soil was disposed of off-site due to the presence of PCBs (12 µg/Kg – Aroclor 1254) (Table 4-3). None of the unknown liquids/solids contained explosives or perchlorate. Approximately 20 cubic yards of soil was removed from the pit for off-site disposal. A post-excavation soil sample (SSJ1K4001) was collected. No explosives or perchlorate were detected in this sample (Table 4-4).

Several munitions items discovered during various field investigations in Rows 3 through 6 were blown-in-place (BIP). Two M374 81mm mortars found during a surface sweep in grid J4 and BIP, were determined to be HE. Two M374 81mm mortars found during the access road clearance in grids K5 and J6 and BIP were also determined to be HE. One additional M374 81mm mortar was found during a surface sweep in grid K6 and presumed to be HE. One M49 60mm mortar found in grid J3 was determined to be HE. Two M49 60mm mortars were found in grid K6 and presumed to be HE.

Most of the large aerial extent anomalies investigated in Rows 3 through 6 were identified as concrete pads and large steel plates. These features are visible on historical photographs from the period when testing activities were conducted in this area. Other debris identified within these grids included railroad ties, a 55-gallon steel drum, sheet metal, metal siding, vehicle doors and steel pipes. One disposal pit containing unknown liquids and solids and associated excavated soils were managed for off-site disposal. It is likely that additional M374 81mm HE mortars and M49 60mm HE mortars are present within rows 3 through 6. It is also likely that the quantity is low as a result of clearance activities conducted in this area in support of investigations (roads, well pads, and select anomalies).

RDX and HMX contaminated soil identified in the vicinity of Polygons 2, 3 and 4 has been removed for treatment.

4.2.1.4 Firing Point Area BIP-Related Sampling

A total of 126 samples were collected from 29 locations associated with BIP activities in this portion of the range. BIP sample locations, sample identification, collection date, sample depths, and laboratory analyses associated with this sub-area of the range are listed in Table 4-2. Most of the BIP samples were associated with Polygon 1. Contaminated soils generated as a result of BIP activities were excavated as required in the BIP management program. Table 4-3 contains analytical detections for those soils excavated under the BIP management program.

Three BIP-related soil samples for soil that remains in place have detections of RDX or HMX. Remaining locations with RDX detections are J1.A.T1.PR05.1.0 and SS08526-A. The RDX concentrations in these samples were 54 µg/Kg and 145 µg/Kg. HMX at 130 µg/Kg remains at BIP location SS15231-A (Table 4-3 and Figure 4-3).

4.2.1.5 Firing Point Area Source Characterization Conclusions

Grids H0 to J2 and K2

Aside from a burial pit with .5 lbs of propellant in grid I2, the majority of items identified in this area during intrusive investigations consisted of range related debris. All of the large anomalies identified as possible burials based on the geophysical survey were intrusively investigated and none showed evidence of MEC burials. Field observations indicate that large anomalies that remain on the range are primarily metallic range features (Figure 4-3). Clearance conducted in support of other site investigation activities (road and well pad clearance) also did not suggest the presence of burials or widely distributed MEC items as only range related debris was recovered during these efforts. Based on the significant amount of intrusive investigations conducted in this area, the remaining small isolated anomalies in the area have a high probability of being metallic debris (Figure 4-3). While there is a potential for residual single MEC items, the investigation findings suggest there is a low likelihood of the presence of uninvestigated MEC burials or the potential for widespread distribution of MEC items.

Soil analytical results indicated that explosives contamination was present in surface soils in the vicinity of the former water saw, as well as the area within grids I1, I2, I3, J2 and J3. The significant detections of explosives compounds in this portion of the range indicate that this area was likely the most significant source for the J-1 South RDX plume. These soils have been removed for treatment.

Grids K1, L1 to M2 and Location 59

The findings of investigations in grids K1, L1, L2, M0 to M2 and location 59 suggest that this part of the range was used as a disposal area; numerous munitions disposal pits were identified in this portion of the range. Three munitions disposal pits were identified in grid K1, three burn pits were identified in grid L1, one burial pit was identified in grid M1, and two burial pits were discovered in grid L2. However, the majority of items identified in this area during intrusive investigations consisted of munitions debris and other debris. Munitions debris was identified in each of the grids and consisted of over one thousand inert 81mm and 60mm mortars and 105mm projectiles, hundreds of expended fuzes, thousands of fuze parts, and other miscellaneous munitions debris.

Supplemental geophysical surveys were performed as quality control measures within selected grids to determine the effectiveness of previous munitions investigations and removals. The QC geophysical survey was conducted in grids L1, L2, M1 and M0. MEC items containing small quantities of energetics are 235 M524 fuzes that were discovered within a burn pit in grid L1 and 32 M51 fuzes discovered within a burial pit in grid M1. Three N374 81mm mortars and one M567 adapter booster found in grid L2 were also presumed to be HE and transported to the CDC.

Categories of findings from intrusive investigations in the range are listed in Table 4-1 and specific finds are shown in Table 1 of Appendix H.

There were no detections of explosive compounds in soil associated with the intrusive investigations in this portion of the range (Tables 4-3 and 4-4). Soil samples were analyzed for the parameters identified in Table 4-2. Based on findings of investigations, this portion of the range is unlikely to have contributed significantly to the J-1 South RDX plume.

Rows 3 to 6

Finds from the investigation of this portion of the range suggest that this area was used as the 100 meter range target, as a flyover area and a disposal area. Elevated detections of RDX in this portion of the range have been removed for treatment (370 cy from grids I3 and J3).

All of the large anomalies identified as possible burial pits were intrusively investigated. One disposal pit, containing MEC, munitions debris and other debris, was identified in Area 1 of Grid K4 (J1K4-BLP-001). The excavated soil (20 cy) was disposed off-site due to the presence of PCBs. Additional geophysical investigations of anomalies in Grid K4 will be performed in accordance with the "*Final J-1 Range Targets 22 and 35 Soil Sample Collection and Grid K4 Anomaly Investigation*" Project Note dated July 7, 2010 (ECC 2010).

The majority of the large geophysical anomalies investigated were concrete pads and steel plates. Single impacted UXO were documented but not in the context of an impact area. Munitions items identified as HE included M374 81mm mortars and M49 60mm mortars. However, the quantity of these items was low and the investigation suggests there is a low likelihood for the presence of uninvestigated MEC burials or the potential for widespread distribution of MEC items.

4.2.2 Southern Flyover Area (Rows 7 to 29)

The Southern Flyover Area (Rows 7 to 29) is situated in the southeastern portion of J-1 Range (Figure 4-1). The archive search report indicates that this area of the range was primarily a munitions flyover area for munitions fired downrange. Section 2.2 discusses, in greater detail, historical uses in this portion of the range. Tunnel Barrier 2 is the only visible significant physical site feature located within this portion of the range.

In addition, two significant features were identified during intrusive clearance activities along the J-1 Range Road:

- Mortar Disposal Area - The Mortar Disposal Area was discovered in 1998 during the investigation of a topographical depression, based on witness accounts, on the southwest side of the Range Road within grid J24 (Figure 4-6).
- Polygon 6 - Polygon 6 is located northwest of the Mortar Disposal Area as indicated on Figure 4-6. Munitions debris and other debris materials were discovered.

Soil sampling activities in this portion of the range were generally focused on the features mentioned above. A description of these features was previously presented in Section 2.2. The J-1 Range Rows 7 to 29 soil data set represents site investigations conducted from December 1997 through July 2007. A total of 137 soil samples were collected from 45 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 sub-area are discussed below and presented in Table 4-2. Table 4-3 summarizes analytical detections in soil that has already been excavated during various BIP soil removal actions. Table 4-4 summarizes analytical detections for all soil samples that represent current in-situ site conditions. The complete data-base for all soil analytical results (through 2007) is included in Appendix G. Soil sample locations as well as location and description of MEC items are depicted on Figure 4-6. Figure 4-7 represents the existing site conditions, and includes chemical result boxes for samples with explosive or perchlorate detections. Munitions items were categorized based on their explosive characteristics, as defined in previous sections. Categories of findings from intrusive investigations in the range are listed in Table 4-1 and specific finds are located in Table 1 of Appendix H.

4.2.2.1 Rows 7 to 29 Findings

Based on the site history and munitions finds, this portion of the range was predominantly used as a flyover area for munitions testing. As indicated on Figure 4-6, site investigations have been conducted throughout this portion of the range. Soil sampling was focused on physical site features, geophysical investigation areas, and other areas of interest identified from the review of historic photographs, range records or witness accounts. In addition to the focused intrusive investigations of geophysical anomalies other investigative activities including monitoring well pad construction and access road maintenance often involved intrusive clearance work. The findings from all of these activities helped characterize this portion of the range. A summary of notable investigation results in this area is provided below.

The dominant feature within this portion of the range is Tunnel Barrier 2 located in grid J10. A surface sweep was performed in this area prior to the range-wide geophysical survey and no MEC items were reported. The large remaining geophysical signatures in the vicinity of Tunnel Barrier 2 are associated with steel plates. A total of five samples were collected from two locations on and around Tunnel Barrier 2 (Figure 4-6). Soil samples were collected from the top of the mound (CP05D) and from the base of the mound adjacent to the uprange slope (CP05E). There were no explosives detected in these samples.

Prior to the EM-61 geophysical survey, a large Mortar Disposal Area was discovered in December 1997 during the investigation of a topographical depression on the southwest side of the range road within grid J24 (Figure 4-6). Approximately 1067 M374 81mm inert mortars were recovered from this disposal area. In addition, 60mm inert mortars, fuzes and other munitions debris were discovered within the pit. Two 105MM HE/M51 PD Fuzes were BIP and determined to be HE. Soil samples were collected from the bottom of the excavation (sample location SS05EF, sample ID BG5EAA) and from the

excavated soil (sample location SS05EF, sample ID BG5FAA). There were no explosives detected in either soil sample. Supplemental geophysical surveys were performed as quality control measures within selected grids to determine the effectiveness of previous munitions investigations and removals. The follow up geophysical survey was conducted in grid J24 in order to determine the thoroughness of the munition clearance activities at the Mortar Disposal Area. Findings from subsequent intrusive investigations included inert 81mm and 60mm mortars and munitions debris. Two inert M374 81mm mortars were identified with live M524 fuzes.

Intrusive investigation of a large subsurface anomaly in grid J12 identified a burial pit containing 154 inert M374 81mm mortars (J12-BLP-001). Additional inert items found within the excavation included nine M72 66mm warheads, two 3.5 inch rocket fin assemblies and two 2.75 inch rocket assemblies. Since all the projectiles were determined to be inert, no soil samples were collected from this burial pit. An additional anomaly, J1J12 Area1, was determined to contain metallic debris (Figure 4-6).

A large geophysical anomaly was detected in grid K27 and designated as Polygon 6. Seven soil samples were collected from two sample locations (SS05OA and SS05OB) prior to the initiation of intrusive activities. There were no explosives detected in these samples. Only munitions debris and other debris were recovered from this area, and therefore, no soil samples were collected during or after the excavation (Table 4-1). A follow-on geophysical survey was conducted in grids K27 following the intrusive investigation of Polygon 6. Subsequent intrusive finds included one MEC item and residual munitions debris and other debris. The MEC item was an inert M374 81mm mortar with live M524 fuze. Two additional aerial photo feature grids in the vicinity of Polygon 6, designated Locations 53 and 51, were investigated. These features were selected based on aerial photo and site reconnaissance indications of past surface disturbances. A geophysical survey was conducted at Location 53 but no investigation was performed due to the presence of only very small anomalies. Location 51 was investigated with handheld magnetometers and munitions debris and other debris was identified.

During various investigation support activities, three HE, M9 Rifle grenades were found within grids J11, J17 and L16. These items are likely associated with historic training activities. Based on these finds additional investigations were conducted northeast of the J-1 Range Access Road in grids J11-17 and K11-17. During these investigations, six additional M9 Rifle Grenades were discovered that were determined to be HE. Additional items found during the investigation are documented in Appendix H Table 1.

A detailed reconnaissance was performed in grids I8 and I9 (J1I8 Areas 1-3, J1I9 Area 1) because of indications of past surface disturbances. Numerous small anomalies were detected and identified as fragmentation debris. A large geophysical anomaly, J1I8 Area 1, was investigated in grid I8 within the berm that bounds the edge of the range. Findings within the anomaly included munitions debris and other debris. Additional areas on the southwest side of the range berm in grids I8 and I9 were also investigated; however, only munitions debris and other debris were identified. Grid I8 contained two M374 81mm inert mortars with live M524 fuzing.

One presumed HE M374 81mm mortar was found in grid K7. It is not clear from site records if this item was inert or HE but it is likely associated with historic testing activities.

Geophysical investigations of Location 9 (grid J22), Location 6 (grid K26), Location 15 and 35 (grid J7) identified only munitions debris and other debris. Four 105mm HEAT rounds were found in grid J15 and were BIP and determined to be inert. Three, M374 81mm mortars, found in grid J16, were determined to be inert with live M524 fuzing.

A single M760 105mm HE projectile was found within grid J8, blown-in-place and reported as HE. A 155mm projectile with exposed filler was found and removed in grid J8.

4.2.2.2 Southern Flyover Area BIP Samples

Some potential unexploded ordnance items discovered during intrusive field investigations, and road and well pad clearance activities, were BIP. A total of 118 samples were collected from 44 locations associated with BIP activities in the J-1 Southern Flyover Area South. BIP sample locations, sample identification, collection date, sample depths, and laboratory analyses associated with this sub-area are identified in Table 4-2. 2,4 DNT was detected in the pre-BIP sample SSJ1RD022 at 29 µg/Kg, however, the soil at this location was excavated under the BIP management program (Table 4-3).

Four explosive compounds (RDX, nitroglycerin, tetryl and perchlorate) were detected in four BIP soil samples that were not excavated. Two post-BIP sample locations had RDX detections (SS287-A, and SSJ1I18001) at 14 µg/Kg and 22 µg/Kg, respectively. Tetryl was detected in two post-BIP samples (SSJ1I18001 and SSJRANGED) at 28 µg/Kg and 680 µg/Kg, respectively. Perchlorate was also detected in two pre-BIP samples at locations SS287-A and SS288-A at 2.4 and 2.2 µg/Kg respectively (Figure 4-7, Table 4-4). The significance of these detections is further evaluated in the risk screen (Section 6). There were no other explosive compounds detected in pre-BIP samples.

4.2.2.3 Southern Flyover Area Characterization Conclusions

All of the large geophysical anomalies identified in this portion of the range were investigated and where appropriate, the contents excavated; large anomalies that still remain are associated with observed steel plates. Most of the anomalies were related to munitions debris and other debris; however, a few were representative of inert munitions in disposal pits. No MEC burials were identified in this portion of the range nor were any significant soil contamination identified.

Some small to medium size anomalies remain in this portion of the range (Figure 4-7). It is possible that single 60mm or 81mm mortars may remain on the range. Based on the types of rounds recovered, there is a high likelihood that any residual rounds would be inert or inert with live fuzing. It is also possible that additional M9 HE Rifle Grenades exist within grids Columns J, K and M, Rows 11 to 17. While there is a potential for

residual single MEC items, the investigation findings suggest there is a very low likelihood of the presence of MEC burials or the potential for widespread distribution of MEC items. The geophysical data for this area shows a lesser density of anomalies compared to other areas at the J-1 Range. In addition, clearance activities conducted in this area in support of investigations (roads, well pads, and select anomalies) indicated a relative lack of significant finds. No groundwater contamination is known to exist in this portion of the J-1 Range.

4.2.3 Interberm Area (Rows 30 to 44)

The Interberm Area (IBA) is situated in the mid-range portion of the J-1 range (Figure 4-1). The Archives Search Report documents that this area of the range was used as the firing, testing and disposal area for the munitions testing that occurred at the range. Section 2.2 discusses in greater detail historical range uses and potential disposal activities in this portion of the range.

The following specific physical site features are or were formerly located within this sub-area:

- Firing Point 3
- 1,000 Meter Berm
- 150 Meter Berm
- Popper Kettle/J-3 Waste Water Discharge Area
- Cook-Off Test Location
- Steel Lined Pit
- Magnetic Anomalies/Partially Buried Tanks and Tank Parts
- Potential Burn Area

In addition, disposal areas were identified as a result of the initial intrusive investigation of geophysical anomalies. These disposal areas include the following:

- Burial Trench - A burial trench approximately 108-feet long by 4-feet wide by 4-feet deep, was uncovered adjacent to Polygon 16 on the west side of the road opposite the 150 meter berm (Figure 4-8), during well pad clearance activities. Approximately 30 five-gallon metal containers, filled with what appeared to be solid paint-related materials, were found placed end-to-end along the length of the trench.
- Polygon 16 - A shallow burn pit in grid H40 and I40 which contained a deteriorated drum with burn material, a five-gallon bucket of tar-like substance and munitions and other debris.
- Polygons 7 through 15 – Numerous large geophysical anomalies, designated as Polygons 7 through 15 (Figure 4-8). Polygons 9 (grid H35) and 10 (grid H38) contained disposal and burn pits and Polygons 14 and 15 (grid J40) contained three disposal pits. Polygon 8 (grid I33), Polygon 11-13 (grids I39 and I40)] were not classified as disposal pits.
- Disposal pits were identified in grids K38 (K38-BLP-001), grid J39 (J39-BNP-001), grid K34 (K34-BLP-001), Location 44/grid H 37 (J1APA-BLP-001), grid H39 (H39-

BLP-001), grid K36 (K36-BLP-001 and K36-BLP-002) and grid J36 (J36-BNP-001), grid K38 (K38-BLP-001), grid J39, and grid K34 (K34-BLP-001)

Soil sampling activities were generally focused on the physical site features and disposal pits identified above. A description of each of the physical site features was previously presented in Section 2.2. The soil data set for the IBA represents site investigations conducted from December 1997 through September 2009. A total of 637 soil samples were collected from 164 locations within this portion of the range. In most cases samples were collected from multiple depths at the same location, resulting in a larger number of samples than sample locations. Additional details about soil samples collected around each feature within this sub-area are described below. Table 4-2 contains details on sample depths and analytes. Figure 4-8 depicts all sample locations as well the location and description of identified MEC items. Figure 4-9 depicts multi-incremental sampling decision units. Figure 4-10 depicts excavation areas. Table 4-3 summarizes analytical detections in soil samples representing soil that has already been excavated (pre-2009) during intrusive investigations, removal actions or under the BIP Program. Table 4-4 summarizes detections for soil samples that represent current site conditions. Sample locations and geophysical data representing current conditions are depicted on Figure 4-11.

The results of geophysical investigations and soil sampling are discussed below. Due to the significant amount of data generated during the extensive geophysical investigations in the IBA, the discussion for the geophysical investigation is focused primarily on MEC discoveries. Figure 4-8 identifies each investigation area and Table 4-1 lists each investigation and provides a general description of the types of anomalies that were identified (i.e. MEC, munitions debris or other debris). Table 1 of Appendix H provides a detailed listing of finds from each geophysical investigation. Munitions constituents are presented in Table 4 of Appendix H.

For data presentation purposes, the IBA is divided into three sub-areas, based on the conceptual site model presented in the Munitions Source Assessment (Appendix H). The area within Rows 30 to 33 was used as an impact area, Rows 34 through 42 was primarily related to disposal activities and Rows 43 through 44 was primarily a flyover area.

The discussion below first presents the investigative results of the major range features and surface soil sampling results, followed by a more focused discussion of disposal pits discovered during intrusive investigations of geophysical anomalies. Individual MEC items found during the various investigations are discussed last.

4.2.3.1 Rows 30H to 33M

The conceptual site model of munitions use in this portion of the IBA 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 H. The available information suggests that this area, between Rows 30 and 33, was used as an impact area during the testing of mortar fuzing.

Soil samples were collected from three locations prior to intrusive investigations in grids I30 and I31 (SSJ1I31, SSJ1I30, and SSJ1J31). Most of the soil sampling conducted in this portion of the range was associated with BIPs. All pre-BIP sampling results were non-detect for explosives and perchlorate. Post-BIP contaminated soils were removed in accordance with the BIP protocols. No explosives or perchlorate were detected in these sample locations (Figure 4-8). Inert mortar discoveries from intrusive investigations occurred in grids I30, I31 and J31.

The munitions discovered during intrusive investigations in this area primarily consisted of inert M374 81mm and M720 60mm mortars with suspect fuzes. The only Items identified as MEC were one M524 fuze that was taken to the CDC and one inert M374 81mm mortar (with a live fuze). It should be noted that the M374 81mm and M720 60 mm mortars that were BIP had suspect fuzing.

Two large anomalies, Polygon 7 in grid K33 and Polygon 8 in grid H33 were intrusively investigated. Polygon 7 contained steel plates and Polygon 8 contained heavy gauge sheet metal and minor munitions fragmentation debris. Based on the types of items found no soil samples were collected at Polygons 7 and 8. The geophysical data for this area shows a lower density of anomalies compared to the interberm area. The lack of large geophysical anomalies suggests that the use of this area was different from that of the interberm area and was not used for munitions burial

Based on indications of past surface disturbances, a detailed reconnaissance was conducted along the southwestern side of the IBA to identify potential burials. (Figure 4-9). UXO Technicians using hand-held magnetometers (Schonstedts) walked the area and categorized audible responses according to response size. Anomalies with an audible response greater than six-feet in size (Type E or larger) were intrusively investigated since anomalies of this size or larger could be indicative of burial pits. During this reconnaissance, an inert M456 105mm HEAT round with live fuze was discovered in grid H33. No E-size anomalies were encountered during this reconnaissance. Aerial assessment Location 58 in grid H31 was investigated and only munitions debris was recovered.

4.2.3.2 Rows 34 through 44

The conceptual site model for this portion of the IBA was developed from observed range characteristics, range records, review of aerial photographs, and intrusive investigation finds. This information was used to refine the understanding of historical range activities and to map the munitions use and disposal conceptual site models. The conceptual site model suggests that the area between Rows 34 and 42 of the IBA is a general disposal area that also includes munitions testing. Within the central portion of the IBA, range features, including a former Popper Kettle/Wastewater discharge area and steel-lined pit, were discovered. These features are considered the primary contributors to the northern J-1 plume as discussed further below. In this portion of the IBA a MEC disposal area has also been mapped based on MEC finds (Appendix H).

Two large earthen berms are the dominant features within this area of the IBA. They are designated the 1,000 meter berm and the 150 meter berm. Both berms were used as backstops during historic munitions testing. Munitions were fired from the firing line in the southern portion of the range into the 1,000 meter berm. Firing Point 3 was primarily used for firing into the 150 meter berm.

A total of 20 samples were collected from six locations from a suspected burn area located on the south side of the Range Road (SS15152-A through SS15157-A) (Figure 4-8). The suspected burn area was identified based on witness interviews – a precise location could not be identified due to the absence of visible burn residue. Details regarding sample depths and analyses are presented in Table 4-2 and the results of detected analytes are listed in Table 4-3 and Table 4-4. 2,4-DNT was detected in sample SS15156-A at a concentration of 220 µg/kg (Table 4-4, Figure 4-11). Two 5-point composite soil samples were collected from one sample location (CP05J) near Firing Point 3 in grid K35 (Figure 4-8). No explosives were detected in these samples.

Samples were collected in grids N38, M38 and M39 above three geophysical anomalies located in the IBA (SS05BA, SS05BB, SS05BC, SS05BD, SS05BD, SS05BE, SS05BF, and SS05CA). Additional soil samples were collected from general locations in the vicinity of these anomalies (SS05CB through SS05CI). A borehole (BH-31) was also advanced in this investigation area (Figure 4-8). Details regarding sample depths and analytes are presented in Table 4-2 and analytical detections are included in Table 4-4. Tetryl was detected at sample location SS05CC at 590 µg/kg in the 0- to 0.25-feet bgs sample, and at 48,000 µg/kg in the 0.5- to 1.0-feet bgs sample (Table 4-4 and Figure 4-11). 2,4-DNT was detected at sample location SS05CF at 470 µg/kg, and 2-amino-4,6-dinitrotoluene was detected at sample location SS05BA at 140 µg/kg. There were no explosives or perchlorate detected in any other samples. One M43 81mm mortar was found in grid N39 during a reconnaissance; the item was BIP and determined to be HE.

Firing Point 3 was a firing position used during various munitions testing activities. The 150 meter berm generally acted as a target/backstop for items fired in this area. Two 5-point composite soil samples were collected from one sample location (CP05J) at Firing Point 3 (Figure 4-8). No explosives were detected in these samples.

Multi-increment sampling conducted more recently (2009) identified additional soil contamination (Figure 4-9). Samples were analyzed for explosives compounds and perchlorate from the grids identified on Figure 4-9. 2,4-DNT was detected at concentrations ranging from 890 µg/Kg to 4,200 µg/Kg. RDX was detected in one grid (J37) at 2,200 µg/Kg. HMX was detected in this same grid at 390 µg/Kg. This RDX contaminated soil, and 2,4 DNT contaminated soil at concentrations greater than 2,000 µg/Kg were removed for treatment (ECC 2009). The excavation boundary is presented on Figure 4-10.

Grids 34H through 38J

Intrusive investigations of geophysical anomalies within these grids resulted in the discovery of numerous subsurface disposal areas.

Three disposal areas were identified in the treeline along the southern range boundary. A location identified as Polygon 9 contained a burn pit. MEC items encountered included: one M524 fuze, two 105mm cartridge case with live primers, and residual propellant (approximately 2 ounces) from a 105mm cartridge case. Additional munitions debris and other debris were also discovered. Soil samples were collected from the burn pit (sample location SS08525-A), within the observed ash layer (sample ID J1.F.T9.001.2.0), from excavated soil (sample ID J1.F.T9.001.1.0), and from the pit bottom (sample ID J1.F.T9.001.3.0). Approximately 3 cubic yards of soil were removed from this pit. HMX was detected in the ash layer at 460 µg/Kg (Table 4-3). There were no explosives detected in the excavated soil or the pit bottom. The ash layer was disposed off-site at an approved facility. A follow-on geophysical survey was conducted in grids H35 and H36 after the intrusive investigation of Polygon 9. Findings from this survey indicate that residual anomalies, J1H35 Area 1 through J1H35 Area 10 and J1H36 Area 1 and J1H36 Area 2, were various munitions debris and other debris, consistent with materials recovered during the previous investigation. There were no explosives or perchlorate detected in the pre-investigation sample collected from grid H36 (sample location SS15144-A).

Two areas and seven individual targets were investigated at aerial assessment Location 44. A disposal pit, J1APA-BLP-001, was found in Location 44, Area 1 containing MEC, munitions debris and other debris. MEC items consisted of 176 37mm projectiles with inert bodies and live fuzes, and 307 14.5mm trainer-spotters. Three additional items, an M374 81mm mortar, M49 60mm mortar, and M456 105mm HEAT all with inert bodies and live fuzes, were discovered in the pit. Approximately 150 cubic yards of soil was removed during intrusive investigation and disposed at a permitted off-site facility. While the waste characterization sample did not have any detections of explosive or perchlorate, the soil was disposed off-site due to the presence of benzo(a) pyrene at 280 µg/Kg (Table 4-3). Soil samples were collected from the bottom of the excavation (sample location SSJ1L44BLP01). There were no explosives or perchlorate identified in this sample. Location 44 Area 2 contained one inert M49 60mm mortar with live fuze, 60mm mortar fins, and miscellaneous other debris. The remaining anomalies investigated at Location 44 contained various munitions debris items.

In December 2000, a disposal pit was discovered around grid H37, partially overlapping Location 44. This pit was identified during the surface sweep conducted at the J-1 range prior to the geophysical survey. Within the pit, 424 inert M49 60mm mortars, 208 inert M374 81mm mortars, and one inert M43 81mm mortar were discovered. In addition, eight MEC items consisting of M557 PD fuzes were taken to the CDC for disposal. No soil samples were collected during the investigation of this disposal pit.

Polygon 10 included a burn pit that contained MEC, munitions debris and other debris (including asbestos sheets). MEC items encountered were twelve 105mm cartridge casings with live primers. A three-inch ash layer was observed in the burn pit at a depth of 21-inches below ground surface. The ash layer was segregated from the soil during excavation. Approximately three cubic yards of ash and soil were excavated from the burn pit. Soil samples were collected from the ash layer (sample ID J1.F.T10.XC1.3.0), excavated soil (J1.F.T10.XC1.1.0) and from the pit bottom (J1.F.T10.XC1.2.0). 4-Nitroaniline was detected in the ash, soil and post excavation samples at 95 µg/Kg;

100 µg/Kg and 110 µg/Kg, respectively. Perchlorate was not detected in this sample. The excavated soil, including the ash layer, was disposed off-site at an approved facility. Supplemental geophysical surveys were performed as quality control measures within selected grids to determine the effectiveness of previous munitions investigations and removals. The follow-on geophysical survey was conducted in grids H38 and H39 after the intrusive investigation of Polygon 10. Findings from these intrusive investigations indicate that residual anomalies, J1H38 Area 1 and J1H39 Area1, consisted of various munitions debris and other debris consistent with the initial Polygon 10 investigation.

A disposal pit was also discovered in grid J-36 (J36-BNP-001). This disposal pit contained five pieces of M30 propellant (<0.1 lbs), four ignition cartridges, and .50 caliber ball small arms. The pre-investigation soil sample [sample location SSJ1J36001, sample ID J36-BNP-001 (pre)] contained HMX at 300 µg/Kg, RDX at 760 µg/Kg, TNT at 140 µg/Kg, 4-Amino-2,6-Dinitrotoluene at 250 µg/Kg, 2,4-DNT at 910 µg/Kg, 2-Amino-4,6-Dinitrotoluene at 280 µg/Kg (Table 4-3). The sample was not analyzed for perchlorate because the items identified do not contain perchlorate. The pre-BIP sample from this location (SSJ1I37001) contained TNT at 32 µg/Kg. Approximately 29 cubic yards of soil was removed and disposed at a permitted off-site facility. A soil sample collected from the pit bottom [sample ID. J36-BNP-001 (post)] contains RDX at 160 µg/Kg, TNT at 560 µg/Kg, 2-Amino-4,6-Dinitrotoluene at 130 µg/Kg, and 4-Amino-2,6-Dinitrotoluene at 140 µg/Kg (Table 4-4, Figure 4-11). The sample was not analyzed for perchlorate. The significance of these detections is further evaluated in the risk screen (Section 6). A follow-on geophysical survey was conducted in grid J37 and J38. Only small scattered anomalies were detected and no further investigation was conducted.

BIP location SSJ1RD016, located in grid J34 had HMX at 60 µg/Kg in the pre-BIP sample. There were no explosives detected in the post-BIP sample, therefore, this soil sample remains in place (Figure 4-11).

Grids 34K through 38N

Five locations on the 1,000 meter berm were sampled (Figure 4-8). There were no explosives or perchlorate detected in these samples. Soils in the vicinity of the steel plates formerly located on the face of the berm were also evaluated for the presence of depleted uranium. Depleted uranium was not detected in these soils (AMEC 2004). Samples were also collected from a topographical high area north of the 1,000 meter berm (SS05CK, SS05CJ) and from soil boring BH-32, which was drilled west of the berm. Perchlorate was detected in the soil sample collected from SS05CK at a concentration of 4.8 µg/Kg in the 0- to 0.25-feet. bgs sample interval (Figure 4-11 and Table 4-4). No explosives were detected in the soil sampled in this portion of the range. Soils from the uprange face of the 1,000 meter berm were removed during a robotics demonstration in 2008 (as discussed in more detail later in this section). There were no MEC items recovered from the face of the berm.

Two pre-investigation soil samples, SSJ1K34-NW and SSJ1K34-SE, were collected to gather a general understanding of the soil contaminant characteristics of this area prior to intrusive investigation in grid K34. No explosives were detected in soil sampled in this

portion of the range. A disposal pit, K34-BLP-001, was identified in grid K34. Only munitions debris and other debris were recovered. No MEC items were encountered within this disposal pit. A follow-on geophysical survey was conducted in grid K34. Based on the results of the survey, three additional anomalies were investigated. These anomalies, Target 2, Target 3, and Target 4, consisted of munitions debris and other debris. Nearby anomaly Location 25 in grid L35 was determined to be other debris.

A total of 111 samples were collected from 16 locations associated with the Popper Kettle/wastewater discharge area in grid K35 (Table 4-2), including soil boring samples associated with monitoring well MW-136. There were no explosives detected in these samples. During the excavation and removal of the former Popper Kettle, samples for waste characterization were collected from the ash within the Kettle and from a mixture of soil and ash removed from beneath the former Popper Kettle (SS05S). This sample contained elevated concentrations of explosive compounds (RDX at 10,000 µg/Kg, HMX at 2,800 µg/Kg, picric acid at 1,100 µg/Kg, 2-amino-4,6-dinitrotoluene at 230,000 µg/Kg, 2,4-dinitrotoluene at 4,800 µg/Kg, 2,6-DNT at 26,000 µg/Kg, trinitrotoluene at 17,000,000 µg/Kg, 1,3,5 trinitrobenzene at 31,000 µg/Kg) and lead at 14,800 mg/Kg (Table 4-3). These samples were not analyzed for perchlorate. This material was disposed of off-site.

Approximately 544, 14.5mm subcal cartridges were recovered from the Popper Kettle. The contents of the kettle were drummed and the kettle was removed in June 2001.

A post-excavation soil sample (location SS05AA) was collected from the location of the former Popper Kettle subsequent to its removal. There were no explosives detected in this sample. However, the sample had elevated concentrations of lead ranging from 343 mg/kg to 701 mg/Kg (Table 4-3). Adjacent sample location SS05P also had elevated lead concentrations (35,600 mg/Kg). Soil from this area of high lead concentrations was excavated to a depth of one-foot bgs resulting in approximately 60 cubic yards of lead-contaminated soil being removed and disposed off-site. Three discrete, post-excavation samples were collected from the base of the excavation and analyzed for lead. The samples were collected from locations SS05P, SS05Q, and SS05R. Results confirmed that the lead hotspot was adequately removed, with remaining lead results ranging from 12 mg/Kg to 56.8 mg/Kg. Details regarding sample depths and analytical suite are presented in Tables 4-2 and analytical detections are included in Tables 4-3 (current conditions) and Table 4-4 (results from excavated soil). Supplemental geophysical surveys were performed as quality control measures within selected grids to determine the effectiveness of previous munitions investigations and removals. The follow-on geophysical survey was conducted in grid K35, in the vicinity of the former Popper Kettle. One area, J1K35 Area 1, was selected for intrusive investigation. No MEC items were found.

Two disposal pits, K36-BLP-001 and K36-BLP-002, were identified in the immediate vicinity of Firing Point 3. A burn kettle was discovered in burial pit K36-BLP-001 in which MEC items were discovered consisting of 154 electro-explosive devices and an indeterminate quantity of stab detonators. The electro-explosive devices and stab detonators range contain less than 1 gram of energetic material. The kettle and associated soils were removed in June 2001. Approximately six cubic yards of soil was

excavated from this burial pit. The stab detonators and electro-explosive devices could not be safely segregated from the soil. Therefore, this material was sent to a permitted off-site disposal facility. A sample collected from the bottom of the excavation [SSJ1K36001(post)] was non-detect for explosive compounds, but had a trace of perchlorate (2.5 µg/kg) (Figure 4-11, Table 4-4).

MEC items recovered in burial pit K36-BLP-002 consisted of eight 14.5mm trainer-spotters, five explosive boosters, and 24 lbs of M30 propellant. One inert M374 81mm mortar was also found. A sample collected from the bottom of the burial pit excavation [SSJ1K36002(post)] was non-detect for explosive compounds and perchlorate. A total of 144 cubic yards of soil was removed from burial pits K36-BLP-001 and K36-BLP-002. A waste characterization sample (K36-BLP-002) collected from the excavated soil identified 2,4 DNT at 150 µg/Kg (Table 4-3). This soil was disposed off-site at an approved facility. One additional polygon, J1-41, was investigated in grid J36. The polygon contained assorted munitions debris and other debris. A follow-on geophysical survey was conducted in grid K36 and one anomaly, J1K36 Area 1, was selected for investigation. The investigation identified only munitions debris.

A total of 28 soil samples were collected from six locations associated with the Cook-off Test Location (Figure 4-8) and the surrounding area in grid L37. Sample SS05DA was collected from the inferred location of the cook-off tests, and soil samples were collected during the installation of MW-191 (J1P-15) at the same location. Additional samples (SS15139-A, SS15140-A, SS15141-A) were collected in the general vicinity of this area to fill data gaps. No explosives or perchlorate were identified in these samples (Figure 4-11).

Pre-investigation sample [J1K38-BLP-001 (pre)] collected from grid K38 identified Tetryl at a concentration of 150 µg/Kg (Table 4-3). Intrusive investigation in this grid resulted in the discovery of a burial pit (K38-BLP-001). MEC items discovered in this pit consisted of twenty-four high explosive pellets. This material was taken to the CDC for final disposition. Other debris was found in the excavation. Approximately 16 cubic yards of soil was excavated from this pit. There were no explosives or perchlorate detected in a soil sample collected from the pit bottom [J1K38-BLP-001 (post)]. The soil was disposed off-site at an approved facility. A follow-on geophysical study was conducted in grid K38. Five anomalies were investigated, J1K38 Area 1 through J1K38 Area 5, and the findings consisted of various debris.

Two additional anomalies were investigated in grid I37. Anomaly 6859 consisted of assorted munitions debris and other debris. Anomaly 6860 consisted of assorted munitions debris and an M1 105mm projectile that was BIP and determined to contain HE.

Grids 39H through 44J

A detailed reconnaissance was conducted along the southwestern side of J-1 Range from Rows 31 to 43 (Figure 4-8). UXO Technicians walked the area using hand-held magnetometers (Schonstedts) and categorized audible responses according to

response size. Anomalies with an audible response greater than six-feet in size (Type E or larger) were intrusively investigated under the presumptions that an anomaly of this size or larger could represent a burial pit.

A disposal pit with MEC items was found in grid H39, at J1H39 Area 2. The pit, designated as H39-BLP-01, contained 17 60mm illumination Candles with presumed pyrotechnics. These MEC items were taken to the CDC for disposal. Munitions debris and other debris were also found at this location. Approximately 13 cubic yards of soil was removed during intrusive investigation and characterized concurrently with the soils from Location 44. The soils were disposed at a permitted off-site facility. A soil sample collected from the base of excavation (SSJ1H39BLP001) was non-detect for explosives and perchlorate.

Propellant bags were discovered in grid H40 at J1H40 Area 2. Samples were collected from the soil beneath the propellant bag sample location, SSJ1H40002, sample ID SSJ1H40002PE). This sample had perchlorate at 1.8 µg/Kg and 2,4-DNT at 1300 µg/kg. Approximately 2 cubic yards of soil was excavated for off-site disposal. The sample collected from the excavation bottom (sample location, SSJ1H40002, sample ID SSJ1H40002PE_2) was non-detect for explosives. An inert M374 81mm mortar with a live fuze was also found along with munitions debris and other debris.

Nine additional large anomalies, J1H36 Area 3, J1H38 Area 2, J1G39 Area 1, J1H39 Area 3, J1H40 Area 1, J1G40 Area 1, J1G41 Area 1, J1H41 Area 2 and J1H43 Area 1, were investigated during the reconnaissance. With the exception of Locations J1H38 Area 2 and Location J1H40 Area 1, none of the areas contained MEC items; only munitions debris and other debris. A M43 81mm mortar was found adjacent to J1H38 Area 2 in grid G38 and determined to be HE based on the observations of the BIP event. Location J1H40 Area 1 contained munitions debris and other debris as well as a low order M1 105mm projectile with residual HE. This item was taken to the CDC.

Polygons 11, 12, and 13 located between grids I39 and I40 were investigated concurrently. Only munitions debris and other debris were identified at this location. Surface soil samples were collected prior to intrusive activities (SS05NA). This sample was non-detect for explosives compounds. No additional soil samples were collected. One additional nearby anomaly in grid I39 was investigated at Location 12 that also contained other debris. A follow-on geophysical survey was conducted in grids I39 and I40 after the intrusive investigation of Polygons 11, 12, and 13. Only small, scattered anomalies were detected and no further investigation was conducted.

The steel-lined pit located in the Interberm Area, was situated on the west side of the range road, southwest of the 150 meter berm, as shown in Figure 4-8. Excess propellant, UXO and other miscellaneous debris were burned in the former steel-lined pit, as discussed in Section 2.2. The steel-lined pit was a three-sided open topped steel structure imbedded in the ground with a drainage hole in the bottom. One composite sample was collected from the soil surrounding the pit (sample location CP05CP), one grab sample was collected from the soil in the pit (sample location CP05N, sample ID BG5DAA), and one grab sample was collected from soil beneath the hole at the bottom

of the pit (sample location CP05N, sample ID BG5CAA). The soil inside the pit had detectable concentrations of explosives (HMX at 9,300 µg/Kg and 2,4 DNT at 200 µg/Kg) (Table 4-3). These soils and associated debris were placed in 55-gallon drums and disposed off-site. The sample collected from beneath the hole in the pit did not have detectable explosives compounds. The sample (CP05CP) collected from the surface soils surrounding the pit had a detection of 2,4 DNT of 550 µg/Kg. Additional soil samples (sample location CP05N, sample IDs B05NAA, B05NBA,) were collected from the open side of the pit before the steel lining was removed in October 1999. These samples did not have any detections of explosives or elevated metals concentrations. None of the samples were analyzed for perchlorate. The area was subsequently backfilled to allow for the installation of a water table monitoring well MW-58. Additional information regarding the steel-lined pit removal is available in the *Draft Rapid Response Action Work Plan* for Camp Edwards (Ogden 2000).

A geophysical survey was conducted in grid J39. A burn pit was discovered in J1J39 Area 10. Munitions debris, other debris and MEC items were identified in this pit. MEC items encountered consisted of one thousand two hundred nine 14.5mm trainer-spotters three M953 fuzes, and 37mm cartridge casings with live primers. The 14.5mm trainer-spotter contained a smoke agent composed of zinc chloride (6.48g). Live primers contain less than 1 gram of energetic material. The 14.5mm trainer spotter contained The fuzes and cartridge casings were taken to the CDC for disposal. The energetic state of the 14.5 mm rounds with melted aluminum casing could not be verified and were unable to go the CDC for disposal. Therefore, this material was sent to a permitted off-site disposal facility. A soil sample was collected from the pit bottom after the initial excavation [sample ID J1J39BNP_PE]. This sample contained RDX at 500 µg/Kg and TNT at 440 µg/Kg. This sample also had elevated lead concentrations (420 mg/Kg). Additional soil was removed from the excavation and another pit bottom sample was collected (sample location SSJ1BNP001, sample ID J1J39BNP_PE2). The pit bottom sample contained TNT at 300 µg/Kg, 2-Amino 4,6-dinitrotoluene at 160 µg/Kg, and 2-Amino 4,6-dinitrotoluene at 170 µg/Kg (Table 4-4, Figure 4-11). A total of 88 cubic yards of soil was removed during intrusive investigations and disposed of at a permitted off-site facility. Only munitions debris and other debris were recovered from the remaining 10 anomalies that were investigated, J1J39 Area 1 through J1J39 Area 9 and J1J39 Area 11. Two additional nearby geophysical anomalies in grid J39, Location 14 and Location 19, were investigated and determined to be other debris. Therefore, no soil samples were collected.

Polygons 14 and 15 were addressed concurrently and consisted of three burial pits that contained MEC items, munitions debris and other debris. MEC items discovered included 316 105mm cartridge casings with live primers. One surface soil sample was collected prior to intrusive activities (SS05NB). There were no explosives detected in this sample. Soil samples were collected from the excavated soil (J1.F.T14.XC1.1.0) and from the pit bottom (J1.F.T14.XC1.2.0). There were no detections of explosives or perchlorate in either sample and the soils were backfilled. One additional nearby geophysical anomaly in grid J40, Location 31, was also investigated and consisted of various non-munitions debris. Supplemental geophysical surveys were performed as quality control measures within selected grids to determine the effectiveness of previous munitions investigations and removals. The follow-on geophysical survey was conducted

in grid J40 after the intrusive investigation of Polygons 14 and 15. The four anomalies in this geophysical survey were investigated (J1H40 Area 1 through J1H40 Area 4) and were determined to be related to various munitions debris and other debris consistent with previous investigations.

A burial trench, approximately 108-feet long by 4-feet wide by 4-feet deep, was discovered adjacent to Polygon 16 on the west side of the range road opposite the 150 meter Berm (Figure 4-8). Approximately 30 five-gallon metal containers, filled with what appeared to be solid paint-related materials, were found placed end-to-end along the length of the trench. The containers were excavated and placed into 55-gallon drums for off-site disposal. Initial post excavation soil sample results identified elevated concentrations of bis(2-chloroethyl ether) (2,500 µg/kg). Additional soil was excavated to remove this detection. Composite post-excavation samples (SS05FA1 - SS05FA5, SS05FAA3) were collected from the base and walls of the excavation at five locations spaced evenly along the length of the trench. There were no explosives detected in these samples. Details regarding sample depths and analytes are presented in Table 4-2 and analytical detections are listed in Table 4-4.

The investigation of Polygon 16 (grids H41/I41) identified a burn pit and a burial pit. The burn pit contained 60mm mortar fins, a metal rod, and a 5 gallon can containing tar-like material. In addition, stained soil was identified in the pit. A sample was collected from the stained soil (J1.F.T16.003.1.0) which had a detection of 4-Nitroaniline at 77 µg/Kg. A sample collected from the base of the burn pit excavation (sample location SS08524-A, sample ID J1.FT16.003.2.0) was non-detect for explosives and perchlorate. Waste characterization of the tar-like material (sample location SS03217-A, sample ID J1.T16.001.0) indicated that the material was not considered a hazardous waste and was disposed off-site. The burial pit contained a deteriorated 55-gallon drum partially filled with burnt material and three inert M49 60mm mortars. A sample collected from the burnt material within the drum (sample location SS08523, sample ID J1.F.T16.002.1.0) had detections of RDX (8,300 µg/Kg), 2,4-DNT (580 µg/Kg) and nitrobenzene (11,000 µg/Kg) (Table 4-3). The burn material from the drum was disposed off-site at an approved facility. A sample collected from the bottom of the excavation (sample location SS08523-A, sample ID J1.F.T16.002.2.0) was non-detect for explosives and perchlorate (Figure 4-14). One additional geophysical anomaly was investigated in grid H42, Location 26, and contained fragmentation debris and various scrap. A follow-on geophysical survey was conducted in portions of grids H42, I42, H41 and H41 following the intrusive investigation of Polygon 16. Findings from this survey did not indicate the potential for disposal pits, and residual anomalies were therefore not investigated.

Grids 39K through 44N

This area is primarily defined by the 150 meter berm. Samples collected from the top and uprange face of the 150-m berm identified no detections of explosive compounds. A technology demonstration was conducted by the Air Force Research Laboratory using remote-controlled robotic equipment at the 150-m berm. A remotely operated excavator equipped with a rotating, 2-inch slot screen bucket attachment was used to separate rocks and any munitions from finer soil materials. These materials (“overs”) were placed

into a separate stockpile for further inspection. Munitions items recovered from the 150 meter berm consisted of three 81mm Illumination mortars, 28 M1 105mm projectiles, 50 105mm HEAT projectiles, seven M107 155mm projectiles, one 3-inch Rocket, and two 8-inch projectiles. Each item was moved by remotely operated equipment to a consolidated shot area located in grid J37 for disposition. Items determined to be MEC were two 81mm Illumination mortars, two M107 155mm projectiles, two M374 81mm mortars and two PD fuzes. A confirmatory EM-61 survey was conducted over the face and base of the 150-m berm. The remaining large anomaly in the vicinity of the 150 meter berm in Grid L39 will be further investigated. Soil samples collected from the screened soil stockpile indicated concentrations of 2,4,6-Trinitrotoluene (690 µg/Kg), 2-Amino-4,6-Dinitrotoluene (160 µg/Kg), and 4-Amino-2,6-Dinitrotoluene (230 µg/Kg). Approximately 150 cubic yards of soil was disposed of off-site.

Additional polygons J1-44 and J1-45 in grid K40 were intrusively investigated. Items recovered from J1-44 were assorted munitions debris and other debris. Additional polygon J1-45 consisted primarily of assorted munitions debris and other debris. Two items, a M374 81mm mortar and a M1 105mm projectile, were BIP and determined to be inert. A follow-on geophysical survey was conducted in grid K40 and two areas, J1K40 Area 1 and J1K40 Area 2, were selected for intrusive investigation. Items identified in J1K40 Area 1 were munitions debris and other debris. In J1K40 Area 2, MEC items consisting of seven M557 PD Fuze and six cartridge-actuated devices, were discovered and taken to the CDC for disposition. Additional munitions debris and other debris were also removed from this location.

Aerial Assessment Location 63 was located along the edge of the range marked by an earthen berm. This location partially overlapped grid N39. A geophysical survey was conducted at this location and five anomalies were selected for investigation based on the signal strength (Figure 4-8). Findings for J1LOC63 Area 1 through J1LOC 63 Area 5 included munitions debris and other debris including tank and target debris.

An EM-31 investigation was conducted to determine if propellant disposal was conducted as inferred from witness interviews. Four exploratory trenches (Trenches 1 though 4) were investigated in grids K42 and K43. No propellant disposal areas were identified and the exploratory trenches were backfilled. No munitions debris or other debris were encountered.

Pre-BIP samples collected from SS0277-A, SSK40002 and SSK41001 (grids N39, K40 and K41) had low concentrations of explosives contamination. RDX concentrations ranged from 15 µg/Kg to 70 µg/Kg. TNT was detected at 96 µg/Kg, 2,4-DNT was detected at 19 µg/Kg, and 2-Amino-4,6-Dinitrotoluene was detected at 14 µg/Kg. The soil at these sampling locations was removed under the BIP Program. Text from Section 4.2.3.2, pages 4-19 through 4-29 was deleted.

4.2.3.3 Interberm Area BIP samples

Some potential MEC items discovered during intrusive field investigations were BIP. A total of 280 samples were collected from 75 locations associated with BIP activities in

the IBA. BIP sample locations, sample identification, collection date, sample depths, and laboratory analyses associated with this sub-area of the range are identified in Table 4-2. Contaminated soils generated as a result of BIP activities were excavated in accordance with the BIP management program. Table 4-3 contains analytical detections for those soils excavated under the BIP program. Pre-BIP samples with detections of explosives compounds were discussed in the previous subsection, based on the grid location. Post BIP sample SSJ1I30003 had an HMX detection of 14 µg/Kg. This detection was below the BIP program excavation threshold, and therefore, was not excavated (Figure 4-11). Post BIP sample SSJ1H33001 had RDX, HMX, TNT, Tetryl, 2-Nitrotoluene, 2,4 Dinitrotoluene, 2-Amino-4,6-Dinitroltoluene and 4-Amino-2,6-Dinitroltoluene. This sample is a post- BIP sample that is being removed under the BIP management program.

Post BIP sample SSJ1I30003 had an HMX detection of 14 µg/Kg. This detection was below the BIP program excavation threshold and, therefore, was not excavated (Figure 4-11).

4.2.3.4 Interberm Area Source Characterization Conclusion

A significant amount of intrusive investigation has been conducted to support the development of the conceptual site model, as discussed in Section 4.2.3.2. A quality control geophysical survey along with an intrusive investigation of residual anomalies has been conducted over most of the IBA. It is unlikely that any subsurface burials still remain in the IBA. Remaining geophysical anomalies are small and scattered and are likely to be residual munitions debris and other debris from contractor activities on the range. Individual MEC items, both High Explosive versions and inert with live fuzes could still remain. Intact HE ordnance items identified during site investigations consisted of M107 155mm (2 items), M1 105mm projectiles (2 items), M43 81mm mortars (2 items), and M374 81MM (4 items). Inert rounds with live fuzing were likely to be M374 81mm mortars with the M524 fuze.

MEC items discovered in disposal pits that were classified as small quantity energetic or propellant/energetic were taken to the CDC. The largest quantities of items found were the 14.5mm trainer-spotter and the 105mm cartridge cases with live primers. The 14.5mm trainer-spotter contained a smoke agent composed of zinc chloride. Live primers contain less than 1 gram of energetic material. Other items that contained small quantities of energetic material included: electro-explosive devices, stab detonators, ignition cartridges, and fuzes. These items range from less than one gram to 18 grams of energetic material.

Raw M30 propellant in the form of small pellets was discovered in two locations. A total of approximately 10.89 kg of M30 propellant from these investigations was transported to the CDC for disposal.

It is possible that some individual M43 81mm mortars, M1 105mm projectiles, and inert bodied mortars with live fuzes still remain within the IBA. The technology demonstration

at the 1,000 meter and 150 meter berms has likely eliminated the potential for residual munitions at these areas.

Soils contaminated with explosive compounds were identified in the Popper Kettle, Steel Lined Pit and several burn pits (J1J39 Area 10, J36-BNP-002, J36-BNP-001). These contaminated soils and associated structures have been removed. RDX was also detected during the MIS sampling in Grid L37 at 2,200 µg/Kg. This soil has been removed for on-site treatment. MIS sampling was also conducted in the IBA to delineate 2,4-DNT contamination. In addition, low concentrations of other explosive compounds still exist in the site soils (Figure 4-11). The significance of these detections will be evaluated in the risk screen (Section 6).

Grids 30H through 33M

This area of the range was a presumed impact area for the fuze testing on inert mortars. The munitions discovered are consistent with the conceptual site model of this portion of the range. No explosives or perchlorate were detected in any of the samples collected from this portion of the range. No large geophysical anomalies remain, and of the remaining small, scattered anomalies exhibiting elevated signal response, none are expected to be a source of groundwater contamination because of the nature of the items already uncovered.

Grids 34H through 38J

This area of the range appears to have been used primarily for the disposal of munitions, munitions debris, and range residue debris. Two burial pits and three burn pits were identified in this area. Explosives compounds were detected from two of the burn pits, Polygon 9 and J36-BNP-001. These presumed source areas should be considered the more significant potential contributors to the J-1 northern plume in this area of the range. The residual explosives detections remaining at the J36-BNP-001 location do not warrant removal as the detections are not significantly elevated above the detection limits. Additional intrusive investigations following post excavation geophysical surveys did not result in any significant findings. The remaining uninvestigated anomalies are not expected to be disposal areas based upon the nature of the remaining geophysical response. Individual items may remain.

Grids 34K to 38N

This area of the ranges appears to have been used primarily for the firing of munitions, surface disposal, and subsurface burial of munitions, munitions debris, and range residue debris. Three burial pits and three burn areas were identified in this area. The most significant potential contributor to the J-1 northern plume in this area is presumed to be the popper kettle/wastewater discharge area based upon the concentrations of explosives compounds detected from the popper kettle, and the adjacent burn pit in grid K36. Historical photographs obtained during the archive search show the process of hazard classification tests at the cook-off test location, which likely also served as a

contributor to the known plumes and the benzene detections at MW-187D. The residual explosives detections remaining at locations SSJ1K36001, SS05CK, SS05BN, SSJ1K36CSL01, SSJ1K3701 and SSJ1L3801 do not warrant removal as the detections are not significantly elevated above the detection limits. Additional intrusive investigations following post excavation geophysical surveys did not result in any significant findings. The remaining uninvestigated anomalies are not expected to be disposal areas based upon the findings to date. Individual items may remain.

Grids 39H to 44J

This area of the range appears to have been used primarily for the disposal of munitions. Five burial pits and three burn pits were identified in this area. The most significant potential contributors to the J-1 northern plume in this area were likely the steel-lined pit and adjacent J36-BNP-001 burn pit. The residual explosives detections remaining at locations SSJ1H39BLP001, J1A200128, CP05CP, SSJ1G38001 and SSJ1BNP001 do not warrant removal as the detections are not significantly elevated above the detection limits. Additional intrusive investigations following post excavation geophysical surveys did not result in any significant findings. The remaining uninvestigated anomalies are not expected to be disposal areas based upon the findings to date. Individual items may remain.

Grids 39K to 44N

This area consists primarily of the 150-m berm. Soil samples were collected from four locations in the vicinity of the 150 meter berm (Figure 4-8). No explosives were detected in these samples. Munitions were removed from this mound, and residual explosives detected at SS05CF and SSJ1K40BLP001 do not warrant removal as the detections are not significantly elevated above the detection limits.

Location 7 in grid M38 and Locations 20 and 30 in grid M39 were investigated and found to be other debris. Location 38 in grid N39 and Location 34 in grid N40 were investigated, items found were various pieces of scrap and track vehicle wheel, respectively.

Supplemental geophysical surveys were performed as quality control measures within selected grids to determine the effectiveness of previous munitions investigations and removals. The follow-on geophysical survey was conducted in grids M38, M39, N38 and N39. No anomalies were investigated in grids M38 and M39 based on the results of the survey. Intrusive investigation was conducted on anomalies in grids N38 (J1N38 Areas 1 through 5) and N39 (J1N39 Areas 1 through 4). In general, these areas consisted of scrap metal, target debris and tank parts, consistent with previous findings in these grids.

The remaining uninvestigated anomalies are not expected to be disposal areas based upon the nature of the geophysical response. Individual items may remain.

Soils with significant explosives contamination were found to be associated with the steel lined pit, the Popper Kettle, Cook Off Test location, the steel Lined Pit, wastewater discharge area, and Polygons 9,10 and 16 and disposal areas in Grids J39, J36 and K 36. These areas were previously addressed during soil removal actions and no significant soil contamination remains. An area of RDX contamination was identified in the Interberm Area, northeast of the 1,000 meter berm. 2,4 DNT was also detected in the vicinity of Firing Point 3. As previously discussed, this soil has been removed and treated in conjunction with an on-going soil treatment project.

Geophysical investigations in the IBA identified multiple disposal pits. The majority of the disposal pits contained munitions debris and other debris. Some pits also contained small quantities of energetic materials, a majority of which were inert rounds with live primers. Soil excavated from many of the disposal pits had concentrations of explosives compounds. However, these concentrations of explosives associated with disposal pits were generally low in comparison to those detected at the steel lined pit, Popper Kettle, waste water discharge area and Polygon 16. Based on the quality control geophysical survey conducted in the Interberm Area and the significant intrusive investigations to date, it is unlikely that any subsurface burial pits still remain.

Individual MEC items identified in the IBA included both HE munitions and inert munitions with live fuzes. It is possible that individual 81MM mortars, 105mm projectiles, and inert bodied mortars with live fuzing may still remain within the IBA.

4.2.3.5 Potential Interberm Source Areas

Munitions items, along with excess propellant and other debris, were presumably disposed of in the Steel-lined Pit over a long period of time. There was a drainage hole in the bottom of this structure through which fire suppression and rain water contaminated with explosives and propellant compounds were transferred to the subsurface. Explosive compounds detected in soils from the Steel-lined pit include RDX, HMX, 2,4-DNT, di-n-octyl phthalate, and di-n-butyl phthalate. Perchlorate was not analyzed for in these samples. This soil now removed likely contributed to the development of the northern plume. The steel-lined pit was located near the trailing edge of the plume .

Cook-off tests were conducted in the J-1 IBA . During these tests, items were placed in a large steel pan with fuel and waste oil and ignited to determine the detonation temperature of the items. Explosive compounds found in the soils at the Cook-off Test Location include 2,4-DNT, and di-n-butyl phthalate. Perchlorate was analyzed for and not detected.

The Popper Kettle was located near the 1,000 meter berm and was used for burning of items for testing and/or disposal. Sampling of the ash from the Popper Kettle showed detections of HMX, RDX, 2,4-DNT, 1,3,5-TNB, TNT, 2,6-DNT, 2A-DNT, picric acid and di-n-butyl phthalate. Explosive compounds in the soils around the Popper Kettle included HMX, RDX, 2,4-DNT, ethyl centralite, and di-n-butyl phthalate. Perchlorate was analyzed for and not detected. This contamination would have likely been available for

leaching. Ash remaining in the kettle could also have been a source for groundwater contamination if the kettle leaked during rainfall events. The ash in the Popper Kettle and the surrounding soil was removed and disposed. The Popper Kettle was located near the trailing edge of the RDX and perchlorate plumes and could have been a contributing source of the plume.

The Burial Trench was found on the west side of Tank Alley opposite the 150 meter berm. Approximately 30 5-gallon metal containers were uncovered that were filled with paint-related compounds. Contamination from these cans could have leaked. However, no explosives were found in the soils of the trench and the containers and trench soils were removed eliminating this area as a potential future source of contamination to groundwater. Perchlorate was not analyzed for in these samples.

A series of polygons (Polygons 7 through 16) were investigated within the IBA based on the results of the geophysical surveys of the area. Polygon 9 consisted of a burn pit containing MEC, munitions debris, and other debris and a 3-inch thick ash layer. HMX was detected in the ash layer. Polygon 10 included a burn pit containing MEC, munitions debris, and other debris plus a three-inch thick ash layer. No explosive compounds were detected in soils at this location. Polygon 16 contained a shallow burn pit and burial pit (Figure 3-9). The burial pit contained a 55-gallon drum partially filled with burned material. The material in the drum contained RDX, nitrobenzene and 2,4-DNT. Residual soils collected following drum removal contained no explosive compounds. Perchlorate was analyzed for and not detected.

A burn pit was discovered in J1J39 Area 10. Munitions debris, other debris and MEC items were identified in this pit. The excavated soil had detections of RDX and TNT. A disposal pit was also discovered in grid J-36 (J36-BNP-001). This disposal pit contained propellant and munitions debris. The pit soil contained HMX, RDX, TNT, 4-Amino-2,6-Dinitrotoluene, 2,4-DNT and 2-Amino-4,6-Dinitrotoluene. A burn kettle was discovered in burial pit K36-BLP-001. The burn kettle contained MEC items (electro-explosive devices and stab detonators). These items were mixed in with the soil, and therefore soil samples could not be collected.

Approximately 1,200 gallons of wastewater generated at the J-3 Range Melt/Pour building during the processing of octol were released near the 1,000 meter berm. Soil samples collected from the berm area contained RDX, HMX, 2,4-DNT, ethyl centralite, and di-n-butyl phthalate. Perchlorate was not analyzed for in these samples. The constituents of the wastewater would have likely been in a dissolved phase, and therefore, components such as RDX and HMX would migrate relatively quickly from the wastewater into the vadose zone.

The potential source of groundwater contamination in the IBA are primarily related to the disposal and/or burning of items that would have introduced dissolved explosives and/or perchlorate directly to the subsurface (waste water discharge) or left contamination in area soils. The extent of the plume is consistent with source areas in the Interberm Area.

4.2.4 Northern Flyover Area (Rows 45 to 64)

The northern flyover area is situated in the northwestern portion of the J-1 Range and lies mostly within the impact area (Figure 4-1). This portion of the range is primarily a flyover area, with no other documented uses, based on the Archives Search Report. There are no visual site features on this portion of the range, and no significant features were identified as a result of intrusive investigation of geophysical anomalies.

The dataset for Rows 45 to 65 soil represents site investigations conducted from December 1997 through July 2007. A total of 208 soil samples were collected from 36 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. Most of the samples collected in this portion of the range were related to BIP activities. Additional details about soil samples collected within this sub-area are discussed below and presented in Table 4-2. Table 4-3 summarizes analytical detections in soil that has already been excavated during various removal actions conducted in accordance with the BIP program. 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 (through 2007) is included in Appendix G. Soil sample locations as well as location and description of recovered MEC items are depicted on Figure 4-12. Figure 4-13 represents the existing site conditions, and includes analytical results for samples with explosive or perchlorate detections. Munitions items were categorized based on their explosive characteristics, as defined in previous sections. Categories of findings from intrusive investigations in the range are listed in Table 4-1 and specific finds are located in Table 1 of Appendix H.

4.2.4.1 Northern Flyover Area Findings

In addition to the intrusive investigation of geophysical anomalies, other intrusive activities included monitoring well pad clearance and access road clearance. Findings from these activities helped characterize this portion of the range.

Geophysical investigations conducted at Polygon 17, Location 23 and Location 11 consisted of munitions debris and other debris (Figure 4-12). Based on these findings, no soil samples were collected from these three investigation areas.

Location 55, an aerial assessment location, had 10 anomalies that were investigated. Three of these anomalies contained MEC items; two inert 105mm HEAT projectiles with a live M509 fuze and one inert M374 81mm mortar with a live M524 fuze. These are characterized as small quantity energetic items (fuzes only) on Figures 4-14.

Monitoring well MW-306 was installed in grid L52. During construction of this well pad, six M49 60mm mortars were discovered. These items were BIP and all were determined to be HE. Another M49 60mm mortar was found in grid J55 and transported to the CDC; demolition results determined this item to be HE. Two additional M49 60mm mortars were discovered in grid K57 and determined to be HE; one fuzed item

was BIP and the other (unfuzed) was taken to the CDC. One unfuzed M49 60mm mortar was also found in grid K60, taken to the CDC and determined to contain HE.

During range and road maintenance activities in this part of the J-1 Range, two M374 81mm mortars were discovered in grid J48. One fuzed item was BIP and the other (unfuzed) was taken to the CDC. Both items were determined to be HE. Inert M374 81mm mortars with a live M524 fuzes were also found in grids K57 and K59 (one in each grid) and BIP. One 81mm flare was discovered in grid K60 and was taken to the CDC for disposal. One 30mm HEI projectile was found in grid J57, BIP, and was determined to be energetic. Another 30mm HEI projectile [MOX-2B filler found in grid K61 was determined to be energetic and was BIP. Also, during the construction of well pad MW-306, one M1 105mm projectile was taken to the CDC and determined to be HE.

With the exception of soil samples collected during the installation of monitoring wells, all soil samples collected in this portion of the range were associated with BIP sampling. Soil samples collected during the installation of MW-06 and MW-126 did not have any detections of explosives or perchlorate.

Pre-BIP soil samples identified only one area with elevated concentrations of explosives compounds. HMX was detected at 7,400 µg/Kg at BIP location J120034 (sample ID J1.A.2.00034.1.0). This soil was excavated under the BIP Program. Other low concentration pre-BIP explosives detections included HMX at 110 µg/Kg at sample location SS15227-A [sample ID ECC041404J101 (pre)], RDX at 14 µg/Kg and TNT at 54 µg/Kg at sample location SSRDST0613 (sample ID TT062906-01RDS-C-PRE). These locations were all excavated under the BIP program.

RDX was detected at 42 µg/Kg and 2-nitrotoluene at 13 µg/Kg in the pre-BIP sample collected from sample location SS15112-A [sample ID ECC102303J1P2204 (pre)] (Figure 4-13). The post-BIP sample had no explosive detections. Therefore, this location was not excavated under the BIP program and these very low RDX concentrations remain in-situ. Likewise, a post-BIP sample collected from location SSJ1P26007 had an RDX concentration of 17 µg/Kg (sample ID ECC031405J102 (post)]. This level is below the excavation threshold established under the BIP program, and therefore, was not excavated.

4.2.4.2 Northern Flyover Area Conclusions

Energetic items identified in this area during intrusive investigations consist of individual impacted rounds, inert bodies with live fuze, and HE rounds. Geophysical anomaly density in Rows 45 to 64 can be seen to as low, progressively increasing towards the middle of the impact area. A majority of small residual anomalies are likely associated with fragmentation from ordnance that functioned as designed. Medium-sized anomalies may represent intact ordnance items (either inert or HE). All large anomalies in this portion of the range were investigated and found to be munitions debris and other debris. Energetic items and constituents identified consist of the M524 fuze, M509 fuze, M49 60mm mortar, M374 81mm mortar, and the 30mm HEI MOX-2B.

Based on the concentration of M49 60mm mortars in the area of grid L51 and L52, it is likely that additional M49 60mm mortars would be present in grids L50 through L54 as well as in areas outside the gridded portion of the J-1 Range, as the entire portion of the range beyond Row 49 lies within an impact area for these munitions.

One pre-BIP sample collected in the grid K61 area had a significant detection of explosives (HMX at 7,400 µg/Kg). This soil was excavated under the BIP program. There were other low-level detections of explosives; however, all were associated with BIPs. The significance of the detections that were not excavated will be further evaluated in the risk screen (Section 6.0).

4.2.5 2,000 Meter Berm Area (Rows 65 to 72)

The 2,000 meter berm area is situated in the northwest portion of the J-1 Range (Figure 4-1). This portion of the range is primarily a target area and lies entirely within the Impact Area. The targets in this area were likely used both for training and for munitions testing. Section 2.2 discusses in greater detail the historical range uses and potential disposal activities in this portion of the range. No disposal areas were found during intrusive investigations of geophysical anomalies.

The following specific site features are or were formerly located within this portion of the range:

- 2,000 meter (a and b) berms
- Topographical depression
- Tank Targets

The J-1 Range Rows 65 to 72 soil dataset represents site investigations conducted from December 1997 through September 2009. A total of 433 soil samples were collected from 81 locations within this portion of the range (Figure 4-14). In most cases, samples were collected from multiple depths at the same location resulting in a larger number of samples than sample locations. Additional details about soil samples collected around each feature within this portion of the range are discussed below and presented in Table 4-2. This table contains details on sample depths and analytes. Table 4-3 summarizes analytical detections in soil samples from soil that was excavated under the BIP program. Table 4-4 summarizes analytical detections for soil samples that represent current conditions (Figure 4-15). Figure 4-15 also presents the most recent geophysical data for this study area. The complete database for all soil samples collected through 2007 is included in Appendix G. The location and description of all MEC items identified during field investigation are depicted on Figure 4-14. Munitions items were categorized based on their explosive characteristics, as defined in previous sections.

4.2.5.1 2,000 Meter Berm Area Findings

Soil samples were collected from four areas of interest within the J-1 Range 2,000 meter Berm Area: the 2,000 meter(a) Berm, the 2,000 meter(b) Berm, a topographical depression southwest of the two berms, and six tank targets.

Location 1 in grid K66 consisted of tank parts associated with adjacent tank target 22. Location 8 in grid I66 contained munitions debris and other debris. Location 4 in grid K66 contained miscellaneous tank parts, munitions debris, and MEC. The MEC items consisted of one, inert M1 105mm projectile with live fuzing and one inert M456 105mm HEAT projectile with live fuzing. Location 10 in grid I67 contained munitions debris and other debris. Location 2 in grid K67 contained munitions debris, other debris, and MEC. The MEC item consisted of one M456 105mm HEAT projectile. The item was BIP and determined to be an inert body with live fuze. Locations 18 and 33, also located in grid K67, consisted of munitions debris and other debris. Location 39 in grid L69 contained only munitions debris. Location 17 in grid J68 contained munitions debris. Location 32 in grid I68 contained munitions debris and MEC. The MEC item consisted of one M456 105mm HEAT projectile. The item was BIP and determined to be inert with a possible live fuze. Locations 21 in grid I69, 22 in grid J70, 24 in grid J71, and 37 in grid K72 contained munitions debris.

In addition to the investigation of geophysical anomalies, other intrusive activities including monitoring well pad clearance and access road maintenance/clearance were conducted in the 2,000 meter berm area. MEC items were identified during this clearance work. Two, M329 4.2 inch mortars were discovered. One mortar was found in grid J69 and the other mortar was identified in grid L71. Both items were determined to be HE. Two, M1 105mm projectiles were also discovered. One of these projectiles was discovered in grid L72, and the other was found in grid N70. Both items were determined to be HE. Lastly, two M49 60mm mortars were discovered. One mortar was found in grid K71 and the other mortar was in grid K72. Both mortars had inert bodies and live fuzes.

Technology Demonstration

In 2008, a technology demonstration of remote-controlled robotic technology was conducted at several ranges using crews and equipment from the Air Force Research Laboratory. The technology demonstration at the J-1 Range involved the removal of soil and munitions from the uprange faces of the 1,000 meter, 150 meter and 2,000 meter berms (a and b). A remotely operated excavator equipped with a rotating, two inch slot-screen bucket attachment was used to separate rocks and any munitions from finer soil materials. These materials ("overs") were placed into stockpiles for further inspection. An EM-61 geophysical survey was conducted on the berm face to evaluate the completeness of the removal. A small number of discrete items that remained in each berm were intrusively investigated by UXO Technicians.

The "overs" were spread out for UXO Technicians to inspect and catalogue as MEC, munitions debris, or other debris (Table 4-1). All suspect MEC items were moved by robotic equipment to a consolidated shot area located in grid J37 for disposal. The MEC items recovered during the technology demonstration, along with soil sample results, are discussed below.

2,000 meter(a) Berm – MEC items recovered from the technology demonstration and subsequent inspection of "overs" from the 2,000 meter(a) berm consisted of nine inert

M456 105mm projectiles with live fuzes, and two suspect M107 155mm projectiles. A total of 14 samples were collected from five locations associated with the 2,000 meter(a) Berm, as depicted on Figure 4-14 and summarized in Table 4-2. One sample location (CP04D) was located at the top of the berm. Two sample locations (CP04C and CP04E) were at the base of the berm on the northwest and southeast sides, respectively. Samples were also collected from the southwestern slope (SS04H) and from the base of the southwestern slope (SS04M). A pre-BIP sample was also collected from BIP location J1A200106. There were no explosives or perchlorate detected in any of these samples.

2,000 meter(b) Berm – MEC items recovered from the technology demonstration during the 2,000 meter(b) berm consisted of seventeen inert M456 105mm projectiles with live fuzes, one suspect M374 81mm mortar and one suspect 81mm Illumination mortar. A total of 33 samples were collected from six locations associated with the 2,000 meter(b) Berm, as summarized in Table 4-2 and depicted on Figure 4-14. One sample (CP04A) was located at the top of the berm and one sample location (CP04B) was located at the base of the berm on the southeast side (see Figure 4-14). Samples were collected from locations on the south and southwestern slopes (SS04J and SS04L respectively) and from locations at the base of the south and southwestern slopes (04I and 04K, respectively). Soil samples were also collected during the advancement of a soil boring (MW-27) to the northwest of the Berm. There were no explosives or perchlorate detected in any of these samples.

Depression – Two soil samples were collected from one location (CP04F) located within a topographic depression south of the 2,000 meter berm (b), which appears to periodically accumulate surface water runoff (Figure 4-14). There were no explosives or perchlorate detected in these samples.

Tank Targets

A total of 179 samples were collected from 16 locations associated with six tank targets (Targets 20, 22, 32, 33, 34 and 35) (Figure 4-14) in the vicinity of the 2,000 meter (a and b) berms. Both composite and discrete samples were collected from these investigation areas (Table 4-2). Explosive compounds were detected at all the tank target locations except for Target 20 (SS112A, SS112B) (Figure 4-14 and Tables 4-3 and 4-4). RDX was detected at concentrations ranging from 160 µg/Kg to 3,500 µg/Kg. HMX was detected at concentrations ranging from 130 µg/Kg to 2,000 µg/Kg. The highest concentrations of both RDX and HMX were detected at Tank Target 34 (SS118A) in grid H69. Perchlorate was also detected at a concentration of 60 µg/Kg at sample location SS118A. Other detected explosive compounds include 2,6-DNT, 3-Nitrotoluene, and 2A-DNT, and 4A-DNT (Figure 4-15 and Table 4-4). The contaminated soils surrounding Tank Target 34 (SS118) have been removed for treatment as part of a soil treatment project (ECC 2009, IAGWSP 2009). The excavation boundary is presented on Figure 4-16. The remaining explosive detections (Figure 4-15) will be evaluated during the risk screening process (Section 6).

4.2.5.2 2,000 Meter Berm Area BIP Samples

A total of 136 samples were collected from 60 locations associated with BIP activities in the 2,000 meter berm area. Sample locations, sample identification, collection date, sample depths, and laboratory analyses associated with BIPs on this sub-area of the range are summarized in Table 4-2. Contaminated soils generated from BIP activities were excavated according to protocols established under the BIP management program. Table 4-3 contains analytical detections for soils excavated under the BIP program.

Pre-BIP samples collected at two locations had low concentrations of explosives contamination prior to BIP activities (sample locations SSRDST0064 and SSJ1IAP001). RDX was detected at 30 µg/Kg and 43 µg/Kg. The post-BIP samples for both locations were non-detect for explosives compounds. Therefore, the soils associated with these pre-BIP detections were not excavated. (Figure 4-15). In addition, the post-BIP sample at location J1200182R had a detection of 2,4-DNT of 255 µg/Kg. No other explosives were detected at this location and, therefore, the soil at this sample location was not excavated (Figure 4-15).

4.2.5.3 2,000 Meter Berm Area Summary

The majority of items recovered from this portion of the range during intrusive investigations consist of munitions debris and other debris. Two M329 HE 4.2 inch mortars and two M1 HE 105mm projectiles were discovered. Three inert M456 105mm HEAT projectiles with suspect M509 fuzes, one inert M1 105mm projectile with suspect M51 fuze and two inert M49 60mm mortars with live M525 fuzing were discovered.

Soil sample results identified explosive contaminants primarily associated with tank targets. There were no explosives associated with either of the 2,000 meter berms. Tank target 34 (SS118A) with the highest levels of explosive contamination (SS118) has been removed for treatment. Additional soil sampling will be performed at Tank Targets 22 and 35 in accordance with the "*Final J-1 Range Targets 22 and 35 Soil Sample Collection and Grid K4 Anomaly Investigation*" Project Note dated July 7, 2010 (ECC 2010).

The downrange portion of J-1 Range located within Rows 65 to 72 lie completely within the impact area and was impacted from base-wide training activities as well as activities associated solely with the J-1 Range. Geophysical data indicates that this area is heavily saturated with metallic items. Individual MEC items, both HE and inert with live fuzes could still remain in this portion of the range. It is likely that the HE round types would include: the M374 81mm mortar, the M329 4.2-inch mortar, the M1 105mm projectile, and the M107 155mm projectile.

4.3 Source Removal

Geophysical investigations, including anomaly and associated soils removals were conducted from 1997 through 2009. These activities resulted in the investigation of over 150 geophysical anomalies. These investigations resulted in the excavation and off-site

disposal of approximately 1,000 cy of soil (Table 4-1) from 19 investigation locations. In addition to the soil removals, these investigations also removed MEC from 39 locations (Table 4-1).

As previously discussed in Section 4.2, MIS sampling results identified soils with elevated concentrations of explosives compounds in three areas of the range (J-1 south grids I1-3 and J2-3, J-1 IBA grids L38, J37/38 and K39/40, and J-1 north target 34). Soil from decision units (Figures 4-5, 4-12 and 4-18) with explosives detections were excavated to depths ranging from of 0.5- to 1.5-feet below ground surface and mechanically screened to remove any remaining munitions. Excavation activities were conducted between September 2009 and April 2010.

Approximately 2,754 cubic yards of contaminated soil was excavated (Table 4-1). Post-excavation, 100-pt multi-increment soil samples were collected in each of the excavation areas units from 0 to 3 inches below the excavation floor. All samples were processed in accordance with ERDC/CRREL TR-07-10 and analyzed for explosives by method SW 846/8330B. Results from post-excavation sampling indicated no detections of explosives or perchlorate

The soils are being treated at the L Range using alkaline hydrolysis which involves raising the pH of the soil by blending it with treatment cell water and hydrolyzed lime to mineralize the explosive compounds to more elemental compounds of inorganic nitrogen and carbon dioxide. After blending, the soils are staged in a lined treatment cell at the L Range then sampled to determine the effectiveness of treatment. The total costs for the UXO clearance, soil excavation, screening, sampling and treatment (anticipated treatment costs) are estimated to be approximately $830,000.

A completion of work report detailing all excavation, confirmatory sampling and soil treatment activities will be prepared after soil treatment is complete.

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5.0 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.

5.1 Source

The J-1 Range has primarily been used as a defense contractor testing range where functional and ballistic testing of various mortar and artillery munitions was conducted. Munitions assembly and disposal activities are also known to have occurred at various locations on the range. Residues from the firing activities have been found to be concentrated around firing positions and target areas. Residues from munitions assembly and disposal practices have been found at various locations on the range. In addition, several old battle tanks that served as targets for artillery training are also located on a portion of the J-1 range that lies within an impact area. Groundwater contaminated with perchlorate and/or RDX has been found in areas downgradient from the J-1 Range North and South areas that appears to be associated primarily with the targets and disposal areas on the range.

5.1.1 Northern Area

The conceptual site model (Figure 5-1), based on known activities and presence of soil contaminants, recognizes two major source components in J-1 Range northern area. (1) The first is the disposal and/or burning of munitions that would have led to soil contamination. Results of investigations in the Popper Kettle area, the Steel-lined Pit, the Wastewater Disposal Area, and Polygon 16 show soil contamination that are consistent with explosives and perchlorate found in downgradient groundwater. These areas are located in the Interberm Area and the extent of the plume is consistent with source areas in these locations. (2) The second would be soil contamination from the dispersal of explosive particles near artillery targets in the impact area, several of which are located in areas that overlap the J-1 Range. These artillery or tank targets show elevated levels of RDX that are consistent with the development of a nearby RDX plume. It is, therefore, likely that particles dispersed as a result of low-order detonation have accumulated in soils around these tank targets in sufficient quantities to result in groundwater contamination.

5.1.2 Southern Area

The conceptual site model (Figure 5-2), based on known activities and presence of soil contaminants, recognizes one major source component in J-1 Range southern area. That is the disposal and/or burning of munitions that would have led to soil contamination. Surface soil sample results in the vicinity of Polygons 2, 3, and 4 show contaminants detected in soil that are consistent with explosives and perchlorate found in downgradient groundwater. These polygons are located in the J-1 Range southern area between the firing points and the 100 meter target. The extent of the plume is consistent with a source area in this location.

5.2 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-1 Range. However, all detected analytes were evaluated for their potential to leach to groundwater in the risk screen (Section 6.0).

For the northern area, 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 southeast of the J-1 Range northern area. 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 northwesterly in the area of the J-1 Range northern plume.

For J-1 Range southern area, releases of explosive contaminants to the environment have occurred, ultimately causing infiltration of these contaminants to groundwater. All indications are that 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 just north of the J-1 Range southern area. 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 southeasterly just downgradient of the source and in the downgradient portion of the plume flow trajectories are more southerly.

5.3 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-1 Range. No one is using the groundwater in these areas and the areas downgradient are closely managed. The J-1 northern plume remains in the Impact/Firing Area so access is severely limited. There is, however, a public water supply well (WS3) located approximately two and a half miles north / northeast of the J-1 Range. Residences in the vicinity of the J-1 southern plume are connected to the municipal water system and all future residents are required to use the municipal system as well. There is one irrigation well located on Little Acorn Lane.

Although residential use is not likely future land use within MMR, 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. Therefore, hypothetical residents (on- and off-site) were identified as future receptors and the use of groundwater from the J-1 Range as a source of potable water was considered a potential exposure pathway.

Ongoing soil removal actions at the J-1 Range have removed all of the explosives-contaminated soil in the southern, mid-range and target areas and thereby eliminated any further leaching as well as the potential for contact with contaminated soils.

Contaminated groundwater from the northern J-1 plume flows in a north-northwest direction. Groundwater modeling indicates that the plume will dissipate to below risk based concentrations through advection/dispersion processes before that water reaches Gibbs Road. Contaminated groundwater from southern J-1 plume flows in a south-southwesterly direction and crosses the base boundary downgradient of Greenway Road into a residential neighborhood. The soil removal actions conducted in the southern IBA and target areas will reduce contaminant mass in the source areas.

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6.0 RISK SCREENING

6.1 Introduction

Risk screening evaluations were conducted for the J-1 Range. The objectives of the risk screening were to identify any contaminant of concern (COC) detected in the J-1 Range groundwater and soil that requires further evaluation. The groundwater was evaluated for J-1 Range northern and southern plumes separately. The risk screening for soil included an evaluation of the potential for analytes detected in the soils to leach from the soil and migrate through the subsurface to the groundwater.

6.2 Groundwater Screening

Table 6-1 provides the summary for analytes detected in the northern J-1 Range groundwater. Table 6-2 presents similar information for southern J-1 Range groundwater. As shown on Tables 6-1 and 6-2, the maximum detected concentration of each analyte was compared against various screening levels. The screening values included Federal Maximum Contaminant Levels (MCLs), Health Advisory Levels (HAs), EPA Regional Screening Levels for Tap water (RSL), and the Massachusetts Contingency Plan (MCP) Method 1 GW-1 cleanup standards.

In addition to the comparisons to the various screening levels, other factors such as an analyte's detection frequency, the temporal trends of the concentrations, the magnitude of screening criteria exceedences, comparisons with site-specific background levels, and ubiquity in the groundwater were considered when determining if further evaluation is required.

A discussion of the significant findings of the groundwater screening process is provided in the following sections.

6.2.1 Northern Plume

6.2.1.1 Explosive Compounds and Perchlorate

As presented on Table 6-1, a number of explosive compounds and perchlorate were detected in the groundwater. The maximum detected concentrations for a few of the explosive compounds (2,6-DNT, nitrobenzene, 2-NT, RDX, and TNT) and perchlorate exceeded at least one of their respective screening levels, as summarized below:

- 2,6-DNT exceeded its tap water RSL and was detected in 22 of 1545 samples (frequency of detection [FOD] rate equals 1.4%).
- Nitrobenzene exceeded its tap water RSL and was detected in 2 of 1545 samples (FOD rate <1%).
- 2-NT exceeded its tap water RSL and was detected in 3 of 1541 samples (FOD rate <1%).

- Perchlorate exceeded its tap water RSL, and MCP GW-1 Standard. It was detected in 152 of 947 samples (FOD rate equals 16%).
- RDX exceeded its HA, tap water RSL, and MCP GW-1 Standard. It was detected in 384 of 1539 samples (FOD rate equals 25%).
- TNT exceeded its HA and tap water RSL and was detected in 5 of 1541 samples (FOD rate <1%).

The maximum concentrations for the remaining explosive compounds (4-amino-2,6-DNT, 2-amino-4,6-DNT, 2,4-diamino-6-NT, HMX, 3-NT, tetryl, and 1,3,5-trinitrobenzene) that were detected in J-1 Range northern groundwater were less than the screening criteria and had low FOD rates. Screening levels were not available for picric acid but this explosive compound had a low FOD rate (<0.1%).

Based on these findings, it was determined that perchlorate and RDX will be retained as COCs for the Feasibility Study. Any future actions taken for perchlorate and RDX would also address the other co-located explosives compounds.

6.2.1.2 Inorganics

A number of inorganic constituents were detected in the J-1 Range northern groundwater. The maximum concentrations of antimony, arsenic, manganese, nitrogen (nitrate-nitrite), and thallium exceeded at least one of their respective screening levels.

- Antimony exceeded its MCL, HA, and MCP GW-1 Standard. It was detected in three of 140 samples (FOD rate equals 2%).
- Arsenic exceeded its HA and tap water RSL. It was detected in 4 of 135 samples (FOD rate equals 3%).
- Manganese exceeded its HA. It was detected in 122 of 135 samples (FOD rate equals 90%).
- Nitrogen exceeded its MCL (FOD rate equals 70%).
- Thallium exceeded its MCL, HA, tap water RSL, and MCP GW-1 Standard. It was detected in four of 141 samples (FOD rate equals 3%).

The table below presents a comparison of site-specific background levels to site concentrations for the inorganics that exceeded a screening value.

Analyte	Background Mean (µg/L)	Background Maximum (µg/L)	Site Maximum (µg/L)
Antimony	0.13	48.6	6.6
Arsenic	0.58	34.5	5.3
Manganese	210	11500	344

Analyte	Background Mean (µg/L)	Background Maximum (µg/L)	Site Maximum (µg/L)
Nitrogen	Not available	Not available	5200
Thallium	0.23	13.3	7.3

As presented in the table above, four of the five site concentrations were less than the maximum background levels. The exception to this was nitrogen, which was not sampled for in the background sampling program. However, only 10% of the samples exceeded the MCL. The maximum concentration of manganese is below the RSL of 880 µg/L. Therefore, inorganic compounds/metals will not be evaluated in the Feasibility Study.

6.2.1.3 SVOCs, Pesticides and Herbicides

Several SVOCs, pesticides, and herbicides, were detected in the groundwater. The SVOCs were detected sporadically throughout the site. The list below presents the SVOCs that exceeded the screening criteria:

- Aldrin exceeded its tap water RSL and was detected in one of 123 samples (FOD rate equals <1%).
- Benzo(a)anthracene exceeded its MCL and tap water RSL and was detected in one of 316 samples (FOD rate <1%).
- Bis(2-ethylhexyl)phthalate (BEHP) exceeded its MCL, tap water RSL, and MCP GW-1 Standard. It was detected in 60 of 316 samples (FOD rate equals 19%). The presence of BEHP in the groundwater samples appears to be an artifact of the investigation methods, introduced to the samples from plastic equipment used during collection and analysis. This conclusion is supported by the results of historic sampling on MMR that show much lower levels of the chemical after additional precautions were taken to prevent cross-contamination during sample collection and analysis.
- Dieldrin exceeded its tap water RSL and was detected in three of 123 samples (FOD rate equals 2.4%).

None of the other SVOCs exceeded a screening value. Based on the low levels, the low FOD rates, and the historic investigation methods issue, none of the SVOCs will be carried forward into the Feasibility Study.

6.2.1.4 VOCs

A number of VOCs were detected in the groundwater. The VOCs were detected sporadically throughout the site. The list below presents the VOCs that exceeded the screening criteria:

- Bromodichloromethane exceeded its tap water RSL and was detected in one of 869 samples (FOD rate <1%).
- Chloroform exceeded its tap water RSL. It was detected in 447 of 869 samples (FOD rate equals 51%). Chloroform is ubiquitous in the groundwater at MMR and it is, therefore, not considered a site COC.
- Chloromethane exceeded its HA and was detected in 61 of 869 samples (FOD rate equals 7%).
- Dibromochloromethane exceeded its tap water RSL and was detected in seven of 869 samples (FOD rate <1%).

In general, the detection frequency was low for these VOCs. Based on these findings, none of the VOCs will be evaluated in the Feasibility Study.

6.2.1.5 Fuel Related Compounds

One well, MW-187D, had detections of fuel related compounds that included aliphatic and aromatic hydrocarbons, benzene, dichloroethane, chloroethane, 2-methyl-naphthalene, naphthalene, and potentially others. The maximum detected concentrations of the C5-C8 aliphatic hydrocarbons, the C9-C10 aromatic hydrocarbons, benzene, dichloroethane, 2-methylnaphthalene, and naphthalene were greater than their respective screening criteria.

The concentrations of the fuel related compounds have been decreasing over time and were only detected in the deepest sampling interval (306- to 311-feet bgs). To date, the fuel-related contaminants found in MW-187D have not been detected in any downgradient wells at levels greater than the screening standards. It appears that these compounds are limited to a small localized area and are likely related to a depleted source area in the vicinity of the IBA.

6.2.1.6 Radionuclides

The maximum concentrations of gross alpha and gross beta were compared to the screening criteria. The concentrations were less than the available screening levels. Therefore, the radionuclides will not be evaluated in the Feasibility Study.

6.2.2 Southern Plume

6.2.2.1 Explosive Compounds and Perchlorate

As presented on Table 6-2, a number of explosive compounds and perchlorate were detected in the groundwater. The maximum detected concentration of RDX exceeded its HA, tap water RSL, and MCP GW-1 Standard. RDX was detected in 38 of 343 samples (FOD rate equals 11%). The maximum concentrations for the remaining detected explosive compounds (2,6-DNT, HMX, 4-NT, and TNT) and perchlorate were less than the screening criteria and had low FOD rates. Based on these findings, it was determined that only RDX will be retained as a COC for the Feasibility Study.

6.2.2.2 Inorganics

A number of inorganic constituents were detected in the J-1 Range southern groundwater. The maximum concentration of arsenic exceeded its HA and tap water RSL. The maximum concentrations for the remaining metals that were detected in J-1 Range South groundwater were less than the available screening criteria.

It is likely that the arsenic levels in the groundwater are naturally occurring. The table below presents a comparison of site-specific background levels to the site concentration for arsenic.

Background Mean (µg/L)	Background Maximum (µg/L)	Site Maximum (µg/L)
0.58	34.5	5

As presented in the table above, the site arsenic concentration is less than the site-specific maximum background level. Based on these findings, none of the inorganics will be evaluated in the Feasibility Study.

6.2.2.3 SVOCs and Pesticides

Some SVOCs, and pesticides were detected in the groundwater. None of the SVOCs or pesticides exceeded a screening value. Based on these results, none of these compounds will be carried forward into the Feasibility Study.

6.2.2.4 VOCs

A number of VOCs were detected in the groundwater. Chloroform exceeded its tap water RSL. It was detected in 33 of 61 samples (FOD rate equals 54%). Chloroform is ubiquitous in the groundwater at MMR and it is not considered a site COC. None of the other VOCs exceeded a screening value. Based on these findings, none of the VOCs will be evaluated in the Feasibility Study.

6.2.2.5 Radionuclides

The maximum concentration of gross beta was compared to the screening criteria. The concentration was less than the available screening levels, therefore, the radionuclides will not be evaluated in the Feasibility Study.

6.2.3 Groundwater Evaluation Summary

Based on the screening analysis performed for the J-1 Range northern groundwater, perchlorate and RDX were identified as COCs in groundwater and will be further evaluated in the Feasibility Study. RDX was identified as a COC in the J-1 Range southern groundwater and will also be evaluated in the Feasibility Study.

6.3 Soil Screening

For purposes of the soil screening evaluation, the J-1 Range was divided into the following nine discrete sub-areas based on the range use:

- Firing Point Area (Grid Rows 0 to 2, Columns H, I, J, and K)
- Firing Point Area (Grid Rows 0 to 2, Columns L and M)
- Firing Point Area (Grid Rows 3 to 6)
- Southern Flyover Area (Grid Rows 7 to 29)
- Interberm Area – (Grid Rows 30 to 33)
- Interberm Area – (Grid Rows 34 to 42)
- Interberm Area – (Grid Rows 43 and 44)
- Northern Flyover Area (Grid Rows 45 to 64)
- 2,000 Meter Berm (Grid Rows 65 to 72)

Tables 6-3 through 6-11 present comparisons of the maximum detected concentrations in surface soil (0- to 2-feet bgs) to a series of screening values for the J-1 Range soil sub-areas. The screening values include the MCP Method 1 S-1/GW-1 Standards, the MassDEP leaching based soil concentrations, the MMR SSLs, and the EPA Region 3 risk-based SSLs. It is noted that the MCP S-1/GW-1 Method 1 standards were used as a screening criteria only for those compounds for which a value has been published in 310 CFR 40.0975(6)(a). Other considerations evaluated in the screening evaluation included whether an analyte was a human nutrient, the discrete subarea average in comparison to standards, the detection frequency of that analyte, and background levels.

6.3.1 Firing Point Area (Grid Rows 0 to 2, Columns H, I, J, and K)

Table 6-3 presents the comparisons of the maximum detection concentrations to a series of screening values.

6.3.1.1 Explosive Compounds and Perchlorate

HMX and RDX were the only explosives related compounds detected (see Table 6-3). The maximum detected concentrations for HMX and RDX exceeded at least one the screening values. HMX was detected in one of 51 samples and RDX was detected two of 51 samples. HMX marginally exceeded its MassDEP leaching concentration and the MMR SSL. RDX exceeded its MCP S-1/GW-1 Standard, the MassDEP leaching

concentration, the MMR SSL, and the EPA risk-based SSL. These elevated detections were removed for treatment.

6.3.1.2 Inorganics

As presented on Table 6-3, a number of inorganics were detected. The maximum detected concentrations of a number of inorganics exceeded at least one of their respective screening levels. However, the average concentrations within each sub-area were similar to or were less than background levels. Based on these findings, none of the inorganics will be evaluated in the Feasibility Study.

6.3.1.3 SVOCs, Pesticides, Herbicides and PCBs

Several SVOCs, pesticides, herbicides, and PCBs, were detected in the soil. The SVOCs were detected sporadically throughout the site.

- PAHs – The maximum detected concentrations of three PAHs exceeded at least one of their respective screening values. The maximum detected concentrations of the PAHs were less than or similar to background levels for the State of Massachusetts and none exceeded the S-1/GW-1 standards.
- Pesticides and Herbicides – The maximum detected MCPA concentration exceeded its MMR SSL and EPA risk-based SSL. None of the other pesticides or herbicides exceeded the screening criteria. MCPA was detected in one of eight samples. The pesticides and herbicides were applied in accordance with manufacturing guidelines.
- PCBs – PCB-1254 exceeded two of its screening values and was detected in one of nine samples. However, the S-1/GW-1 standard was not exceeded.
- Other SVOCs – None of the other SVOCs exceeded the screening criteria.

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

6.3.1.4 VOCs

Acetone and methyl ethyl ketone were the only VOCs detected. The concentrations of these analytes were less than the screening criteria. Based on these findings, the VOCs will not be evaluated in the Feasibility Study.

6.3.2 Firing Point Area (Grid Rows 0 to 2, Columns L and M)

Table 6-4 presents the comparisons to the screening criteria for this area.

6.3.2.1 Explosive Compounds and Perchlorate

RDX was the only explosives related compound detected. The RDX detection was in grid L2 in BIP location SS028526-A. The maximum detected RDX concentration exceeded its MassDEP leaching concentration, the MMR SSL, and the EPA risk-based

SSL. However, it did not exceed the S-1/GW-1 standard. It was detected in one of 25 samples. This remaining RDX detection is associated with a BIP activity and the concentration is below the established BIP excavation criteria. Therefore, RDX will not be further evaluated in the Feasibility Study.

6.3.2.2 Inorganics

As presented on Table 6-4, a number of inorganics were detected. The maximum detected concentrations of a number of inorganics exceeded at least one of their respective screening levels. However, the average site concentrations were similar to or were less than background levels. The exception to this is copper. While the maximum copper concentration is above the MMR SSL and EPA SSL, the average concentration is well below these levels, but exceeds background levels. However, copper is not expected to be mobile in the environment and has not been detected in the groundwater above screening criteria. Based on these findings, none of the inorganics will be evaluated in the Feasibility Study.

6.3.2.3 SVOCs, Pesticides and Herbicides

Several SVOCs, pesticides and herbicides were detected in the soil.

- PAHs – The maximum detected concentrations of two PAHs exceeded at least one of their respective screening values. The maximum detected concentrations of the PAHs were less than or similar to background levels for the State of Massachusetts.
- Pesticides and Herbicides – None of the pesticides or herbicides detected in the soil exceeded the available screening criteria.
- BEHP was the only other SVOC that exceeded at least one of the available screening criteria. It marginally exceeded its risk-based SSL. The presence of BEHP appears to be an artifact of the investigation methods, introduced to the samples from plastic equipment used during collection and analysis.

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

6.3.2.4 VOCs

Four VOCs were detected in the soil. The concentrations of these analytes were less than the screening criteria. Based on these findings, the VOCs will not be evaluated in the Feasibility Study.

6.3.3 Firing Point Area (Grid Rows 3 to 6)

Table 6-5 presents the comparisons of the maximum detected concentrations to a series of screening values.

6.3.3.1 Explosive Compounds and Perchlorate

HMX and RDX were the only explosives related compounds detected (see Table 6-5). The maximum detected concentrations for HMX and RDX exceeded at least one the screening values. HMX was detected in three of 53 samples and RDX was detected five of 53 samples. HMX marginally exceeded its MassDEP leaching concentration and MMR SSL. RDX exceeded its MCP S-1/GW-1 Standard, the MassDEP leaching concentration, the MMR SSL, and the EPA risk-based SSL. The RDX and co-located HMX detections have been removed for treatment, as previously discussed in Section 4.2.1.

6.3.3.2 Inorganics

As presented on Table 6-5, a number of inorganics were detected in the soil. The maximum detected concentrations of a number of inorganics exceeded at least one of their respective screening levels. However, the maximum or average site concentrations were similar to or were less than background levels. The exception to this is copper and nickel, for which the average exceeded background, but was below the screening criteria. None of these metals are expected to be mobile in the environment and only one, arsenic which is naturally occurring in the area, was detected in groundwater above screening levels. Due to their low mobility and lack of significant groundwater detections none of these metals were further evaluated.

6.3.3.3 SVOCs, Pesticides and Herbicides

Several SVOCs, pesticides and herbicides were detected in the soil. The SVOCs were detected sporadically throughout the site. In general, the detection frequency for a number of the SVOCs was low and similar to background levels.

- PAHs – The maximum detected concentrations of several PAHs exceeded at least one of their respective screening values. The maximum detected concentrations of the PAHs were less than or similar to background levels for the State of Massachusetts.
- Pesticides and Herbicides – The maximum detected concentrations of a few pesticides and herbicides exceeded at least one of their respective screening values. The pesticides and herbicides were applied site-wide in accordance with manufacturing guidelines.
- Other SVOCs – Other SVOCs including carbazole and n-nitrosodiphenylamine exceeded at least one of the available screening criteria but as presented on Table 6-5, the frequency of detection rate for these analytes was low and none exceeded the S-1/GW-1 standards.

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

6.3.3.4 VOCs

Four VOCs were detected in the soil. The concentrations of these analytes were less than the screening criteria. Based on these findings, the VOCs will not be evaluated in the Feasibility Study.

6.3.4 Southern Flyover Area (Rows 7 to 29)

Table 6-6 presents the comparisons to the soil screening criteria for the Southern Flyover Area.

6.3.4.1 Explosive Compounds and Perchlorate

Two explosive compounds (RDX and tetryl) and perchlorate were detected in soil (see Table 6-6). The maximum detected concentrations for these compounds exceeded at least one the screening values. RDX and tetryl were detected in two of 64 samples. Perchlorate was detected in two of 20 samples. RDX exceeded its MassDEP leaching concentration, the MMR SSL, and the EPA risk-based SSL. The maximum tetryl concentration exceeded its MMR SSL and EPA SSL but the average concentration was less than all criteria. The maximum perchlorate concentration (0.0024 mg/kg) was essentially equal to its MassDEP leaching concentration (0.002 mg/kg). These detections are in small areas associated with BIP activities and were allowed to remain in-place under the BIP protocols. Therefore, they will not be further evaluated.

6.3.4.2 Inorganics

As presented on Table 6-6, a number of inorganics were detected. The maximum detected concentrations of a number of inorganics exceeded at least one of their respective screening levels. However, the average site concentrations were similar to or were less than background levels. The exception to this is copper, for which the average exceeded background. None of these metals are expected to be mobile in the environment and only one, arsenic which is naturally occurring in the area, was detected in groundwater above screening levels. Due to their low mobility and lack of significant groundwater detections none of these metals were further evaluated.

6.3.4.3 SVOCs

Several SVOCs were detected in soil. The SVOCs were detected sporadically throughout the site. In general, the detection frequency for a number of the SVOCs was low.

- PAHs – The maximum detected concentrations of four PAHs exceeded at least one of their respective screening values. The maximum detected concentrations of the PAHs were less than or similar to background levels for the State of Massachusetts.

- Other SVOCs – None of the other SVOCs exceeded the screening criteria.

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

6.3.4.4 VOCs

Several VOCs were detected in the soil. The maximum detected concentrations of benzene, bromomethane, chloroform, chloromethane, ethylbenzene, methylene chloride, tetrachloroethene, and trichloroethene exceeded at least one of their respective screening values. However, none of the VOCs exceeded the S-1/GW-1 standards. The detection frequency for these VOCs was low, and they were only detected sporadically throughout the site. Based on these findings, the VOCs will not be evaluated further.

6.3.4.5 Polychlorinated Naphthalenes

Polychlorinated naphthalenes (PCNs) were detected in the soil. The PCNs were analyzed for in four samples all associated with BIP activities. Dichloronaphthalene, trichloronaphthalene, tetrachloronaphthalene, and pentachloronaphthalene were detected in one sample. The presence of the PCNs is associated with their use as inert fillers. As a result, they are not expected to be widely present on-site. The PCN detections are evaluated and removed, as appropriate, under the BIP program. Based on this, the PCNs will not be evaluated further.

6.3.5 Interberm Area (Grid Rows 30 to 33)

Table 6-7 presents the comparisons to the screening criteria for this part of the IBA.

6.3.5.1 Explosive Compounds and Perchlorate

HMX was the only explosives related compound detected in soil (see Table 6-7). HMX (14 µg/Kg) was detected in grid I30 at Sample Location SSJ1I30003. The maximum detected concentration was less than all the available screening criteria. Based on these findings, explosives compounds were not further evaluated.

6.3.5.2 Inorganics

As presented on Table 6-7, a number of inorganics were detected in soil at various FOD rates. The maximum detected concentrations of a number of inorganics exceeded at least one of their respective screening levels. However, the average site concentrations were similar to or were less than background levels and were all less than the S-1/GW-1 standards, if available. The exception to this is copper, for which the average exceeded background, but was less than the screening criteria. Copper is not expected to be mobile in the environment and was not detected in groundwater above screening levels. Based on these findings, the inorganics will not be evaluated in the Feasibility Study.

6.3.5.3 SVOCs

Four SVOCs were detected in the soil. The concentrations of these analytes were less than the screening criteria. Based on these findings, the SVOCs will not be evaluated in the Feasibility Study.

6.3.5.4 VOCs

Three VOCs were detected in the soil. The maximum benzene concentration exceeded its MMR SSL and EPA risk-based SSL in one sample. All other samples analyzed for benzene and all other VOCs were either non-detect or were less than the available screening criteria. This isolated benzene detection is associated with BIP activities and was allowed to remain in-place under the BIP protocols. Therefore, benzene will not be further evaluated.

6.3.6 Interberm Area (Grid Rows 34 to 42)

Table 6-8 presents the comparisons of the maximum detection concentrations to a series of screening values for this portion of the IBA.

6.3.6.1 Explosive Compounds and Perchlorate

Four explosive compounds (2,4-DNT, 2-amino-4,6-DNT, HMX, and tetryl) and perchlorate were detected (see Table 6-8). The maximum detected concentrations for 2,4-DNT, 2-amino-4,6-DNT, perchlorate, and tetryl exceeded at least one of the screening values. However, the FOD rates for these four compounds were low (less than 3%) with a large number of samples. The portion of the IBA where these detections were identified was re-sampled using MIS sampling approach as previously discussed in Section 4.2.3. Based on the MIS sampling results, soils with elevated concentrations of RDX and 2,4 DNT were removed for treatment. Based on the removal action, these compounds will not be further evaluated. The locations of any remaining detections are presented on Figure 4-11.

6.3.6.2 Inorganics

As presented on Table 6-8, a number of inorganics were detected in the soil. The maximum detected concentrations of a number of inorganics exceeded at least one of their respective screening levels. However, the maximum or average site concentrations were similar to or were less than background levels. The exception to this is copper and nickel. However, the average nickel concentrations were below all screening criteria, and nickel has not been detected in groundwater above screening levels. Copper is not expected to be mobile in the environment and was not detected in groundwater above screening levels. Based on these findings, none of the inorganics will be evaluated in the Feasibility Study.

6.3.6.3 SVOCs, Pesticides and Herbicides

Several SVOCs, pesticides and herbicides were detected in the soil. The SVOCs were detected sporadically throughout the site. In general, the detection frequency for a number of the SVOCs was low.

- PAHs – The maximum detected concentrations of several PAHs exceeded at least one of their respective screening values. The frequency of detection rates for the PAHs was low (approximately 7%). The maximum detected concentrations of the PAHs were less than or similar to background levels for the State of Massachusetts and none exceeded the S-1/GW-1 standards.
- Pesticides and Herbicides – The maximum detected concentrations of several pesticides and herbicides exceeded at least one of their respective screening values. The frequency of detection rates for the pesticides and herbicides were low (less than 10%). Pesticides and herbicides were historically used at MMR, and were applied in accordance with the manufacturer's guidelines.
- PCBs – PCB-1254 exceeded two of its screening values but it was detected in only one of 95 samples (frequency of detection rate equals 1%) and was below the S-1/GW-1 standards.
- Other SVOCs – Other SVOCs including bis(2-chloroethyl)ether, carbazole, n-nitrosodiphenylamine, and pentachlorophenol exceeded at least one of the available screening criteria but as presented on Table 6-8, the frequency of detection rate for these analytes was low and none exceeded the S-1/GW-1 standards.

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

6.3.6.4 VOCs

Several VOCs were detected in the soil. The maximum detected concentrations of benzene, bromoform, bromomethane, chloroform, chloromethane, 1,4-dichlorobenzene, tetrachloroethene, 1,2,4-trichlorobenzene, and trichloroethene exceeded at least one of their respective screening values. The detection frequency for the majority of the VOCs was low. The VOCs were detected sporadically throughout the site. . Bromoform and bromomethane were detected at higher frequencies; however, neither compound exceeded the S-1/GW-1 standards and these compounds have not been detected in groundwater at concentrations exceeding the screening levels. Based on these findings, the VOCs will not be evaluated in the Feasibility Study.

6.3.6.5 Dioxins and Furans

Dioxins and furans were detected and remain in three samples collected from this area; sample locations SSJ1K40BLP-001 (grid K40), J1P-15 (grid K37), and SSJ1J36001 (grid J37). Evaluated as 2,3,7,8-tetrachlorodibenzo-p-dioxin toxic equivalents (2,3,7,8-TCDD TEQ), the dioxins and furans exceeded the MMR SSL and the EPA risk-based SSL. The TEQ however, is below the S-1/GW-1 standard. The presence of the dioxins and furans is associated with isolated burn/burial pits. All identified burn/burial pits have

been removed, and based on the findings of the munitions source assessment (Appendix H), additional burn/burial pits are unlikely in this portion of the range. Therefore, dioxins and furans are not expected to be widely present at the J-1 Range. Based on these findings, the dioxins and furans will not be evaluated in the Feasibility Study.

6.3.6.6 Aliphatic and Aromatic Hydrocarbons

Aliphatic and aromatic hydrocarbons were detected. The maximum detected concentrations were less than the available screening standards. As a result, the aliphatic and aromatic hydrocarbons will not be evaluated in the Feasibility Study.

6.3.7 Interberm Area (Rows 43 and 44)

Table 6-9 presents the comparisons to the screening criteria for this part of the IBA.

6.3.7.1 Explosive Compounds and Perchlorate

There we no explosive compounds or perchlorate detected in the soil. Based on these findings, no explosive compounds will be evaluated in the Feasibility Study.

6.3.7.2 Inorganics

As presented on Table 6-9, a number of inorganics were detected in the soil. The maximum detected concentrations of a number of inorganics exceeded at least one of their respective screening levels. However, the site concentrations for these metals were similar to or were less than background levels and none exceeded the S-1/GW-1 standards. Based on these findings, none of the inorganics will be evaluated in the Feasibility Study.

6.3.7.3 SVOCs

Three SVOCs (benzo(a)pyrene, BEHP and chrysene) were detected in the soil. The benzo(a)pyrene concentration exceeded its EPA SSL but it was less than the State of Massachusetts background level. The concentrations for the other analytes were less than the screening criteria. Based on these findings, the SVOCs will not be evaluated in the Feasibility Study.

6.3.8 Northern Flyover Area (Grid Rows 45 to 64)

Table 6-10 presents the comparisons to the screening criteria for the Northern Flyover Area.

6.3.8.1 Explosive Compounds and Perchlorate

RDX and 4-Nitrotolouene were the only explosives compounds detected in Northern Flyover Area soils (see Table 6-10). The maximum detected concentrations for RDX

and 4-NT exceeded at least one the screening values. RDX was detected in only two of 80 samples and 4-NT was detected one of 80 samples. RDX exceeded its MassDEP leaching concentration, the MMR SSL, and the EPA risk-based SSL. 4-Nitrotouene exceeded its EPA risk-based SSL. These isolated detections are associated with BIP activities and were allowed to remain in-place under the BIP protocols. Therefore, no explosives or perchlorate will be evaluated in the Feasibility Study.

6.3.8.2 Inorganics

As presented on Table 6-10, a number of inorganics were detected in the soil. The maximum detected concentrations of a number of inorganics exceeded at least one of their respective screening levels. However, the maximum or average site concentrations were similar to or were less than background levels. The exception to this is cadmium and copper. The maximum cadmium detection was associated with a post-BIP sample that was below the excavation criteria established by the BIP protocol, sot the soil was left in place. Copper is not expected to be mobile in the environment and was not detected in groundwater above screening levels. Based on these findings, none of the inorganics will be evaluated in the Feasibility Study.

6.3.8.3 SVOCs, and Pesticides

Several SVOCs and pesticides were detected in the soil. The SVOCs were detected sporadically throughout the site. In general, the detection frequency for a number of the SVOCs and pesticides was low. Naphthalene was the only SVOC that exceeded at least one of its respective screening values; however, the maximum detected naphthalene concentration was less than the background level for the State of Massachusetts and below the S-1/GW-1 standard. None of the detected pesticides exceeded screening values. Based on these findings, the SVOCs will not be evaluated in the Feasibility Study.

6.3.8.4 VOCs

Several VOCs were detected in the soil. The maximum detected concentrations of benzene, bromomethane, and chloromethane exceeded at least one of their respective screening values. However, there were no exceedences of the S-1/GW-1 standards, and detections in groundwater are infrequent. Based on these findings, the VOCs will not be evaluated in the Feasibility Study.

6.3.8.5 Polychlorinated Naphthalenes

PCNs were detected in the soil. The PCNs were analyzed for in 33 BIP related samples. The presence of the PCNs is associated with their use as inert fillers. As a result, they are not expected to be widely present on-site. The PCN detections are evaluated and removed as appropriate under the BIP program. Based on this, the PCNs will not be evaluated in the Feasibility Study.

6.3.9 2,000 Meter Berm (Grid Rows 65 to 72)

Table 6-11 presents the comparisons of the maximum detection concentrations to a series of screening values for the 2,000 Meter Berm Area.

6.3.9.1 Explosive Compounds and Perchlorate

Eight explosive compounds (2,4-DNT, 2,6-DNT, 2-amino-4,6-DNT, 4-amino-2,6-DNT, HMX, 2-NT, 3-NT, and RDX) and perchlorate were detected in the 2,000 Meter Berm soil (see Table 6-11 and Figure 4-21)). The maximum detected concentrations for the majority of these compounds exceeded at least one the screening values. The frequency of detection rates for the explosives compounds were 5% or lower. Only one compound (RDX) exceeded the S-1/GW-1 standard. However, the contaminated soils associated with the maximum RDX and HMX detections (SS118, RDX at 3500 µg/Kg) have been removed for treatment, as previously discussed in Section 4.2.4. Based on this removal action, explosive compounds and perchlorate will not be further evaluated in the Feasibility Study.

6.3.9.2 Inorganics

As presented on Table 6-11, a number of inorganics were detected in the soil. The maximum detected concentrations of a number of inorganics exceeded at least one of their respective screening levels. However, the maximum or average site concentrations were similar to or were less than background levels. The exception to this is copper, for which the average exceeded background, but was less than the screening criteria. Copper is not expected to be mobile in the environment and was not detected in groundwater above screening levels. Based on these findings, none of the inorganics will be further evaluated.

6.3.9.3 SVOCs, Pesticides and Herbicides

Several SVOCs, pesticides and herbicides were detected in the soil. The SVOCs were detected sporadically throughout the site. In general, the detection frequency for a number of the SVOCs was low.

- PAHs – The maximum detected concentrations for all of the detected PAHs were less than the available screening values.
- Pesticides and Herbicides – The maximum detected concentrations of several pesticides and herbicides exceeded at least one of their respective screening values. The pesticides and herbicides were applied site-wide in accordance with manufacturing guidelines.
- Other SVOCs – Pentachlorophenol was the only other SVOC that exceeded at least one of the available screening criteria but as presented on Table 6-11, the FOD rate for pentachlorophenol is low and the maximum concentration did not exceed the S-1/GW-1 standard.

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

6.3.9.4 VOCs

Several VOCs were detected in the soil. The maximum detected concentrations of benzene, chloroform, and trichloroethene exceeded at least one of their respective screening values. The detection frequency for these VOCs was low. The VOCs were detected sporadically throughout the site. Based on these findings, the VOCs will not be evaluated in the Feasibility Study.

6.3.9.5 Polychlorinated Naphthalenes

PCNs were detected in the soil. The PCNs were analyzed for in five samples. The presence of the PCNs is associated with their use as inert fillers. As a result, they are not expected to be widely present on-site. Screening values are not available for the PCNs at the current time. Based on this, the PCNs will not be evaluated in the Feasibility Study.

6.3.9.6 Soil Evaluation Summary

Elevated concentrations of explosives compounds have been removed from the 100 Meter Range (Rows 3 to 6), IBA (Rows 34 to 42) and from the 2,000 meter berm (Rows 64 to 72) for treatment. Based on these removal actions, explosive compounds and perchlorate in soils will not be further evaluated in the Feasibility Study. No other soil detections warrant further evaluation as part of the J-1 Range Feasibility Study.

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7.0 REMEDIAL INVESTIGATION FINDINGS

The following presents the summary and findings of the J-1 Range remedial investigation.

7.1 Groundwater Contamination

For the purposes of groundwater evaluation the J-1 southern and northern groundwater evaluations are discussed separately. This is due to the diverging flow directions of the two plumes emanating from the J-1 Range. The northern plume is flowing in a north-north- westerly direction and the J-1 southern plume is flowing in a southeast direction.

7.1.1 Northern Area

The main lobe of the plume consists of perchlorate and RDX and the western lobe consists primarily of RDX with some isolated detections of perchlorate (Figures 2-10 and 3-1). The main lobe of the perchlorate plume, as defined by perchlorate above the MMCL (2 µg/L), is approximately 3,900-feet long and approximately 800-feet wide at the widest point. The perchlorate contamination is detached from the suspected source area and the highest concentrations are located in the downgradient portion of the plume. The main RDX plume, as defined by concentrations above the HA (2 µg/L), is approximately 3,300-feet long and 1,100-feet wide at the widest point. RDX concentration in the source area have gradually decreased with time to levels that are below the HA. The highest RDX groundwater concentrations have not migrated as far downgradient as elevated perchlorate concentrations, and are located in the upgradient portion of the plume. The Conceptual Site Model, based on known range use activities and presence of soil contaminants, suggests disposal activities, including burning, in the IBA as the major source of the J-1 Range northern plume.

A human health risk screening was conducted for the J-1 Range northern groundwater. The objective of the risk screening was to identify any contaminant detected in the J-1 Range northern 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.

7.1.2 Southern Area

The primary site-related contaminant in the southern J-1 Range groundwater study area is RDX. The plume is defined by an upgradient portion which extends from the presumed source area and terminates along the base boundary at the extraction well (J1SEW0001), and a downgradient portion which extends from the base boundary, just beyond the extraction well (J1SEW0001) approximately 1,000 feet (Figure 2-14). The

upgradient plume, as defined by detections of RDX above the HA, is approximately 1,000-feet long and 300-feet wide at the widest point and the downgradient plume, as defined by detections of RDX above the HA is approximately 1,900-feet long and approximately 700-feet wide at its widest point. The plume is approximately 50-feet thick (Figure 2-15). Further downgradient, past the extraction well, the plume thins (Figure 2-14).

The Conceptual Site Model, based on known range use activities and presence of soil contaminants, suggests munitions testing and disposal activities as the major source of the southern plume. In general, the plume flow trajectory is southeasterly in the area immediately downgradient of the source area and more southerly toward the downgradient portion of the plume.

A human health risk screening was conducted for the J-1 Range southern groundwater using the same screening approach as discussed for the J-1 Range northern groundwater. RDX was identified during the screening evaluation and will be further evaluated in the Feasibility Study. Other compounds were also 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.

7.2 Source Characterization

During the period from 1997 through 2007, 1,732 soil samples were collected from 419 locations within the J-1 Range investigation area. In addition, numerous intrusive investigations of geophysical anomalies were conducted in the J-1 Range study area. Results of soil investigations in the Popper Kettle area, the Steel-lined Pit, the Wastewater Disposal Area, cook-off test location, Polygons 9,10 and 16 and disposal pits (Grids J39, J36 and K36) show soil contamination that are consistent with explosives found in downgradient groundwater. These areas are located in the Interberm Area and the extent of the northern 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 4.0.

The primary sources of groundwater contamination in the southern area were testing and disposal areas including soils in the vicinity of Polygons 2, 3, and 4, disposal pits and the suspected water saw operation. Explosives contaminated soil associated with these sources has been removed as discussed in Section 4.

For the soil risk screen, J-1 Range soil data was divided into nine discrete subareas, based on the conceptual site model for the different portions of the range. The risk screen identified RDX and HMX detections exceeding the screening criteria. The locations of these exceedences were primarily in Firing Point Area (Rows 3 to 6), the IBA and 2,000 meter berm areas. These impacted soils were excavated during recent removal actions. Soils in the other subareas did not exceed the screening criteria, or were only detected at low frequencies. Based on the above findings, there is no further action warranted for soils at the J-1 Range.

Intrusive investigations identified multiple disposal pits in the southern portion of the range and in the IBA. However, the greatest number of finds consisted of munitions debris or other debris. The vast majority of MEC items encountered were small quantity energetic items. Other encountered MEC items were generally inert bodies with live fuzes or individual HE projectiles. Based on the geophysical investigations, remaining geophysical anomalies are likely munitions debris or other debris. However, there is the potential for residual MEC items, likely consisting of inert projectiles with live fuzes or isolated individual HE items.

Additional geophysical investigations of anomalies in Grid K4 and soil sampling at tank targets 22 and 35 will be performed in accordance with the "*Final J-1 Range Targets 22 and 35 Soil Sample Collection and Grid K4 Anomaly Investigation*" Project Note dated July 7, 2010 (ECC 2010).

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8.0 J-1 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-1 Range areas. The sources of contamination have been removed during the investigation phase culminating in the removal and treatment of 2,754 cubic yards/tons of soil in May 2010.

The remedies evaluated in the J-1 Range groundwater feasibility study were monitored natural attenuation and focused extraction. These remedies include technologies implemented as part of the J-3 and J-2 rapid response actions (ECC 2005a, c), and evaluated in the feasibility study for the Demolition Area 1 (AMEC 2004). The technology selected for the active remediation alternative 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 a GAC adsorption process, groundwater contaminated with explosives is passed through a carbon medium and the 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 2004). 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 them 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, infiltration trenches were used to conceptually return water to the aquifer. The specific method will be determined during the wellfield design effort if the selected remedy involves treatment.

The following steps were taken to identify alternatives to address the contamination in the J-1 Range 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).

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9.0 DEVELOPMENT OF ALTERNATIVES

9.1 Response Action Objectives

This section describes the response action objectives and potential response actions for J-1 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 J-1 Range groundwater plumes are to restore the useable groundwater to its beneficial use, wherever practicable; with 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 for the northern J-1 plume and RDX for the southern J-1 plume) 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.

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 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.

9.2 Regulatory Considerations

Table 9-1 summarizes the federal and state regulatory considerations for the proposed J-1 Range groundwater remedial actions.

9.3 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 the non-cancer Hazard Risk of one as rapidly as possible and in less than 10 years and shall require no long-term maintenance.
- A limited number of remedial alternatives that attain site-specific remediation levels within different restoration time periods utilizing one or more different technologies if they offer the potential for comparable or superior performance or implementability; fewer or lesser adverse impacts than other available approaches; or lower costs for similar levels of performance than demonstrated treatment technologies.

A range of alternatives from no further action to focused extraction of the J-1 Range plumes are considered in this feasibility study. Contaminated soil has been removed and is being remediated concurrently with the development of groundwater remedies; 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 J-1 Range. The northern plume groundwater alternatives are:

- Alternative 1 – No Further Action;
- Alternative 2 – Monitored Natural Attenuation and Land-use Controls;
- Alternative 3 – Focused Extraction with One Well, Monitored Natural Attenuation and Land-use Controls;
- Alternative 4 – Focused Extraction with Two Wells (in-plume), Monitored Natural Attenuation and Land-use Controls;
- Alternative 5 – Focused Extraction with Two Wells (In plume and leading edge), Monitored Natural Attenuation and Land-use Controls; and
- Alternative 6 – Focused Extraction with Five Wells, Monitored Natural Attenuation and Land-use Controls.

The J-1 Range southern groundwater alternatives are:

- Alternative 1 – No Further Action;
- Alternative 2 – Monitored Natural Attenuation and Land-use Controls;
- Alternative 3 – Focused Extraction with One Well, Monitored Natural Attenuation and Land-use Controls;
- Alternative 4 – Focused Extraction with Two Wells, Monitored Natural Attenuation and Land-use Controls; and
- Alternative 5 – Focused Extraction with Three Wells, Monitored Natural Attenuation and Land-use Controls.

Alternative 1 for both the plumes only includes well abandonment and site closeout.

Monitoring and land-use controls are components of the J-1 Range northern plume Alternatives 2 through 6 and J-1 Range southern plume Alternatives 2 through 6 and J-1 Range southern plume 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 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 area 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-1 Range southern groundwater plume. If a potential exposure is identified the Army will take action to insure 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 (J-1 Range northern plume) or for RDX (J-1 Range southern plume) to measure the attenuation of the contaminated groundwater, and 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 for the northern area (Figure 9-1) consist of: (1) extraction of groundwater through extraction well/s, (2) treatment of the groundwater through a modular treatment unit (MTU) [The MTU uses IX to remove perchlorate from the groundwater and GAC to remove explosives from groundwater], and (3) infiltration of treated water to the aquifer via infiltration trench(es).

The extraction alternatives for J-1 Range southern area (Figure 9-2) consist of: (1) extraction of groundwater through extraction well/s, (2) treatment of the groundwater through a MTU [The MTU uses GAC to remove explosives from groundwater], and (3) infiltration of treated water to the aquifer via infiltration trench(es).

Each of the alternatives reduces contaminant concentrations to background conditions. In addition, the J-1 Range northern area Alternative 6 and J-1 Range southern

Alternative 5 were designed to reduce the contaminant concentration to levels that meet or exceed regulatory and risk based standards in less than 10 years after the start of treatment.

10.0 DETAILED ANALYSIS OF ALTERNATIVES

10.1 Introduction

The following subsections describe the conceptual design the 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.

10.2 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 remedial action;
   - Environmental impacts to natural resources;
   - 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;
     - Monitoring considerations, addressing the ability to adequately monitor 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 MMR. The general assumptions made for the present value calculation are that costs based on current (present day) information will escalate at a rate of five percent per year until year zero; after year zero, costs were discounted at a rate dependent on the length of the alternative (OMB 2008). A detailed presentation of the cost estimates and present value calculations are provided in Appendix M.

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 MMRCT and the public.

10.3 Feasibility Study Groundwater Modeling

Groundwater modeling was used to predict the fate and transport of perchlorate and RDX in the J-1 Range northern plume and of RDX in the J-1 Range southern plume for each alternative. The assumptions and associated modeling output are conceptual in nature and are adequate for feasibility study-level evaluation.

Solute transport modeling was used to evaluate the feasibility study alternatives with respect to time required for RDX and/or perchlorate concentrations to decrease below specific concentrations, estimated remedial system operation time, and mass capture. The flow and transport simulations were performed with the same programs and transport parameters described in Section 3.3.

The hydraulic stresses simulated in the model were divided into numerous time periods to simulate ongoing remedial actions in nearby plumes and potential groundwater remedial actions at northern or sourthern J-1 Range. The impacts of operation of J-1 Range South treatment systems on the J-1 Range North plume, and vice versa, are anticipated to be minimal because the plumes are on opposite sides of the top of the mound. All model runs also incorporate other nearby operating remedial system components and water supply wells that are within the model domain. If active treatment is the selected remedy, a more thorough evaluation of the impacts of neighboring treatment systems will be conducted as part of wellfield design.

Both the J-1 Range northern and southern feasibility study modeling efforts were conducted assuming there were no continuing contaminant sources. The source areas are being addressed as separate actions (Section 4.0). Major insights into the J-1 North RDX plume are that the western plume contains consistent and decreasing concentrations, the trailing edge of the main plume has decreasing concentrations, the highest concentrations are in the mid-plume portion, and the plume is heterogeneous; there are areas of nondetects within detectable portions of the plume. Major insights into the J-1 North perchlorate plume are that there a low concentrations in the western plume, the trailing edge of the main plume has low concentrations, the highest concentrations are migrating downgradient from the center of the plume, and the plume is heterogeneous. The J-1 Range southern groundwater sampling data indicate decreasing RDX concentrations in upgradient monitoring wells. Major insights into the J-1 South RDX plume are that upgradient concentrations are decreasing, the highest concentrations are located within the core of the plume, and the portion of the plume downgradient of the base boundary continues to migrate downgradient. The data from both the northern and southern J-1 Range do not suggest a continuing source and the conceptual site models assume there is no remaining source material that would contribute significant mass to the groundwater. In the event that there are some remaining source contaminants that were not addressed by the various source removal activities, the modeling predictions presented herein may underestimate remedial time frames.

Animations that illustrate the future fate of the contaminant plumes were created and are presented in following sections. For feasibility study alternative presentation purposes, the animations show perchlorate above 2 µg/L and RDX above 0.6 µg/L. It is noted, however, that perchlorate concentrations below 2 µg/L and RDX concentrations below 0.6 µg/L contribute to mass capture and influent concentrations and are included in the transport model mass.

Infiltration trenches in the model are simulated as shallow wells with positive flow rates. The wells are located at the water table and therefore do not simulate infiltration of water through the vadose zone. Recharge into the model cells is not affected by their designation as wells. Infiltration trenches have been simulated in this same fashion for all IAGWSP and AFCEE modeling efforts.

For most of the modeling simulations, the remedial components of the alternative were assumed to operate unchanged for the duration of the simulation; however, in practice it

is likely that the system operating parameters would be adjusted to optimize performance of the remediation system. Select modeling simulations conducted for J-1 Range northern plume alternatives did simulate extraction wells shutting off at specific times. The mass capture for each alternative was estimated by calculating the mass capture from each extraction well. The mass capture at extraction wells with specified operation times was only calculated for the specified operation time. Operation times for extraction wells simulated to operate for the duration of the simulation was estimated based on the influent concentrations; the estimated shutoff time was the year the influent concentrations decreased below 0.35 µg/L for perchlorate and 0.25 µg/L for RDX. If an active remedy was built, there may be differences between actual remedial system shutdown and the shutdown time estimated in the feasibility study.

The various plume volumes and mass capture for each alternative is shown in Figures 10-1 thru 10-3. Capture zones for the remedial action alternatives are presented in Appendix N.

10.4 Northern Area Feasibility Study

The following sections provide the J-1 Range northern groundwater modeling activities and results, a detailed description of each alternative, and a detailed analysis of the alternatives.

Note that the western lobe of the J-1 Range northern plume (Figure 2-10) will not be evaluated as part of the J-1 Range northern feasibility study; it will be addressed as part of the Central Impact Area plume.

The layout of designs for the active treatment components of Alternatives 3, 4, 5, and 6 are shown in Figure 9-1. The conceptual designs for the active treatment alternatives use extraction wells, modular treatment units (MTUs) with GAC and IX to treat the contaminated water and infiltration trenches to return the water to the aquifer. The conceptual designs for Alternatives 3, 4, and 6 consist of MTUs located on Chadwick Road and infiltration trenches located along Chadwick Road outside of the plume. For Alternative 5, the conceptual design consists of piping the contaminated water to MTUs located adjacent to the J-2 Range MTUs on Wood Road. The water would be returned to the aquifer through expansion of the J-2 infiltration trenches located on Wood Road (ECC 2007). The specific method and placement of returning treated water to the aquifer will be determined during the wellfield design effort if the selected remedy involves treatment.

10.4.1 Northern Area Feasibility Study Groundwater Modeling

Groundwater modeling was used to predict the fate and transport of perchlorate and RDX in the J-1 Range North plume for each alternative. The J-1 Range northern Model (Appendix J) and the J-1 Range northern 2008 perchlorate and RDX plume shells (Appendix K) were used. The J-1 Range northern total perchlorate mass accounting for all concentrations simulated within the model is 9.8 Kgs. The J-1 Range northern total

RDX mass (dissolved and adsorbed) accounting for all concentrations simulated within the model is 3.8 Kgs.

Even though the conceptual designs for returning treated water to the aquifer consist of infiltration trenches at J-2 Range and at the northern J-1 Range, for the J-1 Range northern modeling simulations, all of the water extracted from the J-1 Range northern plume was returned to the aquifer through expanded J-2 infiltration trenches located along Wood Road. This was conducted for ease of simulation and is expected to have no effect on the comparison of alternatives. The specific method and placement of returning treated water to the aquifer will be determined during the wellfield design effort if the selected remedy involves treatment.

All model runs also incorporate other nearby operating remedial system components (i.e. J-2 Range, J-3 Range, J-1 Range, FS-12) and water supply wells that are within the model domain. The Upper Cape Water Supply wells WS-2 and WS-3 are within the model domain and are simulated in the model at average operating conditions (i.e. 297 and 148 gpm, respectively) (Jacobs 2005).

The fate and transport of perchlorate and RDX under stressed conditions (active remediation) were simulated for Alternatives 3, 4, and 5. Alternatives 1 and 2 have the same pumping stress (i.e. only the influence of adjacent public water supply wells and remedial systems) and, thus, only Alternative 1 was simulated. Alternative 6 was not simulated in the groundwater fate and transport model. Estimates of the performance of Alternative 6 were made based on results of other similar wellfield scenarios that were modeled.

Each model simulation was initialized in June 2008 and ended in 2109. The start-up of the potential J-1 Range northern remedial system is simulated to begin in 2010. The extraction well locations, screen lengths, and flow rates used in each alternative are summarized in Table 10 -1.

Animations 10-1 through 10-8 illustrate the future fate of the perchlorate and RDX plumes under Alternatives 1 through 5 (as noted above, there are no animations for Alternative 6). The model-predicted mass capture was based on mass captured through the extraction wells during the estimated operation time. Even though the western RDX plume will be addressed in conjunction with the Central Impact Area plume, it is included in simulations of the J-1 Range northern RDX plume. Inclusion of the western plume does not affect comparison of the alternatives because it does not affect (1) the time RDX concentrations decrease below risk based concentration for the main RDX plume, or (2) the mass capture of each alternative. The modeling results are presented in the detailed analysis of each alternative.

The expanded mass sensitivity plume shell, with 24 percent more perchlorate, was simulated in the fate and transport model with Alternatives 1, 2, 3, 4, and 5 (Animations 10-9 through 10-12). The additional perchlorate mass did not have a significant effect on the overall (perchlorate and RDX) cleanup time, because the time for RDX concentrations to decrease to below 0.6 µg/L is greater and, therefore, there would be

no significant impact on the estimated cost for Alternative 2. Due to the placement of the area of increased perchlorate mass downgradient of the conceptual extraction well for Alternative 3, the time to reach perchlorate cleanup levels was increased by approximately 17 years, and the overall (perchlorate and RDX) plume cleanup time was increased by approximately 11 years. There was no difference in the extraction well operation time. There would be only a small impact to the estimated cost for Alternative 3 because there would be no change in the extraction well operation time and the cost for the additional 11 years of monitoring at the end of an alternative is minimal. For Alternative 4, there was no difference in the estimated extraction well operation time. There was an increase in the perchlorate cleanup and the overall plume cleanup of approximately nine years. The cleanup time difference for Alternative 4 would not have a significant impact on the estimated cost for Alternative 4. For Alternative 5, there was no difference in the estimated extraction well operation time, the perchlorate cleanup time, or the overall plume cleanup time, and thus no impact on the estimated cost of the alternative. Alternative 6 was not simulated with the groundwater fate and transport model but an increase in perchlorate mass is unlikely to have an impact on the extraction well operation time, the perchlorate cleanup time, the overall plume cleanup time, or the estimated cost.

10.4.2 Detailed Analysis of Northern Area 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.

10.4.2.1 Alternative 1 – No Further Action

Under the no further action alternative, treatment and/or monitoring would not be conducted and the monitoring wells, associated with the northern J-1 Range long-term chemical monitoring, 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-1 Range northern 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 2 µg/L by approximately 2080 and background concentrations (0.35 µg/L) could be achieved after year 2109. RDX concentrations are predicted to decrease, through natural attenuation processes, below the HA of 2 µg/L by approximately 2053, below the 10^{-6} risk-based level of 0.6 µg/L after year 2109, and background concentrations (0.25 µg/L) could be achieved after year 2109 (Table 10-2). 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 2080. Because this 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 will permanently decrease to below 2 µg/L and 0.6 µg/L through natural attenuation by 2080 and after year 2109, respectively. Because no further contribution from the source area is likely, this Alternative is expected to be permanent. 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 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 well abandonment. There are risks to workers from unexploded ordnance within the Impact Area. 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 MMR. Administratively, this alternative is feasible.

Cost

The costs are estimated for Alternative 1 as follows:

• Capital cost:	$ 74,827
• O&M:	$ 0
• Site closeout documentation:	$ 69,300
• Total present worth:	$ 144,127

Appendix M 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 MMRCT and the public.

10.4.2.2 Alternative 2 – Monitored Natural Attenuation and Land-Use Controls

No extraction and treatment would occur with this alternative. This alternative would provide for long-term monitoring of the J-1 Range northern groundwater to ensure that natural attenuation was progressing toward 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 concentrations of COCs in the groundwater attain 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. Groundwater monitoring would continue after cleanup objectives are met for two additional years to ensure that plume concentrations remain below those levels. Additional monitoring wells would be necessary to monitor adequately the plume as it migrates downgradient of the current plume footprint into areas with less well

coverage. The monitoring wells 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 2024, 2 µg/L by approximately 2080 and background concentrations (0.35 µg/L) after year 2109. RDX concentrations are predicted to decrease, through natural attenuation processes, below the 10^{-5} risk-based level of 6 µg/L by approximately 2027, the HA of 2 µg/L by approximately 2053, the 10^{-6} risk-based level of 0.6 µg/L after year 2109, and background concentrations (0.25 µg/L) after year 2109 (Table 10-2).

Compliance with Regulations

Alternative 2 would comply with applicable regulations. Because the plume is expected to naturally attenuate to 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 would decrease to risk based concentrations through natural processes (dilution, dispersion, and sorption). Because no further contribution from the source area is likely, this alternative is expected to be permanent. 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, 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

No 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 effect on the community because all short-term activity is on-post. There would be less effect on the workers because activities would be limited to monitoring well construction, sampling, and well abandonment. There are significant risks to workers from unexploded ordnance within the Impact Area. 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-1 Range northern 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 because the locations would be on-post. 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: $ 1,535,013
- O & M: $ 1,903,379
- Site Closeout Documentation: $ 2,759
- Total present worth: $ 3,441,151

Appendix M provides detailed calculations of the costs 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 MMRCT and the public.

10.4.2.3 Alternative 3 – Focused Extraction with One Well, Monitored Natural Attenuation and Land-use Controls

Alternative 3 would provide for pumping and treatment of the plume, monitoring, and maintaining land-use controls. The design of the alternative consists of one new extraction well (125 gpm) located within the plume, treatment at a new MTU located on Chadwick Road, and infiltration of the treated water at a new infiltration trench located on Chadwick Road (Figure 10-1) (Table 10-1). Active treatment of the plume would remove perchlorate and RDX from the extracted groundwater and return 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 future exposure. Groundwater monitoring would continue for two years after risk based concentrations were achieved to ensure that concentrations remain below those concentrations. The monitoring wells 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.

This alternative was evaluated using two different operational scenarios for the extraction well: Alternative 3a) the extraction well operates until the influent concentrations decrease below the method detection limit and Alternative 3b) the extraction well operates until 2030. The variation of operational scenarios was conducted to assess the effect of the length of operating time on the time to reach cleanup goals and the costs associated with the variations. Specifically Alternative 3b was conducted to evaluate the shortest time the extraction well could operate in order to reach cleanup levels before the current Army lease on the property expires in 2051.

<u>Overall Protection of Human Health and the Environment</u>

The groundwater model indicates for Alternatives 3a, perchlorate concentrations would decrease below 15 µg/L by 2018, 2 µg/L by approximately 2042 and background concentrations (0.35 µg/L) later than year 2109. RDX concentrations would decrease below the 10^{-5} risk-based level of 6 µg/L by approximately 2025, the HA of 2 µg/L by approximately 2038, the 10^{-6} risk-based concentration of 0.6 µg/L by approximately 2048, and background concentrations (0.25 µg/L) by 2057 (Table 10-2). It was estimated, from groundwater modeling results, that if the extraction well was turned off five years before influent concentrations decreased below the method detection limit (Alternative 3b) then perchlorate concentrations would decrease below 2 µg/L by approximately 2043 (1 year later than Alternative 3a) (Table 10-2). RDX concentrations would decrease below the HA of 2 µg/L by approximately 2040 and below the 10^{-6} risk-based concentration of 0.6 µg/L by approximately 2051 (3 years later than Alternative 3a) (Table 10-2).

Compliance with 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 decrease 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. The total perchlorate mass simulated within the model is 9.8 Kg and the total RDX mass simulated in the model is 3.8 Kg. Model-predicted mass capture for Alternative 3a from 2010 to 2035 (estimated operational time) is approximately 6.0 Kg of perchlorate and 2.1 Kg of RDX. If the extraction well was turned off in 2030 (Alternative 3b) the same amount of perchlorate would be captured and approximately 1.8 Kg of RDX would be captured.

Short-Term Effectiveness

There would be little effect other than transportation of construction materials and equipment on the community because most activity is on-post. There would be an effect on the workers from implementing Alternative 3 because of the construction work (i.e. ETI system construction, monitoring well construction, and decommissioning) and operation and maintenance activities. There are additional risks to workers from unexploded ordnance within the Impact Area particularly from installing underground pipelines and electrical lines.

A site-specific Health and Safety Plan would be followed during system construction 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, groundwater sampling, and drilling have been adequate to protect workers although no treatment systems have been built in the Impact Area.

To the extent feasible, previously disturbed areas would be utilized for the installation of wells, the infiltration trench, subsurface piping, power lines, and the MTU to minimize impact on cultural and natural resources. However, some temporary disturbance to the vegetation would be necessary during installation of the treatment system

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. Maintenance of facilities downrange of a small arms firing range would require detailed coordination to ensure safe operation.

The Massachusetts Army National Guard's Revised Limited Authorization for Lead Ammunition Training (AO2, Appendix C) at Tango, Juliet, and Kilo Ranges, is conditioned on such coordination and specifically provides that investigation and cleanup take priority in the event of a conflict.

Cost

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

- Capital cost: $ 2,988,445
- O & M: $ 9,427,002
- Site Closeout Documentation: $ 23,873
- Total present worth: $ 12,439,320

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

- Capital cost: $ 2,985,450
- O & M: $ 8,756,170
- Site Closeout Documentation: $ 22,040
- Total present worth: $ 11,763,660

Appendix M 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 MMRCT and the public.

10.4.2.4 Alternative 4 – Focused Extraction with Two Wells (In-Plume), Monitored Natural Attenuation and Land-Use Controls

Alternative 4 would provide for pumping and treatment of the plume, monitoring, and maintaining land-use controls. The concept for Alternative 4 is in-plume extraction, treatment at two new MTUs located along Chadwick Road, and infiltration of the treated water at two new infiltration trenches located along Chadwick Road. The simulated extraction wells include two new extraction wells, each pumping 125 gpm (Figure 10-1) (Table 10-1). Active treatment of the plume would remove perchlorate and RDX from the extracted groundwater and return the treated water to the aquifer. This alternative includes the option of modifying the system to optimize the ETI 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 future exposure. Groundwater monitoring would continue for two years after risk based concentrations are achieved to ensure that plume concentrations remain below those levels. The monitoring wells and other subsurface 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.

This alternative was evaluated using two different operational scenarios for the extraction wells: Alternative 4a) the extraction wells operate until the influent concentrations decrease below the method detection limit that is predicted to occur in 2024 and Alternative 4b) the upgradient extraction well (J1N5AEW1) was turned off in 2015 and the downgradient extraction well (J1NA5EW2) turned off in 2023. The variation of operational scenarios was conducted to assess the effect of the length of operating time on the time to reach cleanup goals and the costs associated with the variations. Specifically, Alternative 4b was conducted to evaluate the shortest time the extraction wells could operate in order to reach cleanup levels before the current Army lease on the property expires in 2051.

Overall Protection of Human Health and the Environment

The groundwater model indicates for Alternative 4a, perchlorate concentrations would decrease below 15 µg/L by approximately 2023, below 2 µg/L by approximately 2037 and background concentrations (0.35 µg/L) beyond year 2109. RDX concentrations would decrease below the 10^{-5} risk based level of 6 µg/L by approximately 2019, the HA of 2 µg/L by approximately 2027, the 10^{-6} risk-based concentration of 0.6 µg/L by approximately 2035, and background concentrations (0.25 µg/L) by 2048 (Table 10-2). It was estimated, from groundwater modeling results that with the shortened operation scenario described above (Alternative 4b), perchlorate concentrations would decrease below 2 µg/L by approximately 2045 (8 years later than Alternative 4a). RDX concentrations would decrease below the HA of 2 µg/L by approximately 2031 and below the 10^{-6} risk-based concentration of 0.6 µg/L by approximately 2050 (15 years later than Alternative 4a) (Table 10-2).

Compliance with 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 decrease due to natural attenuation processes, which are also 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. The total perchlorate mass simulated within the model is 9.8 Kg and the total RDX mass simulated in the model is 3.8 Kg. Model-predicted mass capture for Alternative 4a from 2010 to 2024 (estimated operational time) is approximately 7.1 Kg of perchlorate and 2.5 Kg of RDX. If the shortened, operational scenario was employed (Alternative 4b), then approximately 5.6 Kg of perchlorate and 2.2 Kg of RDX would be captured.

Short-Term Effectiveness

There would be little effect other than the transportation of construction materials and equipment on the community because most activity is on-post. There would be an effect on the workers from implementing Alternative 4 because of the construction work (i.e. ETI system construction, monitoring well construction, and decommissioning) and operation and maintenance activities. There are additional risks to workers from unexploded ordnance within the Impact Area particularly while installing underground pipeline and electrical lines.

A site-specific Health and Safety Plan would be followed during system construction 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, although no treatment systems have been built in the Impact Area.

To the extent feasible, previously disturbed areas would be utilized for the installation of wells, infiltration trenches, subsurface piping, power lines, and the MTUs to minimize

impact on cultural and natural resources. However, some temporary disturbance to the vegetation would be necessary during installation of the treatment system.

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. Maintenance of facilities downrange of a small arms firing range would require detailed coordination to ensure safe operation.

The Massachusetts Army National Guard's Revised Limited Authorization for Lead Ammunition Training (AO2, Appendix C) at Tango, Juliet, and Kilo Ranges, is conditioned on such coordination and specifically provides that investigation and cleanup take priority in the event of a conflict.

Cost

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

- Capital cost: $ 4,180,453
- O & M: $ 8,836,229
- Site Closeout Documentation: $ 32,003
- Total present worth: $ 13,057,684

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

- Capital cost: $ 4,165,419
- O & M: $ 7,435,822
- Site Closeout Documentation: $ 22,635
- Total present worth: $ 11,623,876

Appendix M 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 MMRCT and the public.

10.4.2.5 Alternative 5 – Focused Extraction with Two Wells (In-Plume & Leading Edge), Monitored Natural Attenuation and Land-Use Controls

Alternative 5 would provide for pumping and treatment of the plume, monitoring, and maintaining land-use controls. The concept for Alternative 5 is leading edge and in-plume extraction, treatment at new MTUs located near the existing J-2 North treatment facilities on Wood Road, and infiltration of the treated water at expanded J-2 North infiltration trenches. The simulated extraction wells include one new extraction well (125 gpm) located within the highest concentrations in plume and one new extraction well (125 gpm) located downgradient at the leading edge of the plume (Figure 10-1) (Table 10-1). The leading edge well (J1NA3EW1) would likely be installed and begin operation when the plume migrated to that position; approximately 2014, based on the modeling animations. Active treatment of the plume would remove perchlorate and RDX from the extracted groundwater and return the treated water to the aquifer. This alternative includes the option of modifying the system to optimize the ETI system performance.

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 future exposure. Groundwater monitoring would continue for two years after risk-based concentrations are achieved to ensure that plume concentrations remain below those levels. The monitoring wells and other subsequent 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

The groundwater model indicates for Alternative 5, perchlorate concentrations would decrease below 15 µg/L by approximately 2017, below 2 µg/L by approximately 2035 and background concentrations (0.35 µg/L) by approximately 2048. RDX concentrations would decrease below the 10^{-5} risk based level of 6 µg/L by approximately 2024, the HA of 2 µg/L by approximately 2037, the 10^{-6} risk-based concentration of 0.6 µg/L by approximately 2047, and background concentrations (0.25 µg/L) by 2059 (Table 10-2).

Compliance with 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 decrease due to natural attenuation processes, which are also 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. The total perchlorate mass simulated within the model is 9.8 Kg and the total RDX mass simulated in the model is 3.8 Kg. Model-predicted mass capture for Alternative 5 from 2010 to 2034 (estimated operational time) is approximately 8.9 Kg of perchlorate and 2.3 Kg of RDX.

Short-Term Effectiveness

There would be little effect on the community other than transportation of construction materials and equipment because most activity is on-post. There would be an effect on the workers from implementing Alternative 5 because of the construction work (i.e. ETI system construction, monitoring well construction, and decommissioning) and operations and maintenance activities. There are additional risks to workers from unexploded ordnance within the Impact Area particularly while installing underground pipelines and electrical lines.

A site-specific Health and Safety Plan would be followed during system construction 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. Although no treatment systems have been built in the Impact Area.

To the extent feasible, previously disturbed areas would be utilized for the installation of wells, infiltration trenches, subsurface piping, power lines, and the MTUs to minimize impact on cultural and natural resources. However, some temporary disturbance the vegetation would be necessary during installation of the treatment system.

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. Maintenance of facilities downrange of a small arms firing range would require detailed coordination to ensure safe operation.

The Massachusetts Army National Guard's Revised Limited Authorization for Lead Ammunition Training (AO2, Appendix C) at Tango, Juliet, and Kilo Ranges, is

conditioned on such coordination and specifically provides that investigation and cleanup take priority in the event of a conflict.

Cost

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

- Capital cost: $ 4,029,838
- O & M: $ 10,618,541
- Site Closeout Documentation: $ 24,518
- Total present worth: $ 14,358,898

Appendix M 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 MMRCT and the public.

10.4.2.6 Alternative 6 –Focused Extraction with Five Wells, Monitored Natural Attenuation and Land-Use Controls

Alternative 6 would provide for pumping and treatment of the J-1 Range North plume, monitoring, and maintaining land-use controls. The concept for Alternative 6 is in-plume extraction in order to reduce perchlorate concentrations below 2 µg/L and RDX concentrations below 0.6 µg/L within ten years, treatment at five MTUs located along Chadwick Road and infiltration trenches located along Chadwick Road. The conceptualized extraction wells include five new extraction wells, each pumping 125 gpm (Figure 10-1) (Table 10-1). Active treatment of the plume would remove perchlorate and RDX from the extracted groundwater and return the treated water to the aquifer. This alternative includes the option of modifying the system to optimize the ETI system performance.

This alternative would include for chemical and hydraulic monitoring of the plume and treatment system as long as active remediation continues (under the system performance monitoring plan), and chemical monitoring of the aquifer after the system is turned off to ensure that perchlorate concentrations have decreased below risk based concentrations. Land-use controls would minimize potential future exposure. Groundwater monitoring would continue for two years after risk-based concentrations are achieved to ensure that plume concentrations remain below those levels. The monitoring wells and other subsequent 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

Perchlorate concentrations are estimated to decrease below 15 by approximately 2017, 2 µg/L by approximately 2020 and background concentration (0.35 µg/L) by approximately 2035. RDX concentrations are estimated to decrease 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 concentration of 0.6 µg/L by approximately 2020, and background concentrations (0.25 µg/L) by 2026 (Table 10-2).

Compliance with Regulations

Alternative 6 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 decrease due to natural attenuation processes, which are also 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. Alternative 6 was not simulated in the groundwater model and therefore the mass capture can only be estimated. Alternative 6 will likely provide greater initial mass capture than Alternative 3, 4, and 5 because of the greater initial hydraulic stress and extraction wells within the plume but the short operational time for Alternative 6 limits the amount of mass extracted from the plume.

Short-Term Effectiveness

There would be little effect on the community other than transportation of construction materials because all activity is on-post. There would be some effect on the workers from implementing Alternative 6 because of the construction work (i.e. ETI system construction, monitoring well construction, and decommissioning) and operation and maintenance activities. There are additional risks to workers from unexploded ordnance

within the Impact Area particularly while installing underground pipelines and electrical lines.

A site-specific Health and Safety Plan would be followed during system construction 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. Although no treatment systems have been built in the Impact Area.

To the extent feasible, previously disturbed areas would be utilized for the installation of wells, infiltration trenches, subsurface piping, power lines, and the MTUs to minimize impact on cultural and natural resources. However, more disturbance to the vegetation would be necessary during installation of the treatment system.

Implementability

Administratively, this alternative would be feasible. However, given the number of wells and pumping rates, there would be more technical implementability challenges to obtain the performance estimates for Alternative 6. 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. Maintenance of facilities downrange of a small arms firing range would require detailed coordination to ensure safe operation.

The Massachusetts Army National Guard's Revised Limited Authorization for Lead Ammunition Training (AO2, Appendix C) at Tango, Juliet, and Kilo Ranges, is conditioned on such coordination and specifically provides that investigation and cleanup take priority in the event of a conflict.

Cost

The present worth costs were estimated for Alternative 6 as follows:

- Capital cost: $ 7,031,958
- O & M: $ 12,669,328
- Site Closeout Documentation: $ 51,528
- Total present worth: $ 19,752,815

Appendix M provides detailed calculations of the cost of Alternative 6.

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 MMRCT and the public.

10.5 Southern Area Feasibility Study

The following sections provide the J-1 Range southern groundwater modeling activities and results, a description of each alternative, and a detailed analysis of the alternatives.

The conceptual design for the pump and treat components of Alternatives 3, 4, and 5 is shown in Figure 9-2. All of the water extracted from the plume was anticipated to be treated at the location of the existing J-1 Range MTU. The treated water would then be returned to the aquifer either through the existing infiltration trench (Alternatives 3 and 4) or divided between an expansion to the existing infiltration trench and a new, conceptual infiltration trench located along the MMR boundary north of the existing MTU (Alternative 5). The specific method and placement of returning the treated water to the aquifer will be determined during the wellfield design effort if the selected remedy is Alternative 4 or 5.

10.5.1 Southern Area Feasibility Study Groundwater Modeling

Groundwater modeling was used to predict the fate and transport of RDX in the plume for each alternative. The 2009 J-1 Range southern groundwater model (Appendix J) and the J-1 Range southern 2010 RDX plume shell (Appendix L) was used. The J-1 Range south total RDX mass (dissolved and adsorbed) accounting for all concentrations simulated within the model is 0.76 Kg.

Each J-1 Range southern model simulation as initialized in 2010.75 (date of the plume shell) and ended in 2110. The estimated time of the site decision is 2010.5 and the estimated start-up of any additional remedial components is approximately one year later (2011.5). For all of the alternatives, the existing ETI system will be simulated at current operating conditions from 2010 to 2010.5 to continue current operation conditions until a final site decision is made. For Alternatives 1 and 2, no active treatment was simulated after 2010.5. Alternatives 1 and 2 have the same pumping stress (i.e. only the influence of adjacent public water supply wells and neighboring remedial systems) and, thus, only Alternative 1 was simulated. The extraction well locations, screen lengths, flow rates, and timing of the changing hydraulic stresses used in each alternative are summarized in Table 10-3. All model runs incorporate other nearby operating remedial system components (i.e. J-3, J-2, FS-12, J. Braden Thompson system) and water supply wells that are within the model domain. The Sandwich water supply wells GP Well No. 4, GP Well No. 6, and GP Well No. 10, the MMR water supply Well J, and the Upper Cape Water Supply Cooperative Well No. 1 are within the J-1 Range model domain and are simulated in the model at average operating conditions (i.e. 89.6 gpm, 136.6 gpm, 230.2 gpm, 90 gpm, and 147.6 gpm, respectively) (Jacobs 2005).

J-1 Range southern feasibility study animations illustrate the future fate of the RDX plume for each alternative (Animations 10-13 through 10-16). The estimated restoration time for each alternative was determined from model-predictions for restoration of the higher conductivity deposits (refer to Section 3.3).

The mass captured by operation of the existing system (0.84 Kg) from October 2007 through December 2009 and the model-predicted mass capture from January 2010 to June 2010 (0.006 Kg) will not be considered in evaluation of the alternatives because they occur prior to the final decision. The mass capture estimates considered for evaluation of the alternatives as based on mass captured through the extraction well during the estimated operation time. The estimated operation time is from 2010.5 (final site decision) to the estimated extraction well shutoff year. For the existing extraction well in the J-1 Range southern plume the estimated shutoff time is when the RDX concentrations immediately upgradient of the extraction well decrease below 2 µg/L. For the new extraction wells the estimated shutoff time is when extraction well influent RDX concentrations are predicted to fall below the method detection limit (0.25 µg/L).

10.5.2 Detailed Analysis of Southern Area 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.

10.5.2.1 Alternative 1 – No Further Action

Under the no further action alternative, treatment and/or monitoring would not be conducted and the monitoring wells, associated with J-1 Range South plume would be abandoned

Overall Protection of Human Health and the Environment

Alternative 1 would not prevent the migration of the plume, and although residences in the area are believed to be on town water, Alternative 1 offers no monitoring or confirmation of existing land-use controls to ensure that future exposures do not occur. RDX concentrations are expected to drop below the HA of 2 µg/L by 2032 and the 10^{-6} risk-based level of 0.6 µg/L by 2050 due to natural processes (dilution, dispersion, and sorption). Background concentrations (0.25 µg/L) could be achieved by 2074. However, without monitoring or land-use controls, Alternative 1 would not ensure protectiveness or verify that cleanup levels were met.

Compliance with 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 2050. Because this alternative takes no action, there are no location-specific or action-specific regulations to be met.

Long-Term Effectiveness and Permanence

In this Alternative, concentrations of RDX in the plume are expected to permanently decrease to below 2 µg/L and 0.6 µg/L through natural attenuation by 2032 and 2050 respectively. Because no further contribution from the source area is likely, this Alternative is expected to be permanent. 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 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, workers or natural resources from implementing Alternative 1 because no construction work would be involved other than abandonment of wells and other infrastructure. A site-specific HASP would be followed during well abandonment.

Implementability

Alternative 1 would require no technical implementation other than discontinuation of treatment and infrastructure abandonment which has been done successfully many times at MMR. Administratively, this alternative is feasible.

Cost

The costs are estimated for Alternative 1 as follows:

- Capital cost: $ 38,444
- O&M: $ 0
- Site closeout documentation: $ 72,765
- Total present worth: $ 111,209

Appendix M 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 MMRCT and the public.

10.5.2.2 Alternative 2 – Monitored Natural Attenuation with Land-Use controls

No extraction and treatment would occur with this alternative. This alternative would provide for long-term monitoring of the J-1 Range southern groundwater to ensure that natural attenuation was progressing toward cleanup levels and for land-use controls to minimize human exposure to groundwater.

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 concentrations of COCs in the groundwater attain cleanup levels.

The monitored natural attenuation would involve periodic analysis of groundwater for explosives to measure the natural attenuation of the contaminated groundwater, determining when RDX concentrations have decreased below risk based concentrations. 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 would be discontinued and infrastructure 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 although the area of plume migration is unavailable as a public drinking water supply because of development. Monitoring and land-use controls would be implemented to prevent exposure to contamination. RDX concentrations would decrease below the 10^{-5} risk based level of 6 µg/L by approximately 2019 , the HA of 2 µg/L by approximately 2032, the 10^{-6} risk-based level of 0.6 µg/L by approximately 2050, and background concentrations (0.25 µg/L) by 2074 due to natural processes (Table 10-4).

Compliance with Regulations

Alternative 2 would comply with applicable regulations. Because the plume is expected to naturally attenuate to 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, concentrations of RDX in the plume are expected to permanently be reduced to risk based concentrations through natural processes by 2050. Because no further contribution from the source area is likely, this alternative is expected to be permanent. 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, 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

No 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 will be some impacts to the community through installation of monitoring wells and groundwater sampling activities. A site-specific HASP would be followed during long-term groundwater monitoring.

Implementability

Groundwater monitoring associated with the J-1 Range South plume would continue, subject to periodic optimization, using the same sampling and analytical protocols currently in use. Administratively, this alternative is feasible. Access agreements with private landowners may be necessary for future monitoring well installation and sampling.

Cost

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

- Capital cost: $ 687,904
- O & M: $ 843,926
- Site Closeout Documentation: $ 23.766
- Total present worth: $ 1,555,596

Appendix M provides detailed calculations of the costs 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 MMRCT and the public..

10.5.2.3 Alternative 3 –Focused Extraction with One Well, Monitored Natural Attenuation and Land-Use Controls

Alternative 3 would provide for the continued treatment of the plume, and maintaining land-use controls. The existing ETI system would operate at an optimized rate of approximately 45 gpm. This alternative includes the option of modifying the system to optimize the ETI system performance.

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 concentrations of COCs in the groundwater attain cleanup levels.

This alternative would include chemical and hydraulic monitoring of 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 RDX concentrations have decreased below risk based concentrations. Groundwater monitoring would continue after risk based concentrations are achieved to ensure that plume concentrations remain below those 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 RDX concentrations would decrease below the 10^{-5} risk-based level of 6 µg/L by approximately 2019, the HA of 2 µg/L by approximately 2032, the 10^{-6} risk-based concentration of 0.6 µg/L by approximately 2048 and background concentrations (0.25 µg/L) by 2071.

Compliance with 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 RDX from groundwater. The remaining contamination would continue to decrease 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 RDX. The total RDX mass simulated in the model is 0.76 Kg. Approximately, 0.08 Kg of RDX would be removed from estimated time from the site decision to the shutdown time.

Short-Term Effectiveness

There will be impacts to the community through installation of monitoring wells and groundwater sampling activities. There would be some effect on the workers during monitoring well construction, sampling, and decommissioning.

A site-specific Health and Safety Plan would be followed during system construction and monitoring where engineering controls and Personal Protective Equipment would be used as necessary. To date, health and safety precautions for construction activities, groundwater sampling, and drilling have been adequate to protect workers.

Implementability

Administratively, this alternative would be feasible. 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.

Access agreements with private landowners may be necessary for future monitoring well installation and sampling.

Cost

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

- Capital cost: $ 573,959
- O & M: $ 2.002,594
- Site Closeout Documentation: $ 25,067
- Total present worth: $ 2,601,620

Appendix M 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 MMRCT and the public.

10.5.2.4 Alternative 4 – Focused Extraction with Two Wells, Monitored Natural Attenuation and Land-Use Controls

Alternative 4 would provide for the continued treatment of the plume at the installation boundary, additional downgradient treatment, monitored natural attenuation and land-use controls. The concept for Alternative 4 is treatment of the plume using the existing system at the MMR boundary and supplementing it with downgradient extraction at a location that can be feasibly implemented. The accompanying animations simulate an extraction well located near the intersection of Lady Slipper Lane and Lichen Lane (Figure 10-2) (Table 10-3). The total flow of the system is 125 gpm and would be treated at the existing J-1 Range MTU and returned to the aquifer through the existing infiltration trench. This alternative includes the option of modifying the system to optimize the J-1 Range ETI system performance.

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 concentrations of COCs in the groundwater attain cleanup levels.

This alternative would also include chemical and hydraulic monitoring of 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 RDX concentrations have decreased below risk-based concentrations. Groundwater monitoring would continue for two years after risk-based concentrations are achieved to ensure that plume concentrations remain below those levels. The monitoring wells and other subsurface 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 for Alternative 4, RDX concentrations would decrease below the 10^{-5} risk based level of 6 µg/L by approximately 2016, the HA of 2 µg/L by approximately 2019, below the 10^{-6} risk-based concentration of 0.6 µg/L by approximately 2024, and background concentrations (0.25 µg/L) by 2030 (Table 10-4).

Compliance with 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 RDX from groundwater. The remaining contamination would continue to decrease 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 RDX. The total RDX mass simulated in the model is 0.76 Kg. Model-predicted mass capture for Alternative 4 from the estimated time for the site decision to the shutdown time is approximately 0.58 Kg of RDX.

Short-Term Effectiveness

There would be some effect on the community and workers from implementing Alternative 4 since construction would occur within a residential neighborhood. There would be short-term impacts during installation of the extraction well 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 Health and Safety Plan would be followed during system construction where engineering controls and personal protective equipment would be used as

necessary. To date, health and safety precautions for construction activities, 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 and subsurface piping to minimize impact on cultural and natural resources. However, some temporary disturbance of natural resources would be necessary during installation of the subsurface piping.

Implementability

Administratively, this alternative would be feasible. Installation of the extraction well and piping would be technically feasible. However. construction in a residential neighborhood will require extra safety precautions, coordination with the community and school system, impact to roads and personal property and access agreements with private landowners and the Town of Sandwich.

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: $ 1,226,760
- O & M: $ 3,613,646
- Site Closeout Documentation: $ 49,016
- Total present worth: $ 4,889,422

Appendix M 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 MMRCT and the public.

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

Alternative 5 would provide for the continued treatment of the plume, additional mid-plume and downgradient treatment, monitoring and land-use controls. The concept for

Alternative 5 is extensive in-plume extraction, in order to reduce RDX concentrations below risk based levels within ten years (regardless of potential implementability challenges), treatment at MTUs located at the MMR boundary, and infiltration trenches located north and south of the plume along the MMR boundary. The simulated extraction wells include two new downgradient wells (Figure 10-2) (Table 10-3). The total flow of the simulated system is 250 gpm and would be treated at the existing J-1 Range MTU and an additional MTU with a 125 gpm capacity. This alternative includes the option of modifying the system to optimize the ETI system performance.

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 concentrations of COCs in the groundwater attain cleanup levels.

This alternative would also 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 RDX concentrations have decreased below risk-based concentrations. Land-use controls would minimize potential future exposure. Groundwater monitoring would continue for two years after risk based concentrations are achieved to ensure that plume concentrations remain below those levels. The monitoring wells and other subsurface 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 for Alternative 5 RDX concentrations are predicted to decrease below the 10^{-5} risk based level of 6 µg/L by 2015, the HA of 2 µg/L by approximately 2018, below the 10^{-6} risk-based concentration of 0.6 µg/L by approximately 2022, and background concentrations (0.35 µg/L) by approximately 2028 (Table 10-4).

Compliance with 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 RDX from groundwater. The remaining contamination would continue to decrease 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 RDX. The total RDX mass simulated in the model is 0.76 Kg. Model-predicted mass capture from the estimated time from the site decision to the shutdown time is approximately 0.56 Kg of RDX.

Short-Term Effectiveness

There would be a significant 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, piping, infiltration trench, and the MTU. 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 Health and Safety Plan would be followed during system construction where engineering controls and Personal Protective Equipment would be used as necessary. To date, health and safety precautions for construction activities, 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, subsurface piping, and the MTU to minimize impact on cultural and natural resources. However, some disturbance of natural resources would be necessary during installation of the infiltration trench, subsurface piping, and MTU including some vegetation in the neighborhood.

Implementability

Installation of the extraction well and piping would be technically feasible. 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.

There would be significant administrative implementability concerns for Alternative 5. Based on the density of existing development off-post, it is extremely unlikely that private property access, needed for optimal placement of J1SA5EW1, would be obtained. Attempts to obtain access to private property in this area have been repeatedly unsuccessful. Access agreements with private landowners may be necessary for future monitoring well installation and sampling.

Cost

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

- Capital cost: $ 2,180,213
- O & M: $ 3,497,716
- Site Closeout Documentation: $ 51,498
- Total present worth: $ 5,729,427

Appendix M 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 MMRCT and the public.

11.0 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.

11.1 Northern Area

For reference, a brief description of each alternative follows:

- Alternative 1 – No Further Action. Monitoring wells would be abandoned and site closeout documentation would be completed.
- Alternative 2 – Monitored Natural Attenuation with Land-Use Controls. Alternative 2 includes source area removal, long-term groundwater monitoring and land-use controls.
- Alternative 3 – Focused Extraction with One Well, Monitored Natural Attenuation and Land-Use Controls. Alternative 3 includes source area removal, construction of one extraction well, 2,100 feet of piping, an MTU, and an infiltration trench. The flow rate of the system would be 125 gpm. This alternative was evaluated using two different operational scenarios for the extraction well: Alternative 3a) the extraction well operates until the influent concentrations decrease below the method detection limit and Alternative 3b) the extraction well operates until 2030. IX and GAC media would be used to treat the extracted water.
- Alternative 4 – Focused Extraction with Two Wells (In-Plume), Monitored Natural Attenuation and Land-Use Controls. Alternative 4 includes source area removal, construction of two extraction wells, 3,500 feet of piping, two MTUs, and two infiltration trenches. The flow rate of the system would be 250 gpm. This alternative was evaluated using two different operational scenarios for the extraction wells: Alternative 4a) the extraction wells operate until the influent concentrations decrease below the method detection limit and Alternative 4b) the upgradient extraction well (J1N5AEW1) was turned off in 2015 and the downgradient extraction well (J1NA5EW2) turned off in 2023. IX and GAC media would be used to treat the extracted water.
- Alternative 5 – Focused Extraction with Two Wells, Monitored Natural Attenuation and Land-Use Controls. Alternative 5 includes source area removal, construction of two extraction wells, 6,900 feet of piping, two MTUs located next the J-2 treatment plant, and two infiltration trenches located near the J-2 infiltration trenches along Wood Road. The flow rate of the system would be 250 gpm IX and GAC media would be used to treat the extracted water.
- Alternative 6 – Focused Extraction Wells (In-Plume), Monitored Natural Attenuation and Land-Use Controls. Alternative 6 includes source area removal, construction of five extraction wells, 4,305 feet of piping, MTUs, and infiltration trenches. The flow rate of the system would be 625 gpm IX and GAC media would be used to treat the extracted water.

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

11.1.1 Overall Protection of Human Health and the Environment

Alternatives 2 through 6 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 through 6 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	2027	2053	>2109	2024	2080
2	2027	2053	>2109	2024	2080
3a	2025	2038	2048	2018	2042
3b	2025	2040	2051	2018	2043
4a	2019	2027	2035	2023	2037
4b	2020	2031	2050	2024	2045
5	2024	2037	2047	2017	2035
6	2014	2018	2020	2017	2020

11.1.2 Compliance with Regulations

All alternatives are eventually expected to result in compliance with applicable regulations. Alternatives 1 and 2 allow for continued migration of the plume. Because these alternatives involve no active remediation, chemical-specific regulations would be met only when contaminant concentrations decrease below the cleanup standards by natural attenuation. Alternative 2 includes monitoring to confirm this occurs; Alternative 1 does not. Alternative 3, 4, 5, and 6 include active treatment to ensure that applicable standards are met.

11.1.3 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 all permanently achieve the cleanup goals; however, time to cleanup would vary. Moreover, Alternatives 3, 4, 5, and 6, which include active treatment of the plume, may result in fewer uncertainties over the long term regarding the fate and transport of the plume.

11.1.4 Reduction of Toxicity, Mobility, or Volume through Treatment

Alternatives 3, 4, 5, and 6 reduce the toxicity, mobility, and volume of contaminated groundwater through treatment. Alternative 3 through 6 would extract various amounts of perchlorate and RDX mass.

- Alternative 3a – 6.0 Kgs of perchlorate and 2.1 Kgs of RDX.

- Alternative 3b – 6.0 Kgs of perchlorate and 1.8 Kgs f RDX.
- Alternative 4a – 7.1 Kgs of perchlorate and 2.5 Kgs of RDX.
- Alternative 4b – 5.6 Kgs of perchlorate and 2.2 Kgs of RDX.
- Alternative 5 – 8.9 Kgs of perchlorate and 2.3 Kgs of RDX.
- Alternative 6 was not simulated in the model and thus there are no model-predicted mass capture values. Alternative 6 will likely provide greater initial mass capture than Alternative 3, 4, and 5 because of the greater initial hydraulic stress and extraction wells within the plume but the short operational time for Alternative 6 limits the amount of mass extracted from the plume.

11.1.5 Short-Term Effectiveness

Alternative 1 would have the least impact on workers because construction is minimal. Alternative 6 would have the greatest impact because of the large amount of construction involved. Alternative 3 through 6 would have the additional risks to workers associated with construction in an Impact Area containing unexploded ordnance.

Alternative 6 would cause the greatest environmental impact to natural resources and includes the installation of five extraction wells, piping, MTUs, and infiltration trenches. Alternatives 3, 4, and 5 would also have some environmental impacts due to construction. Alternative 2 through 6 would have environmental impacts from monitoring well installation, monitoring, and well abandonment. The only environmental impact of Alternative 1 would be from abandonment of the current monitoring-well system.

11.1.6 Implementability

None of the alternatives are limited by administrative feasibility. Alternative 1 is the most easily implemented alternative since it requires no further action other than abandoning groundwater monitoring wells and preparing close out documentation. Alternative 2 is the next most easily implemented alternative with groundwater monitoring and land-use controls implemented. Alternatives 3, 4, 5, and 6 are the most difficult alternatives to implement since they include the installation of extraction well(s), MTU(s), new piping/power lines, and infiltration trench(es) in an environment with the potential for munitions and maintenance of systems down range from small arms firing ranges. The Massachusetts Army National Guard's Revised Limited Authorization for Lead Ammunition Training (AO2, Appendix C) at Tango, Juliet, and Kilo Ranges is conditioned on such coordination and specifically provides that investigation and cleanup take priority in the event of a conflict. Alternative 6 would be the most difficult alternative to implement technically to obtain the cleanup in ten years. .

11.1.7 Cost

The costs of alternatives increase as the amount of treatment increases.

- Alternative 1 - total estimated cost of $ 144,127,
- Alternative 2 - total estimated cost of $ 3,441,151,
- Alternative 3a - total estimated cost of $12,439,320,
- Alternative 3b - total estimated cost of $11,763,660,

- Alternative 4a - total estimated cost of $13,057,684,
- Alternative 4b - total estimated cost of $11,623,876,
- Alternative 5 - total estimated cost of $14,935,898, and
- Alternative 6 – total estimated cost of $19,752,815.

11.1.8 State Acceptance

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

11.1.9 Community Acceptance

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

11.2 Southern Area

For reference, a brief description of each alternative follows:

- Alternative 1 – No Further Action. Treatment operations would be discontinued and monitoring wells and other infrastructure 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 One Well, Monitored Natural Attenuation and Land-Use Controls. Alternative 3 includes source area removal, operation of the existing J-1 Range ETI system. The ETI system would operate at 45 gpm. GAC media would be used to treat the extracted water.
- Alternative 4 – Focused Extraction with Two Wells, Monitored Natural Attenuation and Land-Use Controls. Alternative 4 includes source area removal, operation of the existing J-1 Range ETI system and supplementing it with downgradient extraction at a location that can be feasibly implemented. The extracted water would be treated at the existing J-1 Range MTU and returned to the aquifer through the existing J-1 Range South infiltration trench. The total flow of the ETI system would be 125 gpm.
- Alternative 5 – Focused Extraction with Three Wells, Monitored Natural Attenuation and Land-Use Controls. Alternative 5 includes source area removal, operation of the existing J-1 Range ETI system and supplementing it with mid-plume and downgradient extraction. The extracted water would be treated at the existing J-1 Range MTU and additional MTU. The treated water would be returned to the aquifer through the existing J-1 Range infiltration trench and a new infiltration trench. The total flow of the ETI system would be 250 gpm. GAC media would be used to treat the extracted water.

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

11.2.1 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 through 5 add treatment and achieve risk-based concentrations earlier.

Alternative	Estimated Year for RDX Cleanup Times (year)		
	6 µg/L	2 µg/L	0.6 µg/L
1	2019	2032	2050
2	2019	2032	2050
3	2019	2032	2048
4	2016	2019	2024
5	2015	2018	2022

11.2.2 Compliance with Regulations

All three alternatives are eventually expected to result in compliance with applicable regulations. Alternatives 1 and 2 allow for continued migration of the plume. Because these alternatives involve no active remediation, chemical-specific regulations would be met only when contaminant concentrations decrease below the cleanup standards by natural attenuation. Alternative 2 includes monitoring to confirm this occurs; Alternative 1 does not. Alternatives 3, 4 and 5 include active treatment to ensure that applicable standards are met.

11.2.3 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 all permanently achieve the cleanup goals; however, time to cleanup would vary. Moreover, Alternatives 3, 4, 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.

11.2.4 Reduction of Toxicity, Mobility, or Volume through Treatment

Alternatives 3, 4, and 5 reduce the toxicity, mobility, and volume of contaminated groundwater through treatment. Alternative 3 would extract 0.08 Kg, Alternative 4 would extract 0.58 Kg, and Alternative 5 would extract 0.56 Kg of RDX through use of the extraction wells

11.2.5 Short-Term Effectiveness

Alternative 5 would cause the greatest impact to the environment, community, and workers and includes the installation of two extraction wells, an MTU, and an infiltration trench. Alternative 4 would have a lesser impact but does include a new extraction well and pipeline through a residential community. Impacts to the environment, community, and workers for Alternatives 2 and 3 would be through the installation of monitoring wells. Alternative 1 would have the least impact on the community or workers because construction is minimal.

11.2.6 Implementability

Alternative 1 is the most easily implemented alternative since it requires no further action other than abandoning groundwater monitoring wells and preparing close out documentation. Alternatives 2 and 3 are the next most easily implemented alternatives with groundwater monitoring, O&M of the existing ETI system (for Alternative 3) and land-use controls. Alternative 4 would require installation of an extraction well in a residential neighborhood. Alternative 5 has significant administrative feasibility concerns since it may require access to private property in an area that already rejected previous attempts for access.

11.2.7 Cost

The costs of alternatives increase as the amount of treatment increases.

- Alternative 1 - total estimated cost of $ 111,209,
- Alternative 2 - total estimated cost of $ 1,555,596,
- Alternative 3 - total estimated cost of $ 2,601,620,
- Alternative 4 – total estimated cost of $ 4,889,422, and
- Alternative 5 - total estimated cost of $ 5,729,427.

11.2.8 State Acceptance

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

11.2.9 Community Acceptance

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

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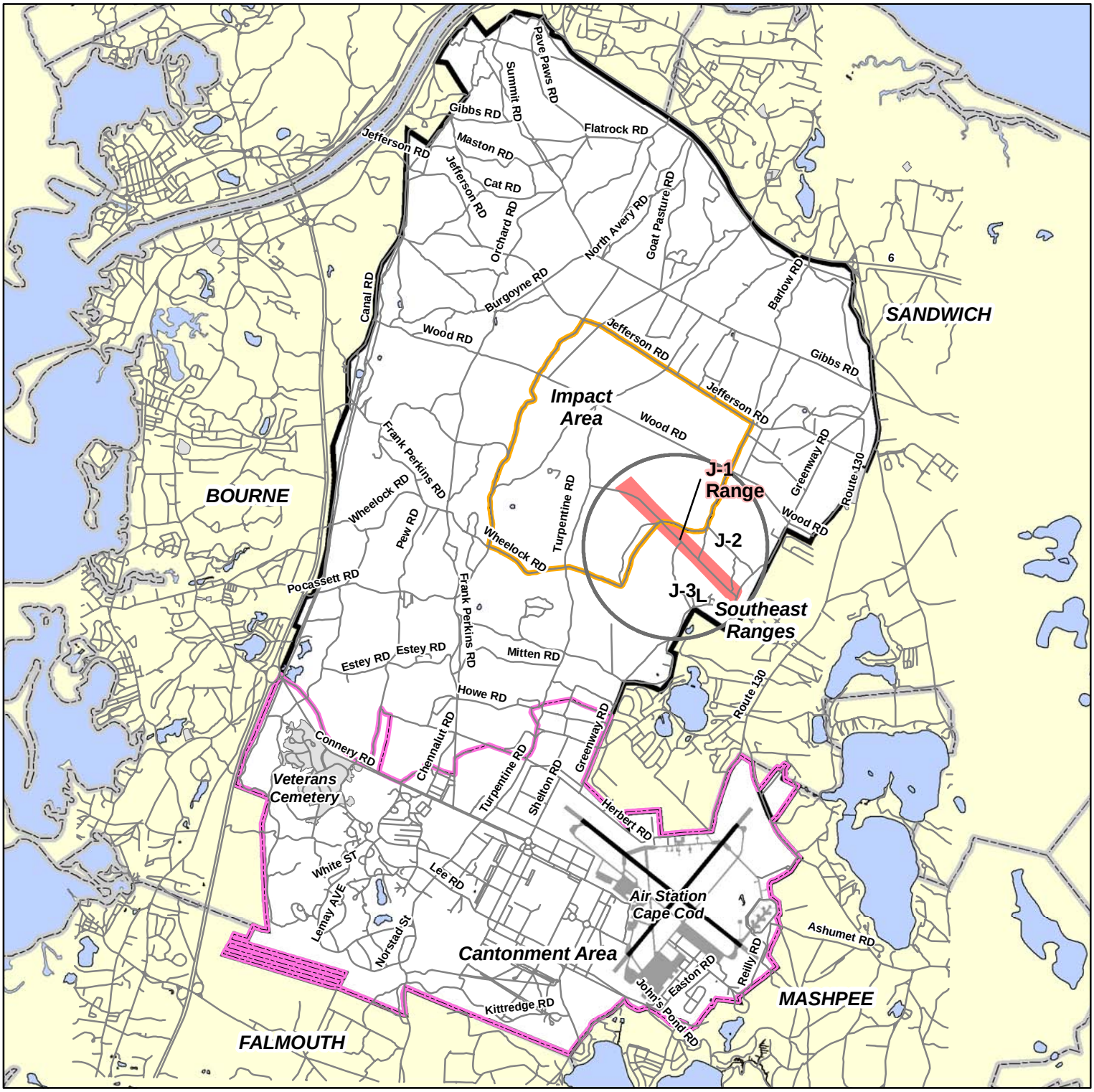
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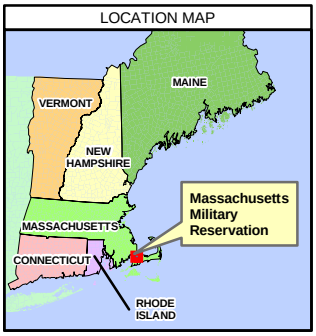
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LEGEND

- J-1 Range
- Impact Area
- Cantonment Area
- Surface Waterbody
- MMR Boundary
- Town Boundary
- Roads

LOCATION MAP



N

0 4,000 Feet

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

MMR J-1 Range Location Map

FIGURE 2-1

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section2\Fig2-1_J1Range_Loc.mxd
November 2008 DWN BY: JYK CHKD BY: DM

Impact Area Groundwater Study Program

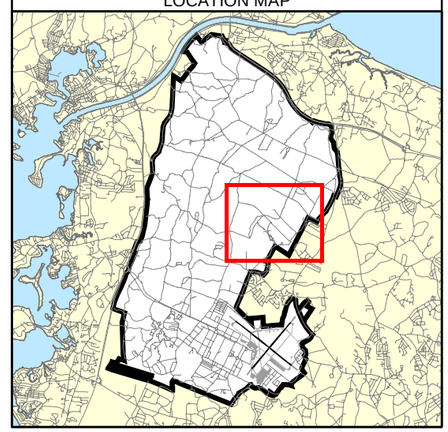


Impact Area Groundwater Study Program

LEGEND

- J-1 Soil RI Study Area Boundaries
- MMR Boundary
- Impact Area Boundary
- Roads

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Soil Study Areas

0 1,400 Feet

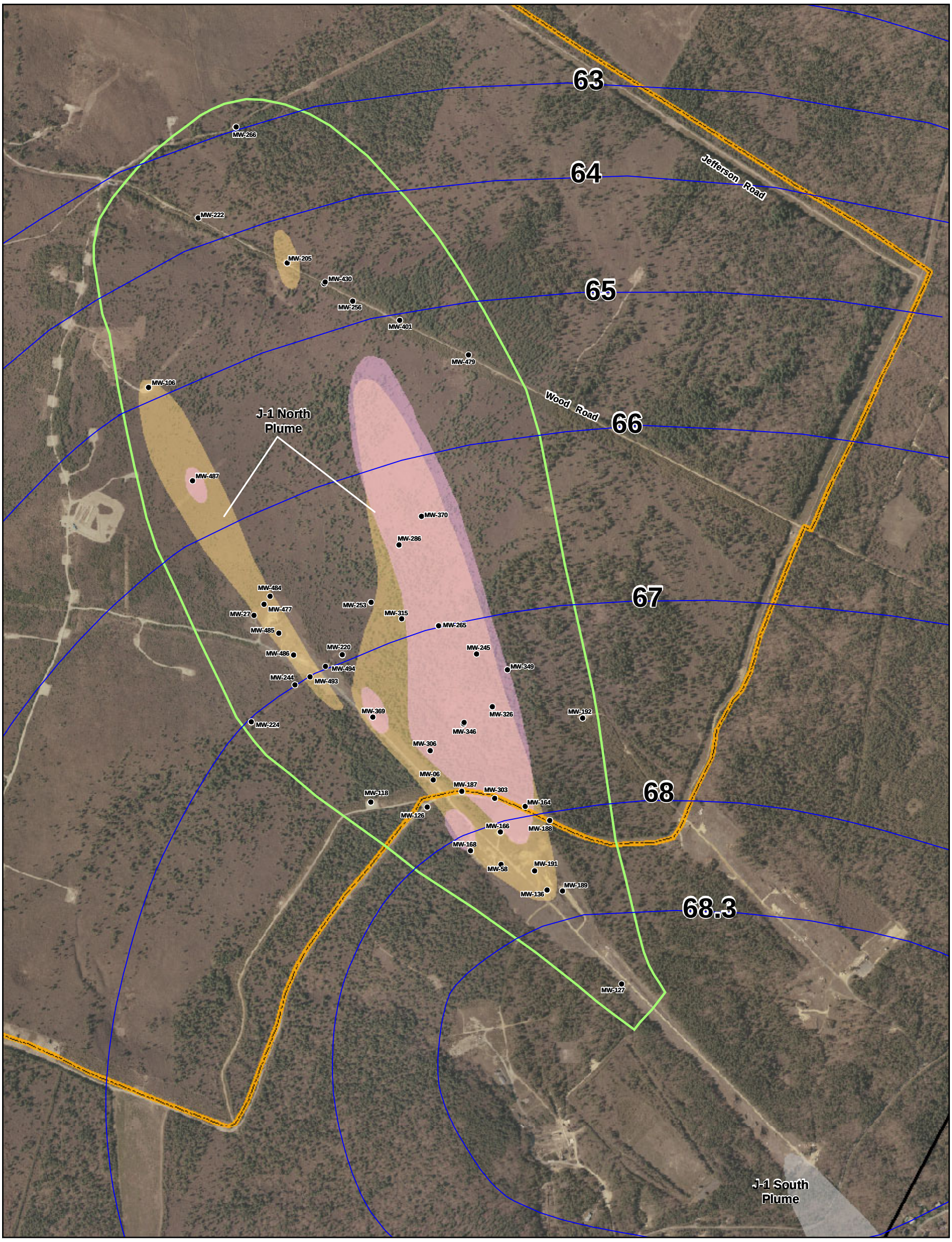
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ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
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FIGURE

2-2



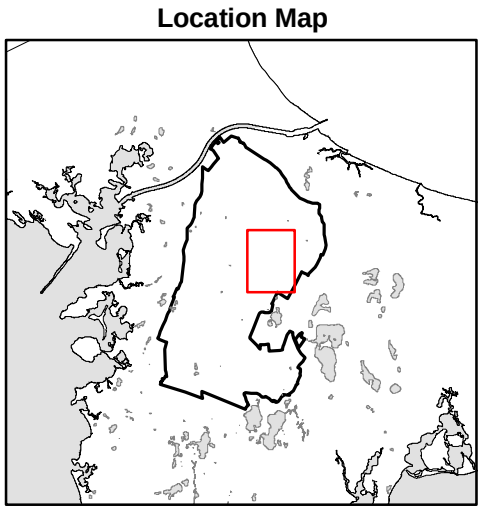
LEGEND

- Monitoring Well
- 68 — 2003 Synoptic Water Table Contour (ft msl)
- Impact Area Boundary
- MMR Boundary
- J-1 North Perchlorate Plume (shown to nondetect)
- J-1 North RDX Plume (shown to nondetect)
- J-1 South RDX Plume (shown to nondetect)
- J-1 Range North Groundwater Study Area

N

0 450 900 Feet

Location Map



J-1 Range North Groundwater Study Area

FIGURE 2-3

Data mapped to UTM Zone 19, map grid units in meters.

Jacobs
Bourne, Massachusetts
Y:\IA_TERC\Projects\35AY53\02\20100708\ArcGIS
j1_north_per_rdx_study_area_final.mxd
July 8, 2010 jpiccuito Checked by Katie Thomas

Impact Area Groundwater Study Program

J-1 North Plume

J-1 South Plume

Greenway Road

WINDSONG ROAD

LITTLE ACORN LANE

MW-131
MW-360
DP-378
DP-391
DP-390
ME-528 (DP-389)
DP-379
DP-507
DP-386
MW-488
MW-398
DP-384
MW-483
MW-482
DP-387
MW-481
DP-504
DP-385
MW-480
MW-524 (DP-508)
90MW0052
MW-521 (DP-498)
MW-522
DP-499
MW-403
DP-505
DP-512
MW-523
MW-400
DP-503
MW-402
MW-527
DP-500
MW-525 (DP-514)
DP-513
MW-526
90WT0010

68.3
68
67

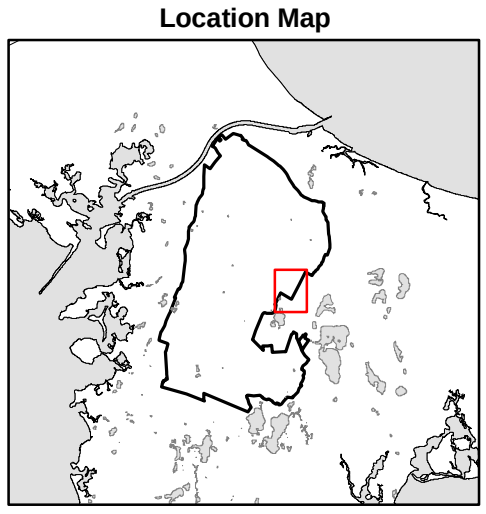
LEGEND

- Monitoring Well
- Drive Point Location (abandoned)
- Extraction Well
- 68 — 2003 Synoptic Water Table Contour (ft msl)
- Impact Area Boundary
- MMR Boundary
- Infiltration Trench
- J-1 South RDX Plume (shown to nondetect)
- J-1 North Plume Composite of RDX and Perchlorate (shown to nondetect)
- J-1 Range South Groundwater Study Area
- Groundwater Treatment Facility

N

0 300 600 Feet

Location Map



J-1 Range South Groundwater Study Area

FIGURE 2-4

Data mapped to UTM Zone 19, map grid units in meters.
Jacobs
Bourne, Massachusetts
Y:\IA_TERC\Projects\35AY53\02\20100708\ArcGIS
j1_south_rdx_gw_study_area_final.mxd
July 8, 2010 jpiccuito Checked by Katie Thomas

Impact Area Groundwater Study Program

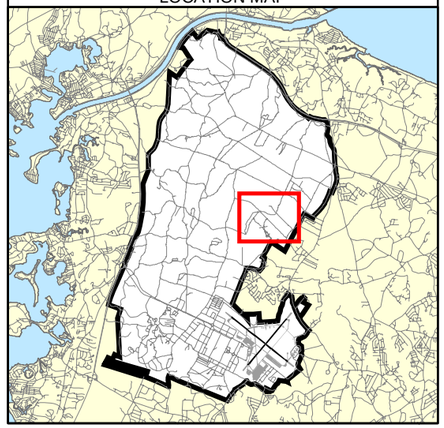


Impact Area Groundwater Study Program

LEGEND

- Depression
- Bunker
- Popper Kettle
- Wastewater Discharge
- Firing Point 3
- Steel-lined Pit
- Mortar Disposal
- 1000 m Range Firing Point
- 100m Range Target
- Firing Point 2
- Mortar Position
- Munitions Disposal Area
- Approx. Location of Water Saw
- Range Tower
- Berms
- Roads
- J-1 Soil RI Study Area Boundaries
- Impact Area Boundary
- J-1 Range Grids

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Layout

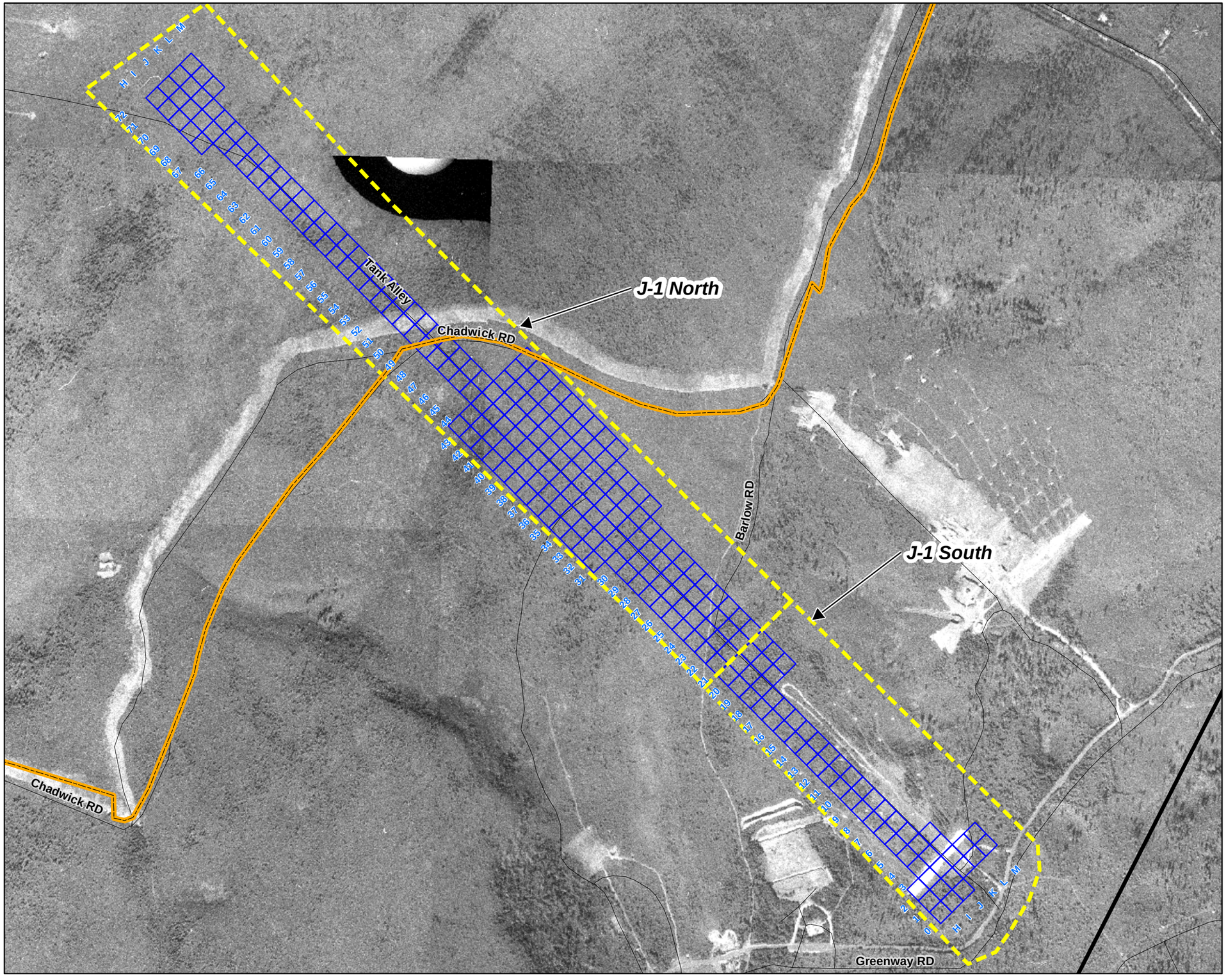
0 800 Feet

N

ECC MMR
Cape Cod, Massachusetts

FIGURE 2-5

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section2\Fig2-5_J1Range_Layout.mxd
April 2010 Drawn by JYK Checked by MJG

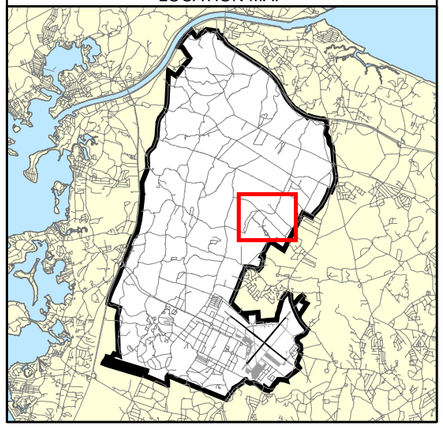


Impact Area Groundwater Study Program

LEGEND

- J-1 Soil RI Study Area Boundary
- J-1 Range Grids
- MMR Boundary
- Impact Area Boundary
- Roads

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Aerial Photograph 1955

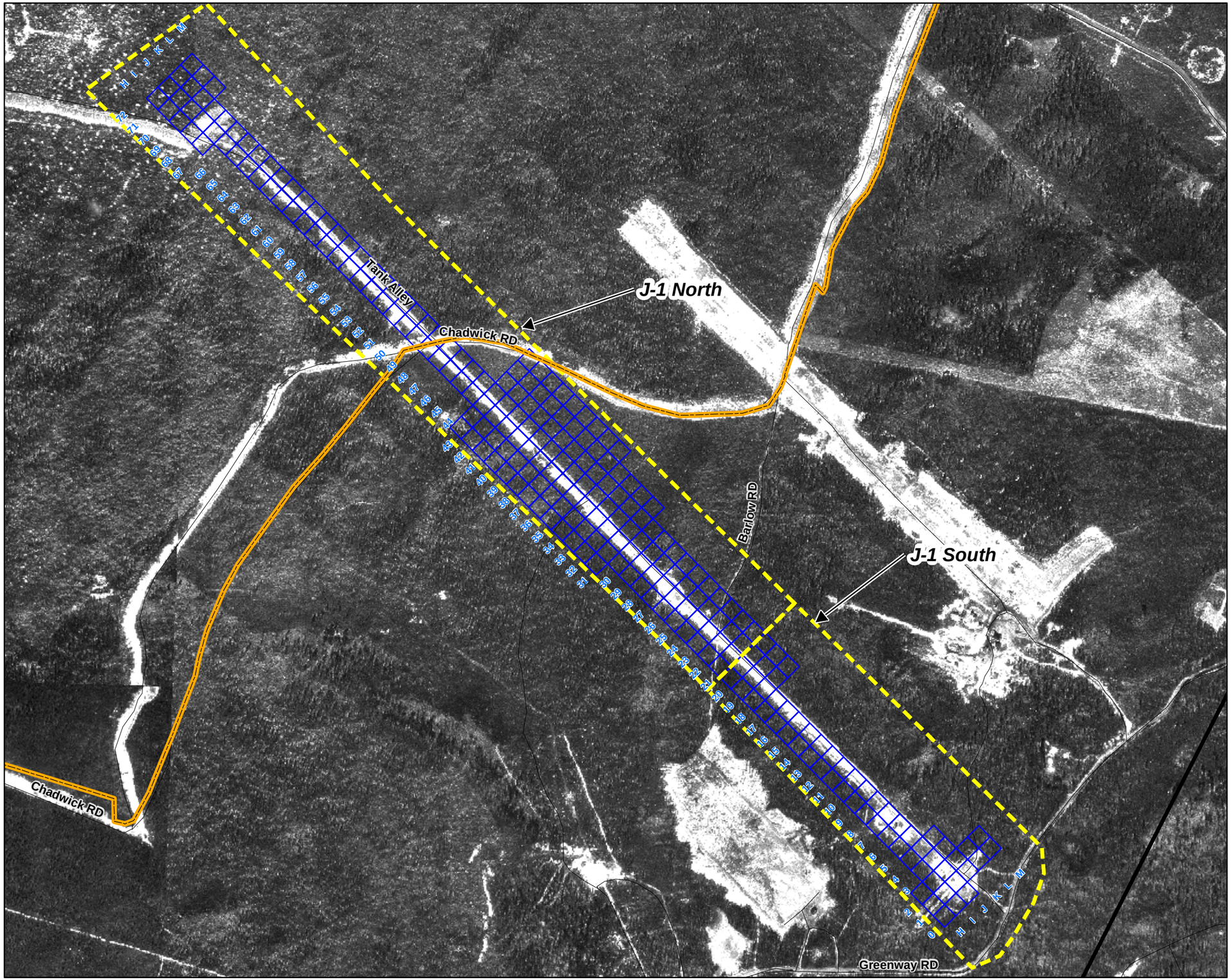
0 800 Feet

N

ECC MMR
Cape Cod, Massachusetts

ECC G IS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section2\Fig2-6_J1Range_1955.mxd
November 2008 D rawn by JYK C hecked by PF

FIGURE
2-6

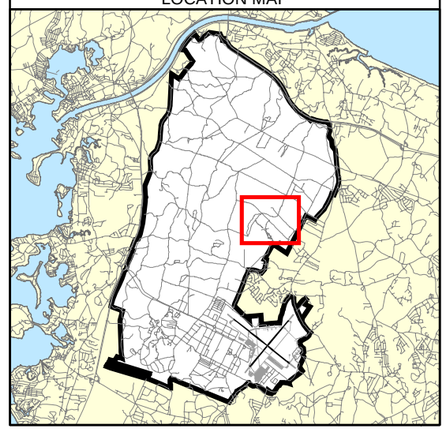


Impact Area Groundwater Study Program

LEGEND

- J-1 Soil RI Study Area Boundary
- J-1 Range Grids
- MMR Boundary
- Impact Area Boundary
- Roads

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Aerial Photograph 1966

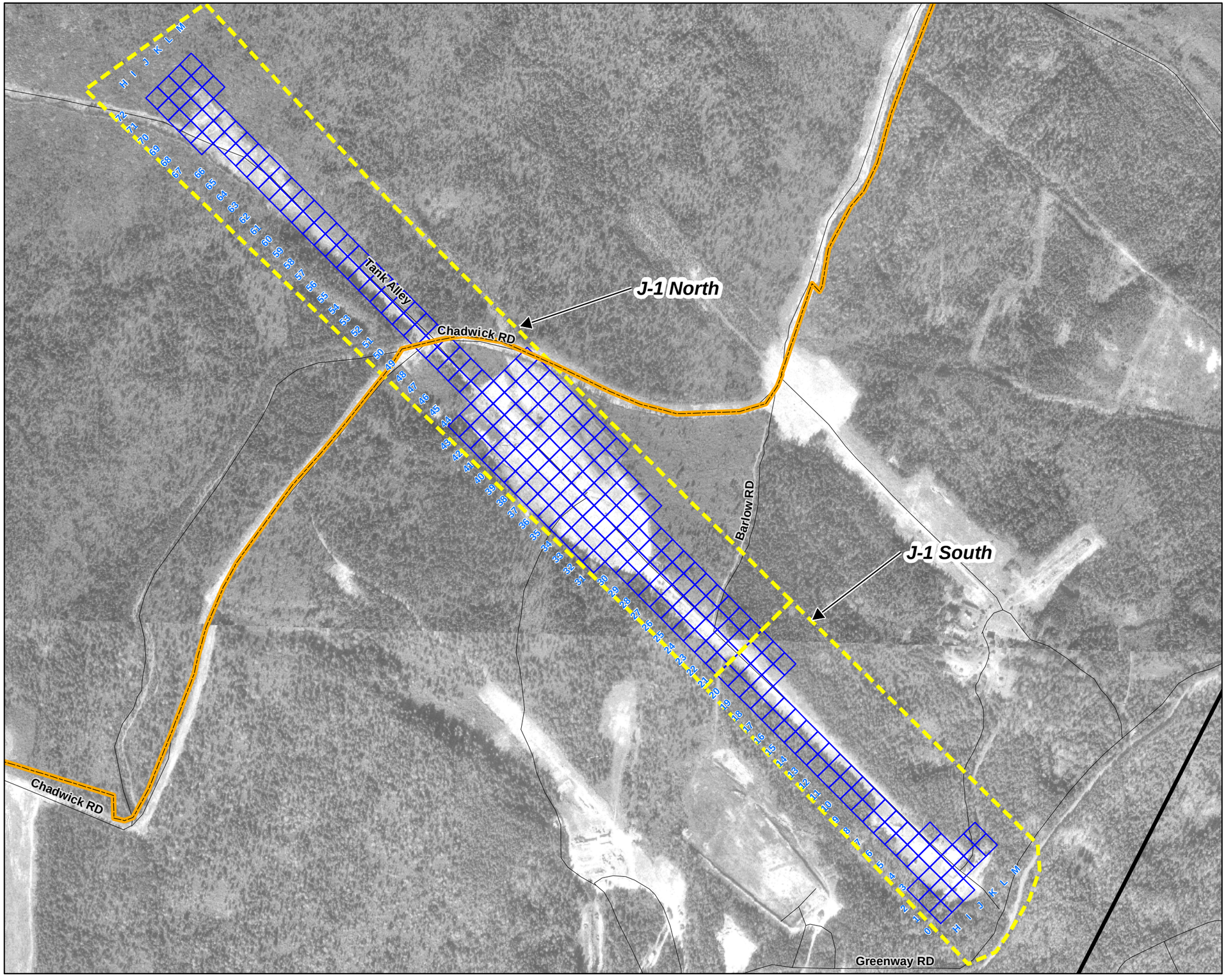
0 800 Feet

N

ECC MMR
Cape Cod, Massachusetts

ECC G IS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section2\Fig2-7_J1Range_1966.mxd
November 2008 D rawn by JYK C hecked by PF

FIGURE
2-7

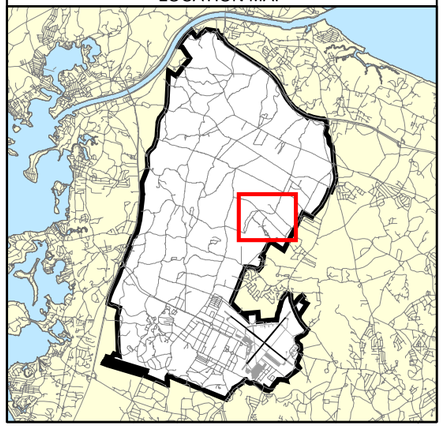


Impact Area Groundwater Study Program

LEGEND

- J-1 Soil RI Study Area Boundary
- J-1 Range Grids
- MMR Boundary
- Impact Area Boundary
- Roads

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Aerial Photograph 1977

0 800 Feet

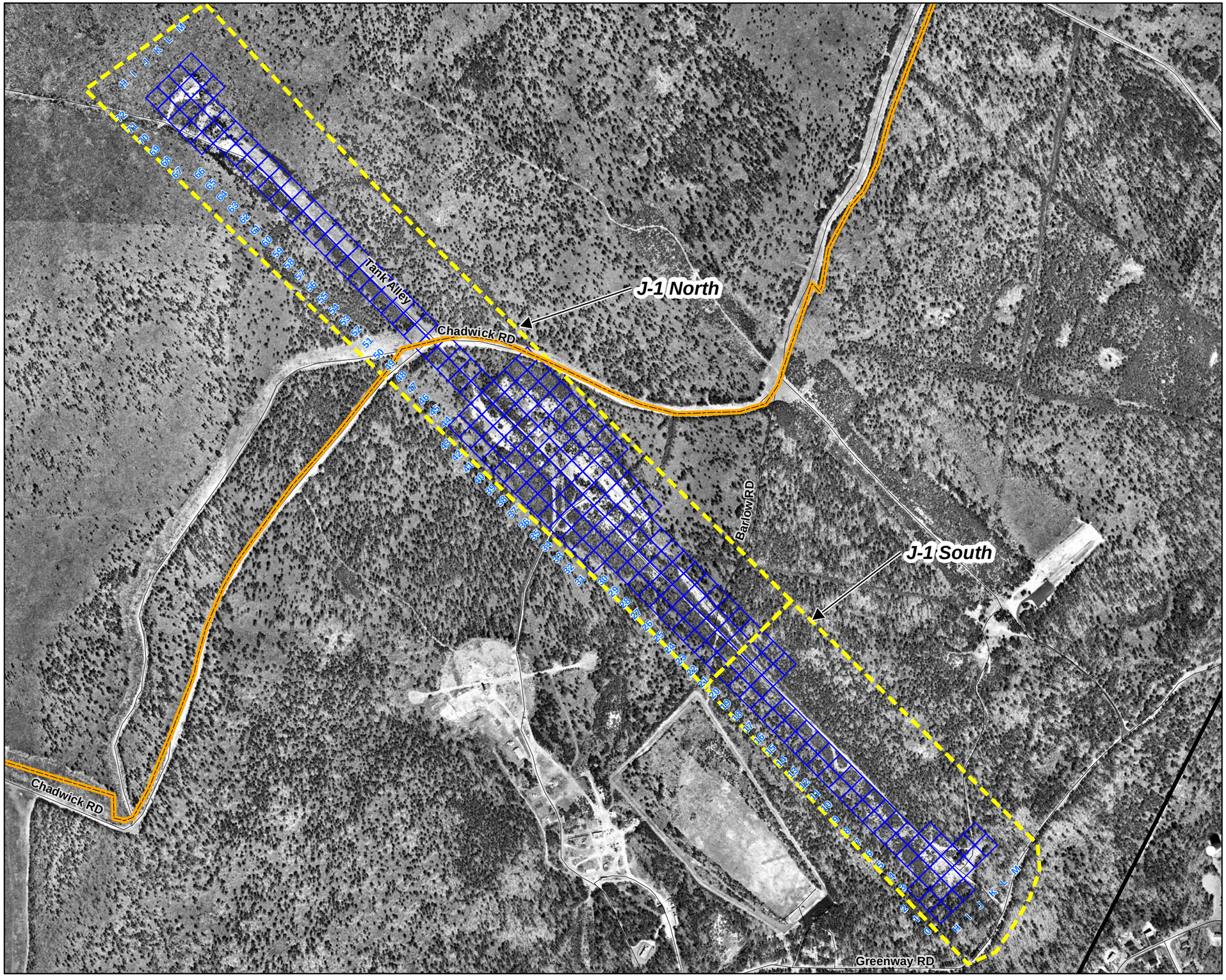
N

ECC MMR
Cape Cod, Massachusetts

FIGURE

2-8

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section2\Fig2-8_J1Range_1977.mxd
November 2008 Drawn by JYK Checked by PF

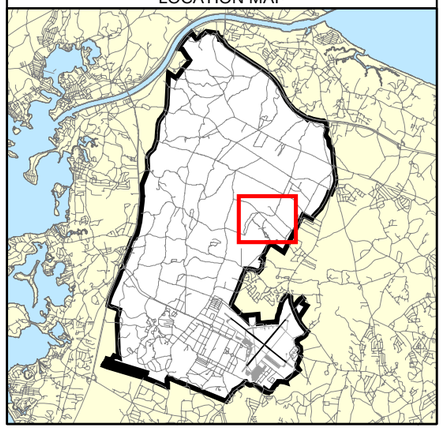


Impact Area Groundwater Study Program

LEGEND

- J-1 Soil RI Study Area Boundary
- J-1 Range Grids
- MMR Boundary
- Impact Area Boundary
- Roads

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Aerial Photograph 1997

0 800 Feet

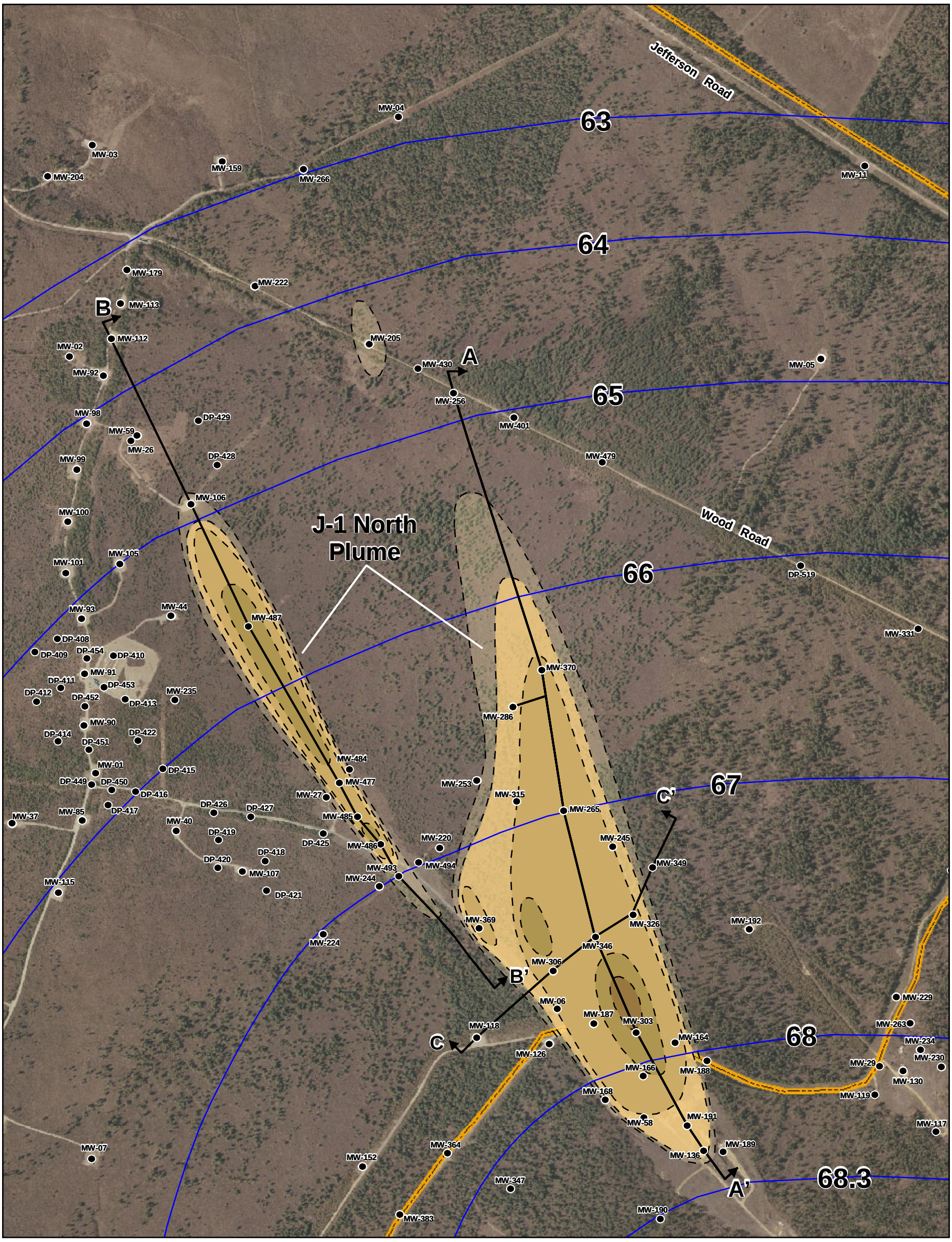
N

ECC MMR
Cape Cod, Massachusetts

ECC G IS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section2\Fig2-9_J1Range_1997.mxd
November 2008 D rawn by JYK C hecked by PF

FIGURE

2-9



LEGEND

- Monitoring Well
- B — B' Line of Cross Section
- 68 2003 Synoptic Water Table Contour (ft msl)
- Impact Area Boundary

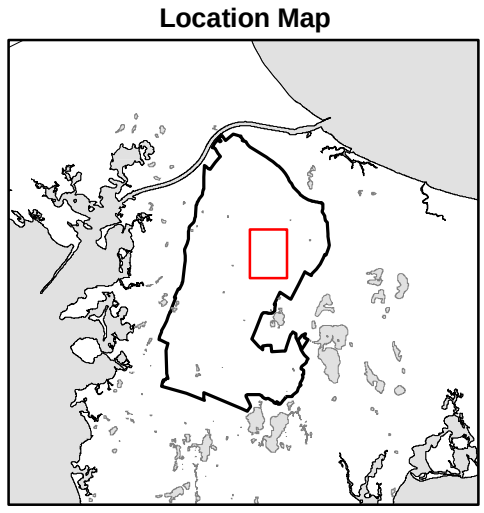
RDX Detection

- Nondetect to 0.6 µg/L
- 0.6-2 µg/L
- 2-6 µg/L
- 6-20 µg/L
- 20-200 µg/L

N

0 350 700 Feet

Location Map



J-1 Range North RDX Plume and Lines of Cross Section

FIGURE 2-10

Data mapped to UTM Zone 19, map grid units in meters.

Jacobs
Bourne, Massachusetts
Y:\IA_TERC\Projects\35AY53\02\20100708\ArcGIS
j1_plume_rdx_section_20091110_final.mxd
July 8, 2010 jpiccuito Checked by Katie Thomas

Impact Area Groundwater Study Program

North

A

A'

South

MW-256

MW-370 (projected well)

MW-286

MW-265

MW-346 Intersection with C-C'

MW-303

MW-191

MW-136

Elevation (Feet Mean Sea Level, NGVD)

> ND

0.6

2

6

20

Y:\IA_TERC\Projects\35AYS\02\20100708\AutoCAD\xsection_j1_aa_rdx_ri_fs_final.dwg

last modified: 07/08/10 printed: 07/08/10 by jp

Legend

- Monitoring Well
- Water table
- M1 Well screen ID
- Borehole Screening Interval Data (µg/L): 2
- J Estimated Concentration
- ND Nondetect
- µg/L Micrograms per liter
- NGVD National Geodetic Vertical Datum
- Sand
- Silt/Clay
- Sand and Silt/Clay
- Basal Gravel/Sand
- Bedrock
- Nondetect to 0.6 µg/L
- 0.6-2 µg/L
- 2-6 µg/L
- 6-20 µg/L
- 20-200 µg/L
- Geologic Contact (dashed where inferred)

Note: Unlabelled borehole intervals indicate nondetects during screening.

Data Sources: ECC/Jacobs, 12 June 2008, Site Environmental Evaluation (SEE) Database.

V: 60
H: 500

0

Scale in Feet

Impact Area Groundwater Study Program

J-1 Range North Plume Cross Section A-A' Illustrating RDX Distributions

Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP xsection_j1_aa_rdx_ri_fs_final.dwg

Figure 2-11

Southwest

C

Northeast

C'

MW-118

MW-306

MW-346
Intersection with A-A'

MW-326

MW-349

Elevation (Feet Mean Sea Level, NGVD)

ND M2
ND M1
0.61 M2 22J
4.4J
3.8 M1 5.7J
0.91J
3.25J
1.4J
ND D
ND M4 0.52J
3.1J
ND M3 3.2J
0.41 M2 0.31
0.26
ND M1
2.8 M3 0.74
0.56 M2 3.4
0.83
0.83
1.6
ND M1
ND M3
ND M2
ND M1
0.6
2
2
2
> ND

Legend

- Monitoring Well
- Water table
- M1 Well screen ID
- Drilling Profile Interval Data (µg/L): 2
- J Estimated Concentration
- ND Nondetect
- µg/L Micrograms per liter
- NGVD National Geodetic Vertical Datum
- Sand
- Silt/Clay
- Sand and Silt/Clay
- Basal Gravel/Sand
- Bedrock
- Nondetect to 0.6 µg/L
- 0.6-2 µg/L
- 2-6 µg/L
- Geologic Contact (dashed where inferred)

Note: Unlabelled drilling profile intervals indicate nondetects during screening.

Data Sources: ECC/Jacobs, 12 June 2008, Site Environmental Evaluation (SEE) Database.

V: 60
H: 150
0
Scale in Feet

Impact Area Groundwater Study Program

J-1 Range North Plume Cross Section C-C'
Illustrating RDX Distributions

Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP xsection_j1_cc_rdx_ri_fs_final.dwg

Figure 2-12

last modified: 07/08/10 printed: 07/08/10 by jp

Y:\A_TERC\Projects\35AY53\02201007\08\AutoCAD\xsection_j1_cc_rdx_ri_fs_final.dwg

Northwest

B

Southeast

B'

MW-112 MW-106 MW-487 MW-477 MW-485 MW-486 MW-493

Elevation (Feet Mean Sea Level, NGVD)

1.9J
2.4 M2 2.3J
0.55 M1 0.82J
ND M2
ND M1
ND M1
>ND
0.6
2
6
0.57
0.49
1.1
7.6 M2 14
0.54
3.2 M2 15
5 M1 5.8
0.61
0.59
ND M1 0.46
0.78
>ND
0.4
1.2
11
5.6 M1 10

Y:\A_TERC\Projects\35AYS30\2230100708\AutoCAD\xsection_j1_bb_rdx_ri_fs_final.dwg

last modified: 07/08/10 printed: 07/08/10 by jp

Legend

- Monitoring Well
- Water table
- M1 Well screen ID
- Borehole Screening Interval Data (µg/L): 2
- J Estimated Concentration
- ND Nondetect
- µg/L Micrograms per liter
- Sand
- Silt/Clay
- Sand and Silt/Clay
- Basal Gravel/Sand
- Bedrock
- Nondetect to 0.6 µg/L
- 0.6-2 µg/L
- 2-6 µg/L
- 6-20 µg/L

NGVD National Geodetic Vertical Datum

Note: Unlabelled borehole intervals indicate nondetects during screening.

Data Sources: ECC/Jacobs, 12 June 2008, Site Environmental Evaluation (SEE) Database.

V: 60
H: 500
0
Scale in Feet

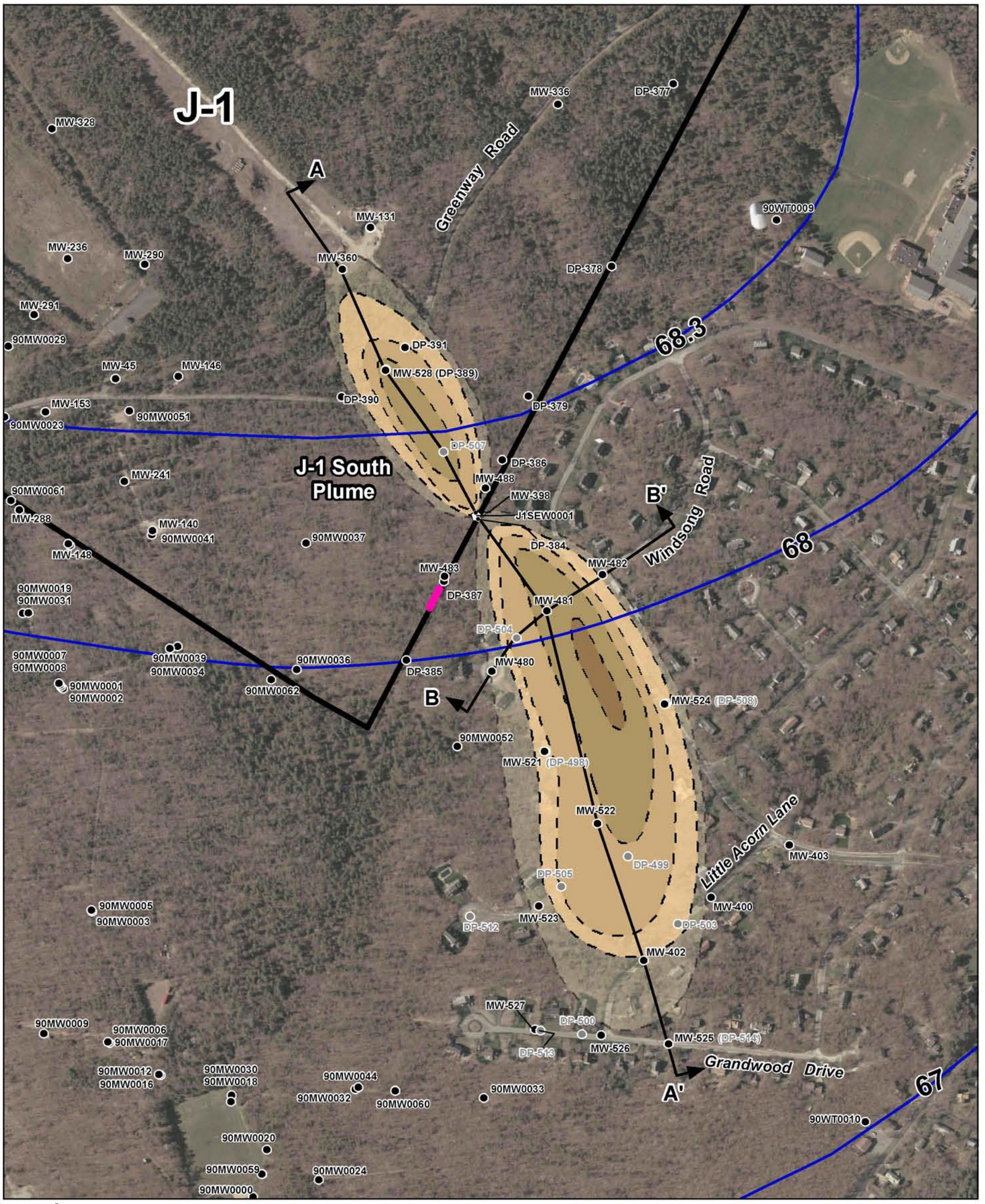
Impact Area Groundwater Study Program

J-1 Range North Plume Cross Section B-B'
Illustrating RDX Distributions

Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP xsection_j1_bb_rdx_ri_fs_final.dwg

Figure 2-13



Legend

- Monitoring Well
- Drive Point Location (abandoned)
- Extraction Well
- 68 — 2003 Synoptic Water Table Contour (ft msl)
- MMR Boundary
- Infiltration Trench
- A — A' Line of Cross Section

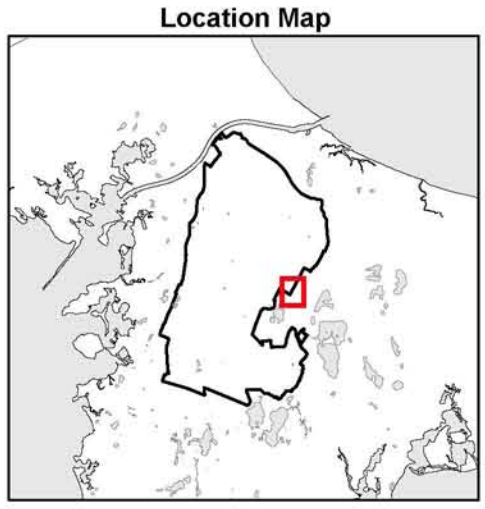
RDX Detection

- Nondetect to 0.6 µg/L
- 0.6-2 µg/L
- 2-6 µg/L
- 6-20 µg/L
- > 20 µg/L

N

0 200 400 Feet

Location Map



J-1 Range South Plume RDX and Lines of Cross Section

FIGURE 2-14

Data mapped to UTM Zone 19, map grid units in meters.

JACOBS
Bourne, Massachusetts
Y:\IA_TERC\Projects\35AY53\02\20100708\ArcGIS\j1_south_plume_rdx_20100216_final.mxd
July 8, 2010 jpicciuto Checked by Kabe Thomas

Impact Area Groundwater Study Program

NORTHWEST

A

SOUTHEAST

A'

Separated for Clarity

Separated for Clarity

Separated for Clarity

MW-360

MW-528

DP-389

DP-507

MW-398

J1SEW0001

DP-384

MW-481 Intersection with B-B'

MW-522

MW-402

MW-525

DP-514

Elevation (Feet Mean Sea Level, NGVD)

Legend

- Monitoring Well
- Drive Point Location
- Drive Point Location (abandoned)
- Extraction Well
- Water table
- Well screen ID

Drilling Profile Interval Data (µg/L)

Extraction Well Screen

J	Estimated Concentration
ND	Nondetect
µg/L	Micrograms per liter

- Sand
- Silt/ Clay
- Sand and Silt/Clay
- Basal Gravel/Sand
- Bedrock

- Nondetect to 0.6 µg/L
- 0.6-2 µg/L
- 2-6 µg/L
- 6-20 µg/L

Note: Unlabelled drilling profile intervals indicate nondetects during screening.

Data Sources: ECC/Jacobs, 09 February 2010, EDMS Database.

V: 60
H: 300

0

Scale in Feet

Impact Area Groundwater Study Program

J-1 Range South Plume Cross Section
A-A' Illustrating RDX Distributions

Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP xsection_j1_south_ea_rdx_final.dwg

Figure 2-15

last modified: 07/08/10 printed: 07/08/10 by jp

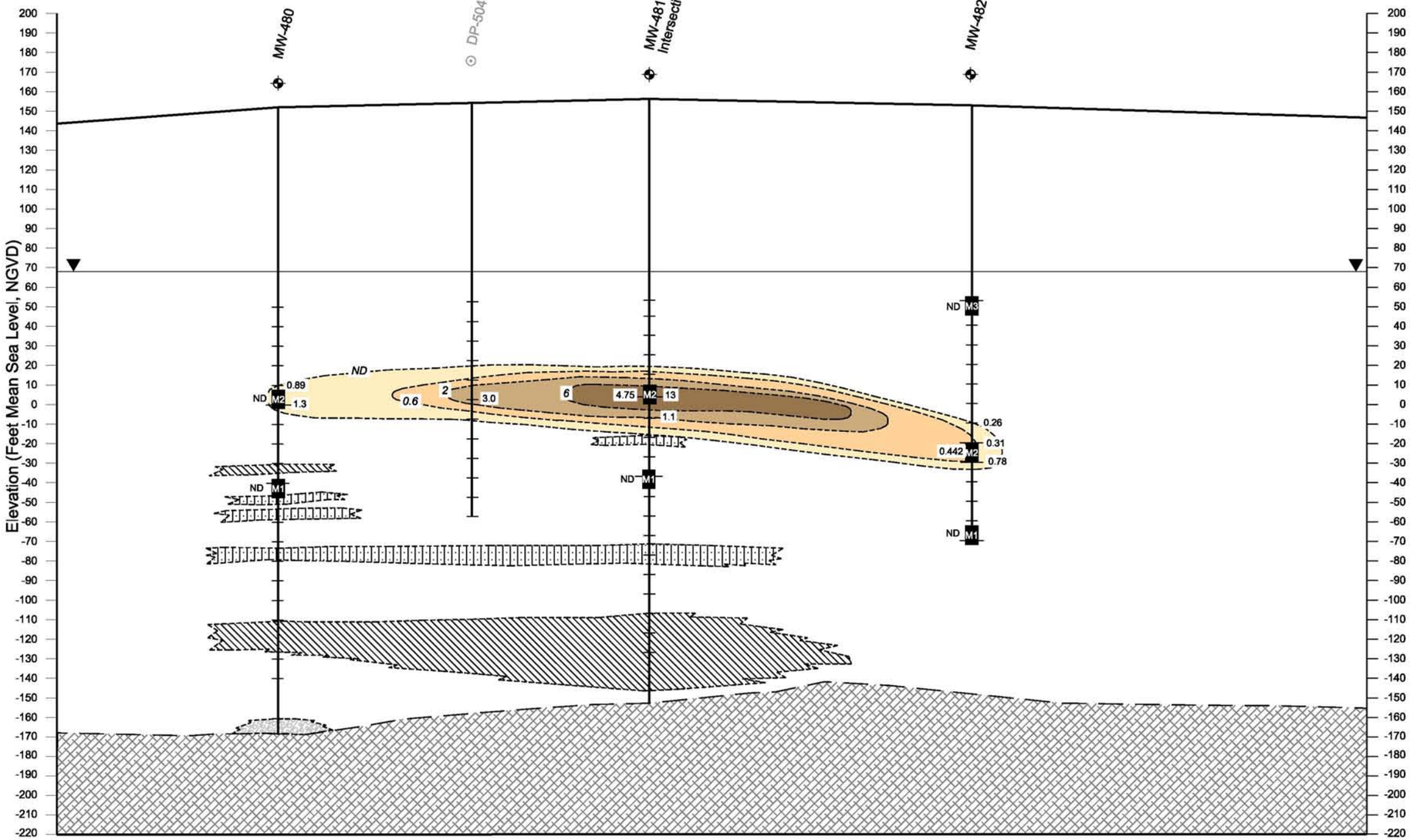
Y:\A_TERC\Projects\35AY53\02\20100708\AutoCAD\xsection_j1_south_ea_rdx_final.dwg

SOUTHWEST

B

NORTHEAST

B'



Legend

- Monitoring Well
- Drive Point Location (abandoned)
- Water table
- M1 Well screen ID

Drilling Profile Interval Data (µg/L)

J	Estimated Concentration
ND	Nondetect
µg/L	Micrograms per liter

- Sand
- Silt/ Clay
- Sand and Silt/Clay
- Basal Gravel/Sand
- Bedrock

- Nondetect to 0.6 µg/L
- 0.6-2 µg/L
- 2-6 µg/L
- 6-20 µg/L

Note: Unlabelled drilling profile intervals indicate nondetects during screening.

Data Sources: ECC/Jacobs, 09 February 2010, EDMS Database.

0 — Scale in Feet — V: 60 H: 100

Impact Area Groundwater Study Program

J-1 Range South Plume Cross Section B-B' Illustrating RDX Distributions

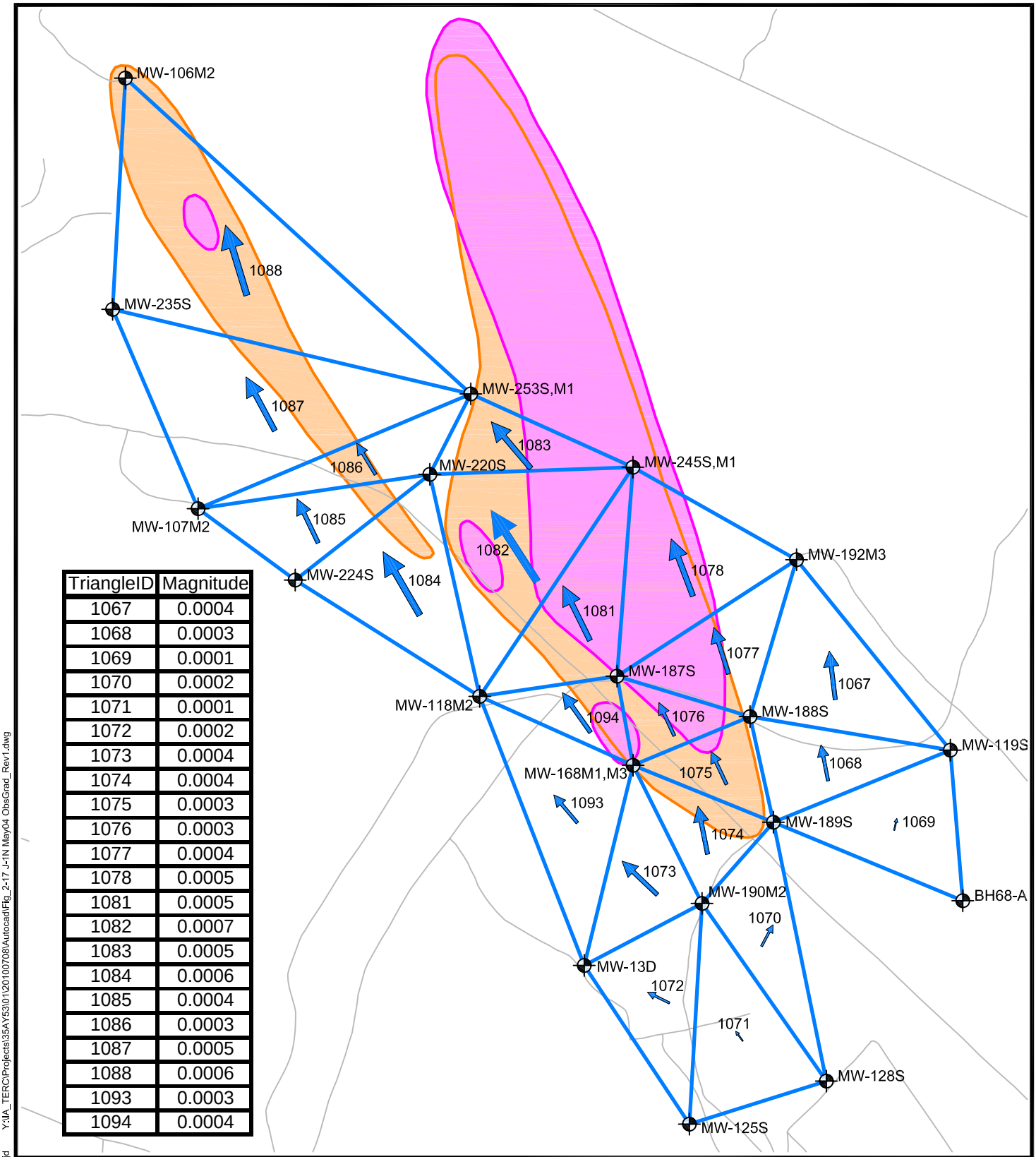
Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP xsection_j1_south_bb_rdx_final.dwg

Figure 2-16

last modified: 07/08/10 printed: 07/08/10 by jp

Y:\A_TERC\Projects\35AYS302\2010\07\08\AutoCAD\xsection_j1_south_bb_rdx_final.dwg



TriangleID	Magnitude
1067	0.0004
1068	0.0003
1069	0.0001
1070	0.0002
1071	0.0001
1072	0.0002
1073	0.0004
1074	0.0004
1075	0.0003
1076	0.0003
1077	0.0004
1078	0.0005
1081	0.0005
1082	0.0007
1083	0.0005
1084	0.0006
1085	0.0004
1086	0.0003
1087	0.0005
1088	0.0006
1093	0.0003
1094	0.0004

Legend

- Monitoring Well
- May 2004 Observed Gradient Direction and Magnitude
- Perchlorate Plume (shown to nondetect)
- RDX Plume (shown to nondetect)

0.0 — 0.0005 — 0.0010
Hydraulic Gradient Magnitude (feet per foot)

N

0 — 800
Scale in Feet

Impact Area Groundwater Study Program

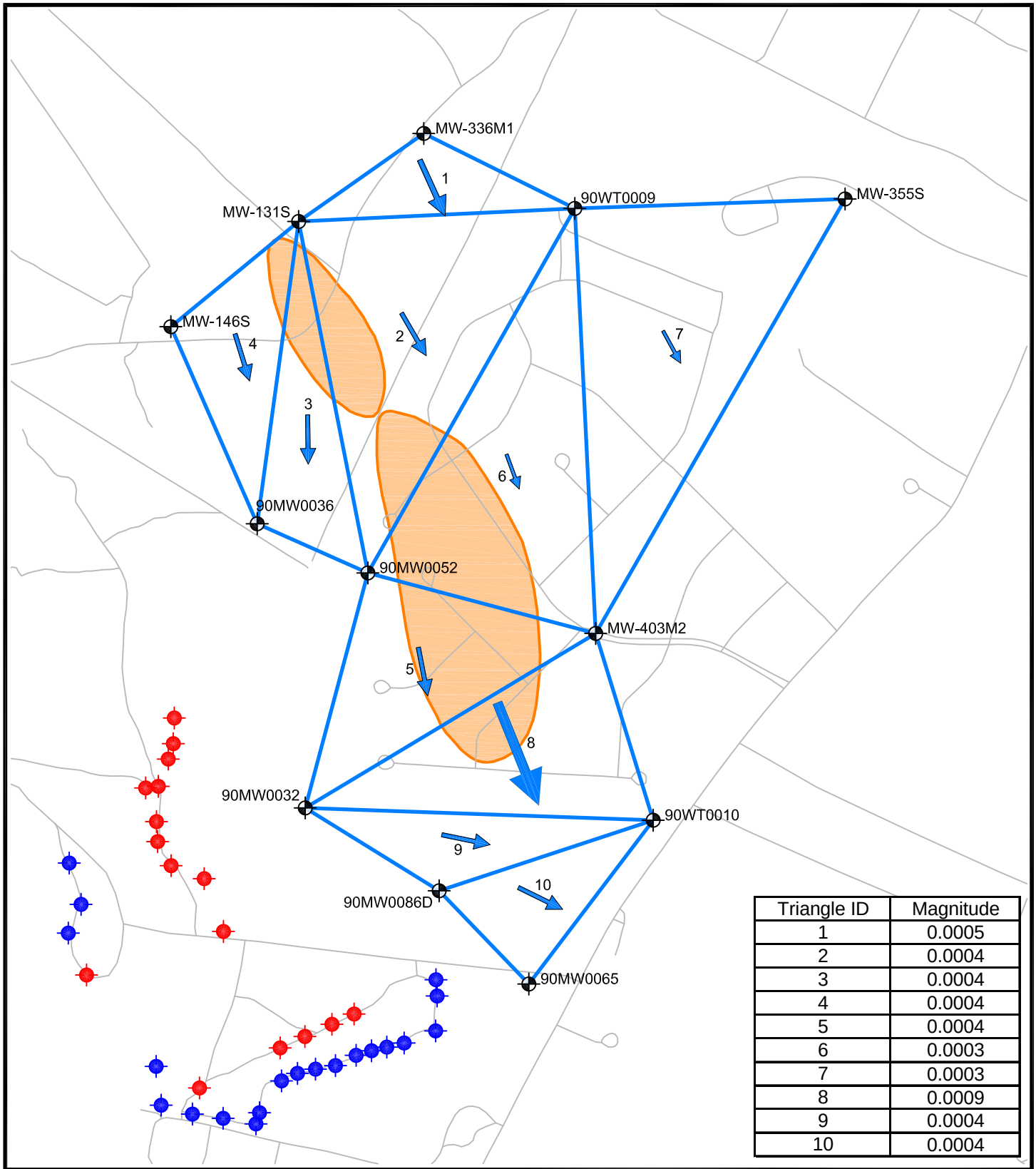
J-1 Range North
May 2004 Observed Hydraulic Gradients for Triangular Elements

Massachusetts Military Reservation
Cape Cod, Massachusetts

07/09/10 JD
Fig_2-17 J-1N May04 ObsGrad_Rev1.dwg

Figure 2-17

last modified: 07/09/10 printed: 07/09/10 by jd Y:\IA_TERC\Projects\35AY53\01\20100708\Autocad\Fig_2-17 J-1N May04 ObsGrad_Rev1.dwg



Triangle ID	Magnitude
1	0.0005
2	0.0004
3	0.0004
4	0.0004
5	0.0004
6	0.0003
7	0.0003
8	0.0009
9	0.0004
10	0.0004

Legend

- Monitoring Well
- November 2005 Observed Gradient Direction and Magnitude
- RDX Plume Outline (shown to nondetect)
- MMR Boundary
- FS-12 Extraction Well
- FS-12 Reinjection Well

Note:
Only those FS-12 exraction and reinjection wells which were active during November 2005 are shown.

0.0 0.0005 0.0010
Hydraulic Gradient Magnitude (feet per foot)

0 800
Scale in Feet

Impact Area Groundwater Study Program

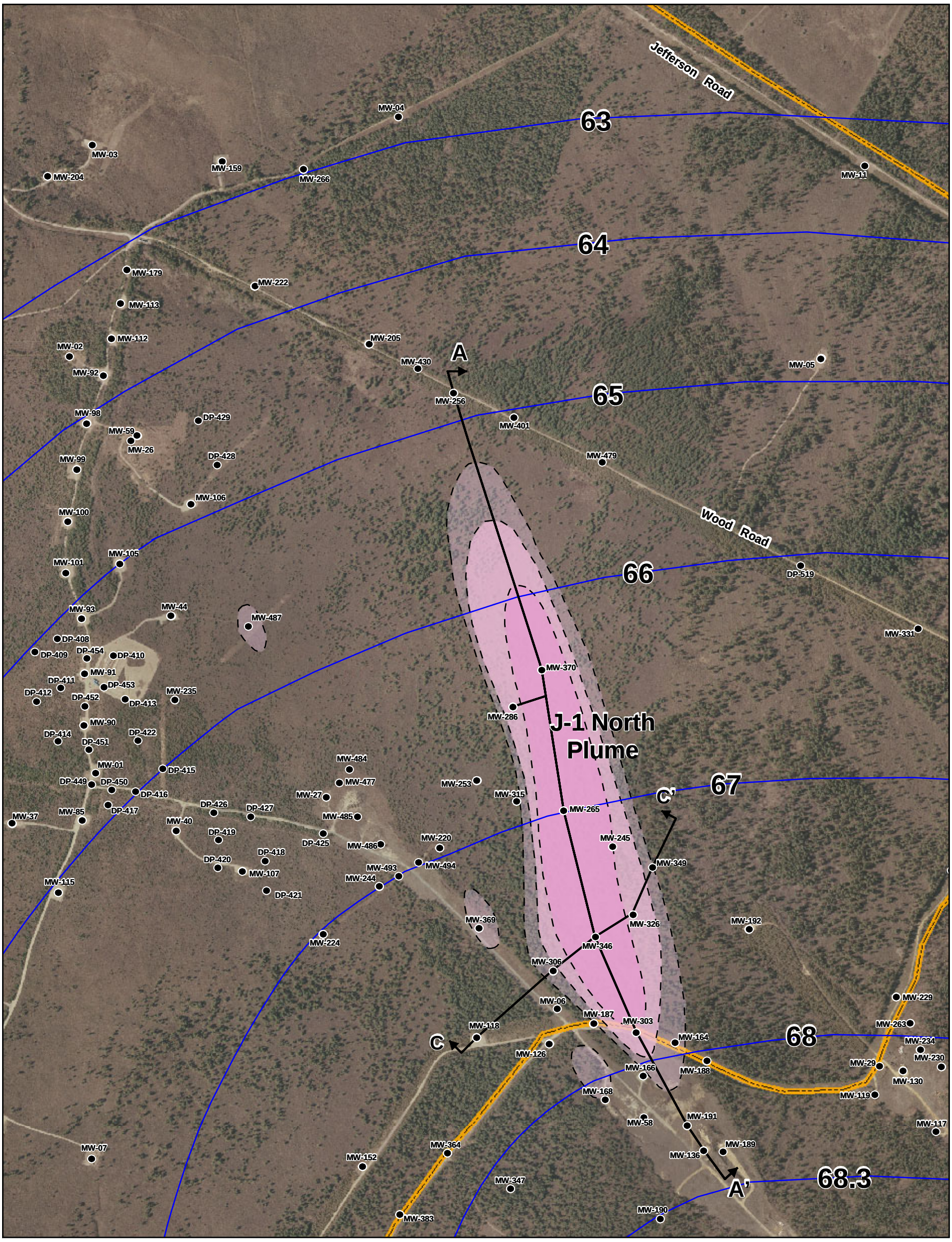
J-1 Range South November 2005 Observed Hydraulic Gradients for Triangular Elements

Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP
J-1S Nov05 ObsGrad2_final.dwg

Figure 2-18

last modified: 07/08/10 printed: 07/08/10 by jp Y:\IA_TERC\Projects\35AY53\02\20100708\AutoCAD\J-1S Nov05 ObsGrad2_final.dwg



LEGEND

- Monitoring Well
- B — B' Line of Cross Section
- 68 2003 Synoptic Water Table Contour (ft msl)
- Impact Area Boundary

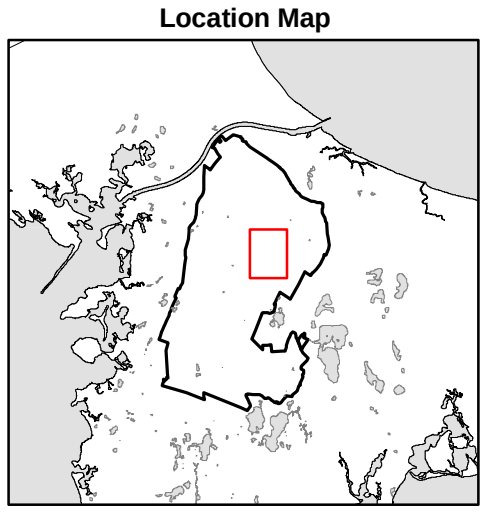
Perchlorate Detection

- Nondetect to 2 µg/L
- 2-15 µg/L
- 15-200 µg/L

N

0 350 700 Feet

Location Map



J-1 Range North Perchlorate Plume and Lines of Cross Section

FIGURE 3-1

Data mapped to UTM Zone 19, map grid units in meters.

Jacobs
Bourne, Massachusetts
Y:\IA_TERC\Projects\35AY53\02\20100708\ArcGIS
j1_plume_per_section_20100708.mxd
July 8, 2010 jpiccuito Checked by Katie Thomas

Impact Area Groundwater Study Program

North

A

South

A'

MW-256

MW-370

MW-286 (projected well)

MW-265

MW-346 Intersection with C-C'

MW-303

MW-191

MW-136

Elevation (Feet Mean Sea Level, NGVD)

> ND

2

15

Legend

Monitoring Well

Water table

Well screen ID

Borehole Screening Interval Data (µg/L)

2

J Estimated Concentration

ND Nondetect

µg/L Micrograms per liter

Sand

Silt/Clay

Sand and Silt/Clay

Basal Gravel/Sand

Bedrock

Nondetect to 2 µg/L

2-15 µg/L

15-200 µg/L

Geologic Contact (dashed where inferred)

NGVD National Geodetic Vertical Datum

Note: Unlabelled borehole intervals indicate nondetects during screening.

Data Sources: ECC/Jacobs, 12 June 2008, Site Environmental Evaluation (SEE) Database.

0 Scale in Feet

V: 60
H: 500

Impact Area Groundwater Study Program

J-1 Range North Plume Cross Section A-A' Illustrating Perchlorate Distributions

Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP xsection_j1_aa_per_20091109_final.dwg

Figure 3-2

last modified: 07/08/10 printed: 07/08/10 by jp

Y:\IA_TERC\Projects\35AYS302\20100708\AutoCAD\xsection_j1_aa_per_20091109_final.dwg

Southwest

C

Northeast

C'

MW-118

MW-306

MW-346
Intersection with A-A'

MW-326

MW-349

Elevation (Feet Mean Sea Level, NGVD)

ND M2
ND M1
ND D
0.98J ND M2
0.45J 1.6 M1 3.4
1.1
0.85J 2.3
0.85J 1.1 1.3
ND M4 0.36J
0.51J
ND M3 66
1.6
25.9 M2 2.6
0.77J
25 M1 0.79J
1.7 M3 0.97J
10
6.5
10.1 M2 21
11
3.8
0.72J
0.36J
ND M1
ND M3
ND M2 1.6
ND M1
> ND
15
2
15
2

Y:\A_TERC\Projects\35AY53\02\20100708\AutoCAD\xsection_j1_cc_per_20091109_final.dwg

printed: 07/08/10 by jp

last modified: 07/08/10

Legend

- Monitoring Well
- Water table
- M1 Well screen ID
- Drilling Profile Interval Data (µg/L): 2
- J Estimated Concentration
- ND Nondetect
- µg/L Micrograms per liter
- NGVD National Geodetic Vertical Datum
- Sand
- Silt/Clay
- Sand and Silt/Clay
- Basal Gravel/Sand
- Bedrock
- Nondetect to 2 µg/L
- 2-15 µg/L
- 15-200 µg/L
- Geologic Contact (dashed where inferred)

Note: Unlabelled drilling profile intervals indicate nondetects during screening.

Data Sources: ECC/Jacobs, 12 June 2008, Site Environmental Evaluation (SEE) Database.

0 Scale in Feet

V: 60
H: 150

Impact Area Groundwater Study Program

J-1 Range North Plume Cross Section C-C'
Illustrating Perchlorate Distributions

Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP xsection_j1_cc_per_20091109_final.dwg

Figure 3-3

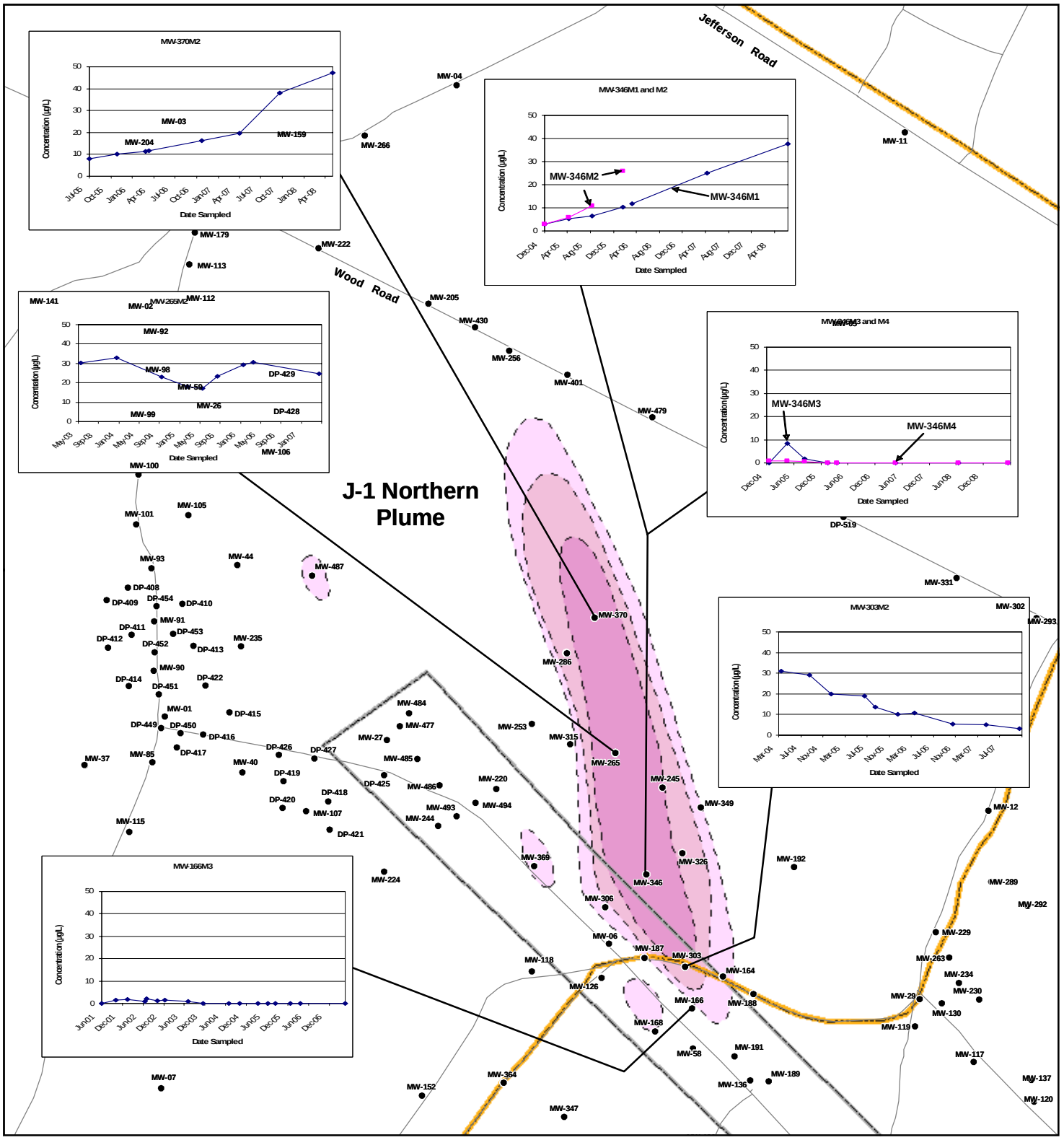


FIGURE
3-4

J-1 Range Northern Groundwater Perchlorate Trends

JACOBS
Bourne, Massachusetts

Y:\IA_TERC\Projects\35AY5302\20100708\ArcGIS
j1_plume_per_trends_20100708.mxd
July 8, 2010 Jim Piccuito Checked by Katie Thomas

Impact Area Groundwater Study Program

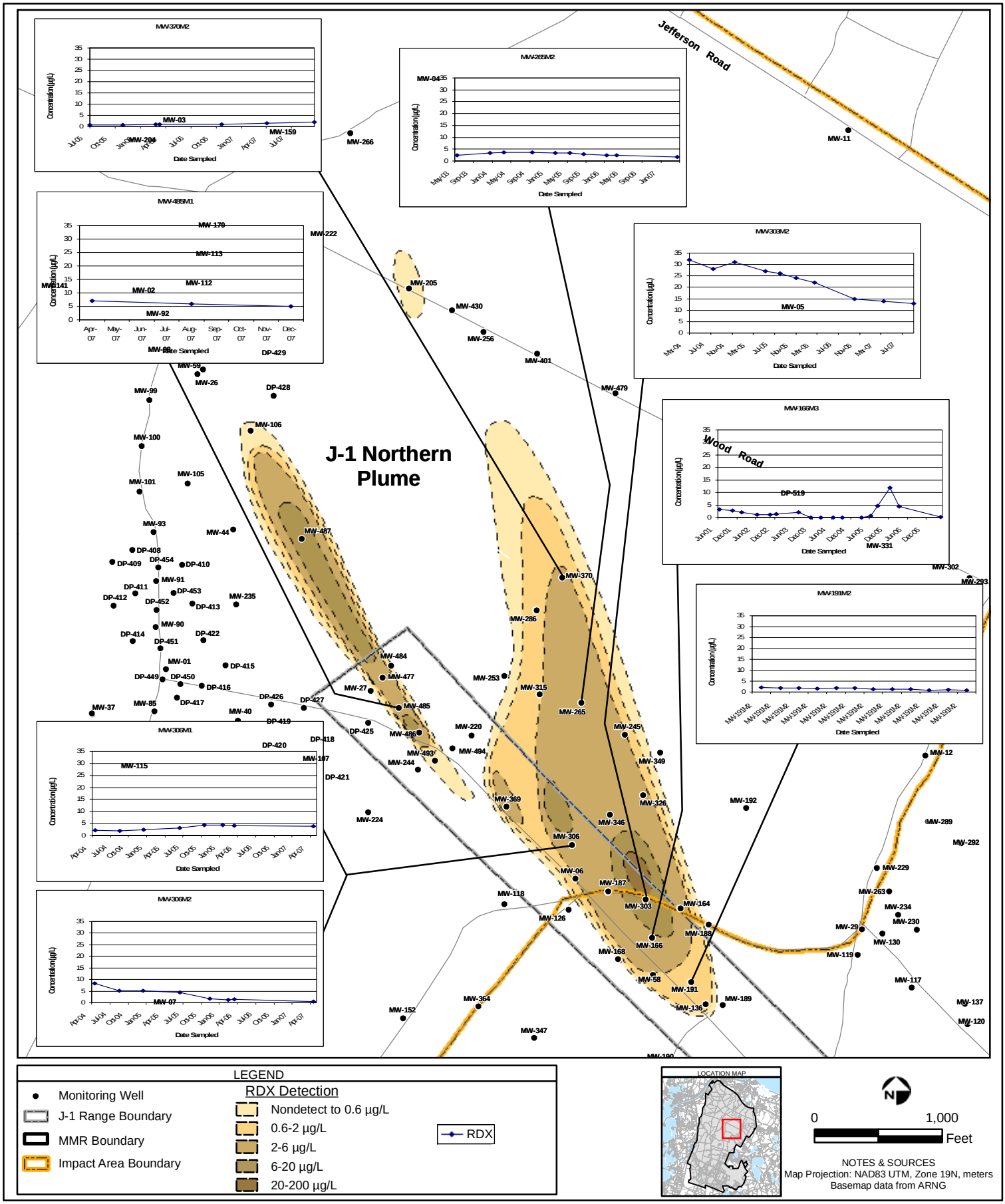


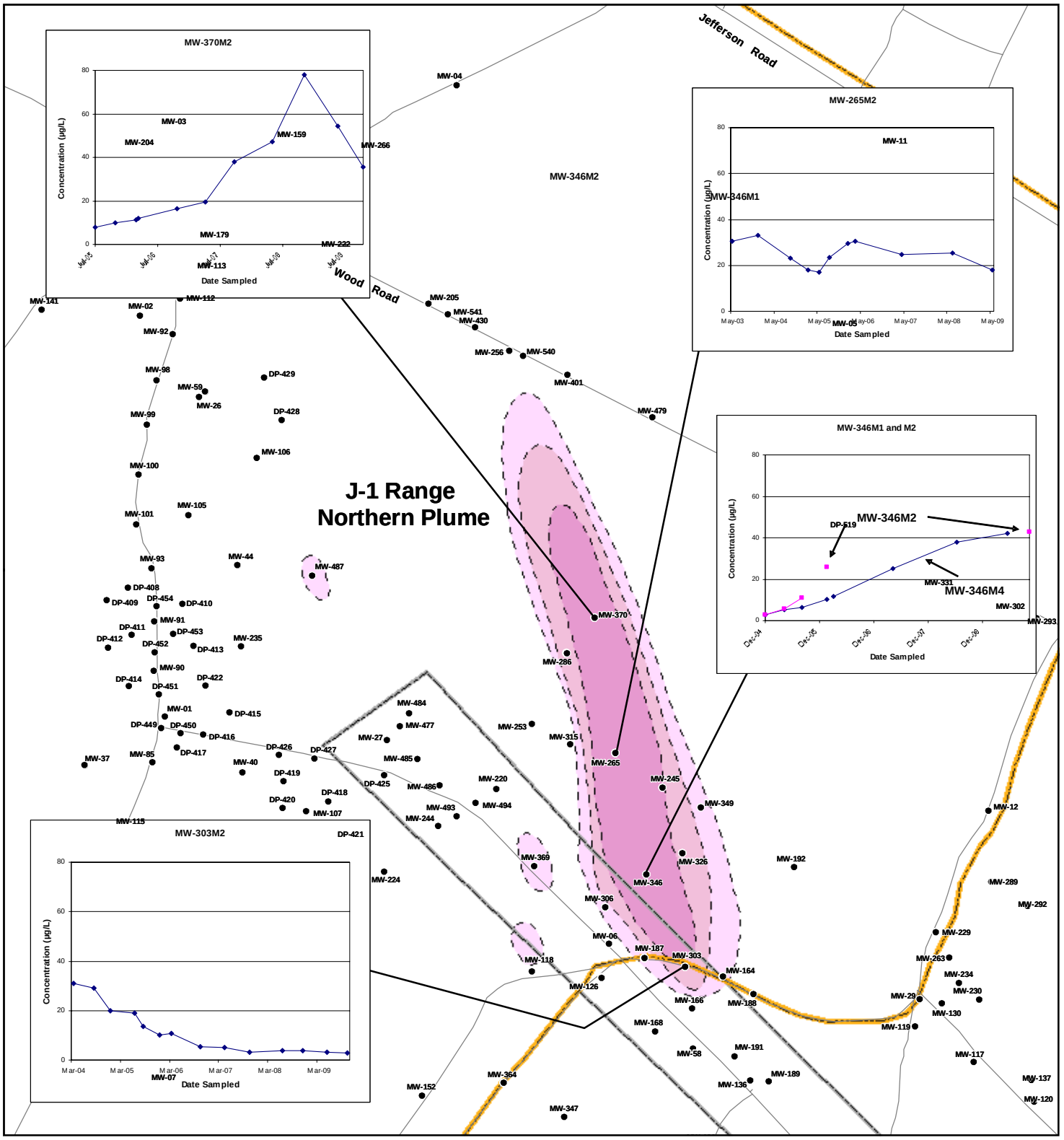
FIGURE
3-5

J-1 Range Northern Groundwater RDX Trends

JACOBS
Bourne, Massachusetts

Y:\IA_TERC\Projects\35AY5302\20100708\ArcGIS
j1_plume_rdx_trends_20100421_final.mxd
July 8, 2010 Jim Piccuito Checked by Katie Thomas

Impact Area Groundwater Study Program

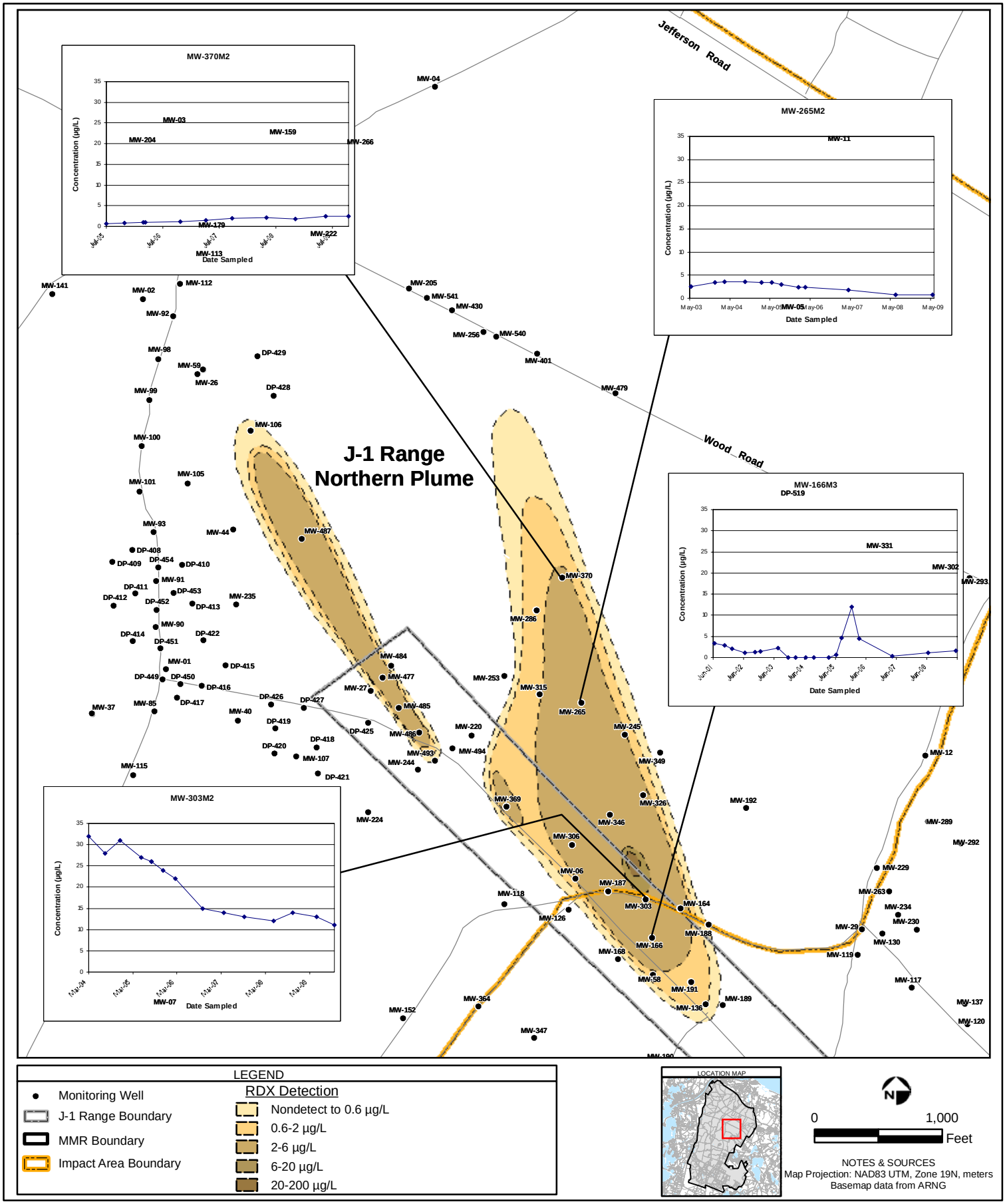


2009 J-1 Range Northern Perchlorate Plume

FIGURE
3-6

JACOBS
Bourne, Massachusetts
Y:\IA_TERC\Projects\35AY5302\20100708\ArcGIS
j1_plume_per_trends_20100506_final.mxd
July 8, 2010 Jim Piccuito Checked by Katie Thomas

Impact Area Groundwater Study Program



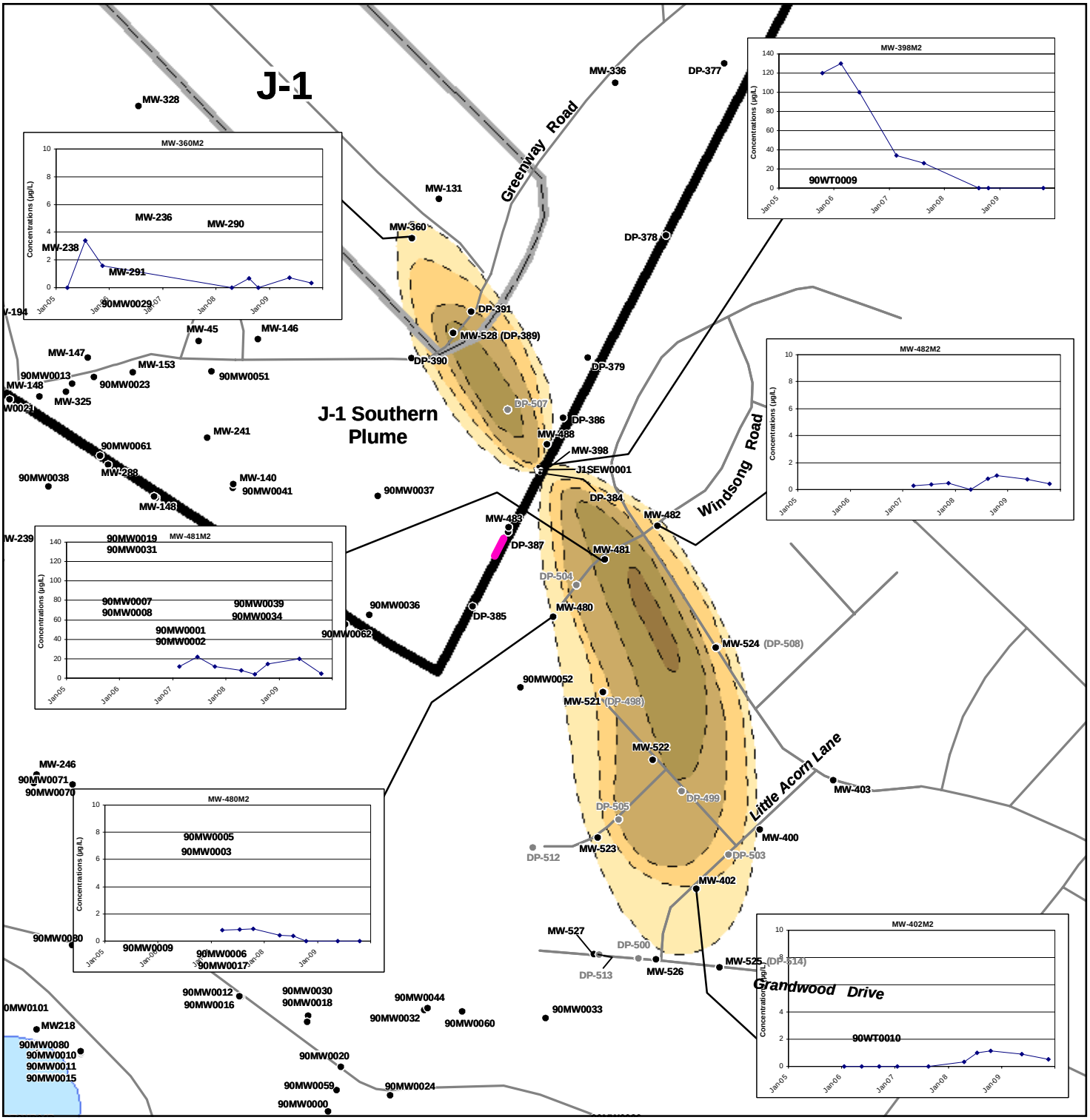
2009 J-1 Range Northern RDX Plume

FIGURE 3-7

JACOBS
Bourne, Massachusetts

Y:\IA_TERC\Projects\35AY5302\20100708\ArcGIS\j1_plume_rdx_trends_20100506_final.mxd
July 8, 2010 Jim Piccuito Checked by Katie Thomas

Impact Area Groundwater Study Program



LEGEND

- Monitoring Well
- Drive Point Location (abandoned)
- Extraction Well
- J-1 Range Boundary
- MMR Boundary
- Impact Area Boundary
- Infiltration Trench

RDX Detection

- Nondetect to 0.6 µg/L
- 0.6-2 µg/L
- 2-6 µg/L
- 6-20 µg/L
- > 20 µg/L
- RDX

LOCATION MAP

0 600 Feet

NOTES & SOURCES
Map Projection: NAD83 UTM, Zone 19N, meters
Basemap data from ARNG

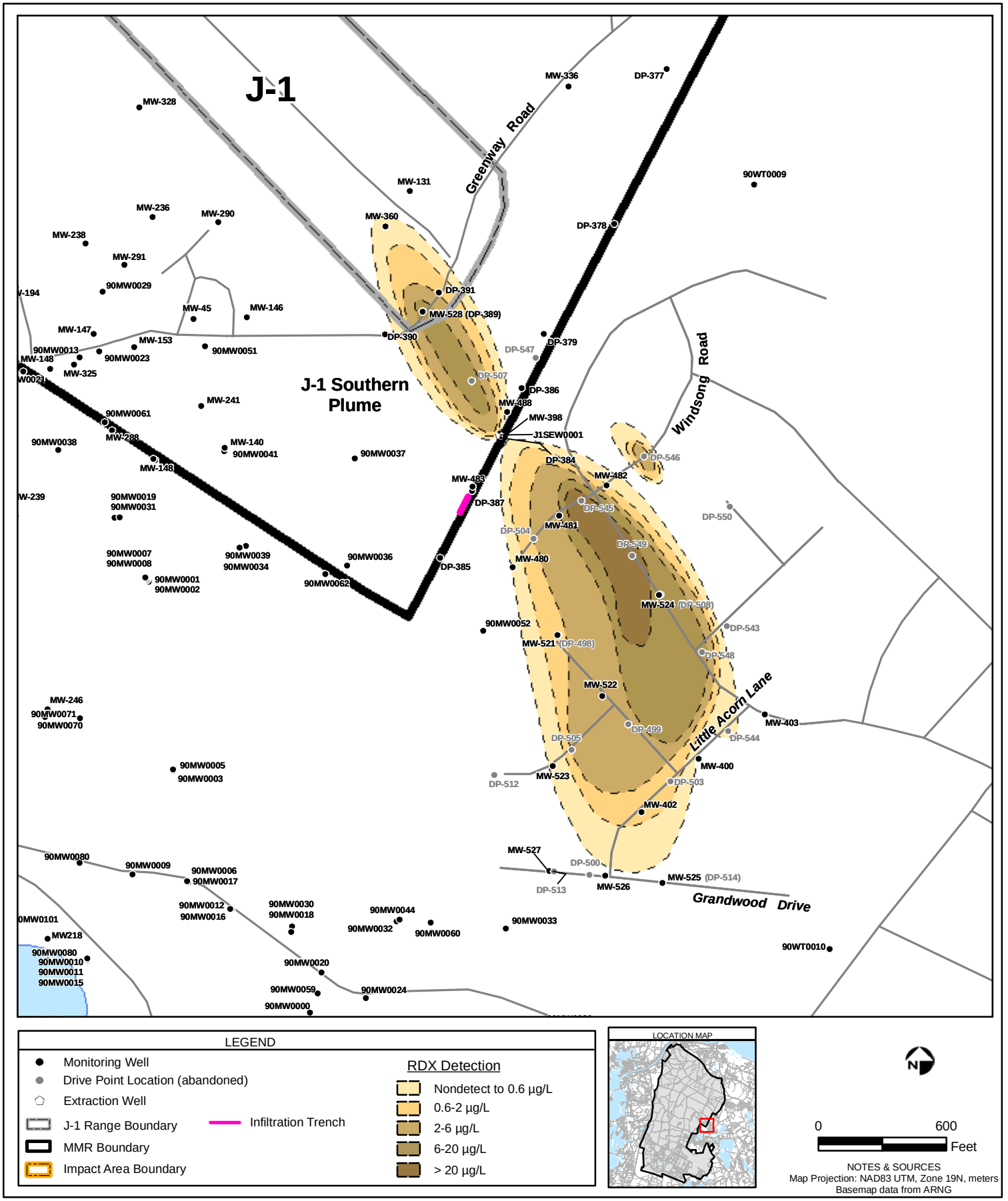
J-1 Range Southern Groundwater RDX Trends

FIGURE
3-8

JACOBS
Bourne, Massachusetts

Y:\IA_TERC\Projects\35AYS302\20100708\ArcGIS\j1_south_rdx_trends_20100421_final.mxd
July 8, 2010 Jim Picciuto Checked by Katie Thomas

Impact Area Groundwater Study Program



NOTES & SOURCES
Map Projection: NAD83 UTM, Zone 19N, meters
Basemap data from ARNG

April 2010 J-1 Range Southern RDX Groundwater Plume

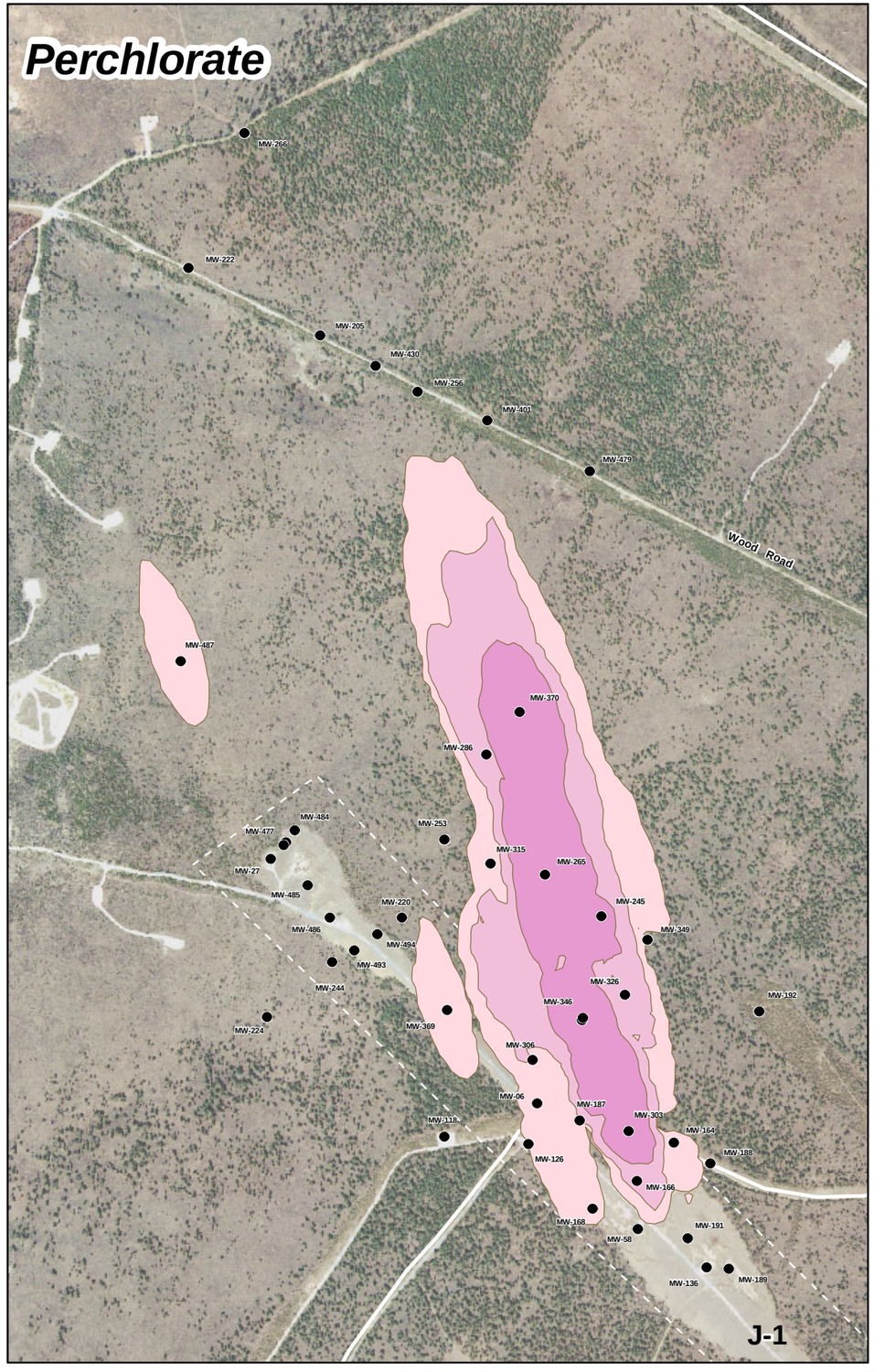
FIGURE
3-9

JACOBS
Bourne, Massachusetts

Y:\IA_TERC\Projects\35AYS3\02\20100708\ArcGIS\j1_south_plume_20100422_final.mxd
July 8, 2010 Jim Picciuto Checked by Katie Thomas

Impact Area Groundwater Study Program





Impact Area Groundwater Study Program

LEGEND

Perchlorate Concentration

- 0.35 µg/L
- 15 µg/L
- 2 µg/L

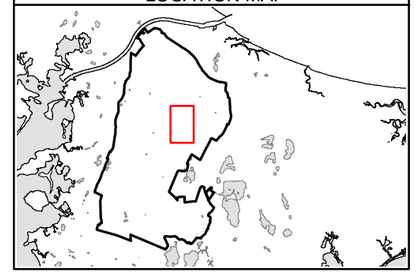
RDX Concentration

- 0.25 µg/L
- 6 µg/L
- 0.60 µg/L
- 20 µg/L
- 2 µg/L

- Monitoring Well
- Range Boundary
- Impact Area Boundary

µg/L = micrograms per liter
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from US Geological Survey 7 1/2 minute
Topographic Map Source: MassGIS

TITLE

J-1 Range Northern Plume
2008 Plume Shells

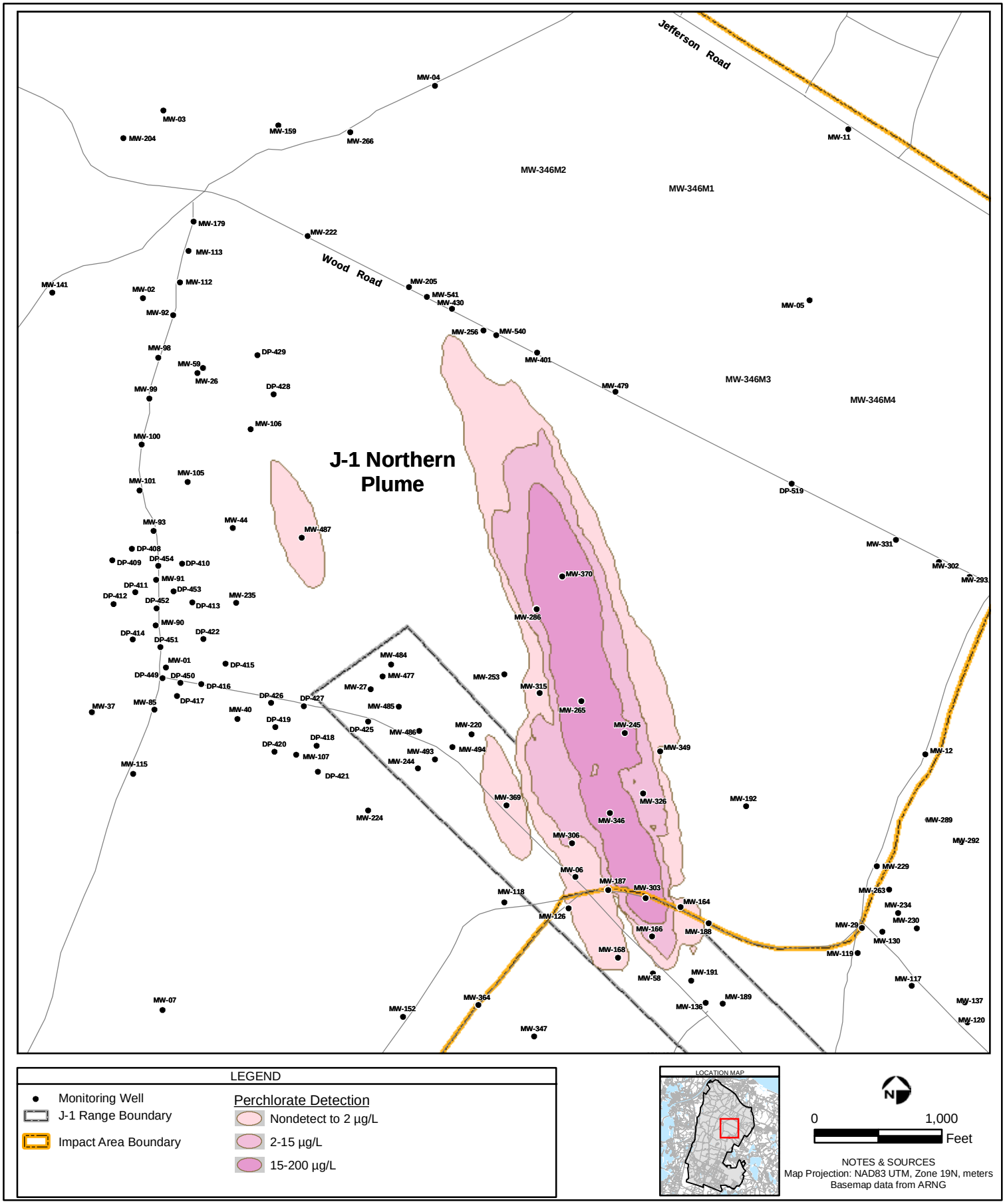
0 500
Feet

N

Jacobs
Bourne, Massachusetts

Y:\IA_TERC\Projects\35AY53\02\20100708\ArcGIS\
J1N_2008-RIFS_rdx_per_shell_final.mxd July 8, 2010
DWN BY: JPiccuito CHKD BY: KThomas

FIGURE
3-10



LEGEND

- Monitoring Well
- J-1 Range Boundary
- Impact Area Boundary

Perchlorate Detection

- Nondetect to 2 µg/L
- 2-15 µg/L
- 15-200 µg/L

LOCATION MAP

0 1,000 Feet

NOTES & SOURCES
Map Projection: NAD83 UTM, Zone 19N, meters
Basemap data from ARNG

J-1 Range Northern Perchlorate Expanded Mass Plume Shell

FIGURE 3-11

JACOBS
Bourne, Massachusetts
Y:\IA_TERC\Projects\35AY5302\20100708\ArcGIS\j1_plume_per_shell_20100422_final.mxd
July 8, 2010 Jim Piccuito Checked by Katie Thomas

Impact Area Groundwater Study Program



LEGEND

Monitoring Well / Drivepoint

MMR Boundary

RDX Concentration

0.25 µg/L

2 µg/L

0.60 µg/L

6 µg/L

20 µg/L

µg/L = micrograms per liter
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

LOCATION MAP

N

0 500 Feet

NOTES & SOURCES
Map Projection: NAD83 UTM, Zone 19N, meters
Basemap data from ARNG

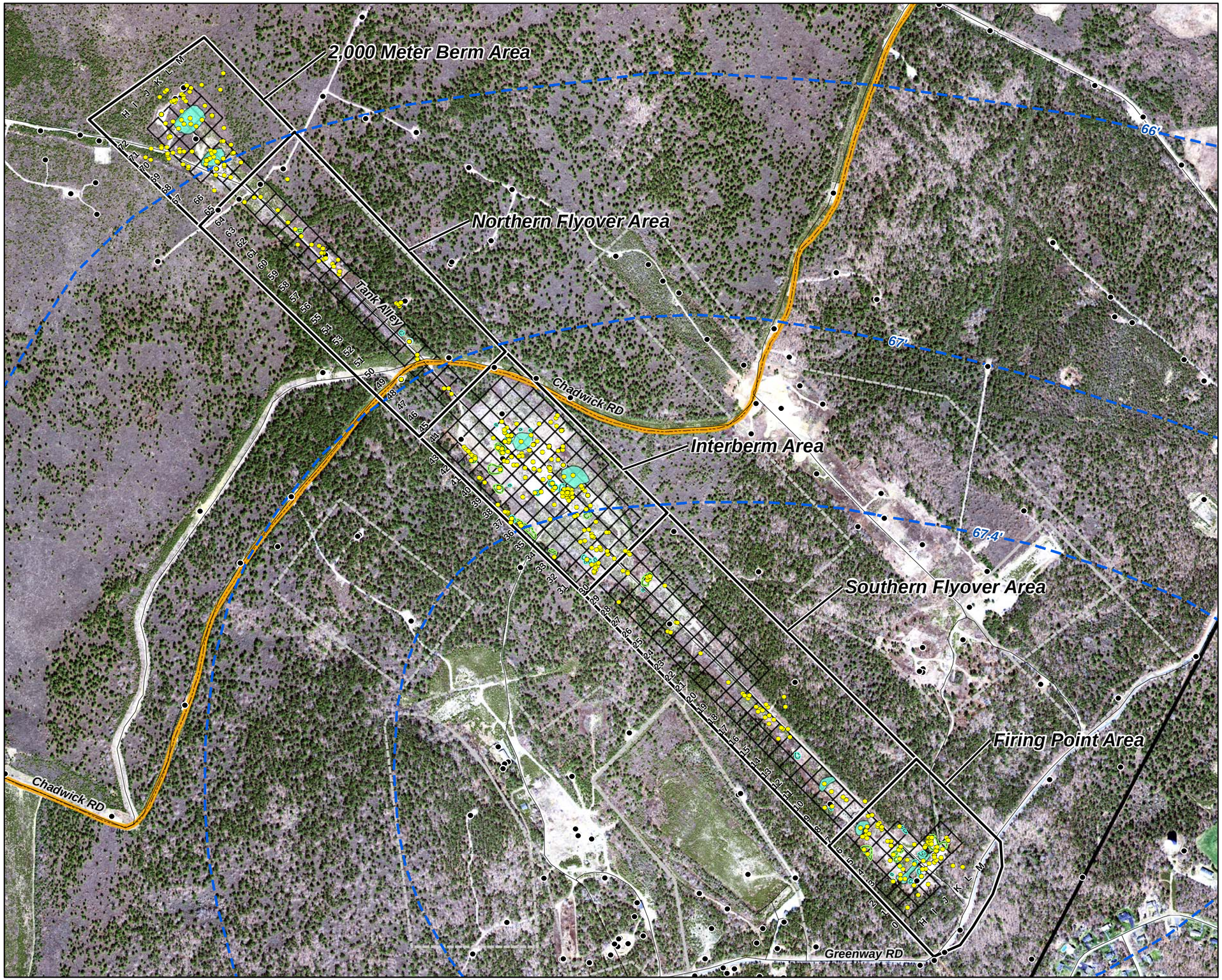
J-1 Range Southern Plume 2010 Plume Shell

FIGURE 3-12

JACOBS
Bourne, Massachusetts

Y:\IA_TERC\Projects\35AY53\02\20100708\ArcGIS\J1S_2010_rdx_plumeshell_20100609_final.mxd
July 8, 2010 Jim Piccuto Checked by Katie Thomas

Impact Area Groundwater Study Program

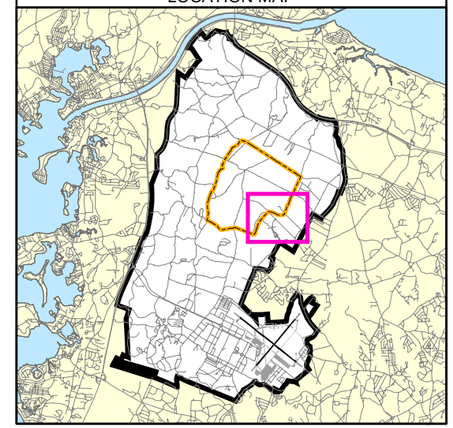


Impact Area Groundwater Study Program

LEGEND

- Sample Location
- Existing Monitoring Well
- Groundwater Contours (2004)
- Roads
- J-1 Soil RI Study Areas (5)
- MSP Phase III Polygons
- Additional Polygons
- Berms
- Impact Area Boundary
- J-1 Range Grids
- Southeast Ranges Boundaries

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from MA ARNG
Groundwater contours data from JEG

TITLE

J-1 Range Soil/Geophysical RI Study Areas

0 800 Feet

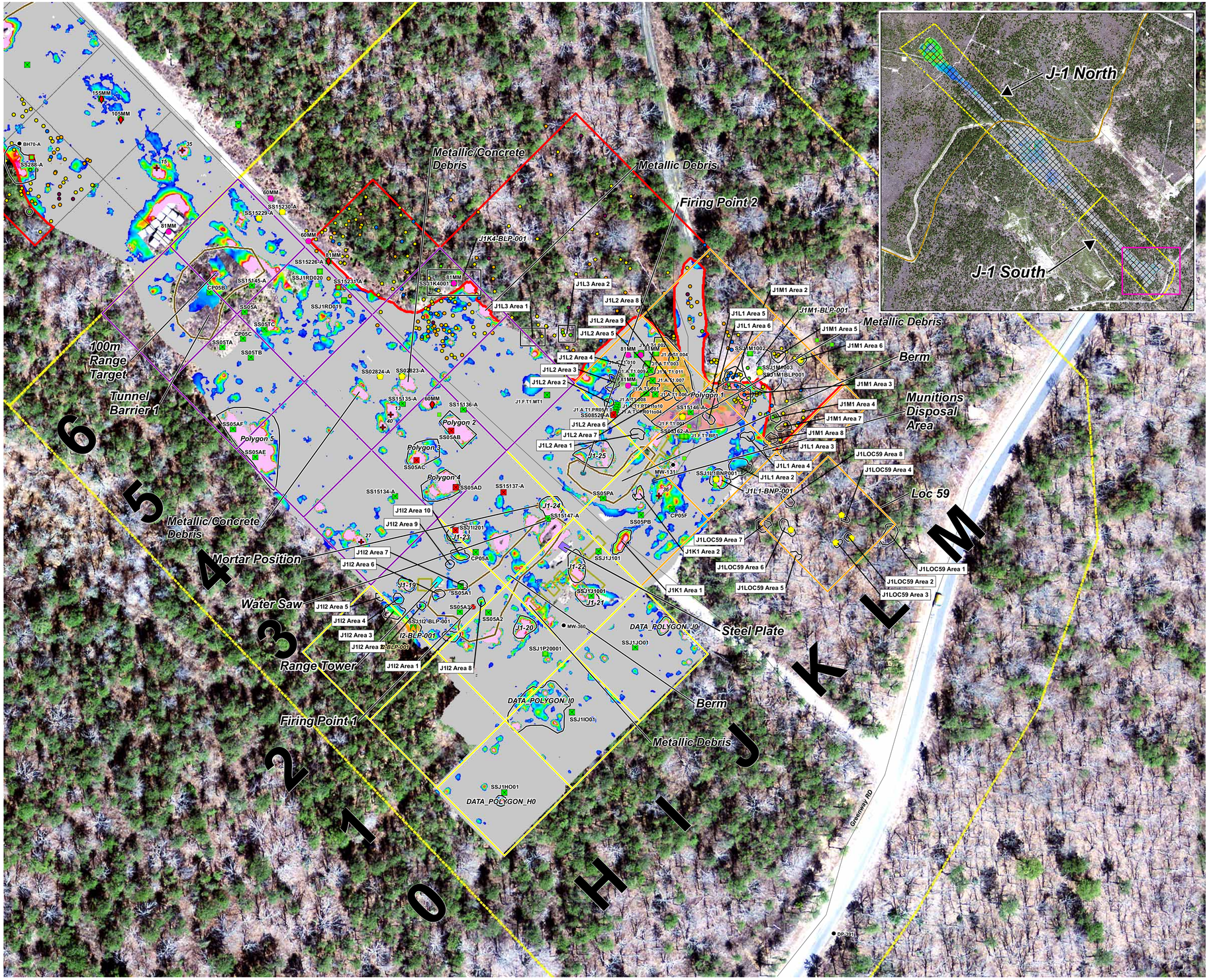
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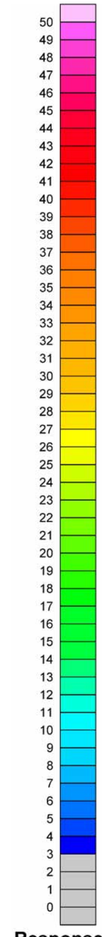
ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section4\Fig4-01_J1RangeSubareas.mxd
December 2009 Drawn By JYK Checked by PF

FIGURE

4-1





Impact Area Groundwater Study Program

LEGEND

- Potential Pit Anomalies
- Existing Monitoring Well

Munitions in Firing Point Area

- HE
- Possible HE
- Propellant/Energetic
- Small Quantity Energetic
- Inert

Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate
- Rows 3 through 6
- Firing Points, Administration Area for Munitions Testing
- Disposal Areas
- Geophysical Investigation Areas

Detailed Reconnaissance Investigation

- Subsurface- A (<6")
- Subsurface- B (6"-1')
- Subsurface- C (1'-3')
- Subsurface- D (3'-6')
- Subsurface- E (6'-13')
- Subsurface- F (>13')
- Areas of Recon
- Roads
- Berms
- Burial Pit
- Burn Pit
- Former Buildings
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries
- EM-61 Signal Data

NOTES & SOURCES

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

TITLE

J-1 Range Firing Point Area (Rows 0 to 6) Characterization Summary

0 100 200 Feet

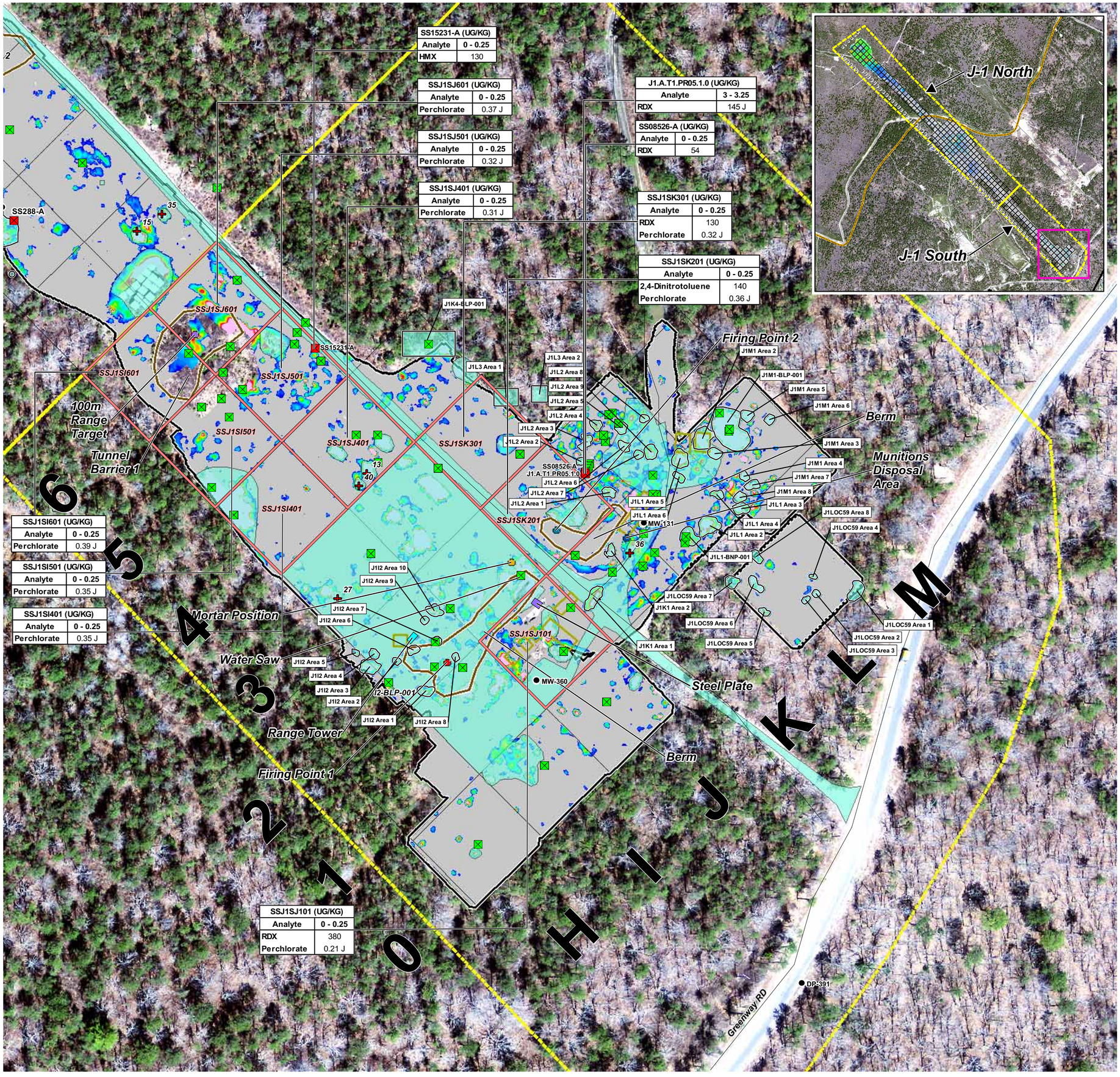
N

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\ITERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04\Fig4-02_J1Char_Subarea1_D.mxd
April 2010 Drawn by JYK Checked by PF

FIGURE

4-2



Impact Area Groundwater Study Program

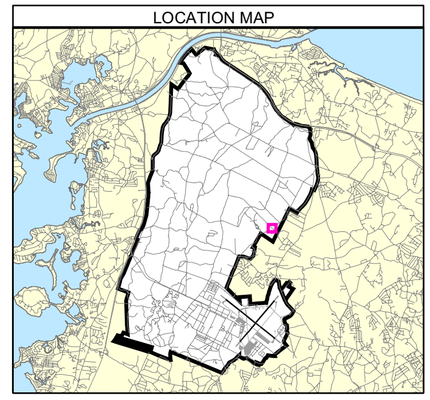
LEGEND

- Potential Pit Anomalies
- Existing Monitoring Well

Remaining Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate
- MIS Sampling Grids
- QC Target Grids Re-Surveyed in 2007
- Roads
- Berms
- Former Buildings
- Geophysical Anomalies Removed Areas
- Geophysically Surveyed Boundary
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries
- EM-61 Signal Data

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Firing Point Area (Rows 0 to 6) Existing Conditions Summary

0 50 100 Feet

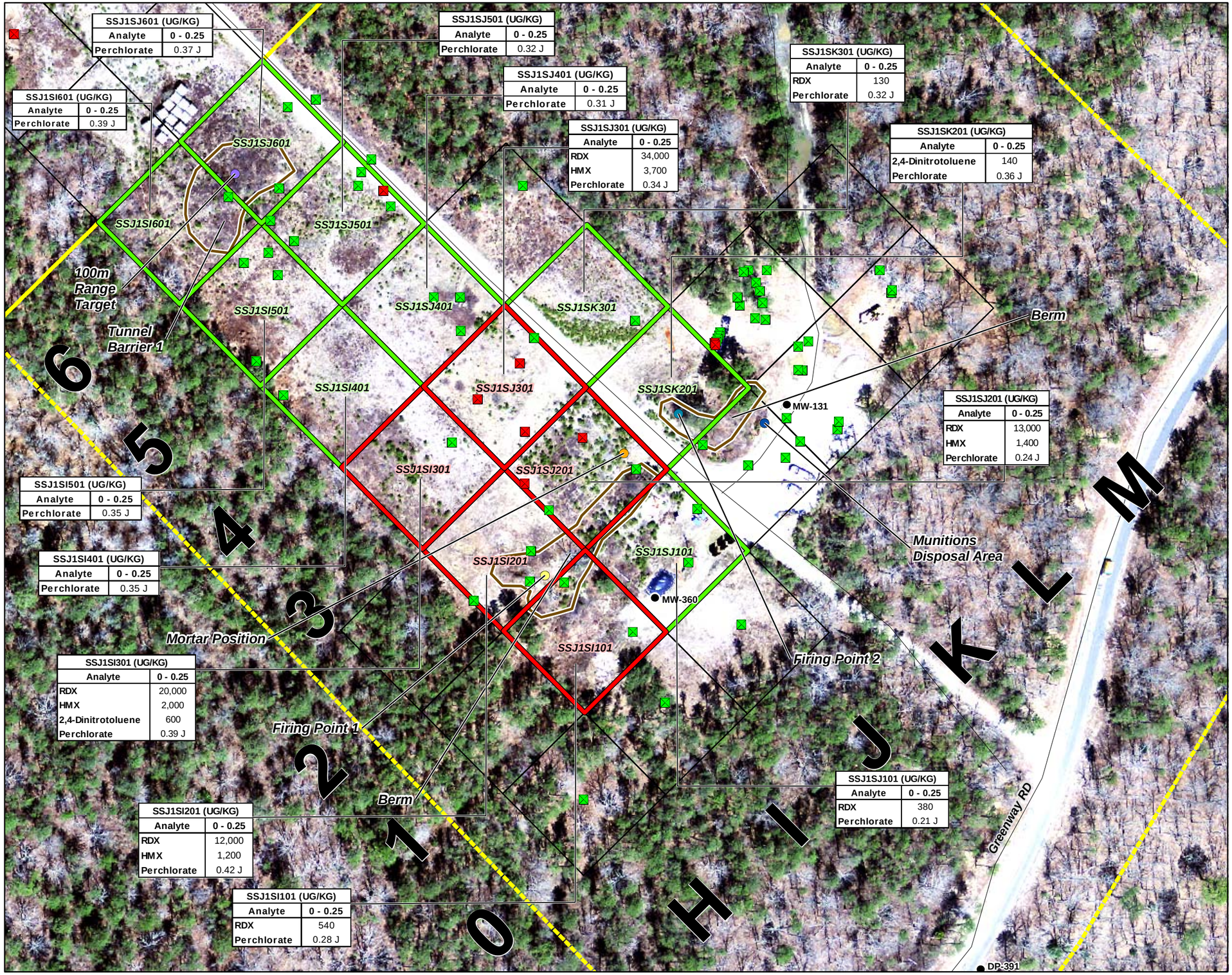
N

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04\Fig4-03_J1ExCond_Subarea1_C.mxd
April 2010 Drawn by JYK Checked by PF

FIGURE

4-3



Impact Area Groundwater Study Program

LEGEND

- Existing Monitoring Well

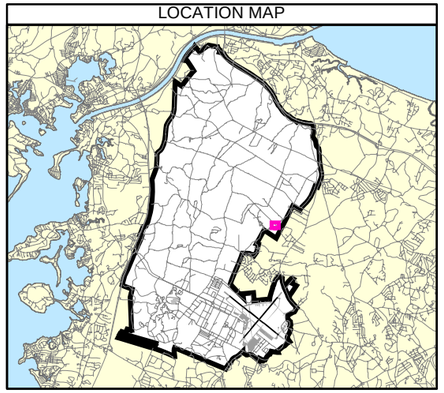
Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate

MIS Sampling Grids

- Excavated Grids
- Not Excavated Grids
- Berms
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Firing Point Area (Rows 0 to 6) MIS Sampling Results

0 100 Feet

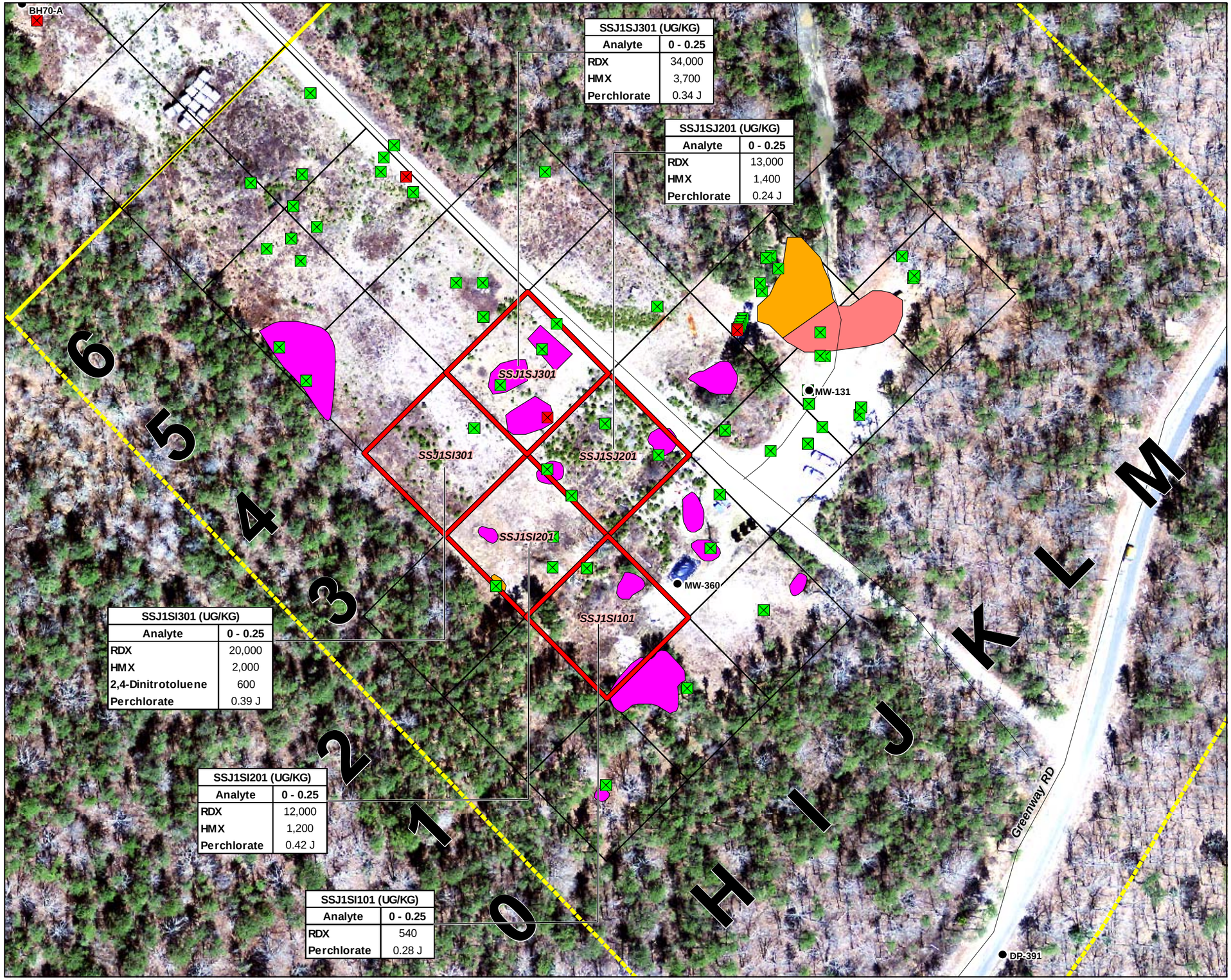
N

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04\Fig4-04_J1MIS_Subarea1.mxd
December 2009 Drawn By JYK Checked by PF

FIGURE

4-4



Impact Area Groundwater Study Program

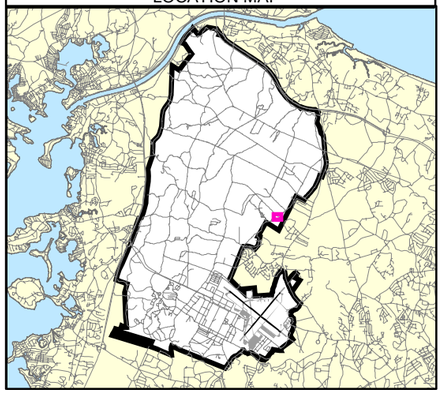
LEGEND

- Existing Monitoring Well

Remaining Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate
- Excavated Areas
- Roads
- Previously Investigated Polygons
- Burial Pit
- Burn Pit
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Firing Point Area (Rows 0 to 6) Excavated Areas Based on MIS Sample Results

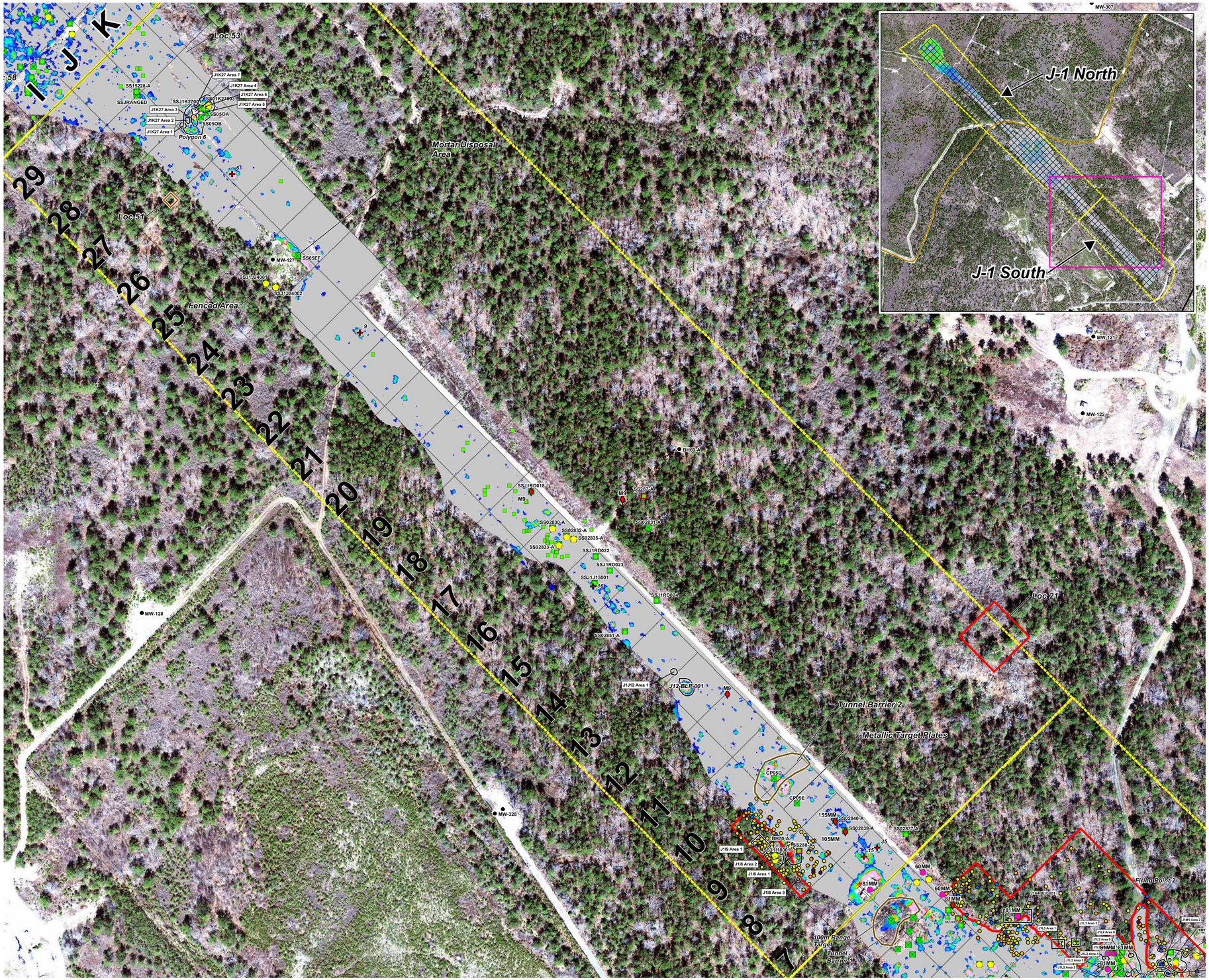
0 80 Feet

N

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04\Fig4-05_J1Excavation_Subarea1.mxd
April 2010 Drawn By JYK Checked by PF

FIGURE
4-5

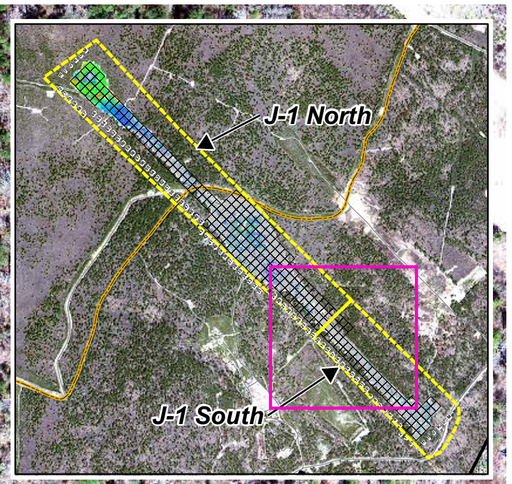

I
J
K
Loc 53
Loc 51
Loc 21
Mortar Disposal Area
Fenced Area
Tunnel Barrier 2
Metallic Target Plates
100m Range Target
Tunnel Barrier 1
Firing Point 2
J-1 North
J-1 South
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
MW-307
MW-127
MW-121
MW-122
MW-128
MW-328
BH69-A
SS11RD018
SS11RD022
SS11RD023
SS11RD024
SS02830-A
SS02831-A
SS02832-A
SS02833-A
SS02835-A
SS02837-A
SS02839-A
SS02840-A
SS05EE
SS05OA
SS05OB
SS15228-A
SSJRANGED
SS11K270A
SS11K2403
SS11124031
SS11124002
SS11J15001
SS11J15002
SS11J15003
SS11J15004
SS11J15005
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SS11J15030
SS11J15031
SS11J15032
SS11J15033
SS11J15034
SS11J15035
SS11J15036
SS11J15037
SS11J15038
SS11J15039
SS11J15040

SSJRANGED (UG/KG)	
Analyte	0 - 0.25
Tetryl	890

SS287-A (UG/KG)	
Analyte	0 - 0.25
RDX	14 J
Perchlorate	2.4 J

SSJ1I18001 (UG/KG)	
Analyte	0 - 0.25
RDX	22
Tetryl	28

SS288-A (UG/KG)	
Analyte	0 - 0.25
Perchlorate	2.2 J



Response mV

Impact Area Groundwater Study Program

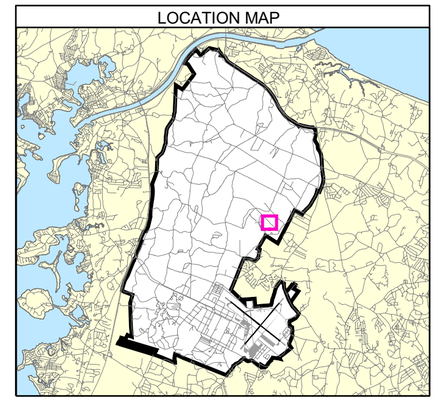
LEGEND

- Potential Pit Anomalies
- Existing Monitoring Well

Remaining Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate
- QC Target Grids Re-Surveyed in 2007
- Berms
- Former Buildings
- Geophysical Anomalies Removed Areas
- Geophysically Surveyed Boundary
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries
- EM-61 Signal Data

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Southern Flyover Area (Rows 7 to 29) Existing Conditions Summary

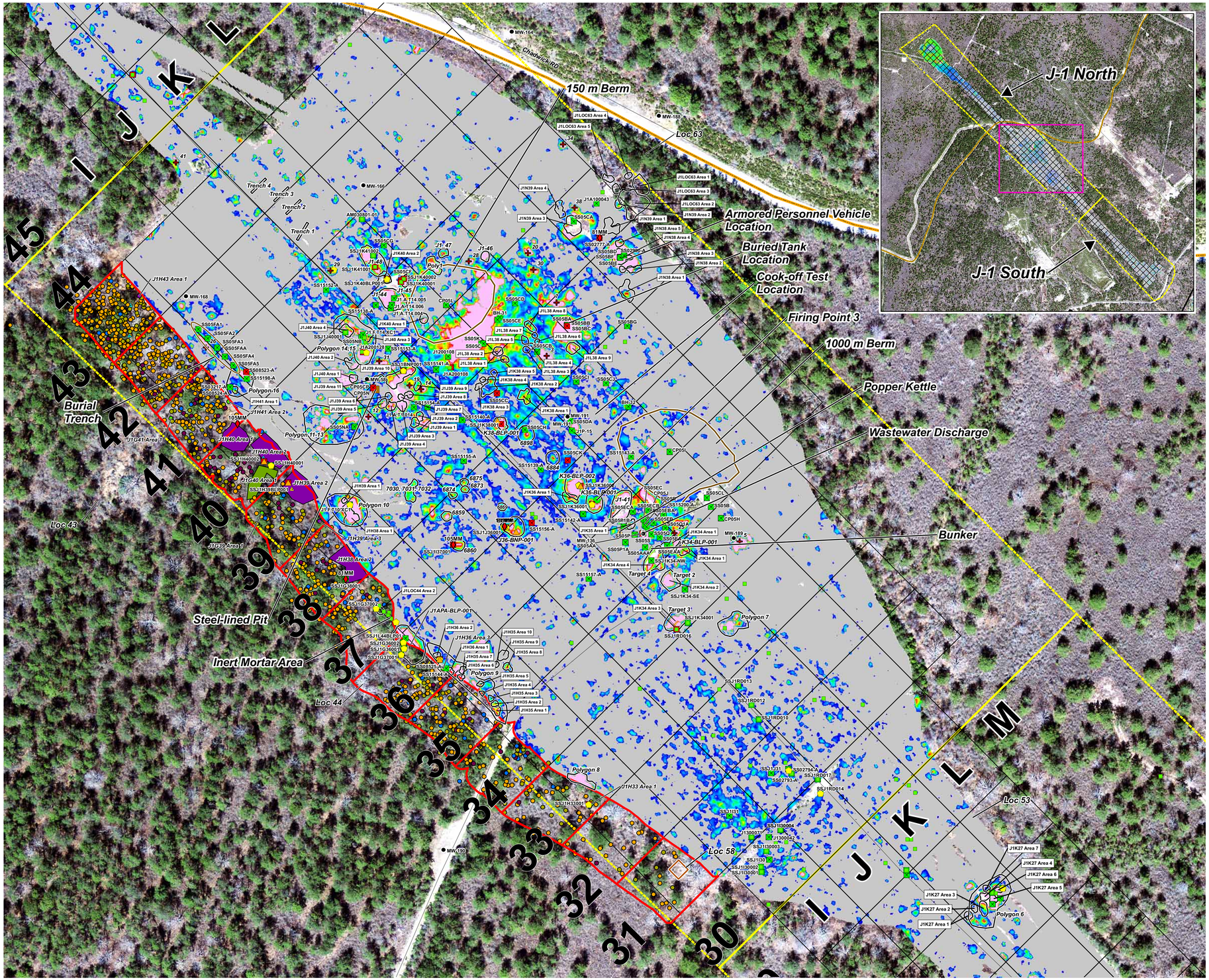
0 100 200 Feet

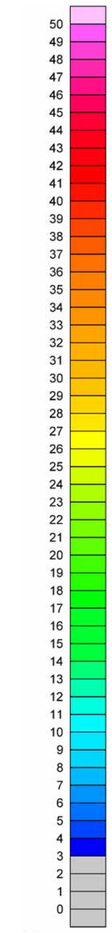
N

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04\Fig4-07_J1ExCond_Subarea2_C.mxd
December 2009 Drawn by JYK Checked by PF

FIGURE
4-7





Impact Area Groundwater Study Program

LEGEND

- Potential Pit Anomalies
- Existing Monitoring Well

Munitions in Interberm Area

- HE
- Possible HE
- Propellant/Energetic
- Small Quantity Energetic
- Inert

Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate

Aerial Assessment Investigation

- Intrusive Investigation (20 ft X 20 ft)
- Areas of Detailed Recon
- Geophysical Investigation Areas

Detailed Reconnaissance Investigation

- Subsurface- A (<6")
- Subsurface- B (6"-1')
- Subsurface- C (1'-3')
- Subsurface- D (3'-6')
- Subsurface- E (6'-13')
- Subsurface- F (>13')
- Surface MD
- Surface RRD
- Subsurface Polygon Anomaly
- Surface Polygon Anomaly
- Berms
- Roads
- Impact Area Boundary
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries
- EM-61 Signal Data

NOTES & SOURCES

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

TITLE

J-1 Range Interberm Area (Rows 30 to 44) Characterization Summary

0 100 200 Feet

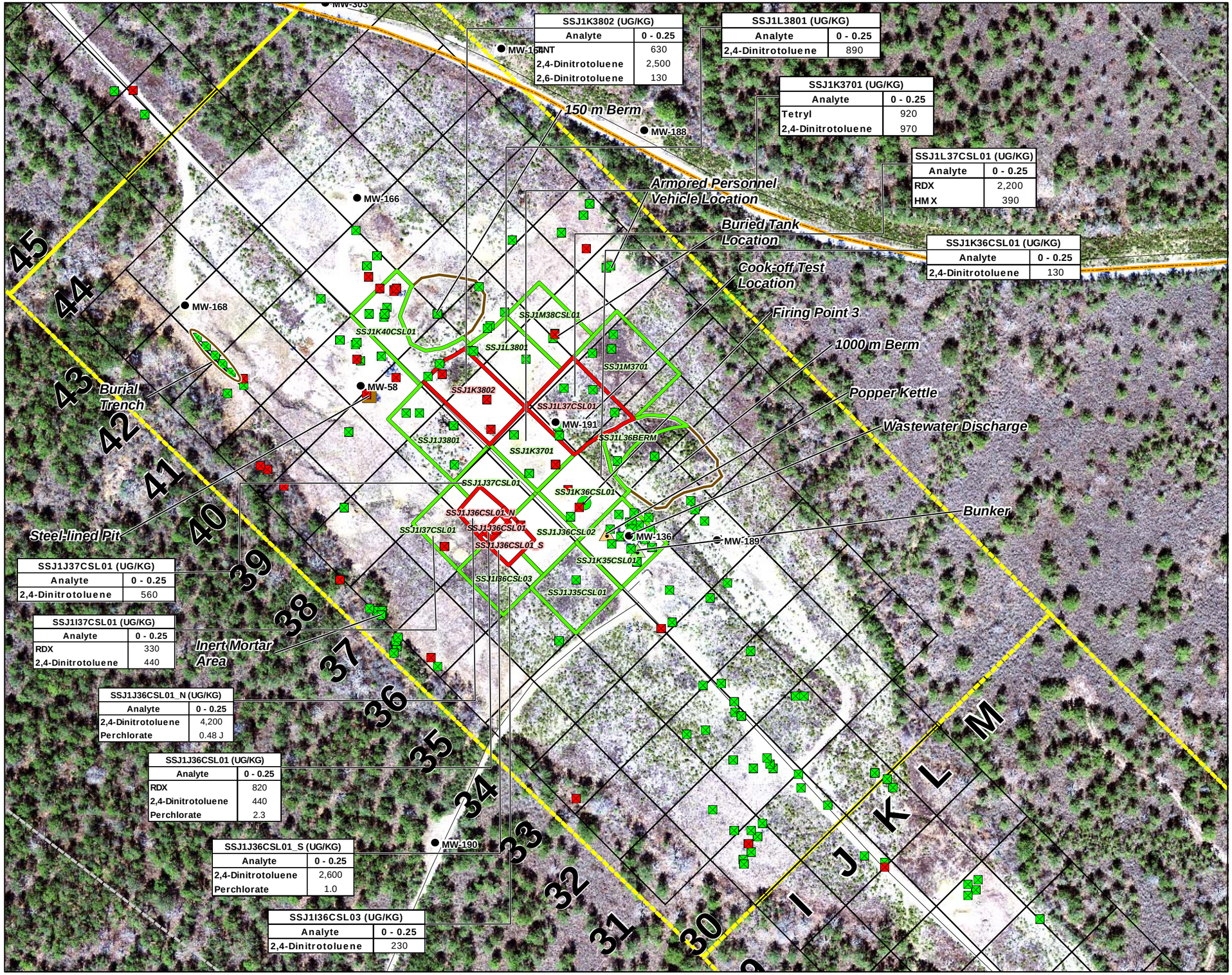
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ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04
\Fig4-08_J1Char_Subarea3_D.mxd
April 2010 Drawn by JYK Checked by PF

FIGURE

4-8



SSJ1K3802 (UG/KG)	
Analyte	0 - 0.25
2,4,6-TNT	630
2,4-Dinitrotoluene	2,500
2,6-Dinitrotoluene	130

SSJ1L3801 (UG/KG)	
Analyte	0 - 0.25
2,4-Dinitrotoluene	890

SSJ1K3701 (UG/KG)	
Analyte	0 - 0.25
Tetryl	920
2,4-Dinitrotoluene	970

SSJ1L37CSL01 (UG/KG)	
Analyte	0 - 0.25
RDX	2,200
HMX	390

SSJ1K36CSL01 (UG/KG)	
Analyte	0 - 0.25
2,4-Dinitrotoluene	130

SSJ1J37CSL01 (UG/KG)	
Analyte	0 - 0.25
2,4-Dinitrotoluene	560

SSJ1I37CSL01 (UG/KG)	
Analyte	0 - 0.25
RDX	330
2,4-Dinitrotoluene	440

SSJ1J36CSL01_N (UG/KG)	
Analyte	0 - 0.25
2,4-Dinitrotoluene	4,200
Perchlorate	0.48 J

SSJ1J36CSL01 (UG/KG)	
Analyte	0 - 0.25
RDX	820
2,4-Dinitrotoluene	440
Perchlorate	2.3

SSJ1J36CSL01_S (UG/KG)	
Analyte	0 - 0.25
2,4-Dinitrotoluene	2,600
Perchlorate	1.0

SSJ1I36CSL03 (UG/KG)	
Analyte	0 - 0.25
2,4-Dinitrotoluene	230

Impact Area Groundwater Study Program

LEGEND

- Existing Monitoring Well

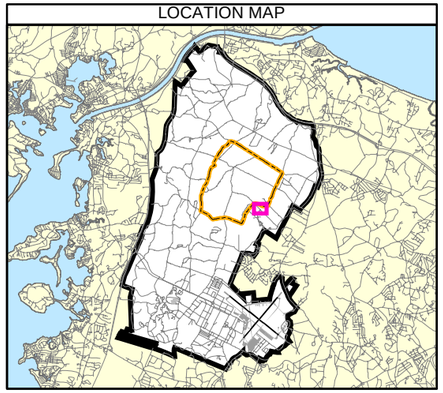
Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate

MIS Sampling Grids

- Excavated Grids
- Not Excavated Grids
- Berms
- Impact Area Boundary
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Interberm Area (Rows 30 to 44) MIS Sampling Results

0 200 Feet

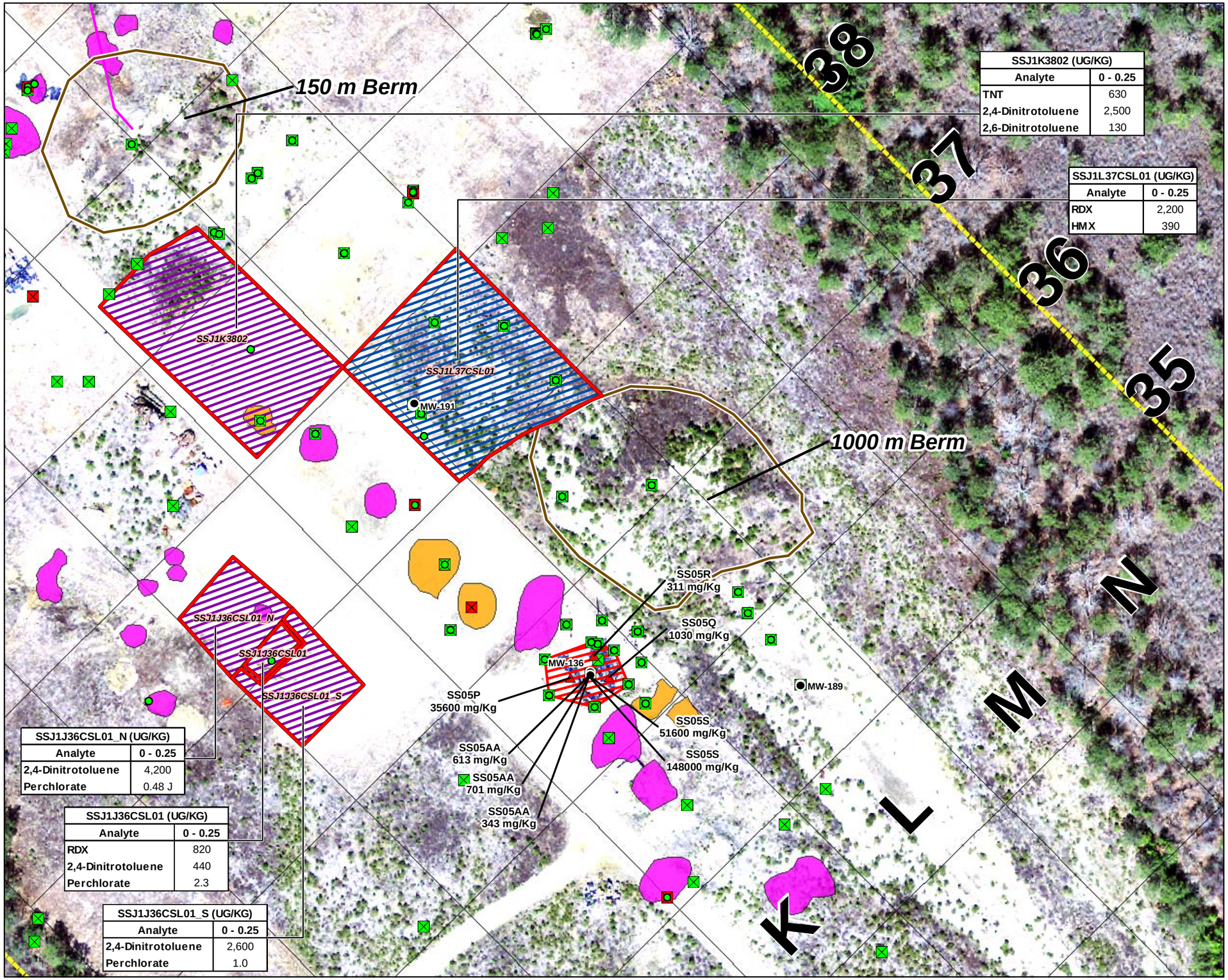
N

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04\Fig4-09_J1MIS_Subarea3.mxd
December 2009 Drawn By JYK Checked by PF

FIGURE

4-9



SSJ1K3802 (UG/KG)	
Analyte	0 - 0.25
TNT	630
2,4-Dinitrotoluene	2,500
2,6-Dinitrotoluene	130

SSJ1L37CSL01 (UG/KG)	
Analyte	0 - 0.25
RDX	2,200
HMX	390

SSJ1J36CSL01_N (UG/KG)	
Analyte	0 - 0.25
2,4-Dinitrotoluene	4,200
Perchlorate	0.48 J

SSJ1J36CSL01 (UG/KG)	
Analyte	0 - 0.25
RDX	820
2,4-Dinitrotoluene	440
Perchlorate	2.3

SSJ1J36CSL01_S (UG/KG)	
Analyte	0 - 0.25
2,4-Dinitrotoluene	2,600
Perchlorate	1.0

Impact Area Groundwater Study Program

LEGEND

- Existing Monitoring Well

Lead Sample Locations (Pre-excavation)

- >= 300 mg/kg
- < 300 mg/kg

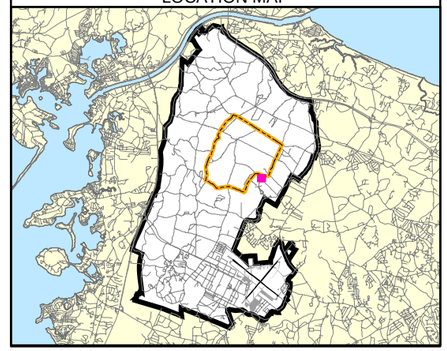
Remaining Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate
- Excavated MIS Sampling Grids

Excavated Areas

- Excavation Depth - 0.5 ft bgs (RDX)
- Excavation Depth - 0.5 ft bgs (2,4-DNT)
- Excavation Depth - 1 ft bgs (Lead)
- Berms
- Trenches
- Previously Investigated Polygons
- Burial Pit
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Interberm Area (Rows 30 to 44) Excavated Areas Based on MIS Sample Results

0 80 Feet

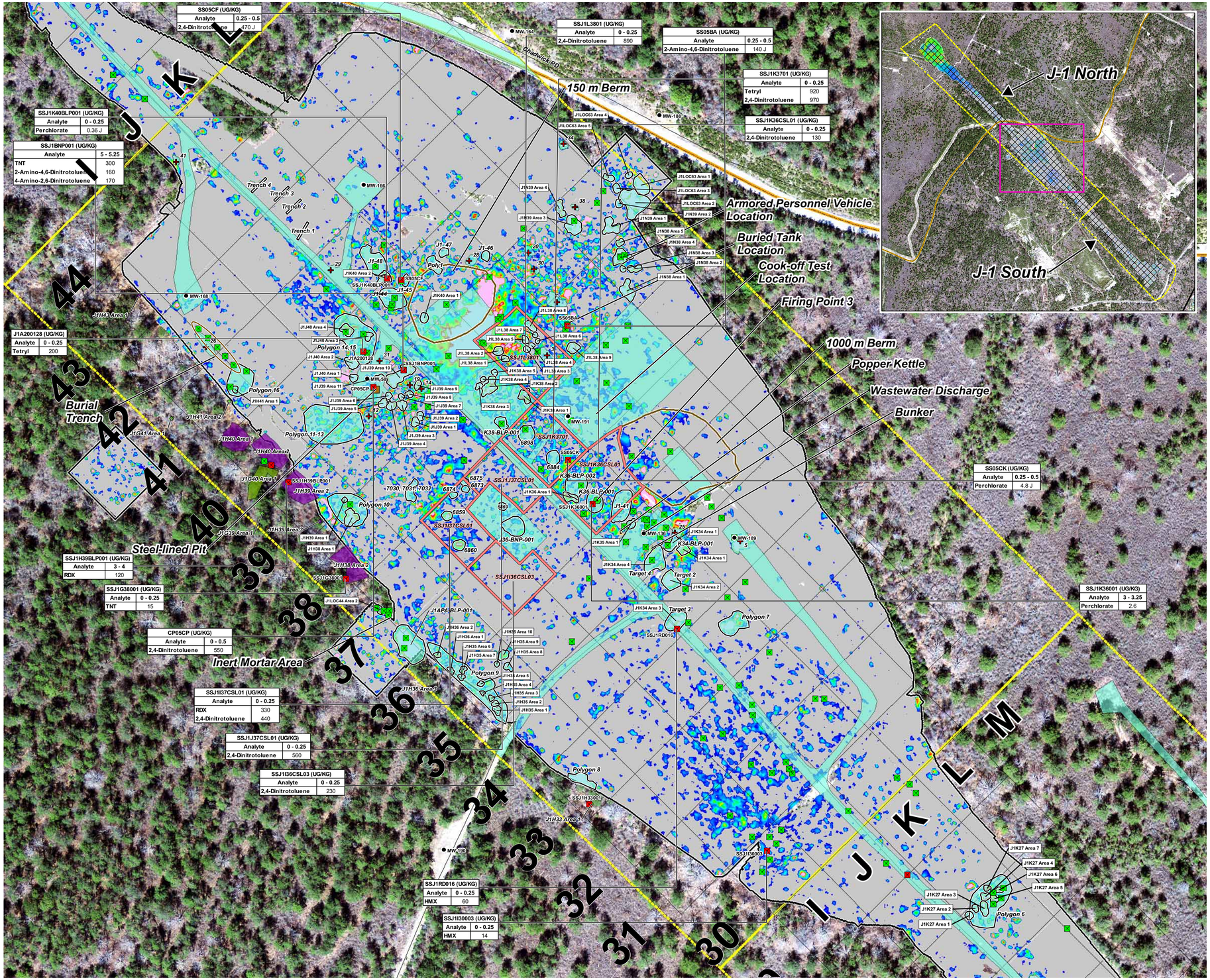
N

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section4\Fig4-10_J1Excavation_Subarea3.mxd
April 2010 Drawn by JYK Checked by PF

FIGURE

4-10



Impact Area Groundwater Study Program

LEGEND

- Potential Pit Anomalies
- Existing Monitoring Well

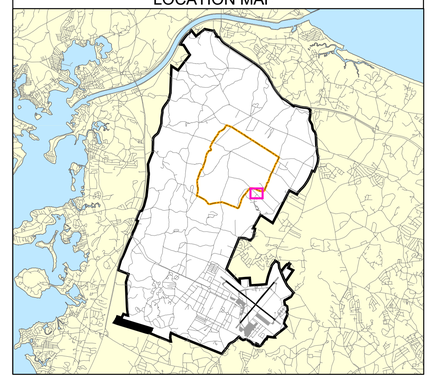
Remaining Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate
- MIS Sampling Grids
- Geophysical Investigation Areas

Detailed Reconnaissance Investigation

- Subsurface Polygon Anomaly
- Surface Polygon Anomaly
- Berms
- Geophysical Anomalies Removed Areas
- Geophysically Surveyed Boundary
- Roads
- Impact Area Boundary
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries
- EM-61 Signal Data

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range
Interberm Area
(Rows 30 to 44)
Existing Conditions Summary

0 100 200 Feet

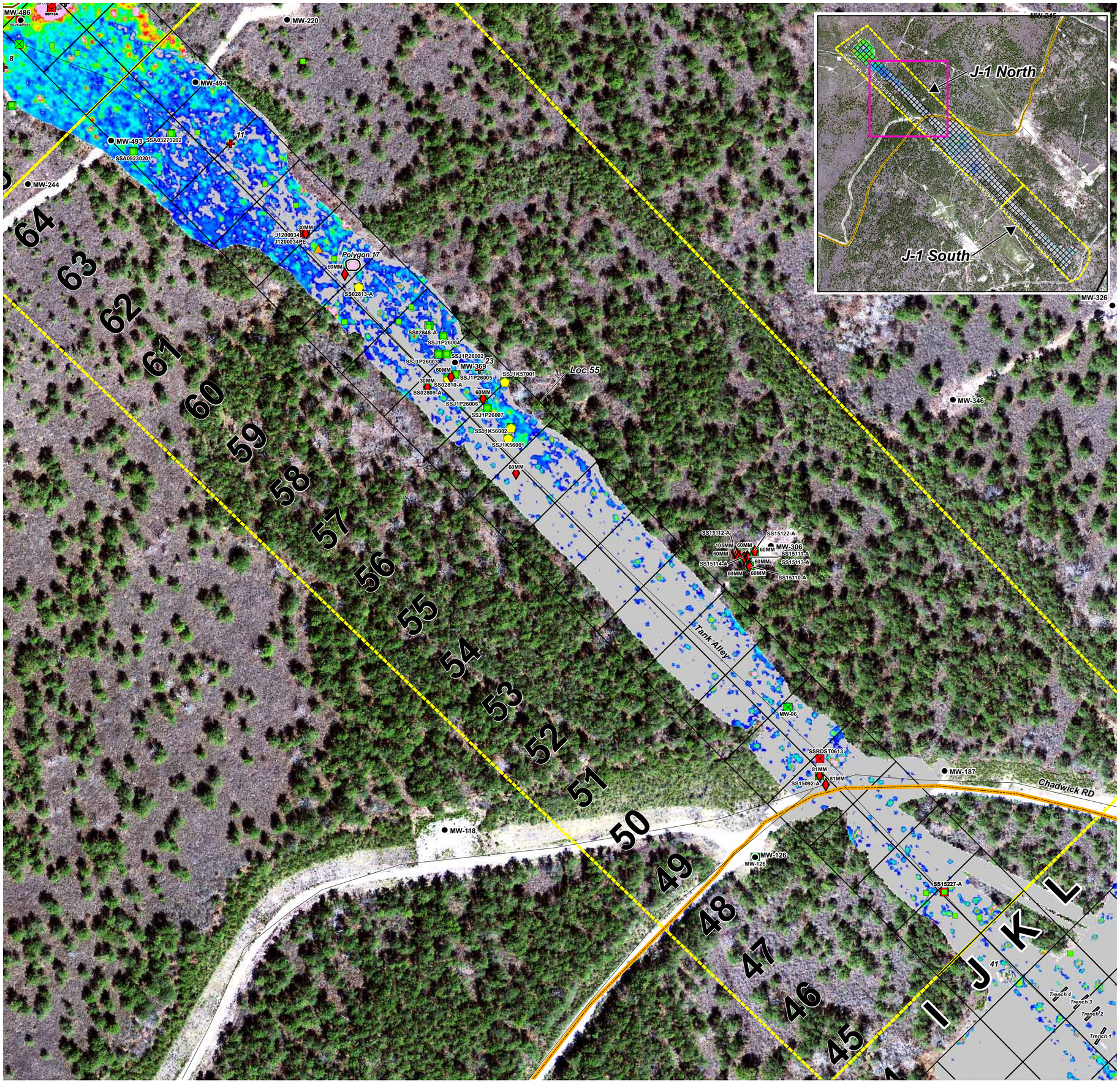
N

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\U1_SoilRI\U1CombinedRI_Figs\U1RI_Section04
\Fig4-11_J1ExCond_Subarea3_D.mxd
April 2010 Drawn by JYK Checked by PF

FIGURE

4-11



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

Impact Area Groundwater Study Program

LEGEND

- Potential Pit Anomalies
- Existing Monitoring Well

Munitions in Northern Flyover Area

- HE
- Possible HE
- Propellant/Energetic
- Small Quantity Energetic
- Inert

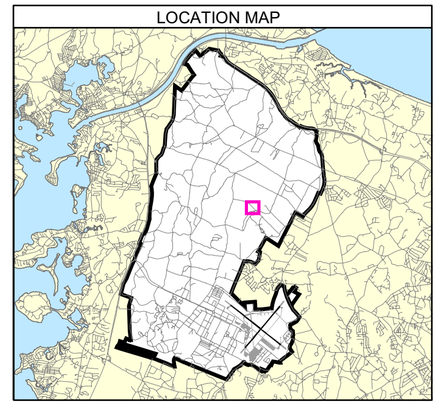
Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate

Aerial Assessment Investigation

- Geophysical Investigation Areas
- Berms
- Roads
- Impact Area Boundary
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries
- EM-61 Signal Data

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Northern Flyover Area (Rows 45 to 64) Characterization Summary

0 100 200 Feet

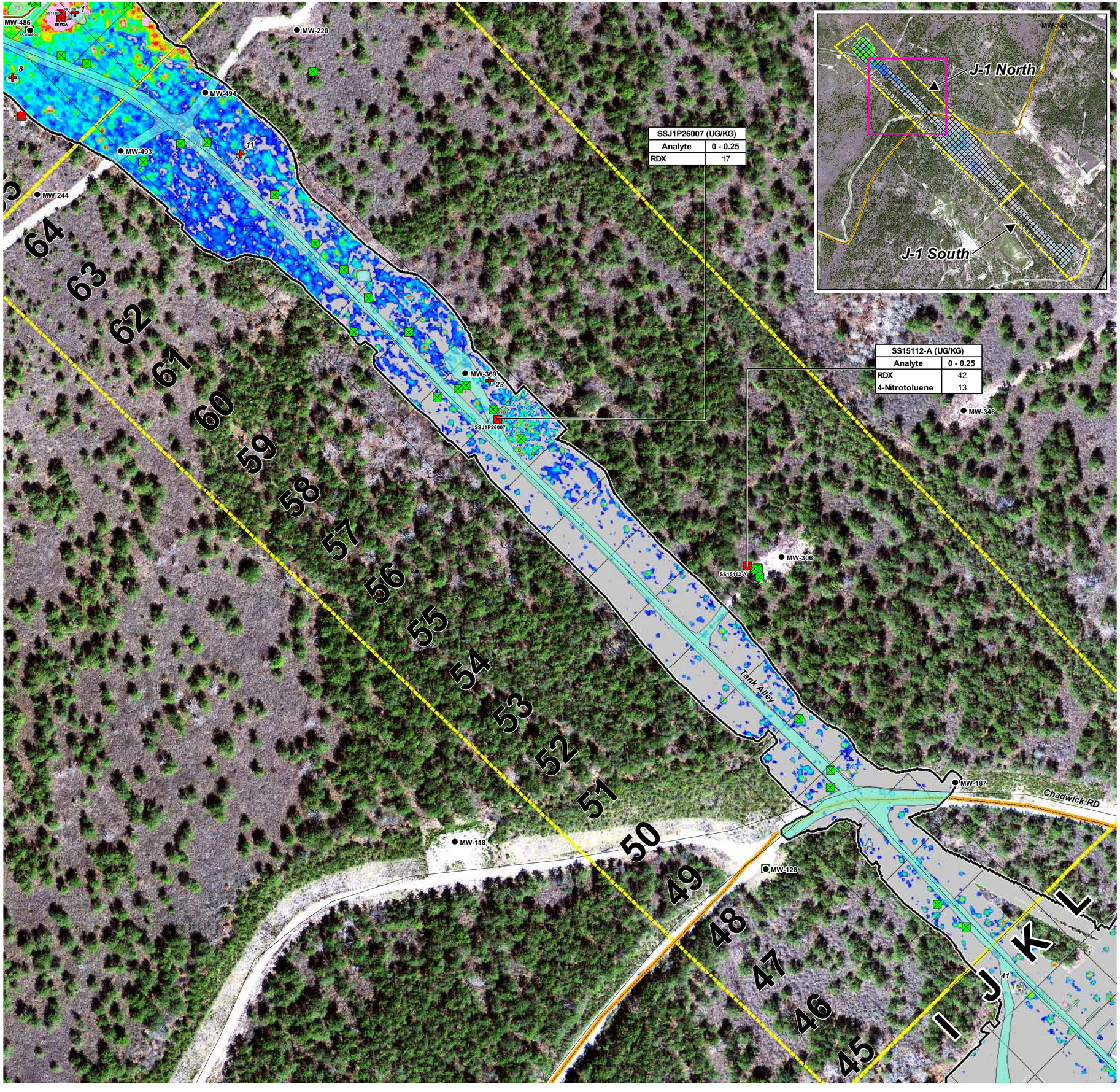
N

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04
\Fig4-12_J1Char_Subarea4_C.mxd
April 2010 Drawn by JYK Checked by PF

FIGURE

4-12



Impact Area Groundwater Study Program

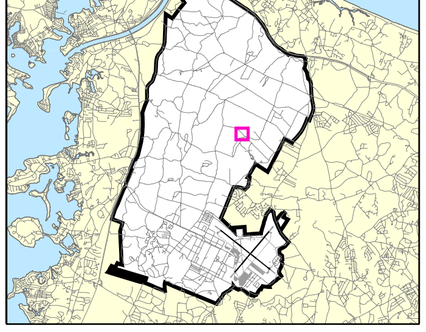
LEGEND

- Potential Pit Anomalies
- Existing Monitoring Well

Remaining Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate
- QC Target Grids Re-Surveyed in 2007
- Berms
- Roads
- Geophysical Anomalies Removed Areas
- Geophysically Surveyed Boundary
- Impact Area Boundary
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries
- EM-61 Signal Data

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range Northern Flyover Area (Rows 45 to 64) Existing Conditions Summary

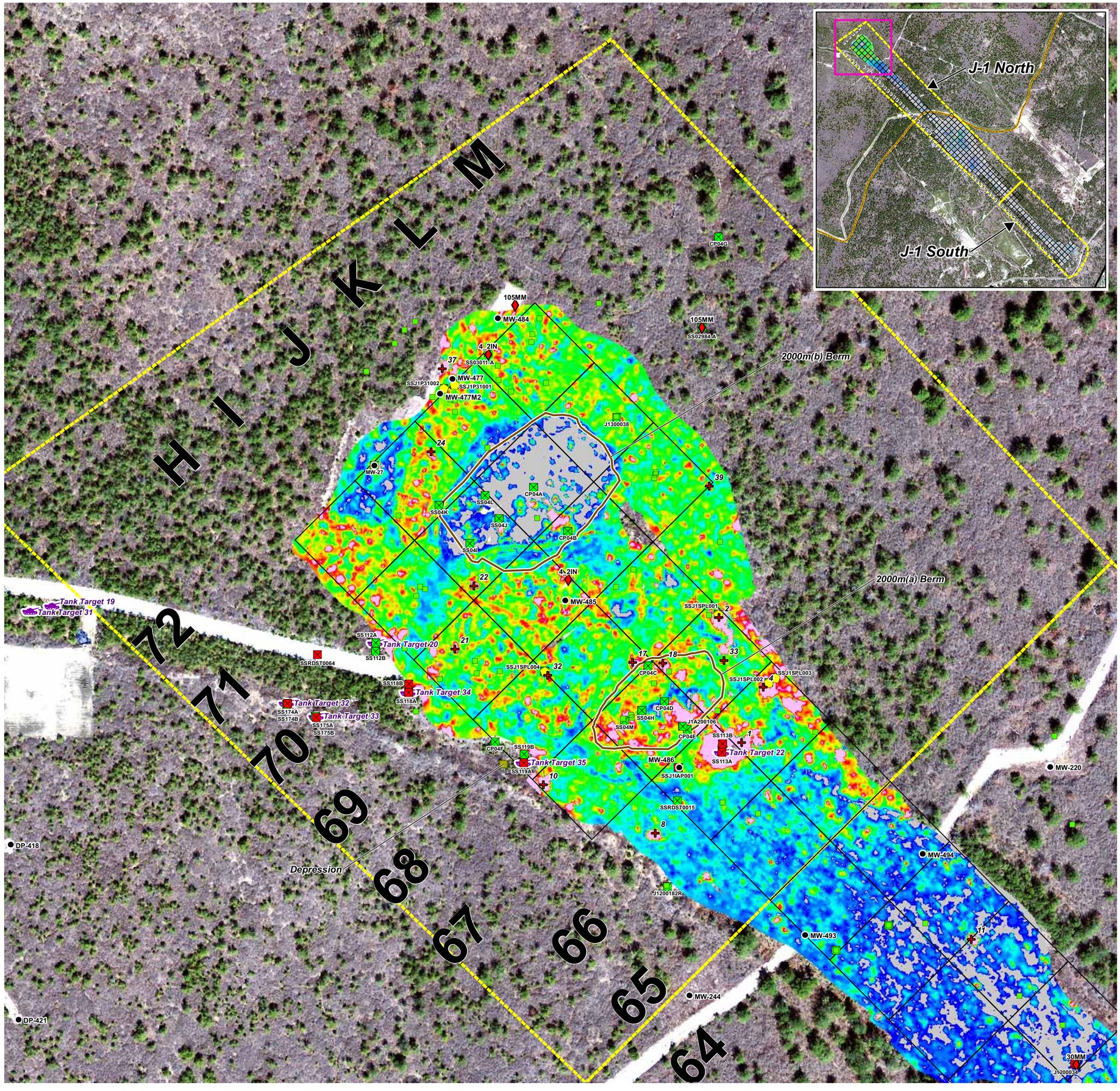
0 100 200 Feet

N

ECC MMR
Cape Cod, Massachusetts

FIGURE
4-13

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04
\Fig4-13_J1ExCond_Subarea4_C.mxd
December 2009 Drawn by JYK Checked by PF



Impact Area Groundwater Study Program

LEGEND

- Potential Pit Anomalies
- Existing Monitoring Well

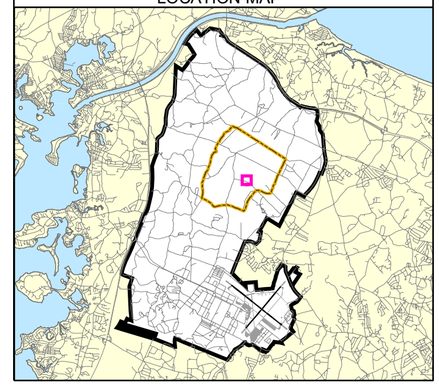
Munitions in 2,000 Meter Berm Area

- HE
- Possible HE
- Propellant/Energetic
- Small Quantity Energetic
- Inert

Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate
- Tank Target Location
- Geophysical Investigation Areas
- Berms
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries
- EM-61 Signal Data

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range 2,000 Meter Berm Area (Rows 65 to 72) Characterization Summary

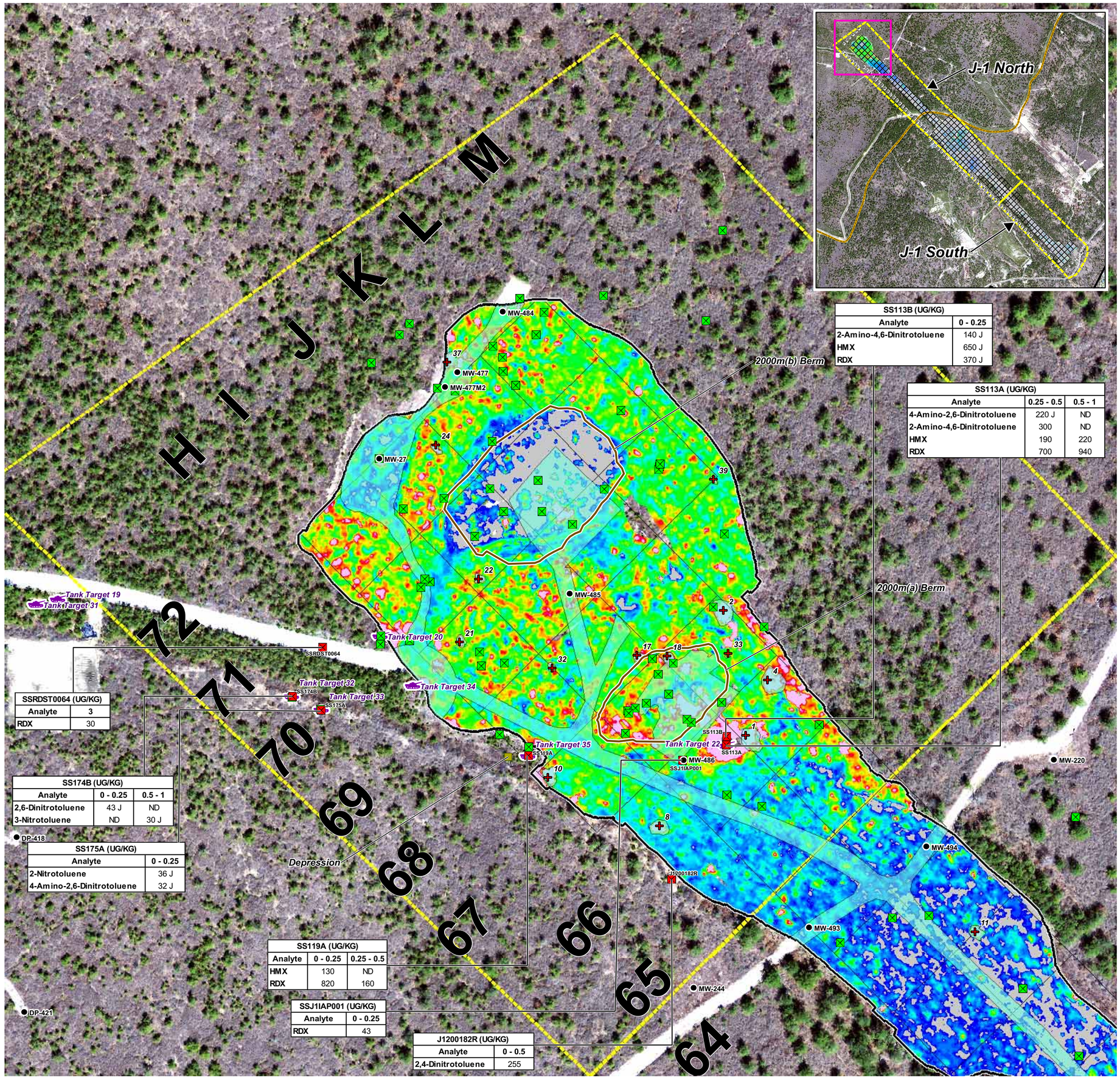
0 100 200 Feet

N

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04
\Fig4-14_J1Char_Subarea5_C.mxd
December 2009 Drawn by JYK Checked by PF

FIGURE
4-14



SS113B (UG/KG)	
Analyte	0 - 0.25
2-Amino-4,6-Dinitrotoluene	140 J
HMX	650 J
RDX	370 J

SS113A (UG/KG)		
Analyte	0.25 - 0.5	0.5 - 1
4-Amino-2,6-Dinitrotoluene	220 J	ND
2-Amino-4,6-Dinitrotoluene	300	ND
HMX	190	220
RDX	700	940

SSRDST0064 (UG/KG)	
Analyte	3
RDX	30

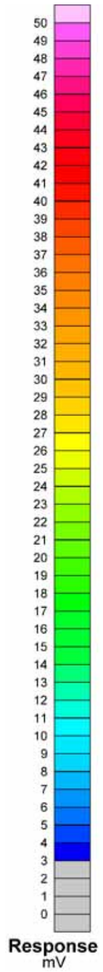
SS174B (UG/KG)		
Analyte	0 - 0.25	0.5 - 1
2,6-Dinitrotoluene	43 J	ND
3-Nitrotoluene	ND	30 J

SS175A (UG/KG)	
Analyte	0 - 0.25
2-Nitrotoluene	36 J
4-Amino-2,6-Dinitrotoluene	32 J

SS119A (UG/KG)		
Analyte	0 - 0.25	0.25 - 0.5
HMX	130	ND
RDX	820	160

SSJ1IAP001 (UG/KG)	
Analyte	0 - 0.25
RDX	43

J1200182R (UG/KG)	
Analyte	0 - 0.5
2,4-Dinitrotoluene	255



Impact Area Groundwater Study Program

LEGEND

- Potential Pit Anomalies
- Existing Monitoring Well

Remaining Soil Sample Locations

- Detections for Explosives and/or Perchlorate
- Nondetections for Explosives and Perchlorate
- Tank Target Location
- Berms
- Geophysical Anomalies Removed Areas
- Geophysically Surveyed Boundary
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries
- EM-61 Signal Data

LOCATION MAP

NOTES & SOURCES

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

TITLE

J-1 Range 2,000 Meter Berm Area (Rows 65 to 72) Existing Conditions Summary

0 100 200 Feet

ECC MMR
Cape Cod, Massachusetts

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\J1RI_Section04\Fig4-15_J1ExCond_Subarea5_C.mxd
December 2009 Drawn by JYK Checked by PF

FIGURE
4-15



Impact Area Groundwater Study Program

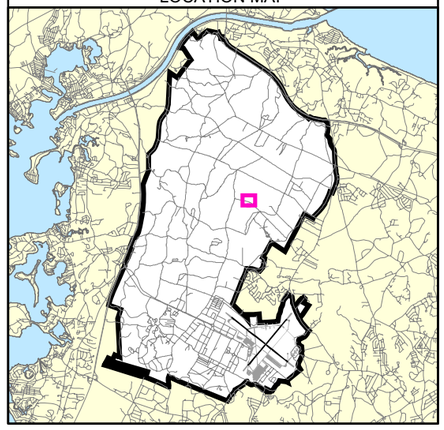
LEGEND

- Existing Monitoring Well
- Tank Target Location

Excavated Area

- Excavation Depth - 1.5 ft bgs
- Berms
- Roads
- J-1 Range Grids
- J-1 Soil RI Study Area Boundaries

LOCATION MAP



NOTES & SOURCES

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

TITLE

J-1 Range
2,000 Meter Berm Area
(Rows 65 to 72)
Excavated Area

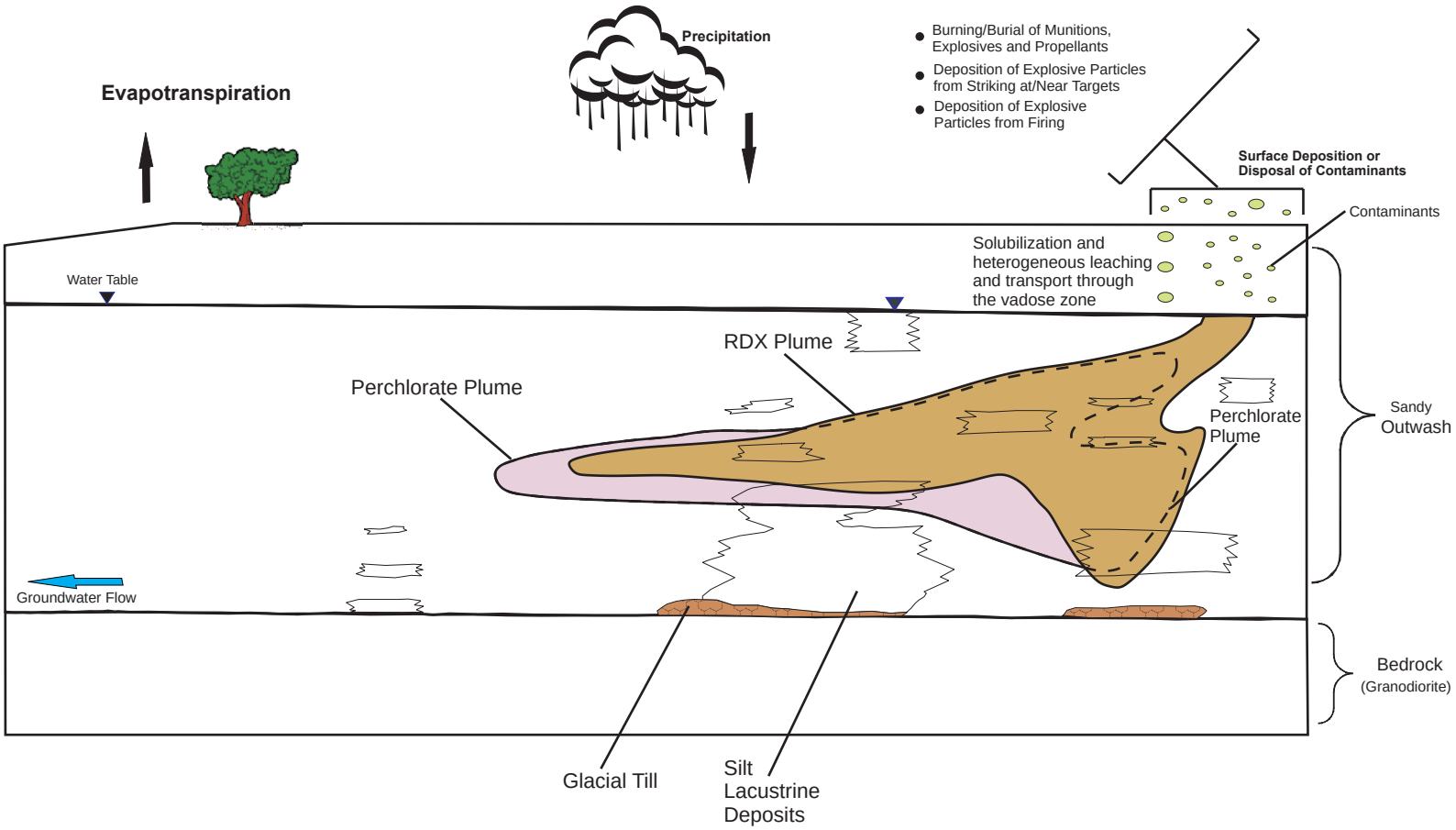
0 200 Feet

N

ECC MMR
Cape Cod, Massachusetts

FIGURE
4-16

ECC GIS Server
C:\TERC_GIS\CTO002\J1_SoilRI\J1CombinedRI_Figs\
J1RI_Section4\Fig4-16_J1Excavation_Subarea5.mxd
December 2009 Drawn By JYK Checked by PF



Note: Model is not to scale, vertical dimension is exaggerated.

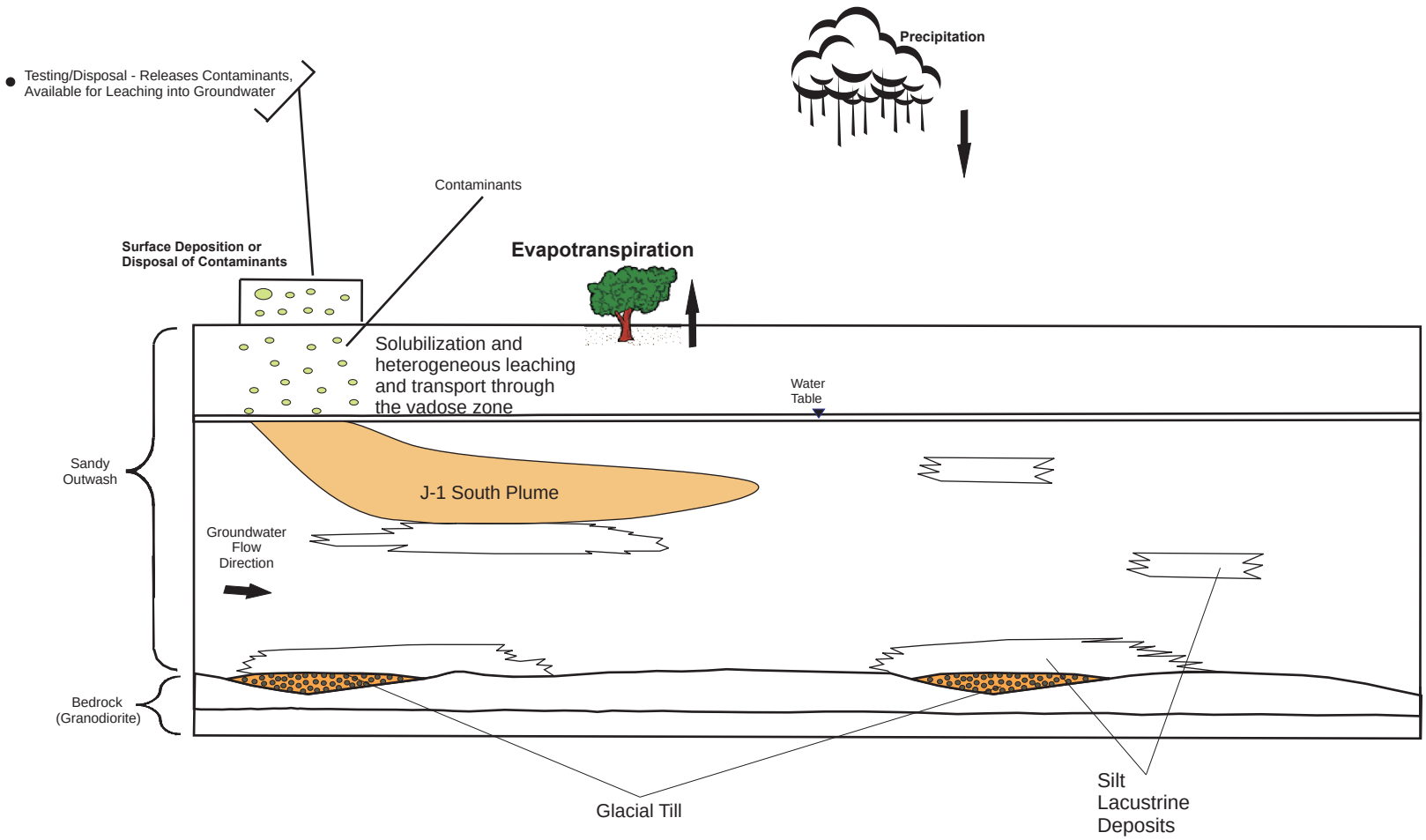
Impact Area Groundwater Study Program

J-1 Range North Groundwater Conceptual Model

Massachusetts Military Reservation
Cape Cod, Massachusetts

File: Y:\IA_TERC\Projects\35AY53\02\20100708\Corel\J1_range_conceptual_model_final.cdr jp 07/08/10

Figure 5-1



Note: Model is not to scale, vertical dimension is exaggerated.

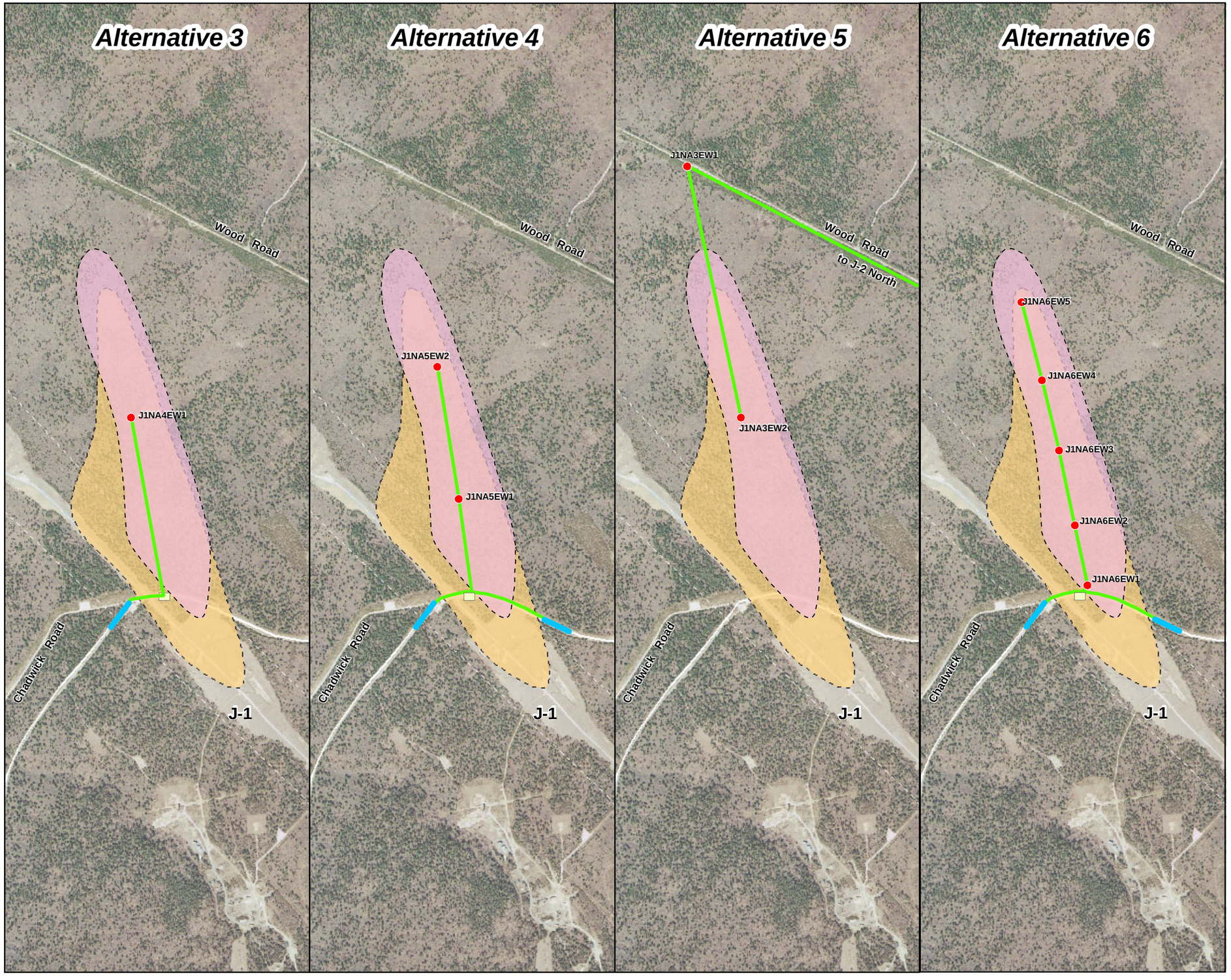
Impact Area Groundwater Study Program

J-1 Range South Groundwater Conceptual Model

Massachusetts Military Reservation
Cape Cod, Massachusetts

File: Y:\IA_TERC\Projects\35AY53\02\20100708\Core\J1_south_conceptual_model_final.cdr jp 07/8/10

Figure 5-2



Impact Area Groundwater Study Program

LEGEND

RDX Detection

0.6 µg/L

Perchlorate Detection

2 µg/L

Conceptual Location of Mobile Treatment Units

Conceptual Extraction Well

Conceptual Pipeline

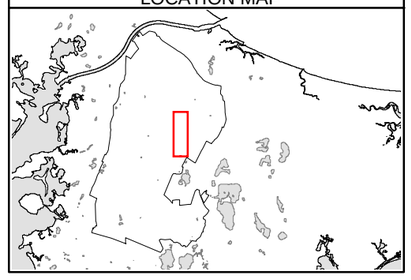
Conceptual Infiltration Trench

Range Boundary

Impact Area Boundary

µg/L = micrograms per liter
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from US Geological Survey 7 1/2 minute

TITLE

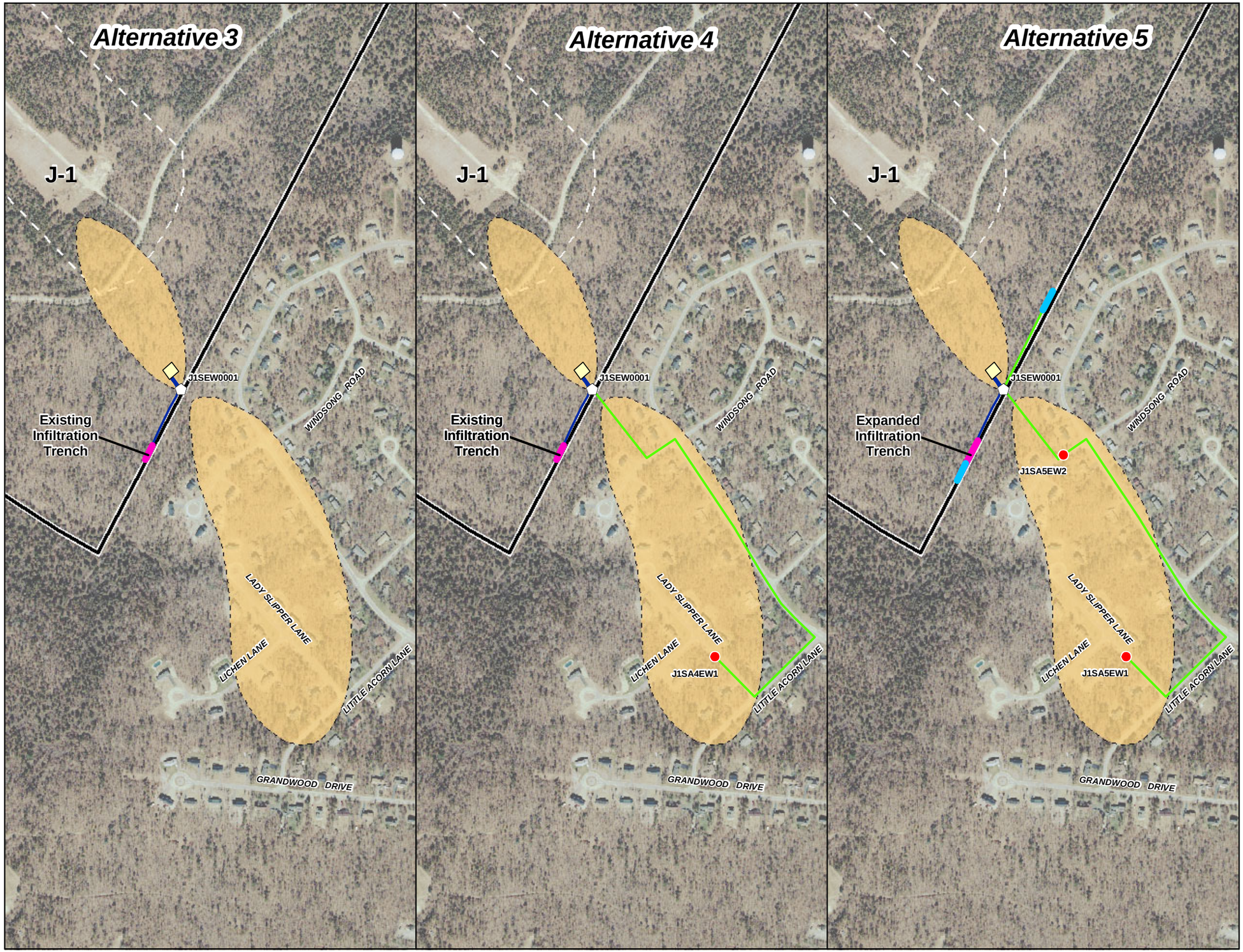
J-1 Range North Conceptual Design
Groundwater Alternatives 3, 4, 5 and 6

0 700 Feet

N

Jacobs
Bourne, Massachusetts
Y:\IA_TERC\Projects\35AY53\02\20100708\ArcGIS\
j1_north_alternatives_final.mxd July 8, 2010
DWN BY: JPICCUITO CHKD BY: KThomas

FIGURE
9-1



Impact Area Groundwater Study Program

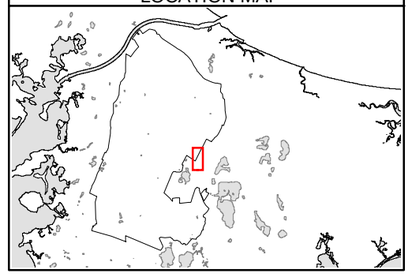
LEGEND

RDX Detection
- 0.6 µg/L

- Extraction Well
- Conceptual Location of Mobile Treatment Units
- Conceptual Extraction Well
- Existing Infiltration Trench
- Conceptual Pipeline
- Conceptual Infiltration Trench
- Existing Pipeline
- MMR Boundary
- Range Boundary

µg/L = micrograms per liter
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from US Geological Survey 7 1/2 minute

TITLE

J-1 Range South Conceptual Design Groundwater Alternatives 3, 4 and 5

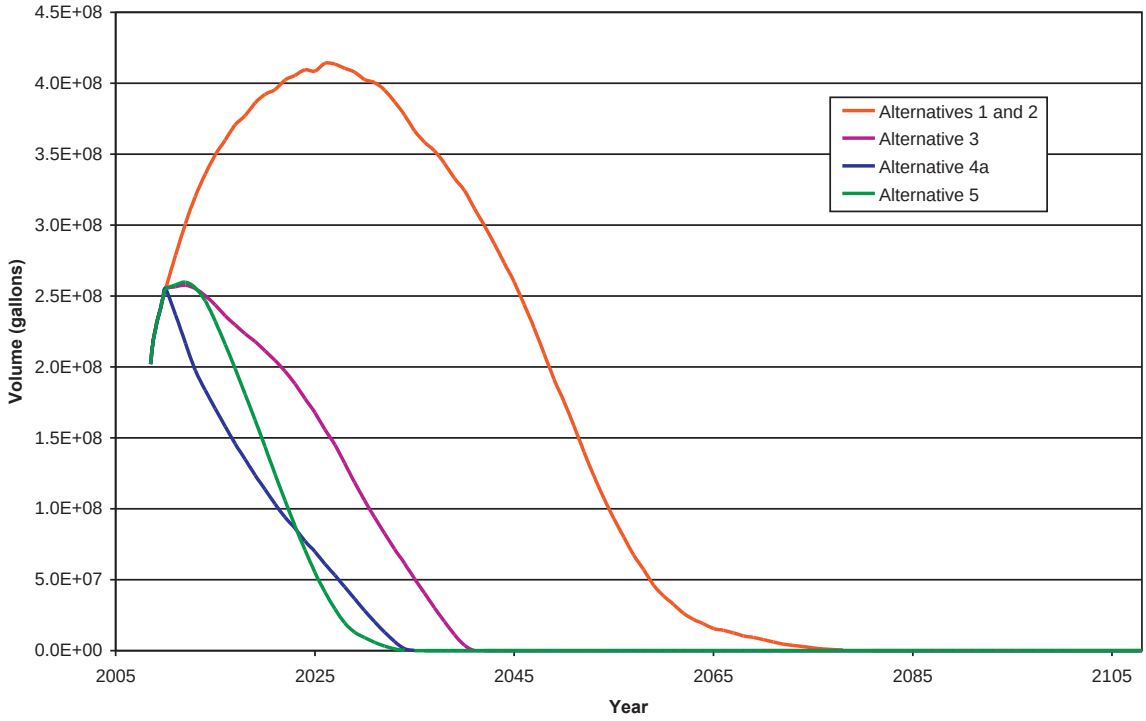
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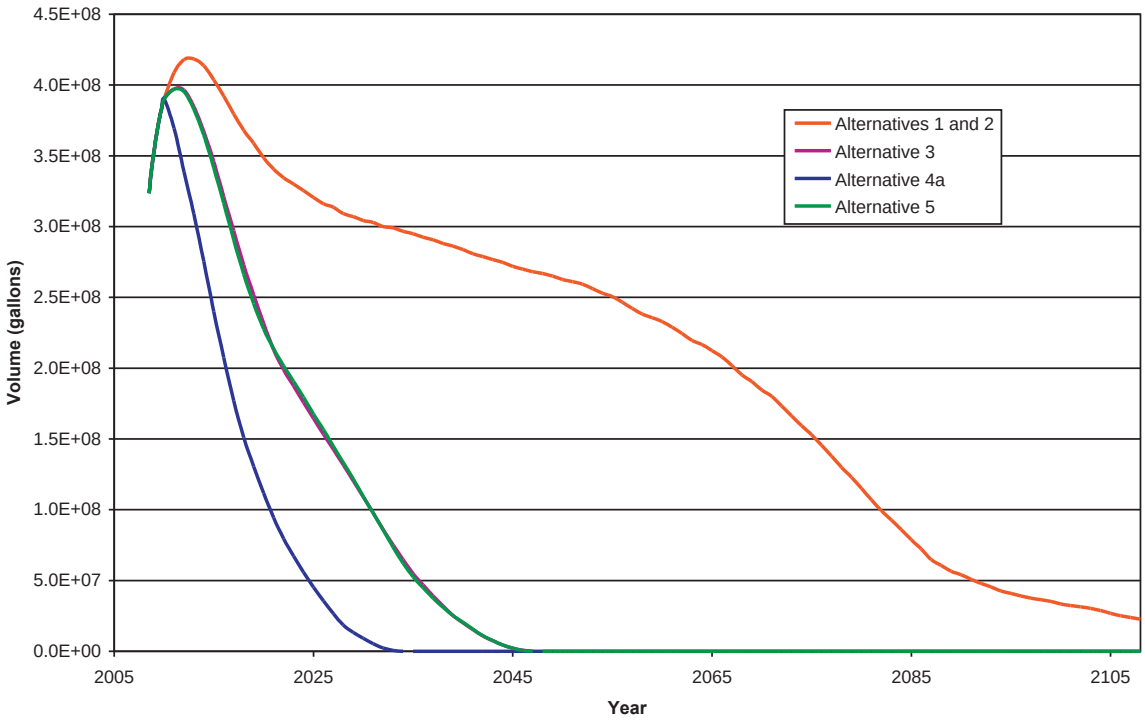
Jacobs
Bourne, Massachusetts
Y:\IA_TERC\Projects\35AY53\02\20100708\ArcGIS\
j1_south_alternatives_20100317_final.mxd July 8, 2010
DWN BY: JPICCUITO CHKD BY: KTHOMAS

FIGURE
9-2

J-1 Range Northern Perchlorate Plume Contaminated Volume > 2 micrograms per liter



J-1 Range Northern RDX Plume Contaminated Volume > 0.6 micrograms per liter



Legend

Impact Area Groundwater Study Program

J-1 Range Northern Plume Volume Over Time

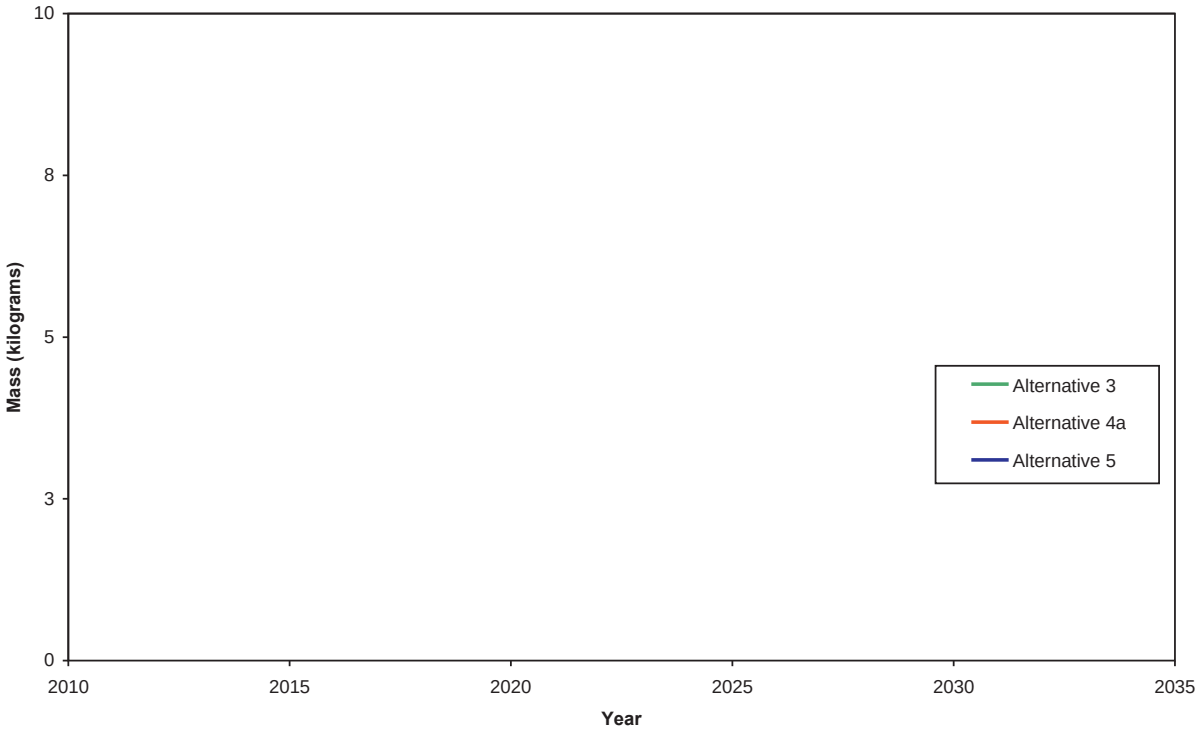
Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP
j1n_volume_20100421_final.cdr

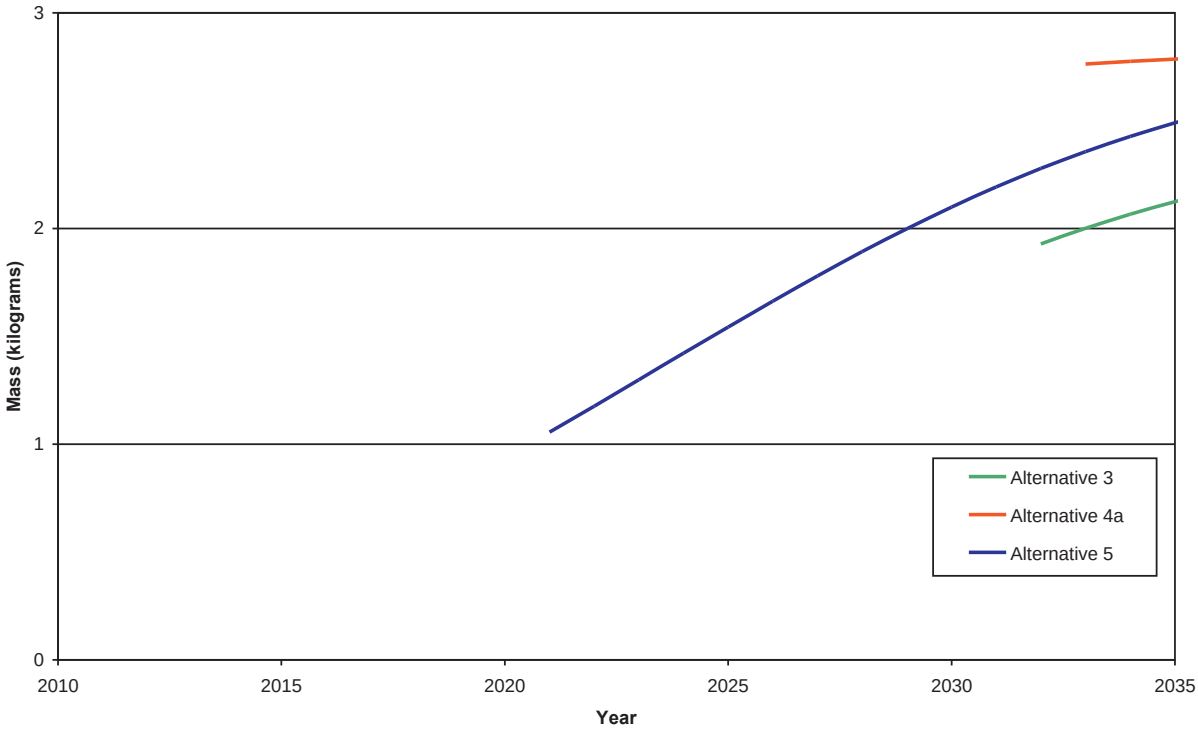
Figure 10-1

Y:\IA_TERC\Projects\35AY530\2010\0708\Corel\j1n_volume_20100421_final.cdr

J-1 Range Northern Perchlorate Plume Total Mass Removal



J-1 Range Northern RDX Plume Total Mass Removal



Legend

Impact Area Groundwater Study Program

J-1 Range Northern Plume Mass Capture

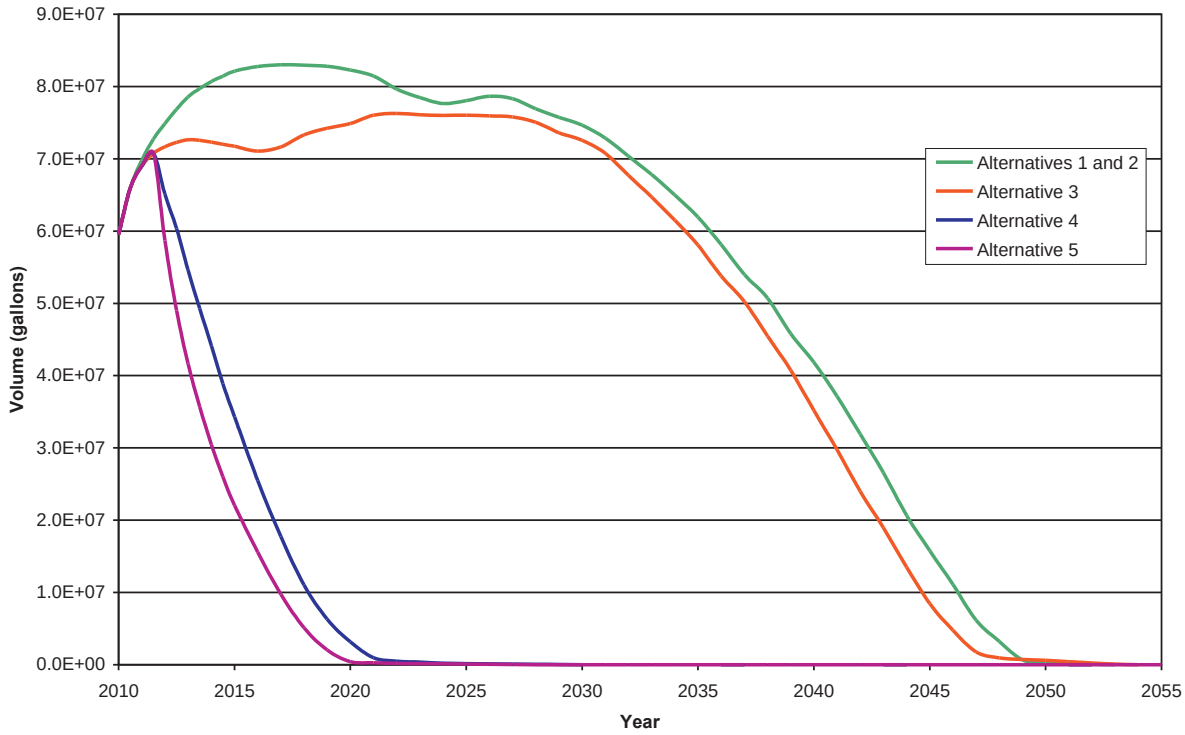
Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP
j1n_mass_20100421_final.cdr

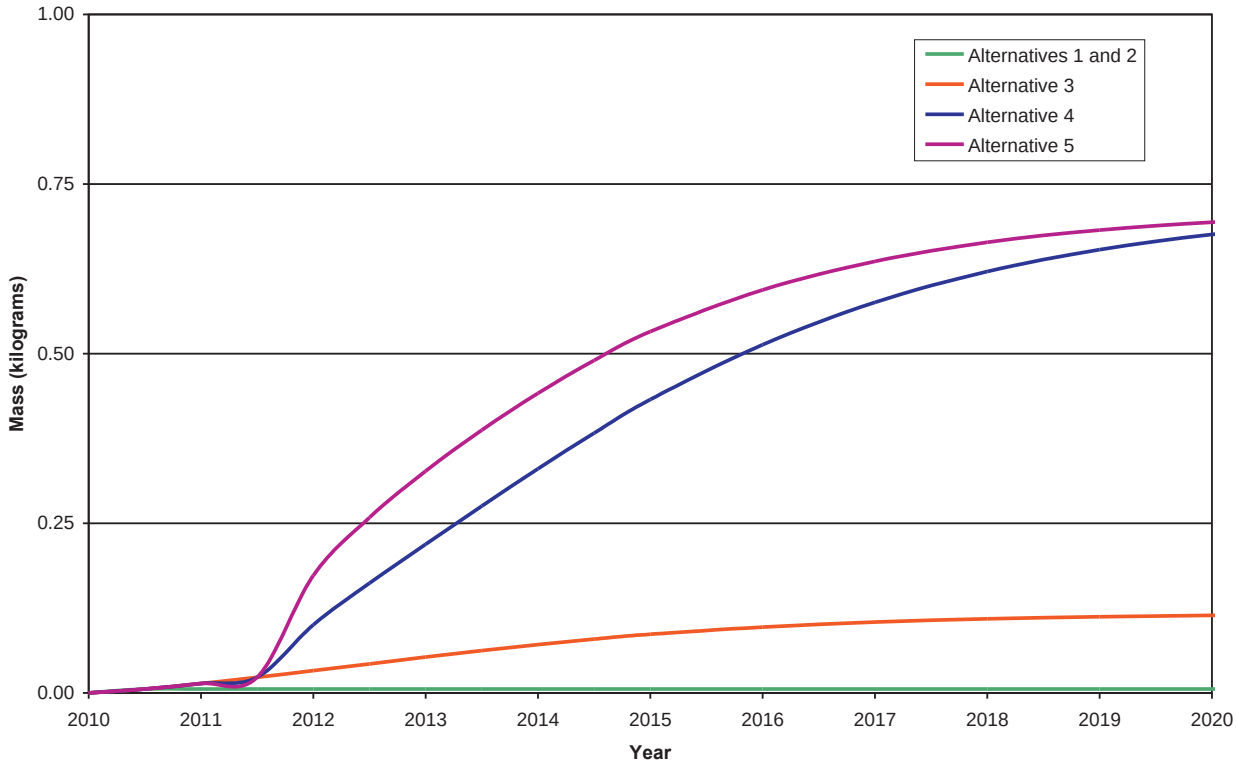
Figure 10-2

Y:\IA_TERC\Projects\35AY53\2010\0708\Corel\1n_mass_20100421_final.cdr

J-1 Range Southern RDX Plume Contaminated Volume > 0.6 micrograms per liter



J-1 Range Southern RDX Plume Total Mass Removal



Legend

Impact Area Groundwater Study Program

J-1 Range Southern Plume
Volume and Mass Capture Over Time

Massachusetts Military Reservation
Cape Cod, Massachusetts

07/08/10 JP
j1s_mass_volume_20100421_final.cdr

Figure 10-3

Y:\IA_TERC\Projects\35AY53\02\20100708\Cond\j1n_mass_volume_20100421_final.cdr

TABLE 2-1

J-1 Range North and South Groundwater Study Areas
Vertical Gradient Calculations from Selected Nested Wells

Well	Date Measured	Groundwater Elevation (ft msl)	Screen Mid Point (ft msl)	Groundwater Level Difference (ft)	Screen Mid Point Difference (ft)	Vertical Gradient (ft/ft)
J-1 North						
MW-118M2	10/25/2005	70.25	59.01	0.03	30.00	0.0010
MW-118M1	10/25/2005	70.28	29.01			
MW-136S	3/9/2004	68.5	65.88	-0.02	17.00	-0.0012
MW-136M1	3/9/2004	68.48	48.88			
MW-164M3	11/13/2003	69.11	58.32	0.05	110.00	0.0005
MW-164M1	11/13/2003	69.16	-51.68			
MW-166M3	11/11/2003	69.03	47.93	0.01	90.50	0.0001
MW-166M1	11/11/2003	69.04	-42.57			
MW-168M3	11/13/2003	69.24	46.14	-0.08	153.00	-0.0005
MW-168M1	11/13/2003	69.16	-106.86			
MW-187S	11/21/2003	69.09	66.46	-0.03	203.00	-0.0001
MW-187D	11/21/2003	69.06	-136.54			
MW-188S	2/3/2004	68.69	65.41	0.04	46.00	0.0009
MW-188M1	2/3/2004	68.73	19.41			
MW-191S	12/19/2003	69.02	68.62	0.02	28.50	0.0007
MW-191M1	12/19/2003	69.04	40.12			
MW-191S	12/19/2003	69.02	68.62	0.01	14.00	0.0007
MW-191M2	12/19/2003	69.03	54.62			
MW-192M3	11/5/2003	69.02	58.55	-0.03	80.00	-0.0004
MW-192M1	11/5/2003	68.99	-21.45			
MW-205M1	7/23/2004	64.9	-9.24	-0.07	99.00	-0.0007
MW-205D	7/23/2004	64.83	-108.24			
MW-220S	11/22/2005	69.61	62.15	0.17	172.00	0.0010
MW-220D	11/22/2005	69.78	-109.85			
MW-244S	5/17/2004	67.24	60.34	-0.02	152.00	-0.0001
MW-244M1	5/17/2004	67.22	-91.66			
MW-245S	11/6/2003	68.59	61.93	-0.04	122.10	-0.0003
MW-245M1	11/6/2003	68.55	-60.17			

TABLE 2-1

J-1 Range North and South Groundwater Study Areas
Vertical Gradient Calculations from Selected Nested Wells

Well	Date Measured	Groundwater Elevation (ft msl)	Screen Mid Point (ft msl)	Groundwater Level Difference (ft)	Screen Mid Point Difference (ft)	Vertical Gradient (ft/ft)
MW-253M1	12/2/2003	68.12	-77.44	0.03	40.00	0.0008
MW-253D	12/2/2003	68.15	-117.44			
MW-256M1	12/9/2003	66.37	-16.98	0.09	99.00	0.0009
MW-256D	12/9/2003	66.46	-115.98			
MW-286S	3/4/2004	67.37	69.00	0.02	137.00	0.0001
MW-286M1	3/4/2004	67.39	-68.00			
MW-303M3	3/25/2004	68.24	36.18	-0.05	159.36	-0.0003
MW-303M1	3/25/2004	68.19	-123.18			
MW-306M2	8/13/2004	67.51	15.98	0.00	126.97	0.0000
MW-306D	8/13/2004	67.51	-110.99			
MW-315M2	9/15/2004	66.92	-10.50	0.00	49.77	0.0000
MW-315M1	9/15/2004	66.92	-60.27			
MW-326M3	10/29/2004	67.46	16.10	-0.05	84.76	-0.0006
MW-326M1	10/29/2004	67.41	-68.66			
MW-346M4	12/9/2004	67.19	35.30	0.01	104.20	0.0001
MW-346M1	12/9/2004	67.2	-68.90			
MW-346M3	12/9/2004	67.58	0.52	-0.33	30.01	-0.0110
MW-346M2	12/9/2004	67.25	-29.49			
MW-349M3	12/7/2004	67.19	8.59	0.11	54.49	0.0020
MW-349M1	12/7/2004	67.3	-45.90			
MW-369M3	7/12/2005	69.09	3.53	-0.05	78.75	-0.0006
MW-369M1	7/12/2005	69.04	-75.22			
MW-370M3	7/11/2005	67.8	9.34	-0.02	70.66	-0.0003
MW-370M1	7/11/2005	67.78	-61.32			
MW-370M3	7/11/2005	67.8	9.34	-0.09	40.58	-0.0022
MW-370M2	7/11/2005	67.71	-31.24			
MW-401M2	11/21/2005	68.11	51.09	-0.14	115.04	-0.0012
MW-401M1	11/21/2005	67.97	-63.95			
MW-430M2	5/23/2006	68.89	-19.36	0.00	56.82	0.0000
MW-430M1	5/23/2006	68.89	-76.18			

TABLE 2-1

J-1 Range North and South Groundwater Study Areas
Vertical Gradient Calculations from Selected Nested Wells

Well	Date Measured	Groundwater Elevation (ft msl)	Screen Mid Point (ft msl)	Groundwater Level Difference (ft)	Screen Mid Point Difference (ft)	Vertical Gradient (ft/ft)
MW-477M2	1/8/2007	72.04	41.56	-0.07	41.80	-0.0017
MW-477M1	1/8/2007	71.97	-0.24			
J-1 South						
MW-131S	12/19/2003	69.00	66.00	-0.11	204.11	-0.0005
MW-131M1	12/19/2003	68.89	-138.11			
MW-360M2	3/17/2005	67.87	58.06	-0.10	145.00	-0.0007
MW-360M1	3/17/2005	67.77	-86.94			
MW-398M2	10/19/2005	70.10	24.97	-0.08	40.62	-0.0020
MW-398M1	10/19/2005	70.02	-15.65			
MW-400M2	10/31/2005	69.40	-6.82	-0.10	53.86	-0.0019
MW-400M1	10/31/2005	69.30	-60.68			
MW-402M2	1/27/2006	69.82	-19.33	-0.04	34.88	-0.0011
MW-402M1	1/27/2006	69.78	-54.21			
MW-403M2	3/21/2006	70.32	15.42	-0.02	81.73	-0.0002
MW-403M1	3/21/2006	70.30	-66.31			
MW-482M3	7/9/2007	70.27	49.77	0.07	116.08	0.0006
MW-482M1	7/9/2007	70.34	-66.31			

Notes:

Vertical gradient values less than +/- 0.01 are outside the limits of measurement precision and may not be representative of the true gradient.

A positive value indicates an upward gradient.

A negative value indicates a downward gradient.

ft = feet

ft/ft = feet per foot

ft msl = feet mean sea level

TABLE 2-2
J-1 Range North and South Groundwater Study Areas
Grain Size and Hydraulic Conductivity

Location Identifier	Top of Sample (ft bgs)	Bottom of Sample (ft bgs)	d_{10} (mm)	d_{60} (mm)	UC (d_{60}/d_{10})	Hydraulic Conductivitiy Hazen (ft/day)	Hydraulic Conductivity Beyer (ft/day)
J-1 North							
MW-479	118	125	0.2265	0.6549	2.89	156	146
	135	145	0.2189	0.6252	2.86	145	137
	155	163	0.2434	0.6753	2.77	180	170
	175	183	0.1901	0.5693	2.99	110	102
	197	207	0.0831	0.2543	3.06	21	19
	212	215	0.2355	0.7103	3.02	168	157
	255	265	0.1806	0.7319	4.05	99	87
	265	275	0.1859	0.6251	3.36	105	96
	295	305	0.1342	0.3830	2.85	55	52
	310	314	-	0.4231	NA	NA	NA
MW-487	125	130	0.0481	0.5100	10.60	7	5
	145	152	0.1854	0.5513	2.97	104	98
	165	172	0.1980	0.5387	2.72	119	113
	185	194	0.1302	0.3024	2.32	51	50
	195	208	0.1417	0.3943	2.78	61	58
	220	227	0.1268	0.2975	2.35	49	48
	239	251	0.1334	0.2577	1.93	54	55
	270	275	0.0691	0.2059	2.98	14	14
	319	327	-	-	NA	NA	NA
	335	339	-	0.6407	NA	NA	NA
J-1 South							
J-1 South Trench	0	0.75	-	0.2952	NA	NA	NA
	2	3.17	-	1.5625	NA	NA	NA
	4	5	0.1181	2.4390	20.65	42	25
	6	7	0.0654	3.9776	60.82	13	5
	8	9.17	0.3195	1.4148	4.43	310	267
	10	11	0.2841	1.2170	4.28	245	213
	14	16	0.2567	2.1125	8.23	200	150
	16	17	0.1564	1.1163	7.14	74	58
	18	18.67	0.4382	26.2808	59.97	582	226
MW-480	105	115	0.1974	0.5504	2.79	118	112
	117.5	130	0.217	0.6254	2.88	143	135
	142	149	0.175	0.6006	3.43	93	85
	150	152.5	-	-	NA	NA	NA

TABLE 2-2
J-1 Range North and South Groundwater Study Areas
Grain Size and Hydraulic Conductivity

Location Identifier	Top of Sample (ft bgs)	Bottom of Sample (ft bgs)	d_{10} (mm)	d_{60} (mm)	UC (d_{60}/d_{10})	Hydraulic Conductivitiy Hazen (ft/day)	Hydraulic Conductivity Beyer (ft/day)
	152.5	155	0.1077	0.2225	2.07	35	35
	187.5	190.5	0.0934	0.4749	5.08	26	22
	195	197	0.1169	0.6388	5.46	41	34
	197	200	0.1573	0.4847	3.08	75	70
	205	208	0.0918	0.2127	2.32	26	25
	208	215	0.0949	0.2921	3.08	27	25
MW-481	105	115	0.2097	0.5652	2.70	133	127
	115	125	0.2143	0.6143	2.87	139	131
	148	151	0.2781	0.7945	2.86	235	221
	151	157	0.1067	0.2386	2.24	35	34
	168	173	0.1595	0.4378	2.74	77	73
	175	182	0.0771	0.1766	2.29	18	18
	194	197	0.0908	0.4361	4.80	25	21
	205	214	0.0733	0.2004	2.73	16	16
	225	231	-	0.2554	NA	NA	NA
	231	285	-	-	NA	NA	NA
MW-482	87	90	0.2587	0.8102	3.13	203	188
	100	109	0.2057	0.5721	2.78	128	122
	115	117	0.1744	0.6395	3.67	92	83
	117	126	0.1987	0.7188	3.62	120	108
	175	195	0.1038	0.3611	3.48	33	30
	197	200	-	0.3273	NA	NA	NA
	201	208	0.1536	0.4554	2.96	72	67
	208	215	0.0704	0.3354	4.76	15	13
	215	220	0.0808	0.2173	2.69	20	19
	220	222	0.1497	0.3795	2.54	68	66

Notes:
- = insufficient sam ple size
d_{10} = effective grain size where 90 percent coarser by weight
d_{60} = effective grain size where 60 percent coarser by weight
bgs = below ground surface

TABLE 3-1
Synoptic Water Survey Results, November 17, 2005

Location	Top of PVC (ft msl)	Date Measured	Depth to Water (ft below top PVC)	Water Level (ft msl)
90WT0009	159.44	11/17/05	89.13	70.31
MW-355S	157.57	11/17/05	87.49	70.08
90WT0014	153.99	11/17/05	85.36	68.63
MW-362M2	158.31	11/17/05	88.70	69.61
MW-402PZ	140.47	11/17/05	70.68	69.79
MW-400PZ	136.62	11/17/05	67.09	69.53
MW-403M2	147.09	11/17/05	77.50	69.59
90MW0052	132.50	11/17/05	62.67	69.83
90WT0010	151.97	11/17/05	83.37	68.60
90MW0065	150.05	11/17/05	81.35	68.70
90MW0025	150.89	11/17/05	82.00	68.89
90MW0001	160.12	11/17/05	89.84	70.28
90WT0001	150.22	11/17/05	80.73	69.49
90MW0086D	155.67	11/17/05	86.66	69.01
90MW0033	154.32	11/17/05	85.15	69.17
90MW0032	152.62	11/17/05	83.30	69.32
96MW0012	126.01	11/17/05	58.21	67.80
ECMWWAP01S	121.35	11/17/05	61.15	60.20
ECMWWAP03	136.00	11/17/05	70.73	65.27
MW-122S	159.13	11/17/05	88.64	70.49
MW-158S	157.85	11/17/05	87.32	70.53
MW-336M1	158.07	11/17/05	87.39	70.68
MW-148S	132.16	11/17/05	61.47	70.69
MW-146S	162.81	11/17/05	92.36	70.45
MW-236S	163.77	11/17/05	93.13	70.64
MW-131S	167.00	11/17/05	96.40	70.60
BH70-A	164.55	11/17/05	95.21	69.34
MW-319S	160.69	11/17/05	90.11	70.58
MW-215S	171.39	11/17/05	101.44	69.95
MW-57S	156.67	11/17/05	87.15	69.52
MW-365S	156.41	11/17/05	86.36	70.05
MW-342S	149.55	11/17/05	78.50	71.05
90MW0036	126.31	11/17/05	56.37	69.94
MW-398M2	165.57	11/17/05	90.80	74.77

ft = feet
msl = mean sea level
PVC = polyvinyl chloride

TABLE 3-2
J-1 Range Groundwater Study Area Drilling Locations and Monitoring Wells

Location	Location Type	Northing Coordinate on Surface (N83UTM m)	Easting Coordinate on Surface (N83UTM m)	Surface Elevation (ft msl)	Total Depth (ft bgs)	TOC Elev. (ft msl)	Depth to Screen Top (ft bgs)	Depth to Screen Bottom (ft bgs)	Top Screen Elev. (ft msl)	Bottom Screen Elev. (ft msl)	Screen Length (ft)	Complete Date	Drilling Method	Initial Three Round Analytical Methodology
J-1 Range North Existing Locations														
MW-06	WL	4618269.88	373053.63	182.39	120	181.92	106	116	76.39	66.39	10	9/24/1997	dual rotary	Ph1, P
MW-106	BH	4619339.03	372278.27	202.09	220	NA	NA	NA	NA	NA	NA	5/6/2000	dual rotary	
MW-106M1	WL	4619339.34	372278.28	202.09	220	201.48	170.5	180.5	31.59	21.59	10	5/6/2000		Ph1, P, GA
MW-106M2	WL	4619338.73	372278.26	202.09	220	201.54	140.5	150.5	61.59	51.59	10	5/6/2000		Ph1, P, GA
MW-118	BH	4618209.19	372883.46	180.01	290	NA	NA	NA	NA	NA	NA	8/26/2000	dual rotary	
MW-118M1	WL	4618209.49	372883.47	180.01	290	179.62	146	156	34.01	24.01	10	8/26/2000		Ph1, P, GA
MW-118M2	WL	4618208.89	372883.45	180.01	290	179.62	116	126	64.01	54.01	10	8/26/2000		Ph1, P, GA
MW-126	BH	4618195.66	373037.24	170.15	271	NA	NA	NA	NA	NA	NA	9/13/2000	dual rotary	
MW-126M1	WL	4618195.96	373037.25	170.15	271	169.37	118	128	52.15	42.15	10	9/13/2000		Ph1, P, GA
MW-126S	WL	4618195.35	373037.23	170.15	271	169.43	99	109	71.15	61.15	10	9/13/2000		Ph1, P, GA
MW-127S	WL	4617714.01	373566.38	170.64	111	170.24	99	109	71.64	61.64	10	9/19/2000		Ph1, P, GA
MW-136	BH	4617969.6	373363.72	177.88	290	NA	NA	NA	NA	NA	NA	10/24/2000	dual rotary	
MW-136M1	WL	4617969.91	373363.73	177.88	290	177.24	124	134	53.88	43.88	10	10/24/2000		Ph1, P, GA
MW-136S	WL	4617969.3	373363.71	177.88	290	177.26	107	117	70.88	60.88	10	10/24/2000		Ph1, P, GA
MW-164	BH	4618198.05	373303.61	180.32	321	NA	NA	NA	NA	NA	NA	4/3/2001	dual rotary	
MW-164M1	WL	4618198.05	373303.7	180.32	321	179.72	227	237	-46.68	-56.68	10	4/3/2001		Ph1, P, GA
MW-164M2	WL	4618198.14	373303.61	180.32	321	179.72	157	167	23.32	13.32	10	4/3/2001		Ph1, P, GA
MW-164M3	WL	4618198.05	373303.79	180.32	321	179.71	117	127	63.32	53.32	10	4/3/2001		Ph1, P, GA
MW-166	BH	4618127.98	373235.96	177.93	314	NA	NA	NA	NA	NA	NA	4/29/2001	dual rotary	
MW-166M1	WL	4618127.98	373236.05	177.93	314	177.43	218	223	-40.07	-45.07	5	4/29/2001		Ph1, P, GA
MW-166M2	WL	4618128.07	373235.96	177.93	314	177.41	150	160	27.93	17.93	10	4/29/2001		Ph1, P, GA
MW-166M3	WL	4618127.98	373236.14	177.93	314	177.4	125	135	52.93	42.93	10	4/29/2001		Ph1, P, GA
MW-168	BH	4618077.49	373155.41	154.14	288	NA	NA	NA	NA	NA	NA	5/2/2001	dual rotary	
MW-168M1	WL	4618077.49	373155.5	154.14	288	153.44	256	266	-101.86	-111.86	10	5/2/2001		Ph1, P, GA
MW-168M2	WL	4618077.37	373155.4	154.14	288	153.44	198	208	-43.86	-53.86	10	5/2/2001		Ph1, P, GA
MW-168M3	WL	4618077.5	373155.31	154.14	288	153.42	103	113	51.14	41.14	10	5/2/2001		Ph1, P, GA
MW-187	BH	4618238.44	373131.07	174.46	322	NA	NA	NA	NA	NA	NA	11/16/2001	dual rotary	
MW-187D	WL	4618238.44	373130.95	174.46	322	176.01	306	316	-131.54	-141.54	10	11/16/2001		Ph1, P, GA
MW-187M1	WL	4618238.56	373131.2	174.46	322	175.98	160	170	14.46	4.46	10	11/16/2001		Ph1, P, GA
MW-187S	WL	4618238.68	373131.32	174.46	322	175.88	103	113	71.46	61.46	10	11/16/2001		Ph1, P, GA
MW-188	BH	4618159.57	373370.72	179.41	328	NA	NA	NA	NA	NA	NA	11/11/2001	dual rotary	
MW-188M1	WL	4618159.45	373370.71	179.41	328	181.33	155	165	24.41	14.41	10	11/11/2001		Ph1, P, GA
MW-188S	WL	4618159.69	373370.84	179.41	328	181.42	109	119	70.41	60.41	10	11/11/2001		Ph1, P, GA
MW-189	BH	4617967.42	373404.96	162.3	305	NA	NA	NA	NA	NA	NA	11/19/2001	dual rotary	
MW-189S	WL	4617967.3	373404.96	162.3	305	164.28	93.6	103.6	68.7	58.7	10	11/19/2001		Ph1, P, GA
MW-191	BH	4618022.35	373328.95	179.62	318	NA	NA	NA	NA	NA	NA	11/27/2001	dual rotary	
MW-191M1	WL	4618022.23	373328.94	179.62	318	179.29	137	142	42.62	37.62	5	11/27/2001		Ph1, P, GA
MW-191M2	WL	4618022.47	373329.07	179.62	318	179.12	120	130	59.62	49.62	10	11/27/2001		Ph1, P, GA
MW-191S	WL	4618022.59	373329.2	179.62	318	178.92	106	116	73.62	63.62	10	11/27/2001		Ph1, P, GA
MW-192	BH	4618438.27	373460.15	178.55	323	NA	NA	NA	NA	NA	NA	11/1/2002	dual rotary	
MW-192M1	WL	4618438.27	373460.03	178.55	323	178.04	195	205	-16.45	-26.45	10	11/1/2002		Ph1, P, GA
MW-192M2	WL	4618438.39	373460.27	178.55	323	178.03	135	145	43.55	33.55	10	12/3/2001		Ph1, P, GA
MW-192M3	WL	4618438.5	373460.4	178.55	323	178.07	115	125	63.55	53.55	10	12/3/2001		Ph1, P, GA
MW-205	BH	4619677.74	372655.2	162.76	276	NA	NA	NA	NA	NA	NA	2/14/2002	dual rotary	
MW-205D	WL	4619677.86	372655.33	162.76	276	162.31	266	276	-103.24	-113.24	10	2/20/2002		Ph1, P, GA
MW-205M1	WL	4619677.97	372655.45	162.76	276	162.42	167	177	-4.24	-14.24	10	2/20/2002		Ph1, P, GA

TABLE 3-2
J-1 Range Groundwater Study Area Drilling Locations and Monitoring Wells

Location	Location Type	Northing Coordinate on Surface (N83UTM m)	Easting Coordinate on Surface (N83UTM m)	Surface Elevation (ft msl)	Total Depth (ft bgs)	TOC Elev. (ft msl)	Depth to Screen Top (ft bgs)	Depth to Screen Bottom (ft bgs)	Top Screen Elev. (ft msl)	Bottom Screen Elev. (ft msl)	Screen Length (ft)	Complete Date	Drilling Method	Initial Three Round Analytical Methodology
MW-220	BH	4618610.75	372805.29	192.15	309	NA	NA	NA	NA	NA	NA	5/22/2002	dual rotary	
MW-220D	WL	4618610.87	372805.29	192.15	309	191.79	297	307	-104.85	-114.85	10	6/5/2002		E,V,P
MW-220M1	WL	4618610.75	372805.38	192.15	309	191.78	248	258	-55.85	-65.85	10	6/5/2002		E,V,P
MW-220S	WL	4618610.63	372805.28	192.15	309	191.8	125	135	67.15	57.15	10	6/5/2002		E,V,P
MW-222	BH	4619800.63	372413.33	179.25	303	NA	NA	NA	NA	NA	NA	5/14/2002	dual rotary	
MW-222M1	WL	4619800.75	372413.46	179.25	303	178.64	240	250	-60.75	-70.75	10	5/22/2002		E,V,P
MW-222M2	WL	4619800.87	372413.61	179.25	303	178.83	185	195	-5.75	-15.75	10	5/22/2002		E,V,P
MW-224	BH	4618427.94	372557.8	182.5	303	NA	NA	NA	NA	NA	NA	5/31/2002	dual rotary	
MW-224M1	WL	4618428.05	372557.93	182.5	303	181.97	142	152	40.5	30.5	10	6/11/2002		E,P
MW-224S	WL	4618428.17	372558.05	182.5	303	181.97	115	125	67.5	57.5	10	6/11/2002		E,P
MW-244	BH	4618529.31	372676.88	183.34	303.74	NA	NA	NA	NA	NA	NA	10/11/2002	dual rotary	
MW-244M1	WL	4618529.22	372676.88	183.34	303.74	183.03	270	280	-86.66	-96.66	10	10/29/2002		Ph1, P
MW-244S	WL	4618529.4	372676.88	183.34	303.74	182.98	118	128	65.34	55.34	10	10/29/2002		Ph1, P
MW-245	BH	4618613.24	373171.08	188.83	319	NA	NA	NA	NA	NA	NA	10/22/2002	dual rotary	
MW-245M1	WL	4618613.14	373171.08	188.83	319	188.09	244	254	-55.17	-65.17	10	11/1/2002		Ph1, P
MW-245S	WL	4618613.36	373171.08	188.83	319	188.14	121.9	131.9	66.93	56.93	10	11/1/2002		Ph1, P
MW-253	BH	4618753.9	372884.37	187.78	317	NA	NA	NA	NA	NA	NA	1/6/2003	dual rotary	
MW-253D	WL	4618753	372883.25	192.96	317	192.41	305.4	315.4	-112.44	-122.44	10	1/6/2003		Ph1, P
MW-253M1	WL	4618753.5	372883.25	192.96	317	192.53	265.4	275.4	-72.44	-82.44	10	1/6/2003		Ph1, P
MW-253S	WL	4618753.5	372883.38	192.96	317	192.62	127.4	137.4	65.56	55.56	10	1/6/2003		Ph1, P
MW-256	BH	4619574.5	372834.16	191	307	NA	NA	NA	NA	NA	NA	1/21/2003	dual rotary	
MW-256D	WL	4619574.5	372834.16	186.02	309	189.87	297	307	-110.98	-120.98	10	2/4/2003		Ph1, P
MW-256M1	WL	4619574.5	372834.19	186.02	309	189.81	198	208	-11.98	-21.98	10	2/4/2003		Ph1, P
MW-265	BH	4618689.5	373067.53	192.23	315	NA	NA	NA	NA	NA	NA	3/19/2003	dual rotary	
MW-265M1	WL	4618689.5	373067.78	192.23	315	192.58	265	275	-72.77	-82.77	10	4/10/2003		Ph1, P
MW-265M2	WL	4618689.5	373067.66	192.23	315	192.67	225	235	-32.77	-42.77	10	4/10/2003		Ph1, P
MW-265M3	WL	4618689.5	373067.5	192.23	315	192.8	200	210	-7.77	-17.77	10	4/10/2003		Ph1, P
MW-266	BH	4620048	372516	212.38	323	NA	NA	NA	NA	NA	NA	4/2/2003	dual rotary	
MW-266M1	WL	4620048.5	372516.25	212.38	323	208.54	307	317	-94.62	-104.62	10	4/16/2003		Ph1, P
MW-266M2	WL	4620048.5	372516.13	212.38	323	208.43	239	249	-26.62	-36.62	10	4/16/2003		Ph1, P
MW-27	WL	4618717.93	372564.8	190.35	130	190.25	117	127	73.35	63.35	10	10/7/1997	dual rotary	
MW-286	BH	4618909.5	372960.19	192.15	316.5	NA	NA	NA	NA	NA	NA	9/24/2003	dual rotary	
MW-286M1	WL	4618910	372960.19	196	316.5	191.43	259	269	-63	-73	10	9/24/2003		Ph1, P
MW-286M2	WL	4618909.5	372960.19	196	316.5	191.43	205	215	-9	-19	10	9/24/2003		Ph1, P
MW-286S	WL	4618909.5	372960.31	196	316.5	191.53	122	132	74	64	10	9/24/2003		Ph1, P
MW-58S	WL	4618039.77	373237.74	173.64	-	173.19	100	110	73.64	63.64	10	11/23/1999	dual rotary	Ph1, P, GA
J-1 Range North Locations Installed as Part of Supplemental Groundwater Investigation														
MW-303	BH	4618219.48	373221.13	180.79	323.8	NA	NA	NA	NA	NA	NA	12/17/2003	dual rotary	
MW-303M1	WL	4618219.53	373221.13	180.79	323.8	180.64	299.07	309.07	-118.18	-128.18	10	2/3/2004		E,P,S,V
MW-303M2	WL	4618219.58	373221.13	180.79	323.8	180.5	235.09	245.1	-54.2	-64.21	10.01	2/3/2004		E,P,S,V
MW-303M3	WL	4618219.63	373221.13	180.79	323.8	180.66	139.74	149.69	41.15	31.2	9.95	2/3/2004		E,P,S,V
MW-306	BH	4618350	373045.1	185.67	304.2	NA	NA	NA	NA	NA	NA	1/29/2004	dual rotary	
MW-306D	WL	4618350.05	373045.1	185.67	304.2	185.7	291.66	301.66	-105.99	-115.99	10	2/25/2004		E,P,S,V
MW-306M1	WL	4618350.1	373045.1	185.67	304.2	185.72	184.88	194.88	0.79	-9.21	10	2/25/2004		E,P,S,V
MW-306M2	WL	4618350.15	373045.1	185.67	304.2	185.6	164.69	174.69	20.98	10.98	10	2/25/2004		E,P,S,V
MW-315	BH	4618709.27	372967.83	190.22	317.9	NA	NA	NA	NA	NA	NA	2/20/2004	dual rotary	
MW-315M1	WL	4618709.32	372967.83	190.22	317.9	189.92	245.49	255.49	-55.27	-65.27	10	3/15/2004		E,P,S,V

TABLE 3-2
J-1 Range Groundwater Study Area Drilling Locations and Monitoring Wells

Location	Location Type	Northing Coordinate on Surface (N83UTM m)	Easting Coordinate on Surface (N83UTM m)	Surface Elevation (ft msl)	Total Depth (ft bgs)	TOC Elev. (ft msl)	Depth to Screen Top (ft bgs)	Depth to Screen Bottom (ft bgs)	Top Screen Elev. (ft msl)	Bottom Screen Elev. (ft msl)	Screen Length (ft)	Complete Date	Drilling Method	Initial Three Round Analytical Methodology
MW-315M2	WL	4618709.37	372967.83	190.22	317.9	189.93	195.72	205.72	-5.5	-15.5	10	3/15/2004		E,P,S,V
MW-326	BH	4618469.03	373214.35	186.35	319.48	NA	NA	NA	NA	NA	NA	5/7/2004	dual rotary	
MW-326M1	WL	4618469.08	373214.35	186.35	319.48	185.52	250.01	260.01	-63.66	-73.66	10	5/21/2004		E,P,S,V
MW-326M2	WL	4618469.13	373214.35	186.35	319.48	185.48	196.27	206.28	-9.92	-19.93	10.01	5/21/2004		E,P,S,V
MW-326M3	WL	4618469.18	373214.35	186.35	319.48	185.49	165.24	175.26	21.11	11.09	10.02	5/21/2004		E,P,S,V
MW-346	BH	4618422.36	373135.22	180.79	307.5	NA	NA	NA	NA	NA	NA	8/24/2004	dual rotary	
MW-346M1	WL	4618422.41	373135.22	180.79	307.5	179.91	244.69	254.69	-63.9	-73.9	10	10/14/2004		E,P,S,V
MW-346M2	WL	4618422.46	373135.22	180.79	307.5	179.95	205.28	215.28	-24.49	-34.49	10	10/14/2004		E,P,S,V
MW-346M3	WL	4618422.51	373135.22	180.79	307.5	180.15	175.27	185.27	5.52	-4.48	10	10/14/2004		E,P,S,V
MW-346M4	WL	4618426.94	373137.23	180.41	307.5	180.09	140	150	40.41	30.41	10	10/14/2004		E,P,S,V
MW-349	BH	4618569.83	373255.74	187.69	319	NA	NA	NA	NA	NA	NA	9/13/2004	dual rotary	
MW-349M1	WL	4618569.88	373255.74	187.69	319	186.7	229	239	-41.31	-51.31	10	10/20/2004		E,P,S,V
MW-349M2	WL	4618569.93	373255.74	187.69	319	186.74	195	205	-7.31	-17.31	10	10/20/2004		E,P,S,V
MW-349M3	WL	4618569.98	373255.74	187.69	319	186.75	174	184	13.69	3.69	10	10/20/2004		E,P,S,V
MW-369	BH	4618440.92	372888.48	183.85	306.55	NA	NA	NA	NA	NA	NA	5/5/2005	dual rotary	
MW-369M1	WL	4618440.97	372888.48	183.85	306.55	183.18	254.07	264.07	-70.22	-80.22	10	6/6/2005		E,P,S,V
MW-369M2	WL	4618441.02	372888.48	183.85	306.55	183.2	216	226	-32.15	-42.15	10	6/6/2005		E,P,S,V
MW-369M3	WL	4618441.07	372888.48	183.85	306.55	183.2	175.32	185.32	8.53	-1.47	10	6/6/2005		E,P,S,V
MW-370	BH	4618987.65	373021.47	189.3	315.42	NA	NA	NA	NA	NA	NA	5/26/2005	dual rotary	
MW-370M1	WL	4618987.7	373021.47	189.3	315.42	188.95	245.62	255.62	-56.32	-66.32	10	6/8/2005		E,P,S,V
MW-370M2	WL	4618987.75	373021.47	189.3	315.42	188.94	215.54	225.54	-26.24	-36.24	10	6/8/2005		E,P,S,V
MW-370M3	WL	4618987.8	373021.47	189.3	315.42	188.96	174.96	184.96	14.34	4.34	10	6/8/2005		E,P,S,V
MW-401	BH	4619522.12	372962.08	197.15	310.47	NA	NA	NA	NA	NA	NA	10/18/2005	dual rotary	
MW-401M1	WL	4619522.17	372962.08	197.15	310.47	196.44	256.1	266.1	-58.95	-68.95	10	10/31/2005		E,P,S,V
MW-401M2	WL	4619522.22	372962.08	197.15	310.47	196.53	141.06	151.06	56.09	46.09	10	10/31/2005		E,P,S,V
MW-430	BH	4619621.28	372756.68	174.05	297	NA	NA	NA	NA	NA	NA	12/14/2005	rotosonic	
MW-430M1	WL	4619621.32	372756.68	174.05	297	173.84	245.23	255.23	-71.18	-81.18	10	12/20/2005		E,P,S,V
MW-430M2	WL	4619621.37	372756.68	174.05	297	173.84	188.41	198.41	-14.36	-24.36	10	12/20/2005		E,P,S,V
MW-430PZ	WL	4619626.32	372758.96	172	297	171.69	104.85	114.95	67.15	57.05	10.1	12/20/2005		NA
MW-477	BH	4618748.71	372592.62	192.29	253	NA	NA	NA	NA	NA	NA	12/13/2006	auger	
MW-477M1	WL	4618748.75	372592.62	192.29	198	191.26	187.53	197.53	4.76	-5.24	10	12/27/2006		E,P,S,V
MW-477M2	WL	4618743.5	372588.22	192.18	253	191.72	145.62	155.62	46.56	36.56	10	12/11/2006		E,P,S,V
MW-479	BH	4619428.04	373149.16	188.84	331	NA	NA	NA	NA	NA	NA	4/13/2007	rotosonic	
MW-479M1	WL	4619428.09	373149.16	188.84	331	188.16	239.59	249.59	-50.75	-60.75	10	4/17/2007		E,P,S,V
MW-484	BH	4618770.24	372608.78	193.23	188.79	NA	NA	NA	NA	NA	NA	3/19/2007	auger	
MW-484M1	WL	4618770.29	372608.78	193.23	188.79	193.18	149.48	159.48	43.75	33.75	10	3/22/2007		E,P
MW-485	BH	4618669.82	372632.7	191.03	193.6	NA	NA	NA	NA	NA	NA	3/8/2007	auger	
MW-485M1	WL	4618669.87	372632.7	191.03	193.6	190.8	125.32	135.32	65.71	55.71	10	3/13/2007		E,P
MW-486	BH	4618610.44	372673.31	185.45	227.8	NA	NA	NA	NA	NA	NA	3/15/2007	auger	
MW-486M1	WL	4618610.49	372673.31	185.45	227.8	185.51	185.7	195.7	-0.25	-10.25	10	3/20/2007		E,P
MW-487	BH	4619084.72	372397.47	197.02	345	NA	NA	NA	NA	NA	NA	3/20/2007	rotosonic	
MW-487M1	WL	4619084.77	372397.47	197.02	345	196.78	240.29	250.29	-43.27	-53.27	10	3/28/2007		E,P
MW-487M2	WL	4619084.7	372397.53	197.02	345	196.87	195.84	205.84	1.18	-8.82	10	3/28/2007		E,P
MW-493	BH	4618550.9	372718.03	187	210	NA	NA	NA	NA	NA	NA	6/12/2007	auger	NA
MW-494	BH	4618579.72	372759.86	189	189	NA	NA	NA	NA	NA	NA	6/8/2007	auger	NA
J-1 Range South Existing Locations														
90MW0052	HW	4616629.11	374192.82	129.8	180	132.5	94.93	99.79	34.87	30.01	4.86	3/1/1993		NA

TABLE 3-2
J-1 Range Groundwater Study Area Drilling Locations and Monitoring Wells

Location	Location Type	Northing Coordinate on Surface (N83UTM m)	Easting Coordinate on Surface (N83UTM m)	Surface Elevation (ft msl)	Total Depth (ft bgs)	TOC Elev. (ft msl)	Depth to Screen Top (ft bgs)	Depth to Screen Bottom (ft bgs)	Top Screen Elev. (ft msl)	Bottom Screen Elev. (ft msl)	Screen Length (ft)	Complete Date	Drilling Method	Initial Three Round Analytical Methodology
MW-131	BH	4617257.97	374087.46	167.3	314	NA	NA	NA	NA	NA	NA	10/5/2000	dual rotary	
MW-131M1	WL	4617258.28	374087.47	167.3	314	166.89	300	310	-132.7	-142.7	10	10/5/2000		Ph1, P, GA
MW-131M2	WL	4617257.67	374087.46	167.3	314	167.02	195	205	-27.7	-37.7	10	10/5/2000		Ph1, P, GA
MW-131S	WL	4617257.96	374087.77	167.3	314	167	96	106	71.3	61.3	10	10/5/2000		Ph1, P, GA
J-1 Range South Locations Installed as Part of Supplemental Groundwater Investigation														
90WT0010	HW	4616174.31	374687.81	152.4	201	151.97	83.35	93.65	69.05	58.75	10.3	7/8/1992	drivepoint	NA
DP-378	BH	4617214.58	374379.88	150.28	171	152.26	166	171	-15.72	-20.72	5	6/9/2005	drivepoint	NA
DP-379	BH	4617053.37	374279.77	160.42	189.3	162.46	184.3	189.3	-23.88	-28.88	5	6/20/2005	drivepoint	NA
DP-384	BH	4616906.61	374217.47	161.4	182	162.87	177	182	-15.6	-20.6	5	6/29/2005	drivepoint	NA
DP-385	BH	4616733.23	374130.79	149.89	168	150.99	163	168	-13.11	-18.11	5	7/6/2005	drivepoint	NA
DP-386	BH	4616977.28	374248	159.79	185	161.9	180	185	-20.21	-25.21	5	7/8/2005	drivepoint	NA
DP-387	BH	4616820.29	374173.06	161.26	165	164.01	160	165	1.26	-3.74	5	7/11/2005	drivepoint	NA
DP-389	BH	4617066.76	374108.15	155.41	167.67	154.45	162.57	167.57	-7.16	-12.16	5	7/22/2005	drivepoint	NA
DP-390	BH	4617041.46	374059.73	155.06	161.5	158.53	156.5	161.5	-1.44	-6.44	5	7/26/2005	drivepoint	NA
DP-391	BH	4617110.72	374138.29	154.6	151	154.7	146	151	8.6	3.6	5	7/29/2005	drivepoint	NA
DP-498	BH	4616623	374300	135	194	NA	NA	NA	NA	NA	NA	8/27/2008	drivepoint	NA
DP-499	BH	4616495.99	374399.88	147	226	NA	NA	NA	NA	NA	NA	9/3/2008	drivepoint	NA
DP-500	BH	4616280.66	374344.36	150	207.3	NA	NA	NA	NA	NA	NA	9/9/2008	drivepoint	NA
DP-503	BH	4616408.42	374453.69	138.03	207.3	NA	NA	NA	NA	NA	NA	9/15/2008	drivepoint	NA
DP-504	BH	4616762.23	374270.43	156.5	220.5	NA	NA	NA	NA	NA	NA	9/19/2008	drivepoint	NA
DP-505	BH	4616459.26	374319.05	138.03	187.3	NA	NA	NA	NA	NA	NA	9/23/2008	drivepoint	NA
DP-507	BH	4616986.28	374176.28	160.93	165	NA	NA	NA	NA	NA	NA	9/30/2008	drivepoint	NA
DP-508	BH	4616681.22	374445.62	151.86	236.4	NA	NA	NA	NA	NA	NA	9/29/2008	drivepoint	NA
DP-512	BH	4616423.35	374208.49	148.77	190	NA	NA	NA	NA	NA	NA	10/21/2008	drivepoint	NA
DP-513	BH	4616285.09	374293.93	151	195	NA	NA	NA	NA	NA	NA	10/23/2008	drivepoint	NA
DP-514	BH	4616266.68	374445.5	152.54	180	NA	NA	NA	NA	NA	NA	11/5/2008	drivepoint	NA
MW-360	BH	4617207.45	374053.41	165.11	311	NA	NA	NA	NA	NA	NA	12/7/2004	dual rotary	
MW-360M1	WL	4617207.5	374053.41	165.11	311	164.41	247	257	-81.89	-91.89	10	1/6/2005		E,P,S,V
MW-360M2	WL	4617207.55	374053.41	165.11	311	164.37	102	112	63.11	53.11	10	1/6/2005		E,P,S,V
MW-398	BH	4616912.47	374215.37	161.43	304	NA	NA	NA	NA	NA	NA	9/15/2005	dual rotary	
MW-398M1	WL	4616912.52	374215.37	161.43	304	161.5	172.15	182.15	-10.72	-20.72	10	9/30/2005		E,P
MW-398M2	WL	4616912.57	374215.37	161.43	304	161.5	131.53	141.53	29.9	19.9	10	9/30/2005		E,P
MW-400	BH	4616446.2	374500.73	136.98	305	NA	NA	NA	NA	NA	NA	10/3/2005	rotosonic	
MW-400M1	WL	4616446.25	374500.73	136.98	305	136.64	192.76	202.75	-55.78	-65.77	9.99	10/6/2005		E,P
MW-400M2	WL	4616446.3	374500.73	136.98	305	136.66	138.9	148.9	-1.92	-11.92	10	10/6/2005		E,P
MW-400PZ	WL	4616446.35	374500.73	136.98	305	136.32	64.66	74.66	72.32	62.32	10	10/6/2005		NA
MW-402	BH	4616370.02	374419.04	140.89	301.5	NA	NA	NA	NA	NA	NA	11/3/2005	rotosonic	
MW-402M1	WL	4616370.07	374419.04	140.89	301.5	140.56	190.14	200.13	-49.25	-59.24	9.99	11/11/2005		E,P
MW-402M2	WL	4616370.17	374419.04	140.89	301.5	140.54	155.24	165.27	-14.35	-24.38	10.03	11/11/2005		E,P
MW-402PZ	WL	4616370.12	374419.04	140.89	301.5	140.47	69.73	79.72	71.16	61.17	9.99	11/11/2005		NA
MW-403	BH	4616509.6	374595.24	147.72	320	NA	NA	NA	NA	NA	NA	10/18/2005	rotosonic	
MW-403M1	WL	4616509.65	374595.24	147.72	320	147.09	159.9	169.89	-12.18	-22.17	9.99	10/21/2005		E,P
MW-403M2	WL	4616509.7	374595.24	147.72	320	147.09	127.26	137.36	20.46	10.36	10.1	10/21/2005		E,P
MW-480	BH	4616720.25	374234.71	153.13	322	NA	NA	NA	NA	NA	NA	2/16/2007	rotosonic	
MW-480M1	WL	4616720.16	374234.71	153.13	322	152.78	189.84	199.84	-36.71	-46.71	10	2/21/2007		E,P
MW-480M2	WL	4616720.2	374234.79	153.13	322	152.55	143.57	153.57	9.56	-0.44	10	2/21/2007		E,P
MW-480PZ	WL	4616720.12	374234.83	153.13	322	152.53	78.02	88.02	75.11	65.11	10	2/21/2007		NA

TABLE 3-2
J-1 Range Groundwater Study Area Drilling Locations and Monitoring Wells

Location	Location Type	Northing Coordinate on Surface (N83UTM m)	Easting Coordinate on Surface (N83UTM m)	Surface Elevation (ft msl)	Total Depth (ft bgs)	TOC Elev. (ft msl)	Depth to Screen Top (ft bgs)	Depth to Screen Bottom (ft bgs)	Top Screen Elev. (ft msl)	Bottom Screen Elev. (ft msl)	Screen Length (ft)	Complete Date	Drilling Method	Initial Three Round Analytical Methodology
MW-481	BH	4616793.57	374301.41	156.16	310	NA	NA	NA	NA	NA	NA	2/1/2007	rotosonic	
MW-481M1	WL	4616793.52	374301.41	156.16	310	155.65	189.74	199.74	-33.58	-43.58	10	2/6/2007		E,P
MW-481M2	WL	4616793.48	374301.3	156.16	310	155.66	146.28	156.28	9.88	-0.12	10	2/6/2007		E,P
MW-482	BH	4616837.33	374368.98	156.01	228	NA	NA	NA	NA	NA	NA	3/1/2007	rotosonic	
MW-482M1	WL	4616837.24	374368.96	156.01	228	155.47	214.26	224.26	-58.25	-68.25	10	3/5/2007		E,P
MW-482M2	WL	4616838.13	374370.22	156.26	228	155.44	172.64	182.64	-16.63	-26.63	10	3/5/2007		E,P
MW-482M3	WL	4616837.36	374369.02	156.01	111	155.78	98.18	108.18	58.08	48.08	10	3/6/2007		E,P
MW-482PZ	WL	4616838.38	374371.2	153	228	155.53	82.18	92.18	73.83	63.83	10	3/6/2007		NA
MW-483	BH	4616833.42	374177.28	162.13	189	NA	NA	NA	NA	NA	NA	2/28/2007	auger	
MW-483M1	WL	4616835.27	374177.62	162.13	189	162.25	139.52	149.52	22.61	12.61	10	3/1/2007		E,P
MW-483PZ	WL	4616835.24	374177.56	162.13	189	162.18	105.42	115.42	56.71	46.71	10	3/1/2007		NA
MW-488	BH	4616942.97	374227.14	162.42	219	NA	NA	NA	NA	NA	NA	4/11/2007	auger	
MW-488M1	WL	4616943.02	374227.14	162.42	219	162.2	149.62	159.62	12.8	2.8	10	4/17/2007		E,P
MW-488PZ	WL	4616942.86	374227.13	162.42	219	162.13	119.28	129.28	43.14	33.14	10	4/17/2007		NA
MW-521	BH	4616623.08	374298.82	135	218	NA	NA	NA	NA	NA	NA	10/29/2009	rotosonic	NA
MW-522	BH	4616535.7	374362.79	150	228	NA	NA	NA	NA	NA	NA	11/11/2009	rotosonic	NA
MW-523	BH	4616435.89	374291.89	147	218	NA	NA	NA	NA	NA	NA	11/17/2009	rotosonic	NA
MW-524	BH	4616680.71	374444.1	151	228	NA	NA	NA	NA	NA	NA	12/1/2009	rotosonic	NA
MW-525	BH	4616268.87	374448.9	152	228	NA	NA	NA	NA	NA	NA	12/1/2009	rotosonic	NA
MW-526	BH	4616279.38	374367.24	152	228	NA	NA	NA	NA	NA	NA	12/10/2009	rotosonic	NA
MW-527	BH	4616286.1	374287.34	151	218	NA	NA	NA	NA	NA	NA	12/16/2009	rotosonic	NA
MW-528	BH	4617066.73	374108.12	155.4	177	NA	NA	NA	NA	NA	NA	12/22/2009	rotosonic	NA

Data Source: ECC/Jacobs, 10 February 2010, IA-TERC Site Environmental Evaluation (SEE) Databae and IAGWSP EDMS

Notes:

bgs = below ground surface

BH = borehole

Crdmeth - coordinate method

E = explosives by EPA Method SW8330

Elev. = elevation

ESTIM = estimated coordinates

ft = feet

GA = gross alpha

GPS = Global Position System

msl = mean sea level

N83UTM m = North American Datum 83 Universal Transverse Mercator coordinates in meters

NA = not applicable

P = perchlorate by EPA Method E314.0

Ph1 = Phase I analytes (explosives, SVOC, pesticides, PCBs, herbicides, total metals, cyanide, TOC, nitrate/nitrite, total phosphorus, ammonia)

S = semivolatiles by EPA Method SW8270C

SRVEY = surveyed coordinates

TOC = top of casing

V = volatiles by EPA Method SW8260B

WL = monitoring well

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-06	9/24/1997	71.39	0.45J	NA	ND
MW-06	11/5/1997	71.39	ND	NA	ND
MW-06	3/1/1999	71.39	ND	NA	ND
MW-06	9/8/1999	71.39	ND	NA	ND
MW-06	9/13/2000	71.39	ND	ND	ND
MW-06	7/30/2001	71.39	ND	ND	ND
MW-06	11/13/2003	71.39	ND	NA	ND
MW-06	10/25/2005	71.39	ND	ND	ND
MW-106M1	6/19/2000	26.59	ND	NA	ND
MW-106M1	11/7/2000	26.59	ND	NA	ND
MW-106M1	1/27/2001	26.59	ND	NA	ND
MW-106M1	10/22/2001	26.59	ND	NA	ND
MW-106M1	11/26/2001	26.59	ND	NA	ND
MW-106M1	5/22/2002	26.59	ND	0.61	ND
MW-106M1	8/15/2002	26.59	ND	0.97	ND
MW-106M1	1/27/2003	26.59	ND	0.46	ND
MW-106M1	4/29/2003	26.59	ND	0.48J	ND
MW-106M1	10/8/2003	26.59	ND	ND	ND
MW-106M1	2/13/2004	26.59	ND	ND	ND
MW-106M1	7/15/2004	26.59	NA	ND	NA
MW-106M1	9/23/2004	26.59	ND	ND	ND
MW-106M1	11/8/2004	26.59	NA	0.48J	NA
MW-106M1	8/3/2005	26.59	ND	ND	ND
MW-106M1	12/14/2005	26.59	NA	ND	NA
MW-106M1	4/20/2006	26.59	NA	ND	NA
MW-106M1	6/1/2007	26.59	NA	ND	NA
MW-106M2	6/19/2000	56.59	ND	NA	ND
MW-106M2	11/7/2000	56.59	ND	NA	ND
MW-106M2	1/27/2001	56.59	ND	NA	ND
MW-106M2	10/30/2001	56.59	ND	NA	ND
MW-106M2	11/27/2001	56.59	ND	NA	ND
MW-106M2	5/22/2002	56.59	ND	ND	ND
MW-106M2	8/14/2002	56.59	ND	ND	ND
MW-106M2	1/27/2003	56.59	ND	NA	ND
MW-106M2	4/30/2003	56.59	ND	ND	ND
MW-106M2	10/8/2003	56.59	ND	ND	ND
MW-106M2	2/13/2004	56.59	ND	NA	ND
MW-106M2	9/23/2004	56.59	ND	ND	ND
MW-106M2	8/16/2005	56.59	ND	ND	ND
MW-118M1	10/31/2000	29.01	ND	ND	ND
MW-118M1	2/13/2001	29.01	ND	ND	ND
MW-118M1	6/5/2001	29.01	ND	ND	ND
MW-118M1	5/14/2002	29.01	NA	ND	NA

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-118M1	8/30/2002	29.01	ND	NA	ND
MW-118M1	5/7/2003	29.01	ND	ND	ND
MW-118M1	9/14/2004	29.01	ND	ND	ND
MW-118M1	10/25/2005	29.01	ND	ND	ND
MW-118M2	10/31/2000	59.01	ND	ND	ND
MW-118M2	2/13/2001	59.01	ND	ND	ND
MW-118M2	6/5/2001	59.01	ND	ND	ND
MW-118M2	5/13/2002	59.01	NA	ND	NA
MW-118M2	8/30/2002	59.01	ND	NA	ND
MW-118M2	5/7/2003	59.01	ND	ND	ND
MW-118M2	9/14/2004	59.01	ND	ND	ND
MW-118M2	10/25/2005	59.01	ND	ND	ND
MW-126M1	11/20/2000	47.15	ND	ND	ND
MW-126M1	2/21/2001	47.15	ND	ND	ND
MW-126M1	6/7/2001	47.15	ND	ND	ND
MW-126M1	12/3/2001	47.15	ND	NA	ND
MW-126M1	3/19/2002	47.15	NA	ND	NA
MW-126M1	6/27/2002	47.15	ND	NA	ND
MW-126M1	8/30/2002	47.15	ND	NA	ND
MW-126M1	2/14/2003	47.15	ND	NA	ND
MW-126M1	4/2/2003	47.15	ND	NA	ND
MW-126M1	11/5/2003	47.15	ND	NA	ND
MW-126M1	12/18/2003	47.15	ND	NA	ND
MW-126M1	7/1/2004	47.15	ND	NA	ND
MW-126M1	9/27/2004	47.15	ND	NA	ND
MW-126M1	12/17/2004	47.15	ND	NA	ND
MW-126M1	5/18/2005	47.15	ND	NA	ND
MW-126M1	11/22/2005	47.15	ND	NA	ND
MW-126M1	2/2/2006	47.15	ND	NA	ND
MW-126S	11/20/2000	66.15	ND	ND	ND
MW-126S	2/21/2001	66.15	ND	ND	ND
MW-126S	6/7/2001	66.15	ND	ND	ND
MW-126S	12/1/2001	66.15	ND	NA	ND
MW-126S	3/19/2002	66.15	NA	ND	NA
MW-126S	6/27/2002	66.15	ND	NA	ND
MW-126S	8/30/2002	66.15	ND	NA	ND
MW-126S	11/5/2003	66.15	ND	NA	ND
MW-126S	12/18/2003	66.15	ND	NA	ND
MW-127S	11/15/2000	66.64	ND	ND	ND
MW-127S	2/14/2001	66.64	ND	**4J**	ND
MW-127S	6/6/2001	66.64	ND	ND	ND
MW-127S	12/12/2001	66.64	NA	ND	NA
MW-127S	8/23/2002	66.64	ND	ND	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-127S	3/27/2003	66.64	NA	ND	NA
MW-127S	8/27/2003	66.64	ND	ND	ND
MW-127S	2/5/2004	66.64	NA	ND	NA
MW-127S	9/1/2004	66.64	ND	ND	ND
MW-127S	9/16/2005	66.64	ND	ND	ND
MW-136M1	11/15/2000	48.88	ND	ND	ND
MW-136M1	2/19/2001	48.88	0.25	ND	0.3J
MW-136M1	6/12/2001	48.88	ND	ND	ND
MW-136M1	12/12/2001	48.88	ND	NA	ND
MW-136M1	6/20/2002	48.88	ND	NA	ND
MW-136M1	9/13/2002	48.88	ND	ND	ND
MW-136M1	12/6/2002	48.88	ND	NA	ND
MW-136M1	3/26/2003	48.88	0.53J	NA	0.56
MW-136M1	11/3/2003	48.88	ND	ND	ND
MW-136M1	3/9/2004	48.88	ND	NA	ND
MW-136M1	7/1/2004	48.88	ND	NA	ND
MW-136M1	8/27/2004	48.88	ND	ND	ND
MW-136M1	12/17/2004	48.88	ND	NA	ND
MW-136M1	6/1/2005	48.88	ND	NA	ND
MW-136M1	8/13/2005	48.88	ND	ND	ND
MW-136M1	12/2/2005	48.88	ND	NA	ND
MW-136S	11/15/2000	65.88	0.81	ND	1.1J
MW-136S	2/19/2001	65.88	**1.6**	ND	1.9J
MW-136S	6/12/2001	65.88	0.66	ND	0.62
MW-136S	12/12/2001	65.88	**1.5**	NA	1.8
MW-136S	6/20/2002	65.88	**1**	NA	0.93J
MW-136S	9/13/2002	65.88	0.79	ND	0.64J
MW-136S	12/6/2002	65.88	0.96J	NA	0.96
MW-136S	3/26/2003	65.88	ND	NA	ND
MW-136S	9/12/2003	65.88	0.6	ND	0.82
MW-136S	3/9/2004	65.88	0.72	NA	0.88
MW-136S	7/1/2004	65.88	0.56	NA	0.52
MW-136S	8/26/2004	65.88	0.63	NA	0.66
MW-136S	1/10/2005	65.88	0.66	ND	0.85
MW-136S	6/9/2005	65.88	0.26J	NA	ND
MW-136S	8/13/2005	65.88	0.56J	ND	0.94J
MW-136S	12/2/2005	65.88	0.62J	NA	1.5
MW-136S	3/22/2006	65.88	0.44	NA	1.1
MW-136S	4/19/2007	65.88	0.66	NA	1.1
MW-164M1	5/25/2001	-51.68	ND	ND	ND
MW-164M1	8/21/2001	-51.68	ND	ND	ND
MW-164M1	1/17/2002	-51.68	ND	ND	ND
MW-164M1	6/20/2002	-51.68	ND	NA	ND
MW-164M1	9/5/2002	-51.68	ND	NA	ND
MW-164M1	1/8/2003	-51.68	ND	NA	ND
MW-164M1	11/13/2003	-51.68	ND	ND	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-164M1	2/5/2004	-51.68	ND	NA	ND
MW-164M1	6/29/2004	-51.68	ND	NA	ND
MW-164M1	9/15/2004	-51.68	ND	NA	ND
MW-164M1	2/3/2005	-51.68	ND	ND	ND
MW-164M1	5/24/2005	-51.68	ND	ND	ND
MW-164M1	9/22/2005	-51.68	ND	ND	ND
MW-164M1	12/21/2005	-51.68	ND	ND	ND
MW-164M1	3/14/2006	-51.68	ND	ND	ND
MW-164M1	4/19/2007	-51.68	ND	0.89J	ND
MW-164M2	5/25/2001	18.32	**12**	ND	0.93
MW-164M2	8/21/2001	18.32	**8**	ND	0.73
MW-164M2	1/17/2002	18.32	**4.6**	ND	0.76
MW-164M2	6/20/2002	18.32	**7.1**	NA	1.1J
MW-164M2	9/5/2002	18.32	**6.9**	NA	1.2
MW-164M2	1/8/2003	18.32	**6.8J**	NA	1.3
MW-164M2	6/6/2003	18.32	**5.9**	ND	1.3
MW-164M2	11/13/2003	18.32	**1.4**	ND	0.61
MW-164M2	2/5/2004	18.32	**1.7**	ND	0.62
MW-164M2	6/29/2004	18.32	**1.4**	NA	0.66
MW-164M2	9/15/2004	18.32	**1.3**	NA	0.65
MW-164M2	10/20/2004	18.32	NA	ND	NA
MW-164M2	1/7/2005	18.32	**1.4**	NA	0.65
MW-164M2	5/25/2005	18.32	**4.3**	NA	1.8
MW-164M2	9/22/2005	18.32	**4.9**	ND	2.7
MW-164M2	12/21/2005	18.32	**5**	NA	4.4
MW-164M2	3/14/2006	18.32	**5J**	NA	5.5J
MW-164M2	4/19/2007	18.32	**2.4**	NA	12
MW-164M3	5/25/2001	58.32	ND	ND	ND
MW-164M3	8/22/2001	58.32	ND	ND	ND
MW-164M3	1/16/2002	58.32	ND	ND	ND
MW-164M3	6/20/2002	58.32	ND	NA	ND
MW-164M3	9/5/2002	58.32	ND	NA	ND
MW-164M3	1/8/2003	58.32	ND	NA	ND
MW-164M3	6/6/2003	58.32	NA	ND	NA
MW-164M3	11/13/2003	58.32	ND	ND	ND
MW-164M3	2/6/2004	58.32	ND	ND	ND
MW-164M3	6/29/2004	58.32	ND	NA	ND
MW-164M3	9/15/2004	58.32	ND	ND	ND
MW-164M3	1/7/2005	58.32	ND	ND	ND
MW-164M3	5/25/2005	58.32	ND	NA	ND
MW-164M3	9/22/2005	58.32	ND	ND	ND
MW-164M3	12/21/2005	58.32	ND	NA	ND
MW-166M1	5/31/2001	-42.57	**4.7**	ND	ND
MW-166M1	10/4/2001	-42.57	**3.4**	ND	ND
MW-166M1	1/16/2002	-42.57	**2.4**	ND	0.29
MW-166M1	6/18/2002	-42.57	**1.6**	NA	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-166M1	9/10/2002	-42.57	0.98	ND	ND
MW-166M1	12/6/2002	-42.57	0.84J	NA	ND
MW-166M1	7/1/2003	-42.57	**3.1**	NA	ND
MW-166M1	11/11/2003	-42.57	**4.8**	ND	ND
MW-166M1	2/20/2004	-42.57	**4.6**	NA	0.3
MW-166M1	6/29/2004	-42.57	**4.2**	NA	0.43
MW-166M1	9/30/2004	-42.57	**4.7**	ND	0.47
MW-166M1	1/5/2005	-42.57	**4.7**	NA	0.46J
MW-166M1	6/9/2005	-42.57	**3.4**	NA	0.45
MW-166M1	8/13/2005	-42.57	**2.1J**	ND	0.37
MW-166M1	12/2/2005	-42.57	**1.9J**	NA	0.42
MW-166M1	3/21/2006	-42.57	0.83	NA	0.3
MW-166M1	4/20/2007	-42.57	0.5	NA	ND
MW-166M2	6/1/2001	22.93	0.54	ND	0.49
MW-166M2	10/4/2001	22.93	0.48J	ND	0.41
MW-166M2	1/17/2002	22.93	0.48	ND	0.46
MW-166M2	6/18/2002	22.93	0.53	ND	0.4
MW-166M2	10/11/2002	22.93	0.39J	ND	0.38
MW-166M2	12/9/2002	22.93	0.38	ND	0.36
MW-166M2	6/30/2003	22.93	0.56	NA	0.26
MW-166M2	11/11/2003	22.93	0.69	ND	0.33
MW-166M2	2/20/2004	22.93	0.66	ND	0.35
MW-166M2	6/29/2004	22.93	0.63	ND	0.38
MW-166M2	9/30/2004	22.93	0.65	ND	0.41
MW-166M2	1/7/2005	22.93	0.68	ND	0.51
MW-166M2	6/9/2005	22.93	0.67J	ND	0.47
MW-166M2	8/13/2005	22.93	0.71	ND	0.38
MW-166M2	12/2/2005	22.93	0.74	ND	0.46
MW-166M2	3/21/2006	22.93	0.56	NA	0.46J
MW-166M2	4/20/2007	22.93	0.49	NA	0.31
MW-166M3	6/1/2001	47.93	**3.3**	ND	0.72
MW-166M3	10/4/2001	47.93	**2.9**	1.5J	0.36
MW-166M3	1/17/2002	47.93	**2.1**	1.82J	0.29
MW-166M3	6/18/2002	47.93	**1.1**	1	ND
MW-166M3	7/1/2002	47.93	NA	**2**	NA
MW-166M3	10/4/2002	47.93	**1.2**	1.2	ND
MW-166M3	12/9/2002	47.93	**1.4**	1.4	ND
MW-166M3	7/2/2003	47.93	**2.2**	0.95J	0.68
MW-166M3	11/11/2003	47.93	ND	ND	ND
MW-166M3	2/20/2004	47.93	ND	NA	ND
MW-166M3	6/29/2004	47.93	ND	ND	ND
MW-166M3	9/30/2004	47.93	ND	ND	ND
MW-166M3	3/10/2005	47.93	ND	ND	ND
MW-166M3	6/9/2005	47.93	0.59J	ND	ND
MW-166M3	8/13/2005	47.93	**4.7**	ND	0.26
MW-166M3	12/20/2005	47.93	**12**	ND	1.2

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-166M3	3/23/2006	47.93	**4.4**	ND	0.45
MW-166M3	4/20/2007	47.93	0.31	ND	ND
MW-168M1	6/4/2001	-106.86	ND	ND	ND
MW-168M1	10/5/2001	-106.86	ND	NA	ND
MW-168M1	1/18/2002	-106.86	ND	ND	ND
MW-168M1	11/13/2003	-106.86	ND	ND	ND
MW-168M1	8/26/2004	-106.86	ND	ND	ND
MW-168M1	9/22/2005	-106.86	ND	ND	ND
MW-168M2	6/5/2001	-48.86	ND	ND	ND
MW-168M2	10/5/2001	-48.86	ND	ND	ND
MW-168M2	1/18/2002	-48.86	ND	ND	ND
MW-168M2	11/13/2003	-48.86	ND	ND	ND
MW-168M2	7/1/2004	-48.86	ND	ND	ND
MW-168M2	8/27/2004	-48.86	ND	ND	ND
MW-168M2	3/9/2005	-48.86	ND	ND	ND
MW-168M2	6/14/2005	-48.86	ND	ND	ND
MW-168M2	10/14/2005	-48.86	ND	ND	ND
MW-168M2	1/19/2006	-48.86	ND	ND	ND
MW-168M2	3/16/2006	-48.86	ND	ND	ND
MW-168M2	10/30/2006	-48.86	ND	ND	ND
MW-168M2	4/20/2007	-48.86	ND	ND	ND
MW-168M2	10/5/2007	-48.86	ND	ND	ND
MW-168M3	6/4/2001	46.14	ND	ND	ND
MW-168M3	10/4/2001	46.14	ND	ND	ND
MW-168M3	1/22/2002	46.14	ND	ND	ND
MW-168M3	9/13/2002	46.14	0.38	NA	ND
MW-168M3	6/13/2003	46.14	0.36J	1.6	ND
MW-168M3	11/13/2003	46.14	0.39	1.8J	ND
MW-168M3	3/9/2004	46.14	ND	NA	ND
MW-168M3	7/1/2004	46.14	ND	0.64J	ND
MW-168M3	8/26/2004	46.14	0.25	ND	ND
MW-168M3	3/11/2005	46.14	ND	ND	ND
MW-168M3	6/14/2005	46.14	ND	0.44J	ND
MW-168M3	10/1/2005	46.14	ND	ND	ND
MW-168M3	1/19/2006	46.14	ND	ND	ND
MW-168M3	3/16/2006	46.14	ND	ND	ND
MW-168M3	10/30/2006	46.14	ND	ND	ND
MW-168M3	4/20/2007	46.14	ND	ND	ND
MW-168M3	10/5/2007	46.14	ND	ND	ND
MW-187D	1/23/2002	-136.54	0.3J	ND	ND
MW-187D	2/11/2002	-136.54	0.49J	NA	ND
MW-187D	7/11/2002	-136.54	ND	ND	ND
MW-187D	10/17/2002	-136.54	ND	ND	ND
MW-187D	7/7/2003	-136.54	ND	ND	ND
MW-187D	11/21/2003	-136.54	ND	ND	ND
MW-187D	3/5/2004	-136.54	ND	ND	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-187D	7/13/2004	-136.54	ND	NA	ND
MW-187D	9/1/2004	-136.54	ND	NA	ND
MW-187D	2/1/2005	-136.54	ND	NA	ND
MW-187D	5/24/2005	-136.54	ND	NA	ND
MW-187D	9/16/2005	-136.54	ND	ND	ND
MW-187D	1/26/2006	-136.54	ND	NA	ND
MW-187M1	1/24/2002	9.46	0.81J	ND	0.36J
MW-187M1	7/15/2002	9.46	0.6	ND	0.35J
MW-187M1	10/16/2002	9.46	0.49J	ND	0.31
MW-187M1	7/7/2003	9.46	ND	ND	ND
MW-187M1	11/21/2003	9.46	ND	ND	ND
MW-187M1	3/8/2004	9.46	ND	ND	ND
MW-187M1	7/19/2004	9.46	ND	ND	ND
MW-187M1	9/1/2004	9.46	ND	ND	ND
MW-187M1	2/1/2005	9.46	ND	ND	ND
MW-187M1	5/24/2005	9.46	ND	ND	ND
MW-187M1	9/16/2005	9.46	ND	ND	ND
MW-187M1	1/26/2006	9.46	ND	ND	ND
MW-187M1	3/14/2006	9.46	ND	NA	ND
MW-187M1	4/19/2007	9.46	ND	NA	ND
MW-187S	1/23/2002	66.46	ND	ND	ND
MW-187S	7/15/2002	66.46	ND	ND	ND
MW-187S	10/17/2002	66.46	ND	ND	ND
MW-187S	11/21/2003	66.46	ND	NA	ND
MW-187S	9/1/2004	66.46	ND	ND	ND
MW-187S	9/16/2005	66.46	ND	ND	ND
MW-188M1	1/30/2002	19.41	ND	ND	ND
MW-188M1	7/18/2002	19.41	ND	ND	ND
MW-188M1	1/2/2003	19.41	ND	ND	ND
MW-188M1	2/3/2004	19.41	ND	NA	ND
MW-188M1	3/22/2004	19.41	ND	NA	ND
MW-188M1	9/15/2004	19.41	ND	NA	ND
MW-188M1	9/22/2005	19.41	ND	NA	ND
MW-188M1	3/14/2006	19.41	ND	NA	ND
MW-188M1	4/19/2007	19.41	ND	NA	ND
MW-188S	2/7/2002	65.41	ND	ND	ND
MW-188S	7/23/2002	65.41	ND	ND	ND
MW-188S	1/2/2003	65.41	ND	ND	ND
MW-189S	2/1/2002	63.7	ND	ND	ND
MW-189S	7/18/2002	63.7	ND	ND	ND
MW-189S	10/17/2002	63.7	ND	ND	ND
MW-189S	11/21/2003	63.7	ND	NA	ND
MW-189S	9/15/2004	63.7	ND	ND	ND
MW-189S	10/1/2005	63.7	ND	ND	ND
MW-191M1	1/25/2002	40.12	**1.4J**	ND	3J
MW-191M1	7/25/2002	40.12	**1.1**	ND	2.4

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-191M1	10/21/2002	40.12	0.36J	ND	ND
MW-191M1	6/26/2003	40.12	ND	NA	ND
MW-191M1	11/6/2003	40.12	ND	ND	0.97
MW-191M1	12/19/2003	40.12	ND	ND	1.3
MW-191M1	6/29/2004	40.12	ND	NA	1.4J
MW-191M1	8/31/2004	40.12	ND	ND	1.5
MW-191M1	3/8/2005	40.12	ND	NA	0.9
MW-191M1	6/6/2005	40.12	ND	NA	ND
MW-191M1	9/22/2005	40.12	ND	ND	ND
MW-191M1	12/20/2005	40.12	ND	NA	ND
MW-191M2	1/25/2002	54.62	**2.1J**	ND	7.8J
MW-191M2	8/2/2002	54.62	**1.9**	ND	14J
MW-191M2	10/21/2002	54.62	**1.8**	ND	15J
MW-191M2	6/26/2003	54.62	**1.6**	NA	38
MW-191M2	9/9/2003	54.62	**1.9J**	ND	55
MW-191M2	12/19/2003	54.62	**1.8J**	ND	88
MW-191M2	5/19/2004	54.62	**1.4**	ND	110J
MW-191M2	8/31/2004	54.62	**1.2**	ND	99
MW-191M2	6/6/2005	54.62	**1.2J**	ND	78
MW-191M2	9/22/2005	54.62	0.83J	ND	66
MW-191M2	3/14/2006	54.62	0.98	ND	110
MW-191M2	4/19/2007	54.62	0.77	ND	50
MW-191S	1/28/2002	68.62	ND	ND	ND
MW-191S	8/2/2002	68.62	ND	0.83J	ND
MW-191S	10/21/2002	68.62	0.62	ND	1.7
MW-191S	6/26/2003	68.62	0.52	NA	4.1
MW-191S	9/9/2003	68.62	0.72J	ND	11
MW-191S	12/19/2003	68.62	ND	ND	0.46
MW-191S	5/19/2004	68.62	0.53	ND	ND
MW-191S	8/31/2004	68.62	ND	ND	0.8
MW-191S	3/8/2005	68.62	ND	ND	ND
MW-191S	6/6/2005	68.62	0.36J	ND	0.77
MW-191S	10/1/2005	68.62	ND	ND	ND
MW-191S	12/20/2005	68.62	ND	ND	ND
MW-192M1	1/29/2002	-21.45	ND	ND	ND
MW-192M1	7/25/2002	-21.45	ND	ND	ND
MW-192M1	10/22/2002	-21.45	ND	ND	ND
MW-192M1	11/5/2003	-21.45	ND	NA	ND
MW-192M1	10/19/2004	-21.45	ND	ND	ND
MW-192M1	9/27/2005	-21.45	ND	ND	ND
MW-192M2	1/29/2002	38.55	ND	ND	ND
MW-192M2	8/2/2002	38.55	ND	ND	ND
MW-192M2	10/22/2002	38.55	ND	ND	ND
MW-192M2	11/5/2003	38.55	ND	NA	ND
MW-192M2	10/19/2004	38.55	ND	ND	ND
MW-192M2	9/27/2005	38.55	ND	ND	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-192M3	1/29/2002	58.55	ND	ND	ND
MW-192M3	8/5/2002	58.55	ND	ND	ND
MW-192M3	10/22/2002	58.55	ND	ND	ND
MW-192M3	11/5/2003	58.55	ND	NA	ND
MW-192M3	10/19/2004	58.55	ND	ND	ND
MW-192M3	11/14/2005	58.55	ND	ND	ND
MW-205D	4/10/2002	-108.24	ND	NA	ND
MW-205D	7/29/2002	-108.24	ND	NA	ND
MW-205D	10/31/2002	-108.24	ND	NA	ND
MW-205D	6/12/2003	-108.24	ND	ND	ND
MW-205D	10/17/2003	-108.24	ND	ND	ND
MW-205D	3/2/2004	-108.24	ND	ND	ND
MW-205D	7/23/2004	-108.24	ND	NA	ND
MW-205D	8/13/2004	-108.24	ND	ND	ND
MW-205D	5/6/2005	-108.24	ND	NA	ND
MW-205D	7/29/2005	-108.24	ND	ND	ND
MW-205M1	4/10/2002	-9.24	**1.6**	NA	ND
MW-205M1	7/29/2002	-9.24	0.81	ND	ND
MW-205M1	10/30/2002	-9.24	0.52	NA	ND
MW-205M1	6/13/2003	-9.24	0.37J	ND	ND
MW-205M1	10/15/2003	-9.24	0.34J	ND	ND
MW-205M1	2/25/2004	-9.24	ND	ND	ND
MW-205M1	7/23/2004	-9.24	ND	NA	ND
MW-205M1	8/13/2004	-9.24	ND	ND	ND
MW-205M1	11/17/2004	-9.24	ND	NA	ND
MW-205M1	5/6/2005	-9.24	**1.1**	NA	ND
MW-205M1	7/29/2005	-9.24	0.9	ND	ND
MW-205M1	12/12/2005	-9.24	0.38J	NA	ND
MW-220D	8/29/2002	-109.85	ND	ND	ND
MW-220D	12/3/2002	-109.85	ND	NA	ND
MW-220D	2/26/2003	-109.85	ND	NA	ND
MW-220D	1/30/2004	-109.85	ND	ND	ND
MW-220D	3/17/2004	-109.85	ND	NA	ND
MW-220D	6/24/2004	-109.85	ND	NA	ND
MW-220D	9/22/2004	-109.85	ND	ND	ND
MW-220D	1/10/2005	-109.85	ND	NA	ND
MW-220D	6/1/2005	-109.85	ND	NA	ND
MW-220D	11/22/2005	-109.85	ND	ND	ND
MW-220D	2/14/2006	-109.85	ND	NA	ND
MW-220M1	8/29/2002	-60.85	ND	ND	ND
MW-220M1	11/22/2002	-60.85	ND	NA	ND
MW-220M1	2/14/2003	-60.85	ND	NA	ND
MW-220M1	1/30/2004	-60.85	ND	ND	ND
MW-220M1	3/18/2004	-60.85	ND	NA	ND
MW-220M1	6/25/2004	-60.85	ND	NA	ND
MW-220M1	9/22/2004	-60.85	ND	ND	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-220M1	1/10/2005	-60.85	ND	NA	ND
MW-220M1	6/1/2005	-60.85	ND	NA	ND
MW-220M1	11/22/2005	-60.85	ND	ND	ND
MW-220M1	2/14/2006	-60.85	ND	NA	ND
MW-220M1	11/1/2006	-60.85	ND	ND	ND
MW-220M1	4/18/2007	-60.85	ND	ND	ND
MW-220M1	10/4/2007	-60.85	ND	ND	ND
MW-220S	8/28/2002	62.15	ND	ND	ND
MW-220S	11/22/2002	62.15	ND	NA	ND
MW-220S	2/14/2003	62.15	ND	NA	ND
MW-220S	2/3/2004	62.15	ND	NA	ND
MW-220S	9/22/2004	62.15	ND	NA	ND
MW-220S	11/22/2005	62.15	ND	NA	ND
MW-222M1	7/31/2002	-65.75	ND	ND	ND
MW-222M1	11/1/2002	-65.75	ND	NA	ND
MW-222M1	2/28/2003	-65.75	ND	NA	ND
MW-222M1	2/28/2003	-65.75	ND	NA	ND
MW-222M1	2/4/2004	-65.75	ND	ND	ND
MW-222M1	3/19/2004	-65.75	NA	ND	NA
MW-222M1	6/14/2004	-65.75	NA	ND	NA
MW-222M1	8/20/2004	-65.75	ND	ND	ND
MW-222M1	4/29/2005	-65.75	NA	ND	NA
MW-222M1	7/29/2005	-65.75	ND	ND	ND
MW-222M2	8/2/2002	-10.75	ND	0.6J	ND
MW-222M2	11/1/2002	-10.75	ND	NA	ND
MW-222M2	2/28/2003	-10.75	ND	NA	ND
MW-222M2	3/18/2003	-10.75	NA	ND	NA
MW-222M2	8/4/2003	-10.75	NA	ND	NA
MW-222M2	2/4/2004	-10.75	ND	ND	ND
MW-222M2	3/19/2004	-10.75	NA	ND	NA
MW-222M2	6/14/2004	-10.75	NA	ND	NA
MW-222M2	8/20/2004	-10.75	ND	ND	ND
MW-222M2	11/17/2004	-10.75	NA	ND	NA
MW-222M2	4/29/2005	-10.75	NA	ND	NA
MW-222M2	7/29/2005	-10.75	ND	ND	ND
MW-222M2	11/29/2005	-10.75	NA	ND	NA
MW-224M1	8/29/2002	35.5	ND	ND	ND
MW-224M1	12/6/2002	35.5	ND	NA	ND
MW-224M1	3/3/2003	35.5	ND	NA	ND
MW-224M1	2/3/2004	35.5	ND	ND	ND
MW-224M1	9/22/2004	35.5	ND	ND	ND
MW-224M1	11/22/2005	35.5	ND	ND	ND
MW-224S	8/29/2002	62.5	ND	ND	ND
MW-224S	12/6/2002	62.5	ND	NA	ND
MW-224S	2/28/2003	62.5	ND	NA	ND
MW-224S	2/3/2004	62.5	ND	ND	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-224S	9/22/2004	62.5	ND	ND	ND
MW-224S	11/22/2005	62.5	ND	ND	ND
MW-244M1	1/22/2003	-91.66	ND	ND	ND
MW-244M1	4/30/2003	-91.66	ND	ND	ND
MW-244M1	10/1/2003	-91.66	ND	ND	ND
MW-244M1	6/22/2004	-91.66	ND	NA	ND
MW-244M1	9/27/2004	-91.66	ND	ND	ND
MW-244M1	12/22/2004	-91.66	ND	NA	ND
MW-244M1	5/4/2005	-91.66	ND	NA	ND
MW-244M1	11/3/2005	-91.66	ND	ND	ND
MW-244M1	2/3/2006	-91.66	ND	NA	ND
MW-244S	1/22/2003	60.34	ND	ND	ND
MW-244S	4/30/2003	60.34	ND	ND	ND
MW-244S	8/28/2003	60.34	ND	ND	ND
MW-244S	9/22/2004	60.34	ND	ND	ND
MW-244S	11/3/2005	60.34	ND	ND	ND
MW-245M1	1/23/2003	-60.17	ND	ND	ND
MW-245M1	6/2/2003	-60.17	ND	ND	ND
MW-245M1	11/6/2003	-60.17	ND	ND	ND
MW-245M1	10/13/2004	-60.17	ND	ND	ND
MW-245M1	11/22/2005	-60.17	ND	ND	ND
MW-245S	1/23/2003	61.93	ND	ND	ND
MW-245S	6/2/2003	61.93	ND	ND	ND
MW-245S	11/6/2003	61.93	ND	ND	ND
MW-253D	4/9/2003	-117.04	ND	ND	ND
MW-253D	8/20/2003	-117.04	ND	ND	ND
MW-253D	12/2/2003	-117.04	ND	ND	ND
MW-253M1	4/9/2003	-77.04	ND	ND	ND
MW-253M1	8/20/2003	-77.04	ND	ND	ND
MW-253M1	12/2/2003	-77.04	ND	ND	ND
MW-253M1	9/27/2004	-77.04	ND	ND	ND
MW-253M1	10/19/2005	-77.04	ND	ND	ND
MW-253M1	3/20/2006	-77.04	ND	ND	ND
MW-253M1	11/1/2006	-77.44	ND	ND	ND
MW-253M1	4/17/2007	-77.44	ND	ND	ND
MW-253M1	10/1/2007	-77.44	ND	ND	ND
MW-253M1	5/16/2008	-77.44	ND	ND	ND
MW-253S	4/10/2003	60.96	ND	ND	ND
MW-253S	8/20/2003	60.96	ND	ND	ND
MW-253S	12/3/2003	60.96	ND	ND	ND
MW-256D	4/9/2003	-115.98	ND	ND	ND
MW-256D	8/29/2003	-115.98	ND	ND	ND
MW-256D	12/9/2003	-115.98	ND	ND	ND
MW-256D	8/24/2004	-115.98	ND	ND	ND
MW-256D	9/20/2005	-115.98	ND	ND	ND
MW-256M1	4/9/2003	-16.98	ND	ND	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-256M1	8/29/2003	-16.98	ND	ND	ND
MW-256M1	12/9/2003	-16.98	ND	ND	ND
MW-256M1	8/24/2004	-16.98	ND	ND	ND
MW-256M1	9/21/2005	-16.98	ND	ND	ND
MW-265M1	5/15/2003	-77.77	ND	ND	ND
MW-265M1	12/1/2003	-77.77	ND	ND	ND
MW-265M1	3/3/2004	-77.77	ND	NA	ND
MW-265M1	9/27/2004	-77.77	ND	ND	ND
MW-265M1	2/16/2005	-77.77	ND	ND	ND
MW-265M1	5/16/2005	-77.77	ND	ND	ND
MW-265M1	8/31/2005	-77.77	ND	ND	ND
MW-265M1	1/26/2006	-77.77	ND	ND	ND
MW-265M1	3/21/2006	-77.77	ND	ND	ND
MW-265M1	4/17/2007	-77.77	ND	0.36J	ND
MW-265M2	5/15/2003	-37.77	**2.5**	**30.4**	ND
MW-265M2	12/1/2003	-37.77	**3.4**	**33**	ND
MW-265M2	3/3/2004	-37.77	**3.5**	NA	ND
MW-265M2	9/27/2004	-37.77	**3.6**	**23**	ND
MW-265M2	2/16/2005	-37.77	**3.4**	**18**	ND
MW-265M2	5/16/2005	-37.77	**3.4**	**17**	ND
MW-265M2	8/31/2005	-37.77	**2.9**	**23.4**	0.33
MW-265M2	1/26/2006	-37.77	**2.4**	**29.4**	0.33
MW-265M2	3/21/2006	-37.77	**2.4**	**30.6J**	0.39
MW-265M2	4/17/2007	-37.77	**1.8**	**24.6**	0.53
MW-265M3	5/15/2003	-12.77	ND	**4.41**	ND
MW-265M3	12/1/2003	-12.77	ND	**9.7**	ND
MW-265M3	3/3/2004	-12.77	0.68	NA	ND
MW-265M3	10/5/2004	-12.77	0.95	**8.9**	ND
MW-265M3	2/16/2005	-12.77	**1.4J**	**7J**	ND
MW-265M3	5/16/2005	-12.77	**2.4**	**6.4**	0.38J
MW-265M3	8/31/2005	-12.77	**2.7**	**4.6**	0.29
MW-265M3	1/26/2006	-12.77	**1.2**	NA	ND
MW-265M3	3/21/2006	-12.77	**1.1**	**2J**	ND
MW-265M3	4/17/2007	-12.77	0.54	0.57J	ND
MW-266M1	5/22/2003	-99.62	ND	ND	ND
MW-266M1	9/2/2003	-99.62	ND	ND	ND
MW-266M1	12/8/2003	-99.62	ND	ND	ND
MW-266M2	5/23/2003	-31.62	ND	ND	ND
MW-266M2	9/2/2003	-31.62	ND	ND	ND
MW-266M2	12/8/2003	-31.62	ND	ND	ND
MW-266M2	7/8/2004	-31.62	ND	NA	ND
MW-266M2	10/4/2004	-31.62	ND	NA	ND
MW-266M2	1/20/2005	-31.62	ND	NA	ND
MW-266M2	5/13/2005	-31.62	R	NA	ND
MW-266M2	10/7/2005	-31.62	ND	NA	ND
MW-266M2	1/5/2006	-31.62	ND	NA	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-27	10/7/1997	68.35	0.3J	NA	ND
MW-27	11/21/1997	68.35	ND	NA	ND
MW-27	3/18/1999	68.35	0.39J	NA	ND
MW-27	9/17/1999	68.35	ND	NA	ND
MW-27	5/30/2000	68.35	**1.2**	NA	ND
MW-27	8/9/2000	68.35	**1.3**	ND	ND
MW-27	12/28/2000	68.35	0.5J	NA	ND
MW-27	5/1/2001	68.35	0.35	NA	ND
MW-27	11/30/2001	68.35	0.3	NA	ND
MW-27	11/25/2003	68.35	ND	NA	ND
MW-27	2/27/2004	68.35	ND	NA	ND
MW-27	7/20/2004	68.35	ND	NA	ND
MW-27	9/24/2004	68.35	ND	ND	ND
MW-27	5/4/2005	68.35	ND	NA	ND
MW-27	10/5/2005	68.35	ND	ND	ND
MW-27	1/25/2006	68.35	ND	NA	ND
MW-27	4/20/2006	68.35	ND	NA	ND
MW-27	5/31/2007	68.35	ND	NA	ND
MW-286M1	12/1/2003	-68	ND	ND	ND
MW-286M1	3/4/2004	-68	ND	NA	ND
MW-286M1	6/21/2004	-68	ND	ND	ND
MW-286M1	1/14/2005	-68	ND	ND	ND
MW-286M1	6/13/2005	-68	ND	ND	ND
MW-286M1	9/29/2005	-68	ND	ND	ND
MW-286M1	1/23/2006	-68	ND	ND	ND
MW-286M1	3/16/2006	-68	ND	ND	ND
MW-286M1	4/13/2007	-68	ND	ND	ND
MW-286M1	5/16/2008	-68	ND	ND	ND
MW-286M2	12/2/2003	-14	0.54	**2.13**	ND
MW-286M2	3/4/2004	-14	0.54	NA	ND
MW-286M2	6/21/2004	-14	0.39J	1.4	ND
MW-286M2	1/14/2005	-14	0.28	**2**	ND
MW-286M2	6/13/2005	-14	0.43	**6.4**	ND
MW-286M2	9/29/2005	-14	0.61	**7.6**	ND
MW-286M2	1/23/2006	-14	0.41	**6.8**	ND
MW-286M2	3/20/2006	-14	0.45	**7J**	ND
MW-286M2	4/13/2007	-14	0.41	**5.1**	ND
MW-286M2	5/16/2008	-14	ND	1.8	ND
MW-286S	12/2/2003	69	ND	ND	ND
MW-286S	3/4/2004	69	ND	NA	ND
MW-286S	6/21/2004	69	ND	ND	ND
MW-286S	1/14/2005	69	ND	ND	ND
MW-303M1	3/25/2004	-123.28	ND	ND	ND
MW-303M1	8/12/2004	-123.28	ND	ND	ND
MW-303M1	12/15/2004	-123.28	ND	ND	ND
MW-303M1	6/7/2005	-123.28	ND	ND	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-303M1	8/30/2005	-123.28	ND	ND	ND
MW-303M1	12/2/2005	-123.28	ND	ND	ND
MW-303M1	3/15/2006	-123.28	ND	ND	ND
MW-303M1	4/19/2007	-123.28	ND	ND	ND
MW-303M2	3/30/2004	-59.305	**32**	**31**	1.4
MW-303M2	8/12/2004	-59.305	**28**	**29**	1.3
MW-303M2	12/15/2004	-59.305	**31**	**20**	1.7
MW-303M2	6/7/2005	-59.305	**27**	**19**	1.4
MW-303M2	8/30/2005	-59.305	**26**	**13.5**	1.9
MW-303M2	12/2/2005	-59.305	**24**	**10.1**	2.4
MW-303M2	3/15/2006	-59.305	**22**	**10.7**	1.8J
MW-303M2	10/30/2006	-59.305	**15**	**5.4**	1.9
MW-303M2	4/19/2007	-59.305	**14**	**5**	1.5
MW-303M2	10/5/2007	-59.305	**13**	**3.3**	1.4
MW-303M3	3/25/2004	36.075	**3**	**2.2**	1.2
MW-303M3	8/12/2004	36.075	**1.5**	1	0.6
MW-303M3	12/15/2004	36.075	0.87	0.65J	0.46
MW-303M3	6/8/2005	36.075	0.76J	ND	0.43
MW-303M3	8/30/2005	36.075	ND	0.4J	ND
MW-303M3	12/2/2005	36.075	ND	ND	ND
MW-303M3	3/15/2006	36.075	0.63	ND	0.26
MW-303M3	10/31/2006	36.075	ND	ND	ND
MW-303M3	4/19/2007	36.075	0.63	ND	ND
MW-303M3	10/5/2007	36.075	ND	ND	ND
MW-306D	3/30/2004	-110.99	ND	ND	ND
MW-306D	8/13/2004	-110.99	ND	ND	ND
MW-306D	12/14/2004	-110.99	ND	ND	ND
MW-306M1	4/1/2004	-4.21	**2.1**	1.7	0.44
MW-306M1	8/13/2004	-4.21	**1.9**	1.6	0.47
MW-306M1	12/14/2004	-4.21	**2.4**	1.3	0.53
MW-306M1	6/15/2005	-4.21	**3.2**	1.4	0.66
MW-306M1	10/25/2005	-4.21	**4.3J**	0.58J	0.62J
MW-306M1	1/26/2006	-4.21	**4.2**	ND	0.6
MW-306M1	3/20/2006	-4.21	**4**	ND	0.69
MW-306M1	4/19/2007	-4.21	**3.8**	0.45J	0.68
MW-306M2	4/1/2004	15.98	**8.3**	ND	0.74
MW-306M2	8/13/2004	15.98	**5.2**	ND	0.76
MW-306M2	12/14/2004	15.98	**5.1**	ND	1.2
MW-306M2	6/16/2005	15.98	**4.3**	ND	1.6
MW-306M2	11/2/2005	15.98	**1.6J**	ND	1.1
MW-306M2	2/2/2006	15.98	**1.3**	ND	0.9
MW-306M2	3/20/2006	15.98	**1.4**	ND	0.91
MW-306M2	4/27/2007	15.98	0.61	ND	0.43
MW-315M1	5/6/2004	-60.27	ND	ND	ND
MW-315M1	9/15/2004	-60.27	ND	ND	ND
MW-315M1	1/19/2005	-60.27	ND	ND	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-315M1	11/21/2005	-60.27	ND	ND	ND
MW-315M1	1/27/2006	-60.27	ND	ND	ND
MW-315M1	3/20/2006	-60.27	ND	ND	ND
MW-315M1	4/17/2007	-60.27	ND	ND	ND
MW-315M1	5/16/2008	-60.27	ND	ND	ND
MW-315M2	5/7/2004	-10.5	ND	ND	ND
MW-315M2	9/15/2004	-10.5	ND	ND	ND
MW-315M2	1/20/2005	-10.5	ND	ND	ND
MW-315M2	11/21/2005	-10.5	ND	ND	ND
MW-315M2	2/14/2006	-10.5	ND	ND	ND
MW-326M1	6/28/2004	-68.66	ND	ND	ND
MW-326M1	10/29/2004	-68.66	ND	ND	ND
MW-326M1	3/25/2005	-68.66	ND	ND	ND
MW-326M1	11/18/2005	-68.66	ND	ND	ND
MW-326M1	1/27/2006	-68.66	ND	ND	ND
MW-326M1	3/22/2006	-68.66	ND	ND	ND
MW-326M1	11/1/2006	-68.66	ND	ND	ND
MW-326M1	4/18/2007	-68.66	ND	ND	ND
MW-326M1	10/4/2007	-68.66	ND	ND	ND
MW-326M2	6/30/2004	-14.925	**2.1**	**21**	ND
MW-326M2	10/29/2004	-14.925	**1.7J**	**18**	ND
MW-326M2	4/11/2005	-14.925	**1.1**	**16**	ND
MW-326M2	11/18/2005	-14.925	0.54J	**12.4**	ND
MW-326M2	1/27/2006	-14.925	0.61J	**12.3**	ND
MW-326M2	3/22/2006	-14.925	0.68	**12.5J**	ND
MW-326M2	4/18/2007	-14.925	0.56	**10.1**	ND
MW-326M3	6/30/2004	16.1	ND	1.2	ND
MW-326M3	10/29/2004	16.1	ND	0.99J	ND
MW-326M3	3/25/2005	16.1	ND	1.4	ND
MW-326M3	11/18/2005	16.1	0.64J	1.1	ND
MW-326M3	1/27/2006	16.1	0.91	0.99J	ND
MW-326M3	3/22/2006	16.1	**1.1**	1.3J	ND
MW-326M3	4/18/2007	16.1	**2.8**	1.7	ND
MW-346M1	12/9/2004	-68.9	ND	**2.8**	ND
MW-346M1	4/14/2005	-68.9	ND	**5.2**	ND
MW-346M1	8/15/2005	-68.9	ND	**6.5**	ND
MW-346M1	1/27/2006	-68.9	ND	**10.4**	ND
MW-346M1	3/15/2006	-68.9	NA	**11.8**	NA
MW-346M1	4/17/2007	-68.9	NA	**25**	NA
MW-346M2	12/9/2004	-29.49	0.3	**3**	ND
MW-346M2	4/13/2005	-29.49	0.36J	**5.8**	ND
MW-346M2	8/15/2005	-29.49	0.37	**11**	ND
MW-346M2	1/27/2006	-29.49	0.41	**25.9**	ND
MW-346M3	12/9/2004	0.52	ND	ND	ND
MW-346M3	4/13/2005	0.52	R	R	R
MW-346M3	5/18/2005	0.52	0.47	**8.5**	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-346M3	8/15/2005	0.52	ND	1.7	ND
MW-346M3	1/27/2006	0.52	ND	ND	ND
MW-346M3	3/15/2006	0.52	ND	ND	ND
MW-346M3	4/17/2007	0.52	ND	ND	ND
MW-346M4	12/9/2004	35.41	0.31	0.78J	ND
MW-346M4	4/13/2005	35.41	0.27J	0.75J	ND
MW-346M4	8/15/2005	35.41	ND	0.57J	ND
MW-346M4	1/27/2006	35.41	ND	ND	ND
MW-346M4	3/15/2006	35.41	ND	ND	ND
MW-346M4	4/17/2007	35.41	ND	ND	ND
MW-349M1	12/7/2004	-46.31	ND	ND	ND
MW-349M1	4/12/2005	-46.31	ND	ND	ND
MW-349M1	8/10/2005	-46.31	ND	ND	ND
MW-349M2	12/9/2004	-12.31	ND	ND	ND
MW-349M2	4/12/2005	-12.31	ND	0.55J	ND
MW-349M2	8/10/2005	-12.31	ND	0.48J	ND
MW-349M2	12/16/2005	-12.31	ND	0.49J	ND
MW-349M2	3/14/2006	-12.31	ND	ND	ND
MW-349M2	11/1/2006	-12.31	ND	ND	ND
MW-349M2	4/18/2007	-12.31	ND	ND	ND
MW-349M2	10/4/2007	-12.31	ND	ND	ND
MW-349M3	12/7/2004	8.69	ND	ND	ND
MW-349M3	4/12/2005	8.69	ND	ND	ND
MW-349M3	8/10/2005	8.69	ND	ND	ND
MW-369M1	7/12/2005	-75.22	**1.3**	0.44J	ND
MW-369M1	11/8/2005	-75.22	**1.4**	0.64J	ND
MW-369M1	3/8/2006	-75.22	**1.6**	ND	ND
MW-369M1	3/28/2006	-75.22	**1.7**	ND	ND
MW-369M1	11/7/2006	-75.22	**2.1**	ND	ND
MW-369M1	4/17/2007	-75.22	**2**	0.58J	ND
MW-369M1	10/2/2007	-75.22	**2.2**	0.76J	ND
MW-369M2	7/12/2005	-37.15	0.66	ND	ND
MW-369M2	11/8/2005	-37.15	0.67	ND	ND
MW-369M2	3/8/2006	-37.15	0.4	ND	ND
MW-369M2	3/28/2006	-37.15	0.35	ND	ND
MW-369M2	11/7/2006	-37.15	ND	ND	ND
MW-369M2	4/17/2007	-37.15	ND	ND	ND
MW-369M2	10/2/2007	-37.15	ND	ND	ND
MW-369M3	7/12/2005	3.53	ND	ND	ND
MW-369M3	11/8/2005	3.53	ND	ND	ND
MW-369M3	3/8/2006	3.53	ND	ND	ND
MW-370M1	7/11/2005	-61.32	ND	ND	ND
MW-370M1	11/7/2005	-61.32	ND	ND	ND
MW-370M1	3/7/2006	-61.32	ND	ND	ND
MW-370M2	7/11/2005	-31.24	0.71	**7.9**	ND
MW-370M2	11/7/2005	-31.24	0.83	**10**	ND

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-370M2	3/7/2006	-31.24	0.95	**11.3**	ND
MW-370M2	3/20/2006	-31.24	0.95	**11.8J**	ND
MW-370M2	11/1/2006	-31.24	**1.1**	**16.3**	ND
MW-370M2	4/13/2007	-31.24	**1.5**	**19.6**	ND
MW-370M2	10/1/2007	-31.24	**1.9**	**38**	ND
MW-370M2	5/12/2008	-31.24	**2.1**	**47.1**	0.31
MW-370M3	7/11/2005	9.34	ND	ND	ND
MW-370M3	11/7/2005	9.34	ND	ND	ND
MW-370M3	3/7/2006	9.34	ND	ND	ND
MW-370M3	3/21/2006	9.34	ND	ND	ND
MW-370M3	4/13/2007	9.34	ND	ND	ND
MW-370M3	5/12/2008	9.34	ND	ND	ND
MW-401M1	11/21/2005	-63.95	ND	ND	ND
MW-401M1	3/16/2006	-63.95	ND	ND	ND
MW-401M1	3/22/2006	-63.95	ND	ND	ND
MW-401M1	7/25/2006	-63.95	ND	ND	ND
MW-401M1	10/31/2006	-63.95	ND	ND	ND
MW-401M1	4/13/2007	-63.95	ND	ND	ND
MW-401M1	10/3/2007	-63.95	ND	ND	ND
MW-401M2	11/21/2005	51.09	ND	ND	ND
MW-401M2	3/16/2006	51.09	ND	ND	ND
MW-401M2	3/22/2006	51.09	ND	ND	ND
MW-401M2	7/25/2006	51.09	ND	ND	ND
MW-401M2	10/31/2006	51.09	ND	ND	ND
MW-401M2	4/13/2007	51.09	ND	ND	ND
MW-401M2	10/3/2007	51.09	ND	ND	ND
MW-430M1	1/23/2006	-78.23	ND	ND	ND
MW-430M1	3/16/2006	-78.23	ND	ND	ND
MW-430M1	5/23/2006	-76.18	ND	ND	ND
MW-430M1	9/18/2006	-76.18	ND	ND	ND
MW-430M1	10/31/2006	-76.18	ND	ND	ND
MW-430M1	4/13/2007	-76.18	ND	ND	ND
MW-430M1	10/3/2007	-76.18	ND	ND	ND
MW-430M2	1/23/2006	-21.41	ND	ND	ND
MW-430M2	3/16/2006	-21.41	ND	ND	ND
MW-430M2	5/23/2006	-19.36	ND	ND	ND
MW-430M2	9/18/2006	-19.36	ND	ND	ND
MW-430M2	10/31/2006	-19.36	ND	ND	ND
MW-430M2	4/13/2007	-19.36	ND	ND	ND
MW-430M2	10/3/2007	-19.36	ND	ND	ND
MW-477M1	1/8/2007	-0.24	ND	ND	ND
MW-477M1	5/10/2007	-0.24	ND	ND	ND
MW-477M1	9/10/2007	-0.24	ND	0.82J	ND
MW-477M2	1/8/2007	41.56	**7.3**	ND	1.2
MW-477M2	5/10/2007	41.56	**3.8**	ND	0.66
MW-477M2	9/10/2007	41.56	**3.2**	ND	0.46

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-3
J-1 North Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)	HMX (µg/L) (HA = 400 µg/L)
MW-479M1	5/4/2007	-59.59	ND	ND	ND
MW-479M1	9/4/2007	-59.59	ND	ND	ND
MW-479M1	1/10/2008	-59.59	ND	ND	ND
MW-484M1	4/18/2007	38.75	ND	ND	ND
MW-484M1	8/10/2007	38.75	ND	ND	ND
MW-484M1	12/13/2007	38.75	ND	ND	ND
MW-485M1	4/18/2007	60.71	**7**	ND	0.71
MW-485M1	8/13/2007	60.71	**5.8**	ND	0.69
MW-485M1	12/11/2007	60.71	**5**	ND	0.72
MW-486M1	4/18/2007	-5.25	**8.4**	ND	ND
MW-486M1	8/14/2007	-5.25	**6**	ND	ND
MW-486M1	12/11/2007	-5.25	**5.6**	ND	ND
MW-487M1	4/18/2007	-53.29	ND	ND	ND
MW-487M1	8/15/2007	-53.29	ND	ND	ND
MW-487M1	12/13/2007	-53.29	ND	ND	ND
MW-487M2	4/18/2007	-8.84	**8.2**	0.35J	0.95
MW-487M2	8/15/2007	-8.84	**8.3**	0.53J	0.9
MW-487M2	12/13/2007	-8.84	**7.6**	0.92J	0.97
MW-58S	11/23/1999	68.64	**3.7J**	NA	0.44
MW-58S	2/15/2000	68.64	**6**	NA	0.74
MW-58S	5/11/2000	68.64	**7.4J**	NA	1J
MW-58S	9/5/2000	68.64	**6.1**	NA	1.2
MW-58S	12/20/2000	68.64	**5.1**	ND	1
MW-58S	6/14/2001	68.64	**5.3**	NA	1.4
MW-58S	8/22/2001	68.64	**5.4**	0.726J	1.4
MW-58S	12/12/2001	68.64	**5.8**	NA	1.6
MW-58S	11/13/2003	68.64	**1.7**	ND	1.4
MW-58S	2/4/2004	68.64	0.91	ND	0.63J
MW-58S	5/20/2004	68.64	**1.4**	ND	0.63J
MW-58S	9/2/2004	68.64	**1.5J**	ND	0.81J
MW-58S	3/10/2005	68.64	0.57J	ND	0.57
MW-58S	6/7/2005	68.64	**1.5**	ND	0.88
MW-58S	9/22/2005	68.64	**1.6J**	ND	0.78
MW-58S	12/21/2005	68.64	**1.1J**	ND	0.54

Data Source: ECC/Jacobs, 12 June 2008, Site Environmental Evaluation (TERC-SEE)

Notes:
Bold values indicate exceedances.
ft msl = feet mean sea level
GW-1 = Massachusetts GW-1 standard
HA = health advisory
HMX = octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
MMCL = Massachusetts maximum contaminant level
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

ug/L = microgram/Liter

ND = Non Detect
J = Estimated
NA = Not Analyzed

TABLE 3-4
J-1 South Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	HMX (µg/L) (HA = 400 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)
90MW0052	7/22/2005	32.44	ND	ND	ND
DP-379	8/4/2008	-22.42	ND	ND	NA
DP-379	10/23/2008	-22.42	ND	ND	NA
DP-379	11/3/2009	-22.42	ND	ND	NA
DP-389	8/5/2008	-8.07	ND	ND	NA
DP-389	10/23/2008	-8.07	ND	ND	NA
DP-389	11/4/2009	-8.07	0.635	ND	NA
MW-131M1	11/6/2000	-137.7	ND	ND	ND
MW-131M1	2/16/2001	-137.7	ND	ND	ND
MW-131M1	6/7/2001	-137.7	ND	ND	ND
MW-131M1	12/13/2001	-137.7	ND	ND	NA
MW-131M1	6/20/2002	-137.7	ND	ND	NA
MW-131M1	8/23/2002	-137.7	ND	ND	NA
MW-131M1	12/5/2002	-137.7	ND	ND	NA
MW-131M1	11/5/2003	-137.7	ND	ND	NA
MW-131M1	12/19/2003	-137.7	ND	ND	NA
MW-131M1	8/26/2004	-137.7	ND	ND	ND
MW-131M1	9/16/2005	-137.7	ND	ND	ND
MW-131M2	11/8/2000	-32.7	ND	ND	ND
MW-131M2	2/20/2001	-32.7	ND	ND	ND
MW-131M2	6/11/2001	-32.7	ND	ND	ND
MW-131M2	12/14/2001	-32.7	ND	ND	NA
MW-131M2	6/20/2002	-32.7	ND	ND	NA
MW-131M2	8/23/2002	-32.7	ND	ND	NA
MW-131M2	12/5/2002	-32.7	ND	ND	NA
MW-131M2	11/5/2003	-32.7	ND	ND	NA
MW-131M2	12/19/2003	-32.7	ND	ND	NA
MW-131M2	8/26/2004	-32.7	ND	ND	ND
MW-131M2	9/10/2005	-32.7	ND	ND	ND
MW-131S	11/6/2000	66.3	ND	ND	ND
MW-131S	2/20/2001	66.3	ND	ND	ND
MW-131S	6/11/2001	66.3	ND	ND	ND
MW-131S	12/13/2001	66.3	ND	ND	NA
MW-131S	8/26/2002	66.3	ND	ND	ND
MW-131S	12/6/2002	66.3	ND	ND	ND
MW-131S	9/11/2003	66.3	ND	ND	ND
MW-131S	12/19/2003	66.3	ND	ND	ND
MW-131S	8/30/2004	66.3	ND	ND	ND
MW-131S	9/10/2005	66.3	ND	ND	ND
MW-131S	8/1/2008	66.3	ND	ND	NA
MW-131S	10/21/2008	66.3	ND	ND	NA
MW-131S	10/30/2009	66.3	ND	ND	NA
MW-360M1	3/17/2005	-86.89	ND	ND	ND

ND = Non Detect
J = Estimated
NA - Not Analyzed

µg/L = micrograms per liter

TABLE 3-4
J-1 South Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	HMX (µg/L) (HA = 400 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)
MW-360M1	7/25/2005	-86.89	ND	ND	ND
MW-360M1	11/29/2005	-86.89	ND	ND	ND
MW-360M2	3/17/2005	58.11	ND	ND	ND
MW-360M2	7/25/2005	58.11	**3.4**	0.92	ND
MW-360M2	11/29/2005	58.11	**1.6**	0.44	ND
MW-360M2	4/7/2008	58.11	ND	ND	NA
MW-360M2	8/1/2008	58.11	0.66	ND	NA
MW-360M2	10/21/2008	58.11	ND	ND	NA
MW-360M2	5/11/2009	58.11	0.701	ND	NA
MW-360M2	10/30/2009	58.11	0.335J	ND	NA
MW-398M1	10/19/2005	-15.72	ND	ND	ND
MW-398M1	2/16/2006	-15.72	ND	ND	ND
MW-398M1	6/16/2006	-15.72	ND	ND	ND
MW-398M1	2/1/2007	-15.72	ND	ND	NA
MW-398M1	8/9/2007	-15.72	ND	ND	NA
MW-398M1	8/1/2008	-15.72	ND	ND	NA
MW-398M1	10/21/2008	-15.72	ND	ND	NA
MW-398M1	10/29/2009	-15.72	ND	ND	NA
MW-398M2	10/19/2005	24.9	**120**	15	ND
MW-398M2	2/16/2006	24.9	**130**	17	ND
MW-398M2	6/16/2006	24.9	**100**	18	ND
MW-398M2	2/1/2007	24.9	**34**	13	NA
MW-398M2	8/9/2007	24.9	**26**	9.9	NA
MW-398M2	8/1/2008	24.9	ND	ND	NA
MW-398M2	10/21/2008	24.9	ND	ND	NA
MW-398M2	10/29/2009	24.9	ND	ND	NA
MW-400M1	10/31/2005	-60.78	ND	ND	ND
MW-400M1	2/27/2006	-60.78	ND	ND	ND
MW-400M1	6/28/2006	-60.78	ND	ND	ND
MW-400M1	1/29/2007	-60.78	ND	ND	NA
MW-400M1	8/7/2007	-60.78	ND	ND	NA
MW-400M1	7/30/2008	-60.78	ND	ND	NA
MW-400M1	10/20/2008	-60.78	ND	ND	NA
MW-400M1	11/2/2009	-60.78	ND	ND	NA
MW-400M2	10/31/2005	-6.92	ND	ND	ND
MW-400M2	2/27/2006	-6.92	ND	ND	ND
MW-400M2	6/28/2006	-6.92	ND	ND	ND
MW-400M2	1/29/2007	-6.92	ND	ND	NA
MW-400M2	8/7/2007	-6.92	ND	ND	NA
MW-400M2	4/7/2008	-6.92	ND	ND	NA
MW-400M2	7/30/2008	-6.92	ND	ND	NA
MW-400M2	10/20/2008	-6.92	ND	ND	NA
MW-400M2	5/12/2009	-6.92	ND	ND	NA

ND = Non Detect
J = Estimated
NA - Not Analyzed

µg/L = micrograms per liter

TABLE 3-4
J-1 South Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	HMX (µg/L) (HA = 400 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)
MW-400M2	11/3/2009	-6.92	ND	ND	NA
MW-402M1	1/27/2006	-54.25	ND	ND	ND
MW-402M1	5/25/2006	-54.25	ND	ND	ND
MW-402M1	9/22/2006	-54.25	ND	ND	ND
MW-402M1	1/29/2007	-54.25	ND	ND	NA
MW-402M1	8/7/2007	-54.25	ND	ND	NA
MW-402M1	7/30/2008	-54.25	ND	ND	NA
MW-402M1	10/20/2008	-54.25	ND	ND	NA
MW-402M1	11/2/2009	-54.25	ND	ND	NA
MW-402M2	1/27/2006	-19.37	ND	ND	ND
MW-402M2	5/25/2006	-19.37	ND	ND	ND
MW-402M2	9/22/2006	-19.37	ND	ND	ND
MW-402M2	1/29/2007	-19.37	ND	ND	NA
MW-402M2	8/7/2007	-19.37	ND	ND	NA
MW-402M2	4/7/2008	-19.37	0.341	ND	NA
MW-402M2	7/30/2008	-19.37	**1**	ND	NA
MW-402M2	10/20/2008	-19.37	**1.14**	ND	NA
MW-402M2	5/12/2009	-19.37	0.928	ND	NA
MW-402M2	11/2/2009	-19.37	0.517	ND	NA
MW-403M1	11/21/2005	-17.18	ND	ND	ND
MW-403M1	3/21/2006	-17.18	ND	ND	ND
MW-403M1	7/21/2006	-17.18	ND	ND	ND
MW-403M1	1/31/2007	-17.18	ND	ND	NA
MW-403M1	8/9/2007	-17.18	ND	ND	NA
MW-403M1	4/7/2008	-17.18	ND	ND	NA
MW-403M1	7/31/2008	-17.18	ND	ND	NA
MW-403M1	10/17/2008	-17.18	ND	ND	NA
MW-403M1	5/12/2009	-17.18	ND	ND	NA
MW-403M1	10/30/2009	-17.18	ND	ND	NA
MW-403M2	11/21/2005	15.41	ND	ND	ND
MW-403M2	3/21/2006	15.41	ND	ND	ND
MW-403M2	7/21/2006	15.41	ND	ND	ND
MW-403M2	1/31/2007	15.41	ND	ND	NA
MW-403M2	8/9/2007	15.41	ND	ND	NA
MW-403M2	7/31/2008	15.41	ND	ND	NA
MW-403M2	10/17/2008	15.41	ND	ND	NA
MW-403M2	10/30/2009	15.41	ND	ND	NA
MW-480M1	3/7/2007	-43	ND	ND	ND
MW-480M1	7/2/2007	-43	ND	ND	ND
MW-480M1	10/26/2007	-43	ND	ND	ND
MW-480M2	3/7/2007	3	0.81	ND	ND
MW-480M2	7/2/2007	3	0.87	ND	ND
MW-480M2	10/26/2007	3	0.88	ND	ND

ND = Non Detect
J = Estimated
NA - Not Analyzed

µg/L = micrograms per liter

TABLE 3-4
J-1 South Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	HMX (µg/L) (HA = 400 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)
MW-480M2	4/7/2008	3	0.418	ND	NA
MW-480M2	7/30/2008	3	0.37	ND	NA
MW-480M2	10/20/2008	3	ND	ND	NA
MW-480M2	5/12/2009	3	ND	ND	NA
MW-480M2	10/30/2009	3	ND	ND	NA
MW-481M1	2/27/2007	-38.58	ND	ND	ND
MW-481M1	6/28/2007	-38.58	ND	ND	ND
MW-481M1	10/26/2007	-38.58	ND	ND	ND
MW-481M1	4/4/2008	-38.58	ND	ND	NA
MW-481M1	7/31/2008	-38.58	ND	ND	NA
MW-481M1	10/17/2008	-38.58	ND	ND	NA
MW-481M1	5/13/2009	-38.58	ND	ND	NA
MW-481M1	10/29/2009	-38.58	ND	ND	NA
MW-481M2	2/27/2007	4.88	**12**	0.9	ND
MW-481M2	6/28/2007	4.88	**22**	1.3	ND
MW-481M2	10/26/2007	4.88	**12**	0.76	ND
MW-481M2	4/4/2008	4.88	**7.85**	0.248	NA
MW-481M2	7/31/2008	4.88	**4.2**	ND	NA
MW-481M2	10/17/2008	4.88	**14.9J**	ND	NA
MW-481M2	5/13/2009	4.88	**20**	1.79	NA
MW-481M2	10/27/2009	4.88	**4.75**	0.594	NA
MW-482M1	3/19/2007	-67	ND	ND	ND
MW-482M1	7/9/2007	-67	ND	ND	ND
MW-482M1	11/6/2007	-67	ND	ND	ND
MW-482M2	3/19/2007	-25	0.28	ND	ND
MW-482M2	7/9/2007	-25	0.39	ND	ND
MW-482M2	11/6/2007	-25	0.48	ND	ND
MW-482M2	4/4/2008	-25	ND	ND	NA
MW-482M2	8/4/2008	-25	0.81	ND	NA
MW-482M2	10/17/2008	-25	**1.02**	ND	NA
MW-482M2	5/13/2009	-25	0.74	ND	NA
MW-482M2	10/29/2009	-25	0.442	ND	NA
MW-482M3	3/16/2007	50	ND	ND	0.42J
MW-482M3	7/9/2007	50	ND	ND	ND
MW-482M3	11/6/2007	50	ND	ND	ND
MW-482M3	8/4/2008	50	ND	ND	NA
MW-482M3	10/17/2008	50	ND	ND	NA
MW-482M3	10/30/2009	50	ND	0.251J	NA
MW-483M1	3/8/2007	19	ND	ND	ND
MW-483M1	7/3/2007	19	0.71	ND	ND
MW-483M1	11/15/2007	19	ND	ND	ND
MW-483M1	4/8/2008	19	ND	ND	NA
MW-483M1	7/31/2008	19	ND	ND	NA

ND = Non Detect
J = Estimated
NA - Not Analyzed

µg/L = micrograms per liter

TABLE 3-4
J-1 South Select Explosives and Perchlorate Results from Groundwater Monitoring Well Samples

Location	Date	Mid-Screen Elevation (ft msl)	RDX (µg/L) (GW-1 = 1 µg/L)	HMX (µg/L) (HA = 400 µg/L)	Perchlorate (µg/L) (MMCL = 2 µg/L)
MW-483M1	10/22/2008	19	ND	ND	NA
MW-483M1	5/12/2009	19	ND	ND	NA
MW-483M1	11/2/2009	19	ND	ND	NA
MW-488M1	5/7/2007	6	ND	ND	ND
MW-488M1	9/7/2007	6	0.25	ND	ND
MW-488M1	1/10/2008	6	ND	ND	ND
MW-488M1	4/8/2008	6	ND	ND	NA
MW-488M1	8/5/2008	6	ND	ND	NA
MW-488M1	10/22/2008	6	ND	ND	NA
MW-488M1	5/13/2009	6	ND	ND	NA
MW-488M1	11/2/2009	6	ND	ND	NA
MW-488PZ	4/8/2008	35.72	ND	ND	NA
MW-488PZ	8/5/2008	35.72	ND	ND	NA
MW-488PZ	10/22/2008	35.72	ND	ND	NA
MW-488PZ	5/13/2009	35.72	ND	ND	NA
MW-488PZ	11/3/2009	35.72	ND	ND	NA

Data Source: ECC/Jacobs, 10 February 2010, Site Environmental Evaluation (TERC-SEE)

Notes:
Bold values indicate exceedances.
ft msl = feet mean sea level
GW-1 = Massachusetts GW-1 standard
HA = health advisory
HMX = octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
MMCL = Massachusetts maximum contaminant level
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

ND = Non Detect
J = Estimated
NA - Not Analyzed

µg/L = micrograms per liter

TABLE 3-5

J-1 North Summary of Detects for Samples Collected at Monitoring Wells

Compound	Number of Samples	Number of Detects	Minimum Detection	Maximum Detection	Units	Location of Maximum Detection	Regulatory Level	Exceedances[h] (Number)	Notes
Perchlorate									
Perchlorate	602	119	0.35J	47.1	ug/L	MW-370M2	2[b]	62	
Explosives									
4-Amino-2,6-Dinitrotoluene	761	6	0.49	1.1	ug/L	MW-191M2			
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	762	254	0.25	32	ug/L	MW-303M2	1[g]	145	
Nitrobenzene	760	1	0.34J	0.34J	µg/L	MW-06			
Picric acid	759	1	3.5J	3.5J	ug/L	MW-06			
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	762	162	0.26J	110	ug/L	MW-191M2	400[d]	0	
Tetryl	762	1	0.71	0.71	ug/L	MW-164M2			
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	301	1	0.32	0.32	ug/L	MW-430M2	70[a]	0	
1,2,4-Trimethylbenzene	1	1	5.2NJ	5.2NJ	µg/L	MW-187D			
1-Methylnapthalene	1	1	2.2NJ	2.2NJ	µg/L	MW-187D			
2-Methylnaphthalene	309	16	0.26	20	ug/L	MW-187D			
2-Methylphenol (O-cresol)	309	3	1.5	21	ug/L	MW-477M1			
4-Methylphenol (P-cresol)	309	4	0.39J	28	ug/L	MW-477M1			
Acenaphthene	309	14	0.34J	1.8J	ug/L	MW-187D	2000[d]	0	
Anthracene	309	8	0.23J	0.4J	µg/L	MW-187D			
Benzo (A) anthracene	309	1	0.34J	0.34J	µg/L	MW-188M1			
Benzoic Acid	260	1	0.31J	0.31J	µg/L	MW-188S			
Benzyl Alcohol	307	1	7.3	7.3	ug/L	MW-477M1			
Bis(2-ethylhexyl) Phthalate (BEHP)	309	57	0.24J	14	ug/L	MW-477M2	6[a,b]	1	
Chrysene	309	1	0.42J	0.42J	µg/L	MW-188M1			
Di-n-butyl Phthalate	309	16	0.23J	1.7J	ug/L	MW-187D	365[d]	0	
Di-n-octyl Phthalate	309	2	0.41J	0.8J	µg/L	MW-253M1	146[d]	0	
Dibenzofuran	309	4	0.29J	0.51J	µg/L	MW-166M1			
Diethyl phthalate	309	5	0.3J	2.4	µg/L	MW-244M1	5000[d]	0	
Fluorauthene	309	1	0.28J	0.28J	µg/L	MW-188M1			
Fluorene	309	15	0.62J	5.4	ug/L	MW-187D			
N-nitrosodiplenylamine	309	2	0.41J	0.76J	µg/L	MW-187D	0.01[c]	2	
Naphthalene	309	22	0.27J	86	ug/L	MW-187D	140[c]	0	
Phenanthrene	309	15	1.1	3.7	ug/L	MW-187D			
Phenol	309	14	0.26	5.3	ug/L	MW-187D	2,000[d]	0	
Pyrene	309	1	0.42J	0.42J	µg/L	MW-188M1			

J = Estimated
NJ = Estimated Tentatively

µg/L = micrograms per liter

TABLE 3-5

J-1 North Summary of Detects for Samples Collected at Monitoring Wells

Compound	Number of Samples	Number of Detects	Minimum Detection	Maximum Detection	Units	Location of Maximum Detection	Regulatory Level	Exceedances[h] (Number)	Notes
Volatile Organic Compounds									
1,1-Dichloroethane	292	1	0.2J	0.2J	µg/L	MW-187D			
1,4-Dichlorobenzene	292	3	0.2J	0.2J	µg/L	MW-253M1, D			
Acetone	232	17	1J	24J	ug/L	MW-346M4	6,300[c]	0	
Benzene	292	19	0.2J	1300	ug/L	MW-187D	5[a]	17	All concentrations >1 µg/L were detected at MW-187D
Bromomethane	292	3	0.52J	4J	ug/L	MW-187D	10[d]	0	
Carbon Disulfide	292	6	0.24J	1	ug/L	MW-477M1			
Chlorobenzene	292	10	0.3J	4	µg/L	MW-187D	100[a]	0	
Chloroethane	292	14	0.57J	47	ug/L	MW-187D			
Chloroform	292	144	0.2J	4	ug/L	MW-118M1	80[a] - 70[c]	0	
Chloromethane	292	18	0.2J	75J	ug/L	MW-187D	30[d]	0	
Ethylbenzene	292	16	0.3J	76	ug/L	MW-187D	700[a]	0	
m,p-Xylene (Sum of Isomers)	96	2	0.68J	1.7	ug/L	MW-187D			
Methylene Chlorode	292	1	0.4J	0.4J	µg/L	MW-187D			
Methyl Ethyl Ketone (2-Butanone)	197	5	4J	6J	µg/L	MW-06	4,000[c]	0	
Methyl tert-butyl ether (MTBE)	246	15	0.23J	2.7	µg/L	MW-370M1	70[c]	0	
N-propylbenzene	2	2	1NJ	2NJ	µg/L	MW-187D			
Napthalene	1	1	3.1NJ	3.1NJ	µg/L	MW-187D			
o-xylene (1,2-Dimethylbenzene)	96	1	2.1	2.1	ug/L	MW-187D			
Trichloroethene (TCE)	292	7	0.2J	0.5J	µg/L	MW-168M1	5[a]	0	
Tetrachloroethene (PCE)	292	1	0.36J	0.36J	ug/L	MW-477M1	5[a]	0	
Toluene	292	31	0.2J	320	ug/L	MW-187D	1,000[a]	0	
Vinyl chloride	292	2	0.4J	0.6J	µg/L	MW-187D	2[a]	0	
Xylenes, Total	292	17	0.2J	150J	ug/L	MW-187D	10,000[a]	0	
Pesticides									
Aldrin	114	1	0.044	0.044	µg/L	MW-168M1	0.5[g]	0	
Beta hexachlorocyclohexane	114	1	0.0058J	0.0058J	µg/L	MW-168M1	0.2*[g]	0	
Dieldrin	114	3	0.011J	0.032	µg/L	MW-244S	0.1[g]	0	
Gamma-chlordane	114	1	0.029J	0.029J	µg/L	MW-166M3	2*[g]	0	
Herbicides									
Chloramben	95	1	0.31J	0.31J	µg/L	MW-166M3	100[d]	0	
Pentachlorophenol	109	1	0.2J	0.2J	µg/L	MW-188S	1[g]	0	

J = Estimated
NJ = Estimated Tentatively

µg/L = micrograms per liter

TABLE 3-5

J-1 North Summary of Detects for Samples Collected at Monitoring Wells

Compound	Number of Samples	Number of Detects	Minimum Detection	Maximum Detection	Units	Location of Maximum Detection	Regulatory Level	Exceedances[h] (Number)	Notes
Total Metals									
Tungsten	4	4	2.7	4	ug/L	MW-136S			
Aluminum	126	31	16.8J	5750	ug/L	MW-168M1	50 to 200[e]		21 detections greater than 50 µg/L, 15 detections greater than 200 µg/L
Antimony	131	2	5.3	6.6	ug/L	MW-253M1	6[a]	1	
Arsenic	126	4	1.9J	5.3J	ug/L	MW-187D	10[a]	0	
Barium	126	60	3.8J	52	ug/L	MW-189S	2000[a]	0	
Beryllium	126	5	0.1J	0.26	ug/L	MW-168M1	4[a]	0	
Boron	124	74	4J	121	ug/L	MW-166M2			
Cadmium	126	1	0.31J	0.31J	ug/L	MW-191S	5[a]	0	
Calcium	126	126	824	10,000	ug/L	MW-58S			
Chromium	126	6	1.3J	3.3J	ug/L	MW-168M1	100[a]	0	
Cobalt	126	13	1	3.8	ug/L	MW-168M3			
Copper	126	13	1.6J	41.6	ug/L	MW-168M2	1300[f]	0	
Iron	126	43	22.2	8080	ug/L	MW-187D	300[e]	19	
Lead	126	6	1.1	3	ug/L	MW-168M1	15[f]	0	
Magnesium	126	126	239	5070	ug/L	MW-187D			
Manganese	126	115	0.91J	344	ug/L	MW-126M1	50[e]	34	
Molybdenum	124	18	1.3	4.6	ug/L	MW-187D			
Nickel	126	38	0.88J	7.8	ug/L	MW-168M3	100[c]	0	
Potassium	126	102	245J	8660	ug/L	MW-188S			
Selenium	126	3	2.2J	5.1J	ug/L	MW-126S	50[a]	0	
Silver	126	3	1.7J	2J	ug/L	MW-187D	100[e]		
Sodium	126	124	1800	27,100	ug/L	MW-187D	20,000[c]	6	
Thallium	133	4	2J	7.3J	ug/L	MW-58S	2[b]	2	
Vanadium	126	6	2J	8.2J	ug/L	MW-168M1			
Zinc	126	53	1.2	237	ug/L	MW-188S	5000[e]	0	
Dissolved Metals									
Antimony	2	1	3.6J	3.6J	ug/L	MW-06	6[a]	0	
Barium	2	2	8.1J	15.3	ug/L	MW-06	2000[a]	0	
Calcium	2	2	2,590	2,900	ug/L	MW-06			
Magnesium	2	2	1,260	1,320	ug/L	MW-27			
Manganese	2	2	13	16	ug/L	MW-27	50[e]	0	

J = Estimated
NJ = Estimated Tentatively

µg/L = micrograms per liter

TABLE 3-5

J-1 North Summary of Detects for Samples Collected at Monitoring Wells

Compound	Number of Samples	Number of Detects	Minimum Detection	Maximum Detection	Units	Location of Maximum Detection	Regulatory Level	Exceedances[h] (Number)	Notes
Potassium	2	2	584	643	ug/L	MW-27			
Sodium	2	2	2,010	7,480	ug/L	MW-06	20,000[c]	0	
Zinc	2	1	10.3	10.3J	ug/L	MW-27	5,000[e]	0	

Notes:

[a] = EPA drinking water maximum contaminant level (MCL)

[b] = Massachusetts drinking water maximum contaminant level (MMCL)

[c] = Massachusetts drinking water guideline

[d] = USEPA drinking water health advisory

[e] = Massachsetts secondary maximum contaminant level

[f] = action level

[g]= Massachusetts Groundwater-1 Cleanup Standard

[*g]= used hexachlorocylohexane Massachusetts Groundwater-1 Standard as a proxy for beta hyxachlorocyclohexane and used chlordane as a proxy for gamma-chlordane

h = All Detected compounds are evaluated in the Risk Screening in Section 7.0

TABLE 3-6

J-1 North Summary of Detects from the Groundwater Profile Samples Collected from Borings

Compound	Number of Samples	Number of Detects	Minimum Detection	Maximum Detection	Units	Location of Maximum Detection	Regulatory Level	Exceedances (Number)	Notes
Perchlorate									
Perchlorate	363	51	0.35J	66	µg/L	MW-346	2[c]	22	
Explosives									
1,3,5 Trinitrobenzene	690	3	0.31J	0.66J	µg/L	MW-245			
2,4-Diamino-6-Nitrotoluene	690	8	0.27J	1.9	µg/L	MW-168			
2,4,6-Trinitrotoluene	690	1	4J	4J	µg/L	MW-118	2[d]	1	
2,6-Dinitrotoluene	690	21	0.25	2.4J	µg/L	MW-326			
2-Aminio-4,6-Dinitrotoluene	690	1	0.8J	0.8J	µg/L	MW-303			
2-Nitrotoluene	690	3	0.79J	1.5J	µg/L	MW-401			
3-Nitrotoluene	690	3	0.38J	1.3J	µg/L	MW-349			
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	689	89	0.26	58	µg/L	MW-164	1[e]	55	
Nitrobenzene	690	1	0.32J	0.32J	µg/L	MW-303			
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	690	34	0.24J	6.9J	µg/L	MW-191	400[d]	0	
Volatile Organic Compounds									
1,2,4-Trichlorobenzene	545	4	0.3J	0.4J	µg/L	MW-126	70[a]	0	
2-Hexanone	545	50	1J	8	µg/L	MW-245			
Acetone	509	264	1J	49	µg/L	MW-166	6,300[c]	0	common laboratory contaminant
Benzene	545	8	0.25J	0.53J	µg/L	MW-136	5[a]	0	
Bromodichloromethane	545	1	0.56J	0.56J	µg/L	MW-430			
Bromoform	545	1	0.59J	0.59J	µg/L	MW-430			
Carbon disulfide	545	10	0.2J	0.62J	µg/L	MW-346			
Chloroethane	545	39	0.2J	2J	µg/L	MW-192			
Chloroform	548	53	0.2J	4	µg/L	MW-286	80[a] - 70[c]	0	commonly found in groundwater on Cape Cod
Chloromethane	545	33	0.2J	3.8	µg/L	MW-349	30[d]	0	
Dibromochloromethane	545	7	0.22J	1.1	µg/L	MW-430			
Ethylbenzene	545	1	0.28J	0.28J	µg/L	MW-479	700[e]	0	
Methyl Ethyl Ketone (2-Butanone)	412	48	1J	25	µg/L	MW-192	4,000[c]	0	common laboratory contaminant
Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	545	21	1J	3J	µg/L	MW-245	350[c]	0	common laboratory contaminant
Methyl tert-butyl ether (MTBE)	221	16	0.21J	1.2	µg/L	MW-306			
Tetrachloroethene (PCE)	545	2	0.2J	0.6J	µg/L	MW-126	5[a]	0	
Toluene	545	20	0.2J	16	µg/L	MW-479	1,000[a,b]	0	
Vinyl Chloride	545	3	0.3J	0.9J	µg/L	MW-192	2[a]	0	
Xylenes (total)	545	1	0.2J	0.2J	µg/L	MW-253	10,000[a]	0	

Notes:

[a] = U.S. Environmental Protection Agency (EPA) maximum contaminant level (MCL)

[b] = Massachusetts maximum contaminant level

[c] = Massachusetts drinking water guideline

[d] = health advisory

[e] = Massachusetts Groundwater-1 Standard

J = Estimated

µg/L = micrograms per liter

TABLE 3-7

J-1 South Summary of Select Detects from Samples Collected at Monitoring Wells

Compound	Number of Samples	Number of Detects	Minimum Detection	Maximum Detection	Units	Location of Maximum Detection	Regulatory Level	Exceedances (Number)	Notes
Explosives									
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	168	35	0.25	130	ug/L	MW-398M2	1[b]	15	
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	170	14	0.251J	18	ug/L	MW-398M2	400[d]	0	
Perchlorate									
Perchlorate	78	1	0.42	0.42	ug/L	MW-482M3	2[b]	0	
Semivolatile Organic Compounds									
Bis(2-Ethylhexyl) phthalate	21	2	0.27J	0.36J	ug/L	MW-131M1	6[a]	0	common laboratory contaminant
Volatile Organic Compounds									
Acetone	16	7	1	3.8	ug/L	MW-360M1	6300[c]	0	common laboratory contaminant
Carbon Disulfide	21	3	0.2J	0.24J	ug/L	MW-398M1			
Chlorobenzene	21	2	0.3J	0.34J	ug/L	MW-360M2	100[a]	0	
Chloroform	21	7	0.57J	3	ug/L	MW-131S	70[c]	0	commonly found in groundwater on Cape Cod
Methyl tert-butyl ether (MTBE)	21	1	0.51J	0.51J	ug/L	MW-360M1	70[c]	0	
Toluene	21	1	0.24J	0.24J	ug/L	MW-360M1	1000[a]	0	
Pesticides and PCBs									
Heptachlor epoxide	9	1	0.0059	0.0059	ug/L	MW-131M2	0.2[b]	0	
p,p'-DDT	9	1	0.017	0.017	ug/L	MW-131S	0.3[g]	0	
Total Metals									
Aluminum	9	6	141	5120	ug/L	MW-131M1	50 to 200[e]	6	6 detections greater thn 50 µg/L, 5 detections greater than 200 µg/L
Arsenic	9	2	2.9	5	ug/L	MW-131M2	10[a]	0	
Barium	9	8	3.7	23.6	ug/L	MW-131M2	2000[a]	0	
Beryllium	9	1	0.12	0.12	ug/L	MW-131M1	4[a]	0	
Boron	9	3	9.6	20.1	ug/L	MW-131S			
Calcium	9	9	1860	9150	ug/L	MW-131M2			
Chromium	9	2	1.7	5.1	ug/L	MW-131M1	100[a]	0	
Cobalt	9	1	2.5	2.5	ug/L	MW-131S			
Copper	9	2	3.2	11.2	ug/L	MW-131M1	1000[e]	0	
Iron	9	7	202	5790	ug/L	MW-131M1	300[e]	5	
Lead	9	1	4.1	4.1	ug/L	MW-131M1	15[f]	0	
Magnesium	9	9	1090	3120	ug/L	MW-131M2			
Manganese	9	9	14.6	180	ug/L	MW-131M2	50[e]	6	
Nickel	9	5	1.7	7.4	ug/L	MW-131S	100[c]	0	
Potassium	9	9	478	2650	ug/L	MW-131M2			
Selenium	9	1	3.7	3.7	ug/L	MW-131M1	50[a]	0	

J = Estimated

µg/L = micrograms per liter

TABLE 3-7

J-1 South Summary of Select Detects from Samples Collected at Monitoring Wells

Compound	Number of Samples	Number of Detects	Minimum Detection	Maximum Detection	Units	Location of Maximum Detection	Regulatory Level	Exceedances (Number)	Notes
Sodium	9	9	4010	9,540	ug/L	MW-131M2	20,000[c]	0	
Vanadium	9	4	1.3	12.7	ug/L	MW-131M1	30[g]	0	
Zinc	9	8	1.7	25.6	ug/L	MW-131M1	5000[e]	0	
Dissolved Metals									
Aluminum	2	2	85.2	**212**	ug/L	MW-131M1	50 to 200[e]	0	
Barium	2	2	4.2	5	ug/L	MW-131M1	2000[a]	0	
Calcium	2	2	1770	1970	ug/L	MW-131M1			
Iron	2	2	85.4	230	ug/L	MW-131M1	300[e]	0	
Magnesium	2	2	601	663	ug/L	MW-131M1			
Manganese	2	2	9.5	25.3	ug/L	MW-131M1	50[e]	0	
Potassium	2	1	788	788	ug/L	MW-131M1			
Sodium	2	2	3770	4,070	ug/L	MW-131M1	20,000[c]	0	
Zinc	2	2	9	13.5	ug/L	MW-131M1	5,000[e]	0	

Notes:

[a] = EPA maximum contaminant level (MCL)

[b] = Massachusetts maximum contaminant level

[c] = Massachusetts drinking water guideline

[d] = health advisory

[e] = Massachsetts secondary maximum contaminant level

[f] = action level

[g] = Massachusetts GW-1 standard

PCB = polychlorinated biphenyl

TABLE 3-8

J-1 South Summary of Detects from the Groundwater Profile Samples Collected from Borings

Compound	Number of Samples	Number of Detects	Minimum Detection	Maximum Detection	Units	Location of Maximum Detection	Regulatory Level	Exceedances (Number)	Notes
Explosives									
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	408	52	0.16J	290	ug/L	DP-384	1[b]	26	
2,4,6-Trinitrotoluene	408	1	0.36J	0.36J	ug/L	MW-360	2[d]	0	
2,6-Dinitrotoluene	408	1	0.41J	0.41J	ug/L	DP-379			
4-Nitrotoluene	408	1	0.33J	0.33J	ug/L	MW-398			
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	408	21	0.3	29	ug/L	DP-384	400[d]	0	
Perchlorate									
Perchlorate	214	2	0.49	1.4	ug/L	MW-403	2[b]	0	
Volatile Organic Compounds									
Acetone	37	18	2	20	ug/L	MW-360	6300[c]	0	common laboratory contaminant
Chloroethane	40	5	0.45	2	ug/L	MW-131			
Chloroform	40	26	0.25	2	ug/L	MW-131	70[c]	0	commonly found in groundwater on Cape Cod
Ethylbenzene	40	2	0.4	0.6	ug/L	MW-131	700[a]	0	
Methyl Ethyl Ketone (2-Butanone)	29	10	2.9	24	ug/L	MW-131	4000[c]	0	common laboratory contaminant
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	40	3	3	18	ug/L	MW-131	350[c]	0	common laboratory contaminant
Xylenes, Total	40	3	0.8	2	ug/L	MW-131	10000[a]	0	

Notes:

[a] = EPA maximum contaminant level (MCL)

[b] = Massachusetts maximum contaminant level

[c] = Massachusetts drinking water guideline

[d] = health advisory

[e] = Massachusetts GW-1 standard

J = Estimated

µg/L = micrograms per liter

TABLE 4-1

Summary of Geophysical Investigations and Removal Actions

Grid/ Location	Figure	Study Area					MD	RRD	Munitions	Soil Quantity Off-Site (cy) [1]	Soil Samples Collected (Excl. BIPs)	Comments
		Rows 65 to 72	Rows 45 to 64	Rows 30 to 44	Rows 7 to 29	Rows 0 to 6						
Significant Pre-Investigation Findings												
Mortar Disposal Area - J24	4-8				X		X	X	X		yes	disposal pit containing predominantly inert rounds.
Popper Kettle	4-11			X				X		60	yes	Kettle used for buring of munitions
Steel Lined Pit	4-11			X				X		<1	yes	Pit contained burned debris and soil
Munitions Disposal Area -K-1	4-2					X	X	X			yes	Disposal pit (inert items) discovered during well pad clearance for MW-131.
Munition Survey Program Phase III Polygon Investigations												
J1P-6	4-6				X		X	X			No	
J1P-7	4-9			X				X			No	
J1P-8	4-9			X			X	X			No	
J1P-9	4-9			X			X	X	X	3	Yes	Munitions burn pit
J1P-10	4-9			X			X	X	X	3	Yes	Munitions burn pit
J1P-11, 12, 13	4-9			X			X	X			No	
J1P-14, 15	4-9			X			X	X	X		Yes	Three munitions burial pits
J1P-16	4-9			X			X	X		2	Yes	Munitions debris burn pit
J1P-17	4-13		X					X			No	

BIP = Blow-in-Place
MD = Munitiond Debris
RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-1

Summary of Geophysical Investigations and Removal Actions

Grid/ Location	Figure	Study Area					MD	RRD	Munitions	Soil Quantity Off-Site (cy) [1]	Soil Samples Collected (Excl. BIPs)	Comments
		Rows 65 to 72	Rows 45 to 64	Rows 30 to 44	Rows 7 to 29	Rows 0 to 6						
J1P-1	4-2					X	X	X	X	7	Yes	Two munitions burial pits, Two munitions burn pits
J1P-2	4-2					X		X			No	
J1P-3	4-2					X		X			No	
J1P-4	4-2					X		X			No	
J1P-5	4-2					X	X	X			No	
Supplemental Geophysical Anomaly Investigations												
Priority 1 Grids and Polygons												
K-34	4-9			X			X	X			Yes	Burial pit
J-36	4-9			X			X	X	X	29	Yes	Ordnance burn pit, target corresponding to additional Polygon J1-36.
K-36	4-9			X			X	X	X	J1-42 (2 cy) J1-43 (142 cy)	Yes	2 Munitions burial pits, targets corresponding with additional Polygons J1-41, J1-42 and J1-43.
I-37	4-9			X			X	X	X		No	
J-37	4-9			X			X	X			No	
K-37	4-9			X			X	X			No	
I-38	4-9			X			X	X			No	
K-38	4-9			X			X	X	X	16	Yes	Munitions burial pit, target corresponds to additional Polygons J1-48

BIP = Blow-in-Place
MD = Munitiond Debris
RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-1

Summary of Geophysical Investigations and Removal Actions

Grid/ Location	Figure	Study Area					MD	RRD	Munitions	Soil Quantity Off-Site (cy) [1]	Soil Samples Collected (Excl. BIPs)	Comments
		Rows 65 to 72	Rows 45 to 64	Rows 30 to 44	Rows 7 to 29	Rows 0 to 6						
K-40	4-9			X			X	X	X			Target corresponds with additional Polygons J1-44 and J1-45
L-40	4-9			X			X	X			No	Target corresponds to additional Polygons J1-46 and J1-47
K-41	4-9			X			X	X	X			Target corresponds with additional Polygon J1-48
K-42, 43	4-9			X				X			No	Four Trenches Investigated based on EM-31 survey
H-0	4-2					X		X			No	
I-0	4-2					X	X	X			No	
J-0	4-2					X		X			No	
J-12	4-6				X		X				No	MD burial pit, target corresponding to additional polygon J1-29
I-1	4-2					X	X	X			No	Target corresponds with additional Polygon J1-20
I-2	4-2					X	X		X	8	Yes	Munitions burial pit corresponding to additional Polygon J1-19; other target corresponding to additional Polygons J1-18
J-1	4-2					X		X		<1	Yes	Small amount of soil identified in a deteriorated 55- gallon drum in Polygon J1-21; other target corresponding to additional Polygon J1-22
J-2	4-2					X		X			No	Corresponds with additional Polygons J1-23 and J1-24

BIP = Blow-in-Place
MD = Munitiond Debris
RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-1

Summary of Geophysical Investigations and Removal Actions

Grid/ Location	Figure	Study Area					MD	RRD	Munitions	Soil Quantity Off-Site (cy) [1]	Soil Samples Collected (Excl. BIPs)	Comments
		Rows 65 to 72	Rows 45 to 64	Rows 30 to 44	Rows 7 to 29	Rows 0 to 6						
K-2	4-2					X		X			No	Target corresponds with additional Polygon J1-25
Disposal Pit Discimination Analysis Investigation												
Loc 1	4-16	X						X			No	
Loc 2	4-16	X					X	X	X		No	
Loc 3	4-9			X			X	X			No	
Loc 4	4-16	X					X	X	X		No	
Loc 5	4-9			X			X	X			No	
Loc 7	4-9			X			X	X			No	
Loc 8	4-16	X					X	X			No	
Loc 10	4-16	X					X	X			No	
Loc 11	4-16	X						X			No	
Loc 12	4-9			X			X	X			No	
Loc 14	4-9			X			X	X			No	
Loc 17	4-16	X					X				No	
Loc 18	4-16	X					X				No	
Loc 19	4-9			X			X	X	X		No	
Loc 20	4-9			X				X			No	
Loc 21	4-16	X					X				No	
Loc 22	4-16	X					X				No	
Loc 23	4-13		X								No	No items found- investigated during well pad construction
Loc 24	4-16	X					X				No	
Loc 25	4-9			X			X				No	
Loc 26	4-9			X			X	X			No	
Loc 28	4-9			X			X	X			No	

BIP = Blow-in-Place
MD = Munitiond Debris
RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-1

Summary of Geophysical Investigations and Removal Actions

Grid/ Location	Figure	Study Area					MD	RRD	Munitions	Soil Quantity Off-Site (cy) [1]	Soil Samples Collected (Excl. BIPs)	Comments
		Rows 65 to 72	Rows 45 to 64	Rows 30 to 44	Rows 7 to 29	Rows 0 to 6						
Loc 29	4-9			X				X			No	
Loc 30	4-9			X			X	X			No	
Loc 31	4-9			X			X	X			No	
Loc 32	4-16	X					X		X		No	
Loc 33	4-16	X					X	X			No	
Loc 34	4-9			X			X	X			No	
Loc 37	4-16	X					X				No	
Loc 38	4-9			X				X			No	
Loc 39	4-16	X					X				No	
Loc 41	4-13		X					X			No	
Loc 6	4-6				X			X			No	
Loc 9	4-6				X			X			No	
Loc 13	4-2					X		X			No	
Loc 15	4-6				X			X			No	
Loc 16	4-6				X		X		X		No	
Loc 27	4-2					X	X	X			No	
Loc 35	4-6				X			X			No	
Loc 36	4-2					X	X	X			No	
Loc 40	4-2					X		X			No	
Data Gap Assessment Investigations												
H35 Areas 1-5, 7-10	4-9			X			X	X			No	
H35 Area 6	4-9			X				X			No	
H36 Areas 1-2	4-9			X			X	X			No	
H38 Area 1	4-9			X			X	X			No	
J39 Areas 1, 2, 7-9, 11	4-9			X			X	X			No	

QC Grid Investigations

BIP = Blow-in-Place
MD = Munitiond Debris
RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-1
Summary of Geophysical Investigations and Removal Actions

Grid/ Location	Figure	Study Area					MD	RRD	Munitions	Soil Quantity Off-Site (cy) [1]	Soil Samples Collected (Excl. BIPs)	Comments
		Rows 65 to 72	Rows 45 to 64	Rows 30 to 44	Rows 7 to 29	Rows 0 to 6						
J39 Areas 3-6	4-9			X				X			No	
J39 Area 10	4-9			X			X	X	X	88	Yes	Munitions burn pit
H39 Area 1	4-9			X			X	X			No	
H41 Area 1	4-9			X				X			No	
J40 Area 1	4-9			X				X			No	
J40 Areas 1-3	4-9			X			X	X			No	
K27 Areas 1-4	4-6				X			X			No	
K27 Areas 5-6	4-6				X		X	X	X		No	
K27 Area 7	4-6				X		X	X			No	
K35 Area 1	4-9			X			X	X			No	
K36 Area 1	4-9			X			X				No	
K38 Areas 1-3, 5	4-9			X			X	X			No	
K38 Area 4	4-9			X			X				No	
K40 Area 1	4-9			X				X			No	
K40 Area 2	4-9			X			X	X	X		yes	
L38 Areas 1-3, 5, 7-9	4-9			X			X	X			No	
L38 Areas 4, 6	4-9			X				X			No	
N38 Areas 1-5	4-9			X				X			No	
N39 Areas 1-4	4-9			X				X			No	
I2 Areas 1-10	4-2					X		X			No	
J12 Area 1	4-6				X			X			No	
L2 Areas 1-4, 7, 9	4-6				X		X	X			No	
L2 Areas 5, 6	4-2					X		X			No	
L2 Area 8	4-2					X	X				No	
L1 Area 1	4-2					X	X	X	X	59	Yes	Munitions burn pit
L1 Areas 2-4, 6	4-2					X	X	X			No	
L1 Area 5	4-2					X		X			No	
L3 Area 1	4-2					X	X	X			No	
L3 Area 2	4-2					X		X			No	

Detailed Reconnaissance Investigation

BIP = Blow-in-Place
MD = Munitiond Debris
RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-1

Summary of Geophysical Investigations and Removal Actions

Grid/ Location	Figure	Study Area					MD	RRD	Munitions	Soil Quantity Off-Site (cy) [1]	Soil Samples Collected (Excl. BIPs)	Comments
		Rows 65 to 72	Rows 45 to 64	Rows 30 to 44	Rows 7 to 29	Rows 0 to 6						
K4 Area 1	4-2					X	X	X	X	20	Yes	Munitions burial pit with unknown liquids and solids
K1 Area 1	4-2					X		X			No	No items found- investigated during road clearance
K1 Area 2	4-2					X					No	
M1 Areas 3-4	4-2					X		X			No	
M1 Areas 2, 7, 8	4-2					X	X	X			No	
M1 Area 5	4-2					X	X				No	
M1 Area 6	4-2					X			X		No	
M1 Area 1	4-2					X	X	X	X	103	Yes	Munitions burial pit
L3	4-2					X		X			No	Cultural feature investigated
K3	4-2					X		X			No	Cultural feature investigated
K4	4-2					X		X			No	Cultural feature investigated
K5	4-2					X		X			No	Cultural feature investigated
H43 Area 1	4-9			X				X			No	
G41 Area 1	4-9			X			X				No	
H41 Area 2	4-9			X			X				No	
G39 Area 1	4-9			X			X	X			No	
H36 Area 3	4-9			X			X	X			No	
H39 Area 2	4-9			X			X	X	X	13	No	Munitions burial pit
H39 Area 3	4-9			X			X	X			No	
H33 Area 1	4-9			X				X	X		No	
H38 Area 2	4-9			X			X	X	X		No	
H40 Area 1	4-9			X			X	X	X		No	
H40 Area 2	4-9			X			X	X	X		Yes	
Loc. 43	4-9			X			X	X			No	
Loc. 51	4-9				X		X	X			No	
Loc. 63 Areas 1-3	4-9			X				X			No	
Loc. 63 Areas 4, 5	4-9			X			X	X			No	
Loc 58	4-9			X			X				No	

Aerial Photo Assessment Investigation

BIP = Blow-in-Place
MD = Munitiond Debris
RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-1

Summary of Geophysical Investigations and Removal Actions

Grid/ Location	Figure	Study Area: Rows 65 to 72	Rows 45 to 64	Rows 30 to 44	Rows 7 to 29	Rows 0 to 6	MD	RRD	Munitions	Soil Quantity Off-Site (cy) [1]	Soil Samples Collected (Excl. BIPs)	Comments
Loc 53	4-6				X						No	No targets chosen
Loc 55	4-13		X				X		X		No	
Loc 44 Targets	4-9			X			X	X			No	
Loc 44 Area 1	4-9			X			X	X	X	150	Yes	Munitions burial pit
Loc 44 Area 2	4-9			X			X	X	X		No	
Fenced Area	4-6				X		X	X	X		No	
J1P-30	4-16	X			X		X	X			No	
Loc 59 Areas 5, 7	4-1					X		X			No	
Loc 59 Areas 1, 8	4-1					X	X	X			No	
Loc 59 Areas 2-4	4-1					X			X		No	
Loc 59 Area 6	4-1					X		X	X		No	
150m Berm	4-9			X			X	X	X	290	Yes	
1000m Berm	4-9			X			X	X	X		No	
2000m Berm (a)	4-16	X					X	X	X		No	
2000m Berm (b)	4-16	X					X	X	X		No	
Grids I1, I2, I3, J2 and J3						X				1665	yes	Soil treated on-site by alkaline hydrolysis
J1 Consolidated Shot, Grid L 37, K38					X					654	yes	Soil treated on-site by alkaline hydrolysis
Target 34		X								435	yes	Soil treated on-site by alkaline hydrolysis
						Total Volume of Soil Removed (cy)				**3010**		

Air Force Research Laboratory Demonstration

Soil Removal Actions

Note: Potential energetic munitions item were either blown-in-place (BIP) or were transported to the Contained Detonation Chamber (CDC) for disposal

1. Soils disposed of off-site uless otherwise noted.

BIP = Blow-in-Place
MD = Munitiond Debris
RRD = Range Related Debris
cy - cubic yard(s)

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Rows 0 to 6										
Firing Point 1	CP05A	B05AAA	B05AAA	1/15/1998	SC	J2	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Firing Point 1	CP05A	B05ABA	B05ABA	3/9/1998	SC	J2	1.5	2	EXP, GENERAL, Herb, Metals, PDBs, Pest	FSP05
Firing Point 1	CP05A	B05ABAa	B05ABA	7/2/1998	SC	J2	1.5	2	VOC	FSP05
Firing Point 1	CP05A	B05ABD	B05ABD	3/9/1998	SC	J2	1.5	2	EXP, GENERAL, Herb, Metals, PDBs, Pest	FSP05
Firing Point 1	CP05A	B05ABDa	B05ABD	7/2/1998	SC	J2	1.5	2	VOC	FSP05
Firing Point 1	SS05A1	BC641	HC05A11AAA	5/1/2002	SC	I2	0	0.25	EXP, Metals, SVOC	ADWP2
Firing Point 1	SS05A1	BC642	HC05A11BAA	5/1/2002	SC	I2	0.25	0.5	EXP, Metals, SVOC	ADWP2
Firing Point 1	SS05A1	BC643	HC05A11CAA	5/1/2002	SC	I2	0.5	1	EXP, Metals, SVOC	ADWP2
Firing Point 1	SS05A1	BC644	HC05A11CAD	5/1/2002	SC	I2	0.5	1	EXP, Metals, SVOC	ADWP2
Firing Point 1	SS05A1	BC757	HD05A11BAA	5/1/2002	SD	I2	0.25	0.5	VOC	ADWP2
Firing Point 1	SS05A2	BC645	HC05A21AAA	5/1/2002	SC	I1	0	0.25	EXP, Metals, SVOC	ADWP2
Firing Point 1	SS05A2	BC646	HC05A21BAA	5/1/2002	SC	I1	0.25	0.5	EXP, Metals, SVOC	ADWP2
Firing Point 1	SS05A2	BC647	HC05A21CAA	5/1/2002	SC	I1	0.5	1	EXP, Metals, SVOC	ADWP2
Firing Point 1	SS05A3	BC736	HC05A31AAA	5/2/2002	SC	I2	0	0.25	EXP, Metals, SVOC	ADWP2
Firing Point 1	SS05A3	BC737	HC05A31BAA	5/2/2002	SC	I2	0.25	0.5	EXP, Metals, SVOC	ADWP2
Firing Point 1	SS05A3	BC738	HC05A31CAA	5/2/2002	SC	I2	0.5	1	EXP, Metals, SVOC	ADWP2
Firing Point 2	CP05P	B05PAA	B05PAA	1/14/1998	SC	K1	0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Firing Point 2	CP05P	B05PBA	B05PBA	3/18/1998	SC	K1	1.5	2	GENERAL, Metals, PCBs, Pest	FSP05
Firing Point 2	CP05P	B05PBAa	B05PBA	7/2/1998	SC	K1	1.5	2	VOC	FSP05
Firing Point 2	SS05PA	BC648	HC05PA1AAA	5/1/2002	SC	K1	0	0.25	EXP, Metals, SVOC	ADWP2
Firing Point 2	SS05PA	BC649	HC05PA1BAA	5/1/2002	SC	K1	0.25	0.5	EXP, Metals, SVOC	ADWP2
Firing Point 2	SS05PA	BC650	HC05PA1CAA	5/1/2002	SC	K1	0.5	1	EXP, Metals, SVOC	ADWP2
Firing Point 2	SS05PB	BC669	HC05PB1AAA	5/2/2002	SC	K1	0	0.25	EXP, Metals, SVOC	ADWP2
Firing Point 2	SS05PB	BC670	HC05PB1BAA	5/2/2002	SC	K1	0.25	0.5	EXP, Metals, SVOC	ADWP2
Firing Point 2	SS05PB	BC671	HC05PB1CAA	5/2/2002	SC	K1	0.5	1	EXP, Metals, SVOC	ADWP2
Firing Point 2	SS05PB	BC672	HC05PB1CAD	5/2/2002	SC	K1	0.5	1	EXP, Metals, SVOC	ADWP2
Tunnel Barrier 1	CP05B	B05BAA	B05BAA	1/15/1998	SC	I6	0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Tunnel Barrier 1	CP05B	B05BBA	B05BBA	3/10/1998	SC	I6	1.5	2	EXP, GENERAL, Herb, Metals	FSP05
Tunnel Barrier 1	CP05C	AD850	AC5CA1AAA	10/14/1999	SC	I5	3	4	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	
Tunnel Barrier 1	CP05C	AD851	AC5CA1BAA	10/14/1999	SC	I5	4	5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	
Tunnel Barrier 1	CP05C	AD852	AC5CA1CAA	10/14/1999	SC	I5	5	6	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	
Tunnel Barrier 1	CP05C	B05CAA	B05CAA	1/15/1998	SC	I5	0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Tunnel Barrier 1	CP05C	B05CBA	B05CBA	3/9/1998	SC	I5	1.5	2	GENERAL, Metals	FSP05
Tunnel Barrier 1	CP05C	B05CBAa	B05CBA	7/2/1998	SC	I5	1.5	2	VOC	FSP05
Tunnel Barrier 1	SS05TA	BC629	HC05TA1AAA	4/30/2002	SC	I5	0	0.5	EXP, Metals, SVOC	ADWP2
Tunnel Barrier 1	SS05TA	BC630	HC05TA1BAA	4/30/2002	SC	I5	0.5	1	EXP, Metals, SVOC	ADWP2
Tunnel Barrier 1	SS05TA	BC631	HC05TA1CAA	4/30/2002	SC	I5	1	2	EXP, Metals, SVOC	ADWP2
Tunnel Barrier 1	SS05TA	BC632	HC05TB1AAA	4/30/2002	SC	I5	0	0.5	EXP, Metals, SVOC	ADWP2
Tunnel Barrier 1	SS05TA	BC674	HD05TA1AAA	4/30/2002	SD	I5	0	0.5	VOC	ADWP2
Tunnel Barrier 1	SS05TB	BC633	HC05TB1BAA	4/30/2002	SC	I5	0.5	1	EXP, Metals, SVOC	ADWP2
Tunnel Barrier 1	SS05TB	BC634	HC05TB1BAD	4/30/2002	SC	I5	0.5	1	EXP, Metals, SVOC	ADWP2
Tunnel Barrier 1	SS05TB	BC635	HC05TB1CAA	4/30/2002	SC	I5	1	2	EXP, Metals, SVOC	ADWP2
Tunnel Barrier 1	SS05TC	BC636	HC05TC1AAA	5/1/2002	SC	J5	0	0.25	EXP, Metals, SVOC	ADWP2
Tunnel Barrier 1	SS05TC	BC637	HC05TC1BAA	5/1/2002	SC	J5	0.25	0.5	EXP, Metals, SVOC	ADWP2
Tunnel Barrier 1	SS05TC	BC638	HC05TC1CAA	5/1/2002	SC	J5	0.5	1	EXP, Metals, SVOC	ADWP2
100m Range Target	SS05A	BG5AAA	BG5AAA	12/11/1997	SC	J5	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Water Saw	SS15147-A	05X-01		3/24/2004	SC	J2	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	ADWP2
Water Saw	SS15147-A	05X-02		3/24/2004	SC	J2	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	ADWP2
Water Saw	SS15147-A	05X-03		3/24/2004	SC	J2	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	ADWP2
Former Building Area	CP05F	B05FAA	B05FAA	1/14/1998	SC	K1	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Former Building Area	CP05F	B05FBA	B05FBA	3/18/1998	SC	K1	1.5	2	GENERAL, Metals	FSP05
TT Polygon #1, Burn Pit	CP05G	B05GAA	B05GAA	1/14/1998	SC	L1	0	0.5	VOC	FSP05
TT Polygon #1, Burn Pit	CP05G	B05GBA	B05GBA	4/13/1998	SC	L1	1.5	2	VOC	FSP05
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.001.1.0		2/14/2002	BIP_PRE	L2	0.25	0.5	EXP	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.001.4.0		2/15/2002	BIP_POST	L2	0.25	0.5	EXP	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.002.1.0		2/14/2002	BIP_PRE	L2	0.25	0.5	EXP	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.002.4.0		2/15/2002	BIP_POST	L2	0.25	0.5	EXP	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.003.1.0		2/14/2002	BIP_PRE	L2	0.25	0.5	EXP	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.003.4.0		2/15/2002	BIP_POST	L2	0.25	0.5	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.004.1.0		2/14/2002	BIP_PRE	L2	0	0.25	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.004.4.0		2/15/2002	BIP_POST	L2	0	0.25	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.004.4.D		2/15/2002	BIP_POST	L2	0	0.25	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.006.1.0		2/21/2002	BIP_PRE	L2	1.75	2	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.006.4.0		2/22/2002	BIP_POST	L2	1.75	2	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.007.1.0		2/21/2002	BIP_PRE	L2	1.5	1.75	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.007.4.0		2/22/2002	BIP_POST	L2	1.5	1.75	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.008.1.0		2/21/2002	BIP_PRE	L2	4	4.25	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.008.4.0		2/22/2002	BIP_POST	L2	4	4.25	EXP	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.009.1.0		2/21/2002	BIP_PRE	L2	1	1.25	EXP	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.009.4.0		2/22/2002	BIP_POST	L2	1	1.25	EXP	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.010.1.0		2/21/2002	BIP_PRE	L2	1.5	1.75	EXP	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.010.4.0		2/22/2002	BIP_POST	L2	1.5	1.75	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.011.1.0		2/21/2002	BIP_PRE	L2	0	0.25	EXP	MSP
TT Polygon #1, Burial Pit	J1 Polygon	J1.A.T1.011.4.0		2/22/2002	BIP_POST	L2	0	0.25	EXP	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PR01.1.0		3/16/2002	BIP_PRE	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PR02.1.0		3/16/2002	BIP_PRE	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PR03.1.0		3/16/2002	BIP_PRE	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PR04.1.0		3/16/2002	BIP_PRE	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PR05.1.0		3/16/2002	BIP_PRE	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PR05.1.D		3/16/2002	BIP_PRE	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	BIP_POST	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	BIP_POST	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	BIP_POST	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	BIP_POST	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	BIP_POST	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	BIP_POST	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	BIP_POST	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	BIP_POST	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	BIP_POST	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	BIP_POST	L2	3	3.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, Burn Pit (#2?)	J1 Polygon	J1.F.T1.001.1.0	TA470	2/13/2002	BNP_EX	L1	0	5.83	Dioxins, EXP, Metals, PCNs, SVOC	MSP
TT Polygon #1, Burn Pit (#2?)	J1 Polygon	J1.F.T1.001.2.0	TA471	2/13/2002	BNP_PB	L1	6.75	7	Dioxins, EXP, Metals, PCNs, SVOC	MSP
TT Polygon #1, Burn Pit (#2?)	J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	BNP_ASH	L1	3	5	Dioxins, EXP, Metals, PCNs, SVOC	MSP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
TT Polygon #1, Burn Pit (#1?)	J1 Polygon	J1.F.T1.BP1.1.0	TA493	2/27/2002	BNP_EX	L1	0	6	Dioxins, EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, Burn Pit (#1?)	J1 Polygon	J1.F.T1.BP1.2.0	TA494	2/27/2002	BNP_PB	L1	6	6.25	Dioxins, EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, Burn Pit (#1?)	J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	BNP_ASH	L1	2	2.25	Dioxins, EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, Mortar Pit	J1 Polygon	J1.F.T1.MT1.1.0	TA485	2/25/2002	BLP_EX	K3	0	7.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, Mortar Pit	J1 Polygon	J1.F.T1.MT1.1.D	TA491	2/25/2002	BLP_EX	K3	0	7.25	EXP, Metals, PCNs, SVOC, VOC	MSP
TT Polygon #1, Mortar Pit	J1 Polygon	J1.F.T1.MT1.2.0	TA492	2/25/2002	BLP_PB	K3	7	7.25	EXP, Metals, PCNs, SVOC, VOC	MSP
Soil Borehole	MW-131	AK149	S131DAA	10/25/2000	SB	L1	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
Soil Borehole	MW-131	AK150	S131DBA	10/25/2000	SB	L1	1.5	2	EXP, GENERAL, Metals, TOC	JLWP
Soil Borehole	MW-131	AK151	S131DCA	10/5/2000	SB	L1	10	12	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
Soil Borehole	MW-131	AK152	S131DDA	10/5/2000	SB	L1	20	26	EXP, GENERAL, Metals, TOC	JLWP
Soil Borehole	MW-131	AK153	S131DEA	10/5/2000	SB	L1	30	32	GENERAL, Metals, TOC	JLWP
Soil Borehole	MW-131	AK154	S131DFA	10/5/2000	SB	L1	40	42	GENERAL, Metals, TOC	JLWP
Soil Borehole	MW-131	AK155	S131DGA	10/5/2000	SB	L1	50	52	GENERAL, Metals, TOC	JLWP
Soil Borehole	MW-131	AK156	S131DHA	10/5/2000	SB	L1	60	62	GENERAL, Metals, TOC	JLWP
Soil Borehole	MW-131	AK157	S131DHD	10/5/2000	SB	L1	60	62	GENERAL, Metals, TOC	JLWP
Soil Borehole	MW-131	AK158	S131DIA	10/5/2000	SB	L1	70	72	GENERAL, Metals, TOC	JLWP
Soil Borehole	MW-131	AK159	S131DJA	10/5/2000	SB	L1	80	82	GENERAL, Metals, TOC	JLWP
Soil Borehole	MW-131	AK160	S131DKA	10/5/2000	SB	L1	90	92	GENERAL, Metals, TOC	JLWP
Post-BIP	OG092500-02	AK005	HDJ1105MM	9/29/2000	BIP_POST	L1	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post-BIP	SS02787-A	TT466	J1.A.2.00001.3.0	9/1/2000	BIP_POST	J13	0	0.5	EXP	
Post-BIP	SS02799-A	TT475	J1.A.2.00013.3.0	9/1/2000	BIP_POST	J5	0	0.25	EXP	BIP
Post-BIP	SS02799-A	TT476	J1.A.2.00013.3.D	9/1/2000	BIP_POST	J5	0	0.25	EXP	BIP
Pre-BIP	SS02823-A	TT493	J1.A.2.00036.1.0	9/1/2000	BIP_PRE	J4	1	1.25	EXP	BIP
Post-BIP	SS02823-A	TT494	J1.A.2.00036.2.0	9/1/2000	BIP_POST	J4	1	1.25	EXP, Metals, SVOC, VOC	BIP
Pre-BIP	SS02824-A	TT497	J1.A.2.00037.1.0	9/1/2000	BIP_PRE	J4	0	0.25	EXP	BIP
Pre-BIP	SS02824-A	TT498	J1.A.2.00037.1.D	9/1/2000	BIP_PRE	J4	0	0.25	EXP	BIP
Post-BIP	SS02824-A	TT499	J1.A.2.00037.2.0	9/1/2000	BIP_POST	J4	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post-BIP	SS02825-A	TT500	J1.A.2.00038.3.0	9/1/2000	BIP_POST	J19	1	1.25	EXP	BIP
Post-BIP	SS02826-A	TT501	J1.A.2.00039.3.0	9/1/2000	BIP_POST	J18	1	1.5	EXP	BIP
Post-BIP	SS02827-A	TT502	J1.A.2.00040.3.0	9/1/2000	BIP_POST	J17	1	1.25	EXP	BIP
Post-BIP	SS02828-A	TT503	J1.A.2.00041.3.0	9/1/2000	BIP_POST	J17	1	1.25	EXP	BIP
Pre-BIP	SS02830-A	TT505	J1.A.2.00043.1.0	9/1/2000	BIP_PRE	J16	1	1.25	EXP	BIP
Post-BIP	SS02830-A	TT506	J1.A.2.00043.2.0	9/1/2000	BIP_POST	J16	1	1.25	EXP, Metals, SVOC, VOC	BIP
Pre-BIP	SS02831-A	TT507	J1.A.2.00044.1.0	9/1/2000	BIP_PRE	K15	0	0.75	EXP	BIP
Post-BIP	SS02831-A	TT508	J1.A.2.00044.2.0	9/1/2000	BIP_POST	K15	0	0.75	EXP, Metals, SVOC, VOC	BIP
Post-BIP	SS02831-A	TT509	J1.A.2.00044.2.D	9/1/2000	BIP_POST	K15	0	0.75	EXP, Metals, SVOC, VOC	BIP
Pre-BIP	SS02832-A	TT510	J1.A.2.00045.1.0	9/1/2000	BIP_PRE	J16	1	1.25	EXP	BIP
Post-BIP	SS02832-A	TT511	J1.A.2.00045.2.0	9/1/2000	BIP_POST	J16	1	1.25	EXP, Metals, SVOC, VOC	BIP
Pre-BIP	SS02833-A	TT495	J1.A.2.00046.1.0	9/1/2000	BIP_PRE	J16	0	1	EXP	BIP
Post-BIP	SS02833-A	TT496	J1.A.2.00046.2.0	9/1/2000	BIP_POST	J16	0	1	EXP, Metals, SVOC, VOC	BIP
Pre-BIP	SS02835-A	TT514	J1.A.2.00048.1.0	9/1/2000	BIP_PRE	J16	1	1.5	EXP	BIP
Post-BIP	SS02835-A	TT515	J1.A.2.00048.2.0	9/1/2000	BIP_POST	J16	1	1.5	EXP, Metals, SVOC, VOC	BIP
Pre-BIP	SS02837-A	TT516	J1.A.2.00050.1.0	9/1/2000	BIP_PRE	K7	0	0.25	EXP	BIP
Post-BIP	SS02837-A	TT517	J1.A.2.00050.2.0	9/1/2000	BIP_POST	K7	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post-BIP	SS02837-A	TT518	J1.A.2.00050.2.D	9/1/2000	BIP_POST	K7	0	0.25	EXP, Metals, SVOC, VOC	BIP
BIP Supplemental Sampling	SS02839-A	04763	HDTT822003SS1	5/20/2003	BIP_SS	J8	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS02839-A	04764	HDTT822003SS2	5/20/2003	BIP_SS	J8	0	0.25	Metals	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Supplemental Sampling	SS02839-A	04765	HDTT822003SS3	5/20/2003	BIP_SS	J8	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS02839-A	04766	HDTT822003SS4	5/20/2003	BIP_SS	J8	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS02839-A	04767	HDTT822003SS5	5/20/2003	BIP_SS	J8	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS02839-A	04768	HDTT822003SS6	5/20/2003	BIP_SS	J8	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS02839-A	04769	HDTT822003SS7	5/20/2003	BIP_SS	J8	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS02839-A	04770	HDTT822003SS8	5/20/2003	BIP_SS	J8	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS02839-A	04774	HDTT822003SS6D	5/20/2003	BIP_SS	J8	0	0.25	Metals	BIP
BIP Post-Excavation	SS02839-A	J1A200052_PE1		9/12/2006	BIP_PE	J8	0	0.25	Metals	BIP
BIP Post-Excavation	SS02839-A	J1A200052_PE2		9/12/2006	BIP_PE	J8	0	0.25	Metals	BIP
BIP Post-Excavation	SS02839-A	J1A200052_PE3		9/12/2006	BIP_PE	J8	0	0.25	Metals	BIP
Pre-BIP	SS02839-A	TT512	J1.A.2.00052.1.0	9/1/2000	BIP_PRE	J8	0	1	EXP	BIP
Post-BIP	SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	BIP_POST	J8	0	1	EXP, Metals, SVOC, VOC	BIP
Pre-BIP	SS02840-A	TT596	J1.B.2.00053.1.0	9/28/2000	BIP_PRE	J8	0	0.25	EXP	BIP
Post-BIP	SS02840-A	TT597	J1.B.2.00053.2.0	9/28/2000	BIP_POST	J8	0	0.25	EXP	BIP
Pre-BIP	SS02851-A	TT600	J1.B.2.00064.1.0	9/28/2000	BIP_PRE	J14	1	1.25	EXP	BIP
Post-BIP	SS02851-A	TT601	J1.B.2.00064.2.0	9/28/2000	BIP_POST	J14	1	1.25	EXP	BIP
Post-BIP	SS02873-A	TT648	J1.A.2.00086.3.0	10/9/2000	BIP_POST	K16	0	0.75	EXP	BIP
Post-BIP	SS02874-A	TT649	J1.A.2.00087.3.0	10/9/2000	BIP_POST	K16	0	0.75	EXP	BIP
BIP Post-Excavation	SS03162-A	J1AT1PT01_PE1		9/26/2006	BIP_PE	L1	0	0.25	EXP, Metals	BIP
BIP Post-Excavation	SS03162-A	J1AT1PT01_PE2		9/26/2006	BIP_PE	L1	0	0.25	EXP, Metals	BIP
BIP Post-Excavation	SS03162-A	J1AT1PT01_PE3		9/26/2006	BIP_PE	L1	0	0.25	EXP, Metals	BIP
TT Polygon #2, Previously Inves	SS05AB	AW970	HC05AB1AAA	12/10/2001	SC	J3	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #2, Previously Inves	SS05AB	AW971	HC05AB1BAA	12/10/2001	SC	J3	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #2, Previously Inves	SS05AB	AW972	HC05AB1CAA	12/10/2001	SC	J3	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #3, Previously Inves	SS05AC	AW973	HC05AC1AAA	12/10/2001	SC	J3	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #3, Previously Inves	SS05AC	AW974	HC05AC1BAA	12/10/2001	SC	J3	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #3, Previously Inves	SS05AC	AW975	HC05AC1CAA	12/10/2001	SC	J3	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #4, Previously Inves	SS05AD	AW976	HC05AD1AAA	12/10/2001	SC	J3	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #4, Previously Inves	SS05AD	AW977	HC05AD1BAA	12/10/2001	SC	J3	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #4, Previously Inves	SS05AD	AW978	HC05AD1CAA	12/10/2001	SC	J3	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #5, Previously Inves	SS05AE	AW979	HC05AE1AAA	12/10/2001	SC	I4	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #5, Previously Inves	SS05AE	AW980	HC05AE1AAD	12/10/2001	SC	I4	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #5, Previously Inves	SS05AE	AW981	HC05AE1BAA	12/10/2001	SC	I4	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #5, Previously Inves	SS05AE	AW982	HC05AE1CAA	12/11/2001	SC	I4	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #5, Previously Inves	SS05AF	AW983	HC05AF1AAA	12/11/2001	SC	I5	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #5, Previously Inves	SS05AF	AW984	HC05AF1BAA	12/11/2001	SC	I5	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #5, Previously Inves	SS05AF	AW985	HC05AF1CAA	12/11/2001	SC	I5	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP2
Tunnel Barrier 2	CP05D	AD853	AC5DA1AAA	10/14/1999	SC	J10	3	4	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	
Tunnel Barrier 2	CP05D	AD854	AC5DA1BAA	10/14/1999	SC	J10	4	5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	
Tunnel Barrier 2	CP05D	AD855	AC5DA1CAA	10/14/1999	SC	J10	5	6	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	
Tunnel Barrier 2	CP05D	B05DAA	B05DAA	1/19/1998	SC	J10	0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Tunnel Barrier 2	CP05D	B05DBA	B05DBA	3/10/1998	SC	J10	1.5	2	GENERAL, Metals	FSP05
Tunnel Barrier 2	CP05D	B05DBAa	B05DBA	7/2/1998	SC	J10	1.5	2	VOC	FSP05
Tunnel Barrier 2	CP05D	B05DBD	B05DBD	7/2/1998	SC	J10	1.5	2	VOC	FSP05
Tunnel Barrier 2	CP05E	B05EAA	B05EAA	1/19/1998	SC	J9	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Tunnel Barrier 2	CP05E	B05EBA	B05EBA	3/10/1998	SC	J9	1.5	2	EXP, GENERAL, Metals	FSP05
Tunnel Barrier 2	CP05E	B05EBAa	B05EBA	7/2/1998	SC	J9	1.5	2	VOC	FSP05

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Supplemental Sampling	SS08526-A	04755	HD02250202SS1	5/20/2003	BIP_SS	L2	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS08526-A	04756	HD02250202SS2	5/20/2003	BIP_SS	L2	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS08526-A	04757	HD02250202SS3	5/20/2003	BIP_SS	L2	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS08526-A	04758	HD02250202SS4	5/20/2003	BIP_SS	L2	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS08526-A	04759	HD02250202SS5	5/20/2003	BIP_SS	L2	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS08526-A	04760	HD02250202SS6	5/20/2003	BIP_SS	L2	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS08526-A	04761	HD02250202SS7	5/20/2003	BIP_SS	L2	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS08526-A	04762	HD02250202SS8	5/20/2003	BIP_SS	L2	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS08526-A	13479		4/7/2004	BIP_SS	L2	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS08526-A	13480		4/7/2004	BIP_SS	L2	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS08526-A	13481		4/7/2004	BIP_SS	L2	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS08526-A	13482		4/7/2004	BIP_SS	L2	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS08526-A	13483		4/7/2004	BIP_SS	L2	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS08526-A	13484		4/7/2004	BIP_SS	L2	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS08526-A	13485		4/7/2004	BIP_SS	L2	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS08526-A	13486		4/7/2004	BIP_SS	L2	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS08526-A	13487		4/7/2004	BIP_SS	L2	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS08526-A	13488		4/7/2004	BIP_SS	L2	0	0.25	Metals	BIP
Gen. Loc.	SS15134-A	05AG-01		1/27/2004	SC	I3	0	0.25	EXP	SSWP
Gen. Loc.	SS15134-A	05AG-02		1/27/2004	SC	I3	0.25	0.5	EXP	SSWP
Gen. Loc.	SS15134-A	05AG-03		1/27/2004	SC	I3	0.5	1	EXP	SSWP
Gen. Loc.	SS15135-A	05AH-01		1/28/2004	SC	J4	0	0.25	EXP	SSWP
Gen. Loc.	SS15135-A	05AH-01FD		1/28/2004	SC	J4	0	0.25	EXP	SSWP
Gen. Loc.	SS15135-A	05AH-02		1/28/2004	SC	J4	0.25	0.5	EXP	SSWP
Gen. Loc.	SS15135-A	05AH-03		1/28/2004	SC	J4	0.5	1	EXP	SSWP
Gen. Loc.	SS15136-A	05AI-01		1/28/2004	SC	J3	0	0.25	EXP	SSWP
Gen. Loc.	SS15136-A	05AI-02		1/28/2004	SC	J3	0.25	0.5	EXP	SSWP
Gen. Loc.	SS15136-A	05AI-03		1/28/2004	SC	J3	0.5	1	EXP	SSWP
Gen. Loc.	SS15136-A	05AI-03FD		1/28/2004	SC	J3	0.5	1	EXP	SSWP
Gen. Loc.	SS15137-A	05AJ-01		1/27/2004	SC	J2	0	0.25	EXP	SSWP
Gen. Loc.	SS15137-A	05AJ-02		1/27/2004	SC	J2	0.25	0.5	EXP	SSWP
Gen. Loc.	SS15137-A	05AJ-03		1/27/2004	SC	J2	0.5	1	EXP	SSWP
Projectile Trap	SS15145-A	05V-01		3/30/2004	SC	J6	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	ADWP2
Projectile Trap	SS15145-A	05V-02		3/30/2004	SC	J6	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	ADWP2
Projectile Trap	SS15145-A	05V-02FD		3/30/2004	SC	J6	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	ADWP2
Projectile Trap	SS15145-A	05V-03		3/30/2004	SC	J6	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	ADWP2
TT Polygon #1, Burn Pit	SS15146-A	05W01-01		3/23/2004	SC	L1	0	0.25	Perc	ADWP2
TT Polygon #1, Burn Pit	SS15146-A	05W02-01		3/23/2004	SC	L1	0	0.25	Perc	ADWP2
TT Polygon #1, Burn Pit	SS15146-A	05W02-01FD		3/23/2004	SC	L1	0	0.25	Perc	ADWP2
Post-BIP	SS15226-A	ECC041304J101 (po_c)		4/30/2004	BIP_POST		0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SS15226-A	ECC041304J101 (pre)		4/29/2004	BIP_PRE		0	0.25	EXP, Metals, PCNs, SVOC	BIP
Post-BIP	SS15229-A	ECC041604J101 (po_c)		4/30/2004	BIP_POST	J6	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SS15229-A	ECC041604J101 (pre)		4/29/2004	BIP_PRE	K1	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Post-BIP	SS15230-A	ECC041604J102 (po_c)		4/30/2004	BIP_POST	K6	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SS15230-A	ECC041604J102 (pre)		4/29/2004	BIP_PRE	K6	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Post-Excavation	SS15230-A	SS15230A_PE1		9/12/2006	BIP_PE	K6	0	0.25	Metals	BIP
BIP Post-Excavation	SS15230-A	SS15230A_PE2		9/12/2006	BIP_PE	K6	0	0.25	Metals	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Post-Excavation	SS15230-A	SS15230A_PE3		9/12/2006	BIP_PE	K6	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15230-A	SS15230-SS1		4/11/2005	BIP_SS	K6	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15230-A	SS15230-SS1 FD		4/11/2005	BIP_SS	K6	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15230-A	SS15230-SS2		4/11/2005	BIP_SS	K6	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15230-A	SS15230-SS3		4/11/2005	BIP_SS	K6	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15230-A	SS15230-SS4		4/11/2005	BIP_SS	K6	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15230-A	SS15230-SS4 FD		4/11/2005	BIP_SS	K6	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15230-A	SS15230-SS5		4/12/2005	BIP_SS	K6	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15230-A	SS15230-SS6		4/11/2005	BIP_SS	K6	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15230-A	SS15230-SS7		4/11/2005	BIP_SS	K6	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15230-A	SS15230-SS8		4/11/2005	BIP_SS	K6	0	0.25	Metals	BIP
Post-BIP	SS15231-A	ECC042204J101 (po_c)		4/30/2004	BIP_POST	J5	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SS15231-A	ECC042204J101 (pre)		4/29/2004	BIP_PRE	J5	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Post-BIP	SS287-A	ECC071803J101		7/25/2003	BIP_POST	L16	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SS287-A	ECC071803J101(pre)		7/25/2003	BIP_PRE	L16	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Post-BIP	SS288-A	ECC071803J103		7/25/2003	BIP_POST	I8	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SS288-A	ECC071803J103(pre)		7/25/2003	BIP_PRE	I8	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Post-BIP	SSJ181MM	AJ302		9/11/2000	BIP_POST	J15	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post-BIP	SSJ1DP1	AK003	HCJ1DP1	9/29/2000	BIP_POST	K1	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	J1SWP
Post-BIP	SSJ1DP1S	AK004	HCJ1DP1S	9/29/2000	BIP_POST	L1	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	J1SWP
Discrimination Analysis Target	SSJ1HO01	J1HO01-A		10/6/2005	SC	H0	0	0.25	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1HO01	J1HO01-A FD		10/6/2005	SC	H0	0	0.25	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1HO01	J1HO01-B		10/6/2005	SC	H0	0.25	0.5	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1HO01	J1HO01-C		10/6/2005	SC	H0	0.5	1	EXP, Perc	ECC TM 12/1/06
Post-BIP	SSJ1I18001	ECC041807J1SPL01 (post)		5/1/2007	BIP_POST	I8	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SSJ1I18001	ECC041807J1SPL01 (pre)		4/30/2007	BIP_PRE	I8	0	0.25	EXP, Metals, SVOC	BIP
TT Polygon J1-23, Previously In	SSJ1I201	J1I201-A		10/6/2005	SC	J2	0	0.25	EXP, Perc	ECC TM 12/1/06
TT Polygon J1-23, Previously In	SSJ1I201	J1I201-B		10/6/2005	SC	J2	0.25	0.5	EXP, Perc	ECC TM 12/1/06
TT Polygon J1-23, Previously In	SSJ1I201	J1I201-C		10/6/2005	SC	J2	0.5	1	EXP, Perc	ECC TM 12/1/06
I2-BLP-001 (Polygon J1-18 buri	SSJ1I2-BLP-001	J1I2-BLP-001 (discrete)		11/16/2005	BLP_FIND	I2	0	0.25	EXP, Perc	ECC TM 12/1/06
I2-BLP-001 (Polygon J1-18 buri	SSJ1I2-BLP-001	J1I2-BLP-001 (post)		11/17/2005	BLP_PB	I2	3	3.25	EXP, Perc	ECC TM 12/1/06
I2-BLP-001 (Polygon J1-18 buri	SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	BLP_STP	I2	0	0.25	EXP, Metals, Perc, SVOC	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1IO01	J1IO01-A		10/6/2005	SC	I0	0	0.25	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1IO01	J1IO01-B		10/6/2005	SC	I0	0.25	0.5	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1IO01	J1IO01-C		10/6/2005	SC	I0	0.5	1	EXP, Perc	ECC TM 12/1/06
TT Polygon J1-21, Previously In	SSJ1J1001	SSJ1J1-001 (post)		11/29/2005	BIP_POST	J1	4	4.25	EXP, Perc	ECC TM 12/1/06
TT Polygon J1-21, Previously In	SSJ1J1001	SSJ1J1-001 (pre)		11/29/2005	BIP_PRE	J1	0	2	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1J101	J1J101-A		10/27/2005	SC	J1	0	0.25	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1J101	J1J101-A FD		10/27/2005	SC	J1	0	0.25	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1J101	J1J101-B		10/27/2005	SC	J1	0.25	0.5	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1J101	J1J101-C		10/27/2005	SC	J1	0.5	1	EXP, Perc	ECC TM 12/1/06
Post-BIP	SSJ1J15001	ECC012606J1SUP01 (post)		2/1/2006	BIP_POST	J15	0	0.2	PCN	BIP
Post-BIP	SSJ1J15001	ECC012606J1SUP01 (post)		2/1/2006	BIP_POST	J15	0	0.25	PCNs	BIP
Post-BIP	SSJ1J15001	ECC012606J1SUP01 (post)		2/2/2006	BIP_POST	J15	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre-BIP	SSJ1J15001	ECC012606J1SUP01 (pre)		2/1/2006	BIP_PRE	J15	0	0.2	PCN	BIP
Pre-BIP	SSJ1J15001	ECC012606J1SUP01 (pre)		2/1/2006	BIP_PRE	J15	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Post-BIP	SSJ1J15001	ECC012606J1SUP01_D (post)		2/2/2006	BIP_POST	J15	0	0.25	Metals	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Pre-BIP	SSJ1J15001	ECC012606J1SUP01_D (pre)		2/1/2006	BIP_PRE	J15	0	0.25	Metals	BIP
Discrimination Analysis Target	SSJ1JO01	J1JO01-A		10/6/2005	SC	J0	0	0.25	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1JO01	J1JO01-B		10/6/2005	SC	J0	0.25	0.5	EXP, Perc	ECC TM 12/1/06
Discrimination Analysis Target	SSJ1JO01	J1JO01-C		10/6/2005	SC	J0	0.5	1	EXP, Perc	ECC TM 12/1/06
K4 burial pit	SSJ1K4001	J1K4002_POST		5/16/2007	BLP_PE	K4	4	4.25	Cyanide, EXP, Herb, Metals, PCBs, Perc, Pest, SVOC	BIP
J1 L1 Burn Pit	SSJ1L1BNP001	J1L1BNP001		4/24/2007	BNP_PE	L1	4	4.25	Dioxins, EXP, Metals, Perc, SVOC	BIP
Post-BIP	SSJ1M1002	ECC050907J1SUP01 (post)		5/17/2007	BIP_POST	M1	3	3.25	EXP, Metals, SVOC	BIP
Pre-BIP	SSJ1M1002	ECC050907J1SUP01 (pre)		5/17/2007	BIP_PRE	M1	2	2.25	EXP, Metals, SVOC	BIP
Post-BIP	SSJ1M1003	ECC052307J1SUP01(post)		6/6/2007	BIP_POST	M1	4	4.25	EXP, Metals, SVOC	BIP
Pre-BIP	SSJ1M1003	ECC052307J1SUP01(pre)		6/4/2007	BIP_PRE	M1	4	4.25	EXP, Metals, SVOC	BIP
J1 M1 burial pit	SSJ1M1BLP001	J1M1BLP_PE		5/31/2007	BLP_PE	M1	7	7.25	Cyanide, EXP, Metals, Perc, SVOC	BIP
Post-BIP	SSJ1P20001	ECC100404J101 (post)		10/14/2004	BIP_POST	I1	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SSJ1P20001	ECC100404J101 (pre)		10/13/2004	BIP_PRE	I1	0	0.25	EXP, Metals, SVOC	BIP
BIP Post-Excavation	SSJ1P20001	SSJ1P20001-PE1		6/23/2006	BIP_PE	I1	0	0.2	EXP	BIP
BIP Post-Excavation	SSJ1P20001	SSJ1P20001-PE2		6/23/2006	BIP_PE	I1	0	0.2	EXP	BIP
BIP Post-Excavation	SSJ1P20001	SSJ1P20001-PE3		6/23/2006	BIP_PE	I1	0	0.2	EXP	BIP
BIP Supplemental Sampling	SSJ1P20001	SSJ1P20001-SS1		4/15/2005	BIP_SS	I1	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1P20001	SSJ1P20001-SS2		4/15/2005	BIP_SS	I1	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1P20001	SSJ1P20001-SS3		4/15/2005	BIP_SS	I1	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1P20001	SSJ1P20001-SS4		4/15/2005	BIP_SS	I1	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1P20001	SSJ1P20001-SS4FD		4/15/2005	BIP_SS	I1	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1P20001	SSJ1P20001-SS5		4/15/2005	BIP_SS	I1	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1P20001	SSJ1P20001-SS6		4/15/2005	BIP_SS	I1	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1P20001	SSJ1P20001-SS7		4/15/2005	BIP_SS	I1	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1P20001	SSJ1P20001-SS8		4/15/2005	BIP_SS	I1	0	0.25	EXP	BIP
Post-BIP	SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	BIP_POST	J17	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SSJ1RD018	ECC051404J101 (pre)		6/3/2004	BIP_PRE	J17	0	0.25	EXP, Metals, SVOC	BIP
BIP Post-Excavation	SSJ1RD018	J1RD018_PE1		10/4/2006	BIP_PE	J17	0	0.25	Metals	BIP
BIP Post-Excavation	SSJ1RD018	J1RD018_PE2		10/4/2006	BIP_PE	J17	0	0.25	Metals	BIP
BIP Post-Excavation	SSJ1RD018	J1RD018_PE3		10/4/2006	BIP_PE	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS1		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS2		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS3		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS4		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS5		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS6		4/12/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS7		4/12/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS8		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
Post-BIP	SSJ1RD019	ECC052004J101 (post_c)		6/4/2004	BIP_POST	J5	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SSJ1RD019	ECC052004J101 (pre)		6/3/2004	BIP_PRE	J5	0	0.25	EXP, Metals, SVOC	BIP
Post-BIP	SSJ1RD020	ECC052004J102 (post_c)		6/4/2004	BIP_POST	J5	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SSJ1RD020	ECC052004J102 (pre)		6/3/2004	BIP_PRE	J5	0	0.25	EXP, Metals, SVOC	BIP
Post-BIP	SSJ1RD022	ECC081104J101(post)		8/19/2004	BIP_POST	J15	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre-BIP	SSJ1RD022	ECC081104J101(pre)		8/19/2004	BIP_PRE	J15	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS1		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS2		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS3		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP

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J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS4		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS5		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS6		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS7		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS8		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
Post-BIP	SSJ1RD023	ECC081304J202(post)		8/19/2004	BIP_POST	J15	0	0.25	Perc	BIP
Pre-BIP	SSJ1RD023	ECC081304J202(pre)		8/19/2004	BIP_PRE	J15	0	0.25	Perc	BIP
Post-BIP	SSJ1RD024	ECC081304J203(post)		8/19/2004	BIP_POST	K14	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre-BIP	SSJ1RD024	ECC081304J203(pre)		8/19/2004	BIP_PRE	K14	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Supplemental Sampling	SSJRANGEA	04171	HDJRANGEASS1	5/7/2003	BIP_SS	J5	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEA	04172	HDJRANGEASS2	5/7/2003	BIP_SS	J5	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEA	04173	HDJRANGEASS3	5/7/2003	BIP_SS	J5	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEA	04174	HDJRANGEASS4	5/7/2003	BIP_SS	J5	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEA	04175	HDJRANGEASS5	5/7/2003	BIP_SS	J5	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEA	04176	HDJRANGEASS6	5/7/2003	BIP_SS	J5	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEA	04177	HDJRANGEASS7	5/7/2003	BIP_SS	J5	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEA	04178	HDJRANGEASS8	5/7/2003	BIP_SS	J5	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEA	04179	HDJRANGEASS2D	5/7/2003	BIP_SS	J5	0	0.25	Metals	BIP
Post-BIP	SSJRANGEA	AD585	HDJRANGEA	9/30/1999	BIP_POST	J5	0	0.25	EXP, Metals, SVOC, VOC	BIP
BIP Post-Excavation	SSJRANGEA	SSJRANGEA_PE1		7/14/2006	BIP_PE	J5	0	0.2	Metals	BIP
BIP Post-Excavation	SSJRANGEA	SSJRANGEA_PE2		7/14/2006	BIP_PE	J5	0	0.2	Metals	BIP
BIP Post-Excavation	SSJRANGEA	SSJRANGEA_PE3		7/14/2006	BIP_PE	J5	0	0.2	Metals	BIP
Post-BIP	SSJRANGEB	AD586	HDJRANGEB	9/30/1999	BIP_POST	J14	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post-BIP	SSJRANGEC	AD587	HDJRANGEC	9/30/1999	BIP_POST	J14	0	0.25	EXP, Metals, SVOC, VOC	BIP
Rows 7 to 29										
Tunnel Barrier 2	CP05D	AD853	AC5DA1AAA	10/14/1999	SC	J10	3	4	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	
Tunnel Barrier 2	CP05D	AD854	AC5DA1BAA	10/14/1999	SC	J10	4	5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	
Tunnel Barrier 2	CP05D	AD855	AC5DA1CAA	10/14/1999	SC	J10	5	6	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	
Tunnel Barrier 2	CP05D	B05DAA	B05DAA	1/19/1998	SC	J10	0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Tunnel Barrier 2	CP05D	B05DBA	B05DBA	3/10/1998	SC	J10	1.5	2	GENERAL, Metals	FSP05
Tunnel Barrier 2	CP05D	B05DBAa	B05DBA	7/2/1998	SC	J10	1.5	2	VOC	FSP05
Tunnel Barrier 2	CP05D	B05DBD	B05DBD	7/2/1998	SC	J10	1.5	2	VOC	FSP05
Tunnel Barrier 2	CP05E	B05EAA	B05EAA	1/19/1998	SC	J9	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Tunnel Barrier 2	CP05E	B05EBA	B05EBA	3/10/1998	SC	J9	1.5	2	EXP, GENERAL, Metals	FSP05
Tunnel Barrier 2	CP05E	B05EBAa	B05EBA	7/2/1998	SC	J9	1.5	2	VOC	FSP05
Mortar Disposal	SS02789-A	TT467	J1.A.2.00003.3.0	9/1/2000	BIP_POST	J24	0	0.25	EXP	BIP
Mortar Disposal	SS05EF	BG5EAA	BG5EAA	3/4/1998	SC	J24	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	
Mortar Disposal	SS05EF	BG5FAA	BG5FAA	3/6/1998	SC	J24	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	
TT Polygon #6, Previously Investigated	SS05OA	AW986	HC05OA1AAA	12/11/2001	SC	K27	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
TT Polygon #6, Previously Investigated	SS05OA	AW987	HC05OA1BAA	12/11/2001	SC	K27	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
TT Polygon #6, Previously Investigated	SS05OA	AW988	HC05OA1CAA	12/11/2001	SC	K27	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
TT Polygon #6, Previously Investigated	SS05OB	AW989	HC05OB1AAA	12/11/2001	SC	K27	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
TT Polygon #6, Previously Investigated	SS05OB	AW990	HC05OB1AAD	12/11/2001	SC	K27	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
TT Polygon #6, Previously Investigated	SS05OB	AW991	HC05OB1BAA	12/11/2001	SC	K27	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
TT Polygon #6, Previously Investigated	SS05OB	AW992	HC05OB1CAA	12/11/2001	SC	K27	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
Post BIP	SS03002-A	TT961	J1.A.3.00011.3.0	11/6/2000	BIP_POST	I28	0	0.75	EXP	BIP
Post BIP	SS02920-A	TT874	J1.A.2.00133.3.0	10/20/2000	BIP_POST	J21	0	0.75	EXP	BIP
Post-BIP	SS02787-A	TT466	J1.A.2.00001.3.0	9/1/2000	BIP_POST	J13	0	0.5	EXP	
Post-BIP	SS02825-A	TT500	J1.A.2.00038.3.0	9/1/2000	BIP_POST	J19	1	1.25	EXP	
Post-BIP	SS02826-A	TT501	J1.A.2.00039.3.0	9/1/2000	BIP_POST	J18	1	1.5	EXP	
Post-BIP	SS02827-A	TT502	J1.A.2.00040.3.0	9/1/2000	BIP_POST	J17	1	1.25	EXP	
Post-BIP	SS02828-A	TT503	J1.A.2.00041.3.0	9/1/2000	BIP_POST	J17	1	1.25	EXP	
Pre-BIP	SS02830-A	TT505	J1.A.2.00043.1.0	9/1/2000	BIP_PRE	J16	1	1.25	EXP	
Post-BIP	SS02830-A	TT506	J1.A.2.00043.2.0	9/1/2000	BIP_POST	J16	1	1.25	EXP, Metals, SVOC, VOC	
Pre-BIP	SS02831-A	TT507	J1.A.2.00044.1.0	9/1/2000	BIP_PRE		0	0.75	EXP	
Post-BIP	SS02831-A	TT508	J1.A.2.00044.2.0	9/1/2000	BIP_POST		0	0.75	EXP, Metals, SVOC, VOC	
Post-BIP	SS02831-A	TT509	J1.A.2.00044.2.D	9/1/2000	BIP_POST		0	0.75	EXP, Metals, SVOC, VOC	
Pre-BIP	SS02832-A	TT510	J1.A.2.00045.1.0	9/1/2000	BIP_PRE	J16	1	1.25	EXP	
Post-BIP	SS02832-A	TT511	J1.A.2.00045.2.0	9/1/2000	BIP_POST	J16	1	1.25	EXP, Metals, SVOC, VOC	
Pre-BIP	SS02833-A	TT495	J1.A.2.00046.1.0	9/1/2000	BIP_PRE	J16	0	1	EXP	
Post-BIP	SS02833-A	TT496	J1.A.2.00046.2.0	9/1/2000	BIP_POST	J16	0	1	EXP, Metals, SVOC, VOC	
Pre-BIP	SS02835-A	TT514	J1.A.2.00048.1.0	9/1/2000	BIP_PRE	J16	1	1.5	EXP	
Post-BIP	SS02835-A	TT515	J1.A.2.00048.2.0	9/1/2000	BIP_POST	J16	1	1.5	EXP, Metals, SVOC, VOC	
Pre-BIP	SS02837-A	TT516	J1.A.2.00050.1.0	9/1/2000	BIP_PRE		0	0.25	EXP	
Post-BIP	SS02837-A	TT517	J1.A.2.00050.2.0	9/1/2000	BIP_POST		0	0.25	EXP, Metals, SVOC, VOC	
Post-BIP	SS02837-A	TT518	J1.A.2.00050.2.D	9/1/2000	BIP_POST		0	0.25	EXP, Metals, SVOC, VOC	
BIP Supplemental Sampling	SS02839-A	04763	HDTT822003SS1	5/20/2003	BIP_SS	J8	0	0.25	Metals	
BIP Supplemental Sampling	SS02839-A	04764	HDTT822003SS2	5/20/2003	BIP_SS	J8	0	0.25	Metals	
BIP Supplemental Sampling	SS02839-A	04765	HDTT822003SS3	5/20/2003	BIP_SS	J8	0	0.25	Metals	
BIP Supplemental Sampling	SS02839-A	04766	HDTT822003SS4	5/20/2003	BIP_SS	J8	0	0.25	Metals	
BIP Supplemental Sampling	SS02839-A	04767	HDTT822003SS5	5/20/2003	BIP_SS	J8	0	0.25	Metals	
BIP Supplemental Sampling	SS02839-A	04768	HDTT822003SS6	5/20/2003	BIP_SS	J8	0	0.25	Metals	
BIP Supplemental Sampling	SS02839-A	04769	HDTT822003SS7	5/20/2003	BIP_SS	J8	0	0.25	Metals	
BIP Supplemental Sampling	SS02839-A	04770	HDTT822003SS8	5/20/2003	BIP_SS	J8	0	0.25	Metals	
BIP Supplemental Sampling	SS02839-A	04774	HDTT822003SS6D	5/20/2003	BIP_SS	J8	0	0.25	Metals	
BIP Post-Excavation	SS02839-A	J1A200052_PE1		9/12/2006	BIP_PE	J8	0	0.25	Metals	
BIP Post-Excavation	SS02839-A	J1A200052_PE2		9/12/2006	BIP_PE	J8	0	0.25	Metals	
BIP Post-Excavation	SS02839-A	J1A200052_PE3		9/12/2006	BIP_PE	J8	0	0.25	Metals	
Pre-BIP	SS02839-A	TT512	J1.A.2.00052.1.0	9/1/2000	BIP_PRE	J8	0	1	EXP	
Post-BIP	SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	BIP_POST	J8	0	1	EXP, Metals, SVOC, VOC	
Pre-BIP	SS02840-A	TT596	J1.B.2.00053.1.0	9/28/2000	BIP_PRE	J8	0	0.25	EXP	
Post-BIP	SS02840-A	TT597	J1.B.2.00053.2.0	9/28/2000	BIP_POST	J8	0	0.25	EXP	
Pre-BIP	SS02851-A	TT600	J1.B.2.00064.1.0	9/28/2000	BIP_PRE	J14	1	1.25	EXP	
Post-BIP	SS02851-A	TT601	J1.B.2.00064.2.0	9/28/2000	BIP_POST	J14	1	1.25	EXP	
Post-BIP	SS02873-A	TT648	J1.A.2.00086.3.0	10/9/2000	BIP_POST		0	0.75	EXP	
Post-BIP	SS02874-A	TT649	J1.A.2.00087.3.0	10/9/2000	BIP_POST		0	0.75	EXP	

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J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Post-BIP	SS287-A	ECC071803J101		7/25/2003	BIP_POST		0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SS287-A	ECC071803J101(pre)		7/25/2003	BIP_PRE		0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Post-BIP	SSJ181MM	AJ302		9/11/2000	BIP_POST	J15	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post-BIP	SSJ1I18001	ECC041807J1SPL01 (post)		5/1/2007	BIP_POST	I8	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SSJ1I18001	ECC041807J1SPL01 (pre)		4/30/2007	BIP_PRE	I8	0	0.25	EXP, Metals, SVOC	BIP
Post-BIP	SSJ1J15001	ECC012606J1SUP01 (post)		2/1/2006	BIP_POST	J15	0	0.2	PCN	BIP
Post-BIP	SSJ1J15001	ECC012606J1SUP01 (post)		2/1/2006	BIP_POST	J15	0	0.25	PCNs	BIP
Post-BIP	SSJ1J15001	ECC012606J1SUP01 (post)		2/2/2006	BIP_POST	J15	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre-BIP	SSJ1J15001	ECC012606J1SUP01 (pre)		2/1/2006	BIP_PRE	J15	0	0.2	PCN	BIP
Pre-BIP	SSJ1J15001	ECC012606J1SUP01 (pre)		2/1/2006	BIP_PRE	J15	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Post-BIP	SSJ1J15001	ECC012606J1SUP01_D (post)		2/2/2006	BIP_POST	J15	0	0.25	Metals	BIP
Pre-BIP	SSJ1J15001	ECC012606J1SUP01_D (pre)		2/1/2006	BIP_PRE	J15	0	0.25	Metals	BIP
Post-BIP	SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	BIP_POST	J17	0	0.25	EXP, Metals, SVOC	BIP
Pre-BIP	SSJ1RD018	ECC051404J101 (pre)		6/3/2004	BIP_PRE	J17	0	0.25	EXP, Metals, SVOC	BIP
BIP Post-Excavation	SSJ1RD018	J1RD018_PE1		10/4/2006	BIP_PE	J17	0	0.25	Metals	BIP
BIP Post-Excavation	SSJ1RD018	J1RD018_PE2		10/4/2006	BIP_PE	J17	0	0.25	Metals	BIP
BIP Post-Excavation	SSJ1RD018	J1RD018_PE3		10/4/2006	BIP_PE	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS1		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS2		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS3		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS4		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS5		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS6		4/12/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS7		4/12/2005	BIP_SS	J17	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD018	SSJ1RD018-SS8		4/11/2005	BIP_SS	J17	0	0.25	Metals	BIP
Post-BIP	SSJ1RD022	ECC081104J101(post)		8/19/2004	BIP_POST	J15	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre-BIP	SSJ1RD022	ECC081104J101(pre)		8/19/2004	BIP_PRE	J15	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS1		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS2		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS3		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS4		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS5		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS6		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS7		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
BIP Supplemental Sampling	SSJ1RD022	SSJ1RD022-SS8		4/13/2005	BIP_SS	J15	0	0.25	Perc	BIP
Post-BIP	SSJ1RD023	ECC081304J202(post)		8/19/2004	BIP_POST	J15	0	0.25	Perc	BIP
Pre-BIP	SSJ1RD023	ECC081304J202(pre)		8/19/2004	BIP_PRE	J15	0	0.25	Perc	BIP
Post-BIP	SSJ1RD024	ECC081304J203(post)		8/19/2004	BIP_POST		0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre-BIP	SSJ1RD024	ECC081304J203(pre)		8/19/2004	BIP_PRE		0	0.25	EXP, Metals, Perc, SVOC	BIP
Post BIP	SSJ1J24001	ECC080807J1SUP01 (post)		8/16/2007	BIP_POST	J24	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1J24001	ECC080807J1SUP01 (pre)		8/15/2007	BIP_PRE	J24	0	0.25	EXP, Metals, Perc, SVOC	BIP

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J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Post BIP	SSJ1J24002	ECC080907J1SUP01 (post)		8/16/2007	BIP_POST	J24	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1J24002	ECC080907J1SUP01 (pre)		8/15/2007	BIP_PRE	J24	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Supplemental Sampling	SSJRANGED	04182	HDJRANGEDSS1	5/7/2003	BIP_SS	J28	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGED	04183	HDJRANGEDSS2	5/7/2003	BIP_SS	J28	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGED	04184	HDJRANGEDSS3	5/7/2003	BIP_SS	J28	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGED	04185	HDJRANGEDSS4	5/7/2003	BIP_SS	J28	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGED	04186	HDJRANGEDSS5	5/7/2003	BIP_SS	J28	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGED	04187	HDJRANGEDSS6	5/7/2003	BIP_SS	J28	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGED	04188	HDJRANGEDSS7	5/7/2003	BIP_SS	J28	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGED	04189	HDJRANGEDSS8	5/7/2003	BIP_SS	J28	0	0.25	Metals	BIP
Post BIP	SSJRANGED	AD588	HDJRANGED	9/30/1999	BIP_POST	J28	0	0.25	EXP, Metals, SVOC, VOC	BIP
BIP Post Excavation	SSJRANGED	AE267	JRANGEDPE1	11/5/1999	BIP_PE	J28	1	1.25	EXP	BIP
Post BIP	SS02791-A	TT468	J1.A.2.00005.3.0	9/1/2000	BIP_POST	J29	0	0.5	EXP	BIP
Post BIP	SS15228-A	ECC041404J102 (po_c)		4/30/2004	BIP_POST	J29	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SS15228-A	ECC041404J102 (pre)		4/29/2004	BIP_PRE	J29	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Post Excavation	SS15228-A	SS15228A_PE1		1/25/2007	BIP_PE	J29	0	0.25	Metals	BIP
BIP Post Excavation	SS15228-A	SS15228A_PE2		1/25/2007	BIP_PE	J29	0	0.25	Metals	BIP
BIP Post Excavation	SS15228-A	SS15228A_PE3		1/25/2007	BIP_PE	J29	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15228-A	SS15228A_SS1		9/5/2006	BIP_SS	J29	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15228-A	SS15228A_SS2		9/5/2006	BIP_SS	J29	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15228-A	SS15228A_SS3		9/5/2006	BIP_SS	J29	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15228-A	SS15228A_SS4		9/5/2006	BIP_SS	J29	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15228-A	SS15228A_SS5		9/5/2006	BIP_SS	J29	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15228-A	SS15228A_SS6		9/5/2006	BIP_SS	J29	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15228-A	SS15228A_SS7		9/5/2006	BIP_SS	J29	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15228-A	SS15228A_SS8		9/5/2006	BIP_SS	J29	0	0.25	Metals	BIP
Pre BIP	SSJ1K27001	ECC032901J1SUP01 (pre)		4/3/2007	BIP_PRE	K27	0	0.25	EXP, Metals, SVOC	BIP
Post BIP	SSJ1K27001	ECC039207J1SUP01 (post)		4/3/2007	BIP_POST	K27	0	0.25	EXP, Metals, SVOC	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Post BIP	SSJ1K27003	ECC040407J1SUP01 (post)		4/10/2007	BIP_POST	K27	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SSJ1K27003	ECC040407J1SUP01 (pre)		4/10/2007	BIP_PRE	K27	0	0.25	EXP, Metals, SVOC	BIP
Post BIP	SS02913-A	TT881	J1.A.2.00126.3.0	10/20/2000	BIP_POST	K29	0	0.75	EXP	BIP
Post BIP	SS02914-A	TT880	J1.A.2.00127.3.0	10/20/2000	BIP_POST	K29	0	0.5	EXP	BIP
Post BIP	SS60MMWPTANI	AC998	HD60WPTAUXOPT	8/5/1999	BIP_POST	L26	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post BIP	SS60MMWPTANI	AD001	HC60WPTAUXOPT	8/5/1999	BIP_POST	L26	0	0.25	EXP	BIP
Rows 30 to 44										
Discrimination Analysis Target	SSJ1I30	J1I30-A		7/15/2005	SC	I30	0	0.25	EXP, Perc	J1 SUP GEO WP
Discrimination Analysis Target	SSJ1I30	J1I30-B		7/15/2005	SC	I30	0.25	0.5	EXP, Perc	J1 SUP GEO WP
Discrimination Analysis Target	SSJ1I30	J1I30-C		7/15/2005	SC	I30	0.5	1	EXP, Perc	J1 SUP GEO WP
Discrimination Analysis Polygon 6860	SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	BIP_POST	I37	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Discrimination Analysis Polygon 6860	SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	BIP_PRE	I37	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
TT polygon #11-13, Previously Investigated	SS05NA	AW993	HC05NA1AAA	12/12/2001	SC	I39	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
TT polygon #11-13, Previously Investigated	SS05NA	AW994	HC05NA1BAA	12/12/2001	SC	I39	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
TT polygon #11-13, Previously Investigated	SS05NA	AW995	HC05NA1CAA	12/12/2001	SC	I39	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
Burial Trench Area	SS05FA4	AP423	HC05FA4AAA	4/13/2001	SC	I41	0	0.25	EXP, Herb, PCBs, Pest, VOC	RR
Burial Trench Area	SS05FA4	AP432	HC05FA4AAA	4/13/2001	SC	I41	0	0.25	Metals, SVOC	RR
Burial Trench Area	SS05FA5	AP424	HC05FA5AAA	4/13/2001	SC	I41	0	0.25	EXP, Herb, PCBs, Pest, VOC	RR
Burial Trench Area	SS05FA5	AP433	HC05FA5AAA	4/13/2001	SC	I41	0	0.25	Metals, SVOC	RR
TT polygon #16, Burn Pit	SS08523-A	TA222	J1.F.T16.002.1.0	12/17/2001	BLP_EX	I41	1	1.75	EXP, SVOC	MSP
TT polygon #16, Burn Pit	SS08523-A	TA223	J1.F.T16.002.2.0	12/17/2001	BNP_PB	I41	4	4.58	EXP, SVOC	MSP
TT polygon #16, Burn Pit	SS15198-A	05Z-01		3/23/2004	SC	I41	0	0.25	Perc	SSWP
Burial Trench Area	SS05FA1	AP420	HC05FA1AAA	4/13/2001	SC	I42	0	0.25	EXP, Herb, PCBs, Pest, VOC	RR
Burial Trench Area	SS05FA1	AP429	HC05FA1AAA	4/13/2001	SC	I42	0	0.25	Metals, SVOC	RR
Burial Trench Area	SS05FA2	AP421	HC05FA2AAA	4/13/2001	SC	I42	0	0.25	EXP, Herb, PCBs, Pest, VOC	RR
Burial Trench Area	SS05FA2	AP430	HC05FA2AAA	4/13/2001	SC	I42	0	0.25	Metals, SVOC	RR
Burial Trench Area	SS05FA3	AP422	HC05FA3AAA	4/13/2001	SC	I42	0	0.25	EXP, Herb, PCBs, Pest, VOC	RR
Burial Trench Area	SS05FA3	AP431	HC05FA3AAA	4/13/2001	SC	I42	0	0.25	Metals, SVOC	RR
Burial Trench Area	SS05FAA	AQ675	HC05FAA3AAA	5/25/2001	SC	I42	0	0.25	SVOC	RR
Discrimination Analysis Target	SSJ1J31	J1J31-A		7/15/2005	SC	J31	0	0.25	EXP, Perc	J1 SUP GEO WP

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J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Discrimination Analysis Target	SSJ1J31	J1J31-B		7/15/2005	SC	J31	0.25	0.5	EXP, Perc	J1 SUP GEO WP
Discrimination Analysis Target	SSJ1J31	J1J31-C		7/15/2005	SC	J31	0.5	1	EXP, Perc	J1 SUP GEO WP
Potential Burn Area	SS15157-A	05YF-01		2/2/2004	SC	J35	0	0.25	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15157-A	05YF-02		2/2/2004	SC	J35	0.25	0.5	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15157-A	05YF-03		2/2/2004	SC	J35	0.5	1	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15156-A	05YE-01		2/2/2004	SC	J36	0	0.25	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15156-A	05YE-02		2/2/2004	SC	J36	0.25	0.5	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15156-A	05YE-03		2/2/2004	SC	J36	0.5	1	EXP, Perc, SVOC	SSWP
J36-BNP-001	SSJ1J36001	J36-BNP-001 (post)		10/19/2005	BNP_PB	J37	3.3	3.55	Dioxins, EXP, Metals, Perc, SVOC	
J36-BNP-001	SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	BNP_STP	J37	0	3.3	EXP, Metals, Perc, RCRA, SVOC	
Cook-off Test Location	SS15140-A	05CN-01		1/29/2004	SC	J38	0	0.25	EXP, Perc, SVOC	SSWP
Cook-off Test Location	SS15140-A	05CN-01FD		1/29/2004	SC	J38	0	0.25	EXP, Perc, SVOC	SSWP
Cook-off Test Location	SS15140-A	05CN-02		1/29/2004	SC	J38	0.25	0.5	EXP, Perc, SVOC	SSWP
Cook-off Test Location	SS15140-A	05CN-03		1/29/2004	SC	J38	0.5	1	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15155-A	05YD-01		2/2/2004	SC	J38	0	0.25	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15155-A	05YD-02		2/2/2004	SC	J38	0.25	0.5	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15155-A	05YD-03		2/2/2004	SC	J38	0.5	1	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15155-A	05YD-03FD		2/2/2004	SC	J38	0.5	1	EXP, Perc, SVOC	SSWP
Steel-lined Pit	CP05N	B05NAA	B05NAA	1/20/1998	SC	J39	0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Steel-lined Pit	CP05N	B05NBA	B05NBA	3/11/1998	SC	J39	1.5	2	GENERAL, Metals	FSP05
Steel-lined Pit	CP05N	B05NBAa	B05NBA	7/2/1998	SC	J39	1.5	2	VOC	FSP05
Steel-lined Pit	CP05N	BG5CAA	BG5CAA	12/11/1997	SC	J39	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Steel-lined Pit	CP05N	BG5DAAb	BG5DAA	3/26/1998	SC	J39	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.014.1.0		3/7/2002	BIP_PRE	J39	0	0.25	EXP	BIP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.014.2.0		3/7/2002	BIP_POST	J39	0	0.25	EXP	BIP
TT Polygon #1, BIP	J1 Polygon	J1.A.T1.014.3.0		3/7/2002	BIP_POST	J39	0	0.25	EXP, Metals, PCNs, SVOC, VOC	BIP
Potential Burn Area	SS15154-A	05YC-01		2/2/2004	SC	J39	0	0.25	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15154-A	05YC-01FD		2/2/2004	SC	J39	0	0.25	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15154-A	05YC-02		2/2/2004	SC	J39	0.25	0.5	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15154-A	05YC-03		2/2/2004	SC	J39	0.5	1	EXP, Perc, SVOC	SSWP
J1J39 Burn Pit	SSJ1BNP001	J1J39BNP_PE		3/22/2007	BNP_PE	J39	3	3.25	Dioxins, EXP, Metals, Perc, SVOC	
J1J39 Burn Pit	SSJ1BNP001	J1J39BNP_PE2		5/2/2007	BIP_PE	J39	5	5.25	EXP, Metals	
TT polygon #14,15, Burial Pit	J1 Polygon	J1.F.T14.XC1.1.0	TA602	6/5/2002	BLP_EX	J40	0	3	EXP, Metals, PCNs, Perc, SVOC	MSP
TT polygon #14,15, Burial Pit	J1 Polygon	J1.F.T14.XC1.2.0	TA603	6/5/2002	BLP_PB	J40	3	3.25	EXP, Metals, PCNs, Perc, SVOC	MSP
TT polygon #14,15, Burial Pit	J1A200128	19850		10/21/2004	BIP_PE	J40	1	1.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	19851		10/21/2004	BIP_PE	J40	1	1.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	19852		10/21/2004	BIP_PE	J40	1	1.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	AS452	HDJ1A200128SS1	8/21/2001	BIP_SS	J40	0	0.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	AS453	HDJ1A200128SS2	8/21/2001	BIP_SS	J40	0	0.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	AS454	HDJ1A200128SS4	8/21/2001	BIP_SS	J40	0	0.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	AS455	HDJ1A200128SS3	8/21/2001	BIP_SS	J40	0	0.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	AS456	HDJ1A200128SS5	8/21/2001	BIP_SS	J40	0	0.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	AS457	HDJ1A200128SS6	8/21/2001	BIP_SS	J40	0	0.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	AS458	HDJ1A200128SS8	8/21/2001	BIP_SS	J40	0	0.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	AS460	HDJ1A200128SS2D	8/21/2001	BIP_SS	J40	0	0.25	EXP	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
TT polygon #14,15, Burial Pit	J1A200128	AS629	HDJ1A200128SS7	8/27/2001	BIP_SS	J40	0	0.25	EXP	BIP
TT polygon #14,15, Burial Pit	J1A200128	TT879	J1.A.2.00128.3.0	10/20/2000	BIP_POST	J40	0	0.5	EXP	BIP
TT polygon #14,15, Burial Pit	SS05NB	AW996	HC05NB1AAA	12/12/2001	SC	J40	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
TT polygon #14,15, Burial Pit	SS05NB	AW997	HC05NB1AAD	12/12/2001	SC	J40	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
TT polygon #14,15, Burial Pit	SS05NB	AW998	HC05NB1BAA	12/12/2001	SC	J40	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
TT polygon #14,15, Burial Pit	SS05NB	AW999	HC05NB1CAA	12/12/2001	SC	J40	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	MSP
Potential Burn Area	SS15153-A	05YB-01		1/30/2004	SC	J40	0	0.25	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15153-A	05YB-02		1/30/2004	SC	J40	0.25	0.5	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15153-A	05YB-03		1/30/2004	SC	J40	0.5	1	EXP, Perc, SVOC	SSWP
TT polygon #14,15, Burial Pit	SSJRANGEH	AD591	HDJRANGEH	9/30/1999	BIP_POST	J40	0	0.25	EXP, Metals, SVOC, VOC	BIP
Potential Burn Area	SS15152-A	05YA-01		1/30/2004	SC	J41	0	0.25	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15152-A	05YA-02		1/30/2004	SC	J41	0.25	0.5	EXP, Perc, SVOC	SSWP
Potential Burn Area	SS15152-A	05YA-03		1/30/2004	SC	J41	0.5	1	EXP, Perc, SVOC	SSWP
Discrimination Analysis Target	SSJ1K34-SE	J1K34-SE-A		7/15/2005	SC	K34	0	0.25	EXP, Perc	J1 SUP GEO WP
Discrimination Analysis Target	SSJ1K34-SE	J1K34-SE-A_FD		7/15/2005	SC	K34	0	0.25	EXP, Perc	J1 SUP GEO WP
Discrimination Analysis Target	SSJ1K34-SE	J1K34-SE-B		7/15/2005	SC	K34	0.25	0.5	EXP, Perc	J1 SUP GEO WP
Discrimination Analysis Target	SSJ1K34-SE	J1K34-SE-C		7/15/2005	SC	K34	0.5	1	EXP, Perc	J1 SUP GEO WP
Firing Point 3	CP05J	05J-01		3/23/2004	SC	K35	0	0.25	Perc	SSWP
Firing Point 3	CP05J	05J-02		3/23/2004	SC	K35	0.25	0.5	Perc	SSWP
Firing Point 3	CP05J	05J-03		3/23/2004	SC	K35	0.5	1	Perc	SSWP
Firing Point 3	CP05J	B05JAA	B05JAA	1/19/1998	SC	K35	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
Firing Point 3	CP05J	B05JBA	B05JBA	3/10/1998	SC	K35	1.5	2	EXP, GENERAL, Metals	FSP05
Firing Point 3	CP05J	B05JBAa	B05JBA	7/2/1998	SC	K35	1.5	2	VOC	FSP05
Waste Discharge	MW-136	AK989	S136DAA	10/25/2000	SB	K35	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Waste Discharge	MW-136	AK990	S136DBA	10/25/2000	SB	K35	1.5	2	EXP, GENERAL, Metals, TOC	ADWP1
Waste Discharge	MW-136	AK991	S136DCA	10/24/2000	SB	K35	10	12	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Waste Discharge	MW-136	AK993	S136DDA	10/24/2000	SB	K35	20	22	EXP, GENERAL, Metals, TOC	ADWP1
Waste Discharge	MW-136	AK994	S136DEA	10/24/2000	SB	K35	30	32	GENERAL, Metals, TOC	ADWP1
Waste Discharge	MW-136	AK995	S136DFA	10/24/2000	SB	K35	40	42	GENERAL, Metals, TOC	ADWP1
Waste Discharge	MW-136	AK996	S136DGA	10/24/2000	SB	K35	50	52	GENERAL, Metals, TOC	ADWP1
Waste Discharge	MW-136	AK997	S136DHA	10/24/2000	SB	K35	60	62	GENERAL, Metals, TOC	ADWP1
Waste Discharge	MW-136	AK998	S136DIA	10/24/2000	SB	K35	70	72	GENERAL, Metals, TOC	ADWP1
Waste Discharge	MW-136	AK999	S136DJA	10/25/2000	SB	K35	80	84	GENERAL, Metals, TOC	ADWP1
Waste Discharge	MW-136	AL001	S136DKA	10/25/2000	SB	K35	90	94	GENERAL, Metals, TOC	ADWP1
Waste Discharge	MW-136	AL002	S136DLA	10/25/2000	SB	K35	100	102	GENERAL, Metals, TOC	ADWP1
Waste Discharge	SS05AA	AK764	HC05AA1AAA	10/17/2000	SC	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
Waste Discharge	SS05AA	AK765	HD05AA3AAA	10/17/2000	SC	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
Waste Discharge	SS05AA	AK766	HC05AA1BAA	10/17/2000	SC	K35	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
Waste Discharge	SS05AA	AK767	HD05AA3BAA	10/17/2000	SC	K35	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
Waste Discharge	SS05AA	AK768	HC05AA1CAA	10/17/2000	SC	K35	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
Waste Discharge	SS05AA	AK769	HD05AA3CAA	10/17/2000	SC	K35	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
Waste Discharge	SS05AA	AK770	HC05AA1CAD	10/17/2000	SC	K35	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
Waste Discharge	SS05AA	AK771	HC05AA1AAA	10/17/2000	SC	K35	0	0.25	RAD-U	JLWP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Waste Discharge	SS05AA	AK772	HD05AA3AAA	10/17/2000	SC	K35	0	0.25	RAD-U	JLWP
Waste Discharge	SS05AA	AK773	HC05AA1BAA	10/17/2000	SC	K35	0.25	0.5	RAD-U	JLWP
Waste Discharge	SS05AA	AK774	HD05AA3BAA	10/17/2000	SC	K35	0.25	0.5	RAD-U	JLWP
Waste Discharge	SS05AA	AK775	HC05AA1CAA	10/17/2000	SC	K35	0.5	1	RAD-U	JLWP
Waste Discharge	SS05AA	AK776	HD05AA3CAA	10/17/2000	SC	K35	0.5	1	RAD-U	JLWP
Waste Discharge	SS05AA	AK777	HC05AA1CAD	10/17/2000	SC	K35	0.5	1	RAD-U	JLWP
Popper Kettle	SS05AAA	BC609	HC05AAA1AAA	4/30/2002	SC	K35	0	0.5	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05AAA	BC610	HC05AAA1BAA	4/30/2002	SC	K35	0.5	1	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05AAA	BC611	HC05AAA1CAA	4/30/2002	SC	K35	1	2	EXP, Metals, SVOC	ADWP2
WW Discharge Area	SS05EA	AK006	HD05EA1AAA	9/29/2000	SD	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EA	AK008	HD05EA2AAA	9/29/2000	SD	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EA	AK010	HD05EA3AAA	9/29/2000	SD	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EA	AK012	HD05EA4AAA	9/29/2000	SD	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EA	AK014	HD05EA5AAA	9/29/2000	SD	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EA	AK778	HC05EA1BAA	10/17/2000	SD	K35	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
WW Discharge Area	SS05EA	AK779	HC05EA1CAA	10/17/2000	SC	K35	0.5	1	SVOC	JLWP
WW Discharge Area	SS05EA	AK779	HC05EA1CAA	10/17/2000	SD	K35	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
WW Discharge Area	SS05EA	AK780	HD05EA3BAA	10/17/2000	SD	K35	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EA	AK781	HD05EA3CAA	10/17/2000	SD	K35	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EA	AK796	HC05EA1BAA	10/17/2000	SD	K35	0.25	0.5	RAD-U	JLWP
WW Discharge Area	SS05EA	AK797	HC05EA1CAA	10/17/2000	SD	K35	0.5	1	RAD-U	JLWP
WW Discharge Area	SS05EA	AK798	HD05EA3BAA	10/17/2000	SD	K35	0.25	0.5	RAD-U	JLWP
WW Discharge Area	SS05EA	AK799	HD05EA3CAA	10/17/2000	SD	K35	0.5	1	RAD-U	JLWP
Popper Kettle	SS05EAA	BC606	HC05EAA1AAA	4/30/2002	SC	K35	0	0.5	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05EAA	BC607	HC05EAA1BAA	4/30/2002	SC	K35	0.5	1	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05EAA	BC608	HC05EAA1CAA	4/30/2002	SC	K35	1	2	EXP, Metals, SVOC	ADWP2
WW Discharge Area	SS05EB	AK782	HC05EB1AAA	10/17/2000	SC	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
WW Discharge Area	SS05EB	AK783	HC05EB1BAA	10/17/2000	SC	K35	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
WW Discharge Area	SS05EB	AK784	HC05EB1CAA	10/17/2000	SC	K35	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
WW Discharge Area	SS05EB	AK785	HD05EB3AAA	10/17/2000	SD	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EB	AK786	HD05EB3BAA	10/17/2000	SD	K35	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EB	AK787	HD05EB3BAD	10/17/2000	SD	K35	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EB	AK788	HD05EB3CAA	10/17/2000	SD	K35	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EB	AK800	HC05EB1AAA	10/17/2000	SC	K35	0	0.25	RAD-U	JLWP
WW Discharge Area	SS05EB	AK801	HC05EB1BAA	10/17/2000	SC	K35	0.25	0.5	RAD-U	JLWP
WW Discharge Area	SS05EB	AK802	HC05EB1CAA	10/17/2000	SC	K35	0.5	1	RAD-U	JLWP
WW Discharge Area	SS05EB	AK803	HD05EB3AAA	10/17/2000	SD	K35	0	0.25	RAD-U	JLWP
WW Discharge Area	SS05EB	AK804	HD05EB3BAA	10/17/2000	SD	K35	0.25	0.5	RAD-U	JLWP
WW Discharge Area	SS05EB	AK805	HD05EB3BAD	10/17/2000	SD	K35	0.25	0.5	RAD-U	JLWP
WW Discharge Area	SS05EB	AK806	HD05EB3CAA	10/17/2000	SD	K35	0.5	1	RAD-U	JLWP
WW Discharge Area	SS05EC	AK789	HC05EC1AAA	10/17/2000	SC	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
WW Discharge Area	SS05EC	AK790	HC05EC1BAA	10/17/2000	SC	K35	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
WW Discharge Area	SS05EC	AK791	HC05EC1CAA	10/17/2000	SC	K35	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
WW Discharge Area	SS05EC	AK792	HC05EC1CAD	10/17/2000	SC	K35	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC	JLWP
WW Discharge Area	SS05EC	AK793	HD05EC3AAA	10/17/2000	SD	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EC	AK794	HD05EC3BAA	10/17/2000	SD	K35	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP
WW Discharge Area	SS05EC	AK795	HD05EC3CAA	10/17/2000	SD	K35	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	JLWP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
WW Discharge Area	SS05EC	AK807	HC05EC1AAA	10/17/2000	SC	K35	0	0.25	RAD-U	JLWP
WW Discharge Area	SS05EC	AK808	HC05EC1BAA	10/17/2000	SC	K35	0.25	0.5	RAD-U	JLWP
WW Discharge Area	SS05EC	AK809	HC05EC1CAA	10/17/2000	SC	K35	0.5	1	RAD-U	JLWP
WW Discharge Area	SS05EC	AK810	HC05EC1CAD	10/17/2000	SC	K35	0.5	1	RAD-U	JLWP
WW Discharge Area	SS05EC	AK811	HD05EC3AAA	10/17/2000	SD	K35	0	0.25	RAD-U	JLWP
WW Discharge Area	SS05EC	AK812	HD05EC3BAA	10/17/2000	SD	K35	0.25	0.5	RAD-U	JLWP
WW Discharge Area	SS05EC	AK813	HD05EC3CAA	10/17/2000	SD	K35	0.5	1	RAD-U	JLWP
Popper Kettle	SS05ECA	BC561	HC05ECA1AAA	4/29/2002	SC	K35	0	0.5	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05ECA	BC562	HC05ECA1BAA	4/29/2002	SC	K35	0.5	1	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05ECA	BC563	HC05ECA1CAA	4/29/2002	SC	K35	1	2	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05ECB	BC564	HC05ECB1AAA	4/29/2002	SC	K35	0	0.5	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05ECB	BC565	HC05ECB1BAA	4/29/2002	SC	K35	0.5	1	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05ECB	BC566	HC05ECB1BAD	4/29/2002	SC	K35	0.5	1	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05ECB	BC567	HC05ECB1CAA	4/29/2002	SC	K35	1	2	EXP, Metals, SVOC	ADWP2
Firing Point 2	SS05P	AH833	HD05P1AAA	6/21/2000	SD	K35	0	0.25	EXP, Metals, SVOC	FSP05
lead hotspot removal	SS05P	SS05P_PE		2/22/2007	SD	K35	0	0.25	METALS	FSP05
Popper Kettle	SS05P1A	BC612	HC05P1A1AAA	4/30/2002	SC	K35	0	0.5	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05P1A	BC613	HC05P1A1BAA	4/30/2002	SC	K35	0.5	1	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05P1A	BC614	HC05P1A1CAA	4/30/2002	SC	K35	1	2	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05P1A	BC615	HC05P1A1CAD	4/30/2002	SC	K35	1	2	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05P1B	BC616	HC05P1B1AAA	4/30/2002	SC	K35	0	0.5	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05P1B	BC617	HC05P1B1BAA	4/30/2002	SC	K35	0.5	1	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05P1B	BC618	HC05P1B1CAA	4/30/2002	SC	K35	1	2	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05P1B	BC673	HD05P1B5CAA	4/30/2002	SD	K35	1	2	VOC	ADWP2
Control Grid	SS05Q	AH834	HD05Q1AAA	6/21/2000	SD	K35	0	0.25	EXP, Metals, SVOC	FSP05
lead hotspot removal	SS05Q	SS05Q_PE		2/22/2007	SD	K35	0	0.25	METALS	FSP05
Popper Kettle	SS05Q1A	BC571	HC05Q1A1AAA	4/29/2002	SC	K35	0	0.5	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05Q1A	BC572	HC05Q1A1BAA	4/29/2002	SC	K35	0.5	1	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05Q1A	BC573	HC05Q1A1CAA	4/29/2002	SC	K35	1	2	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05R	AH835	HD05R1AAA	6/21/2000	SD	K35	0	0.25	EXP, Metals, SVOC	
lead hotspot removal	SS05R	SS05R_PE		2/22/2007	SD	K35	0	0.25	METALS	J1RECON PjN
Popper Kettle	SS05S	05S-01		3/23/2004	SC	K35	0	0.25	Perc	EPA request
Popper Kettle	SS05S	05S-01FD		3/23/2004	SC	K35	0	0.25	Perc	EPA request
Popper Kettle	SS05S	05S-02		3/23/2004	SC	K35	0.25	0.5	Perc	EPA request
Popper Kettle	SS05S	05S-03		3/23/2004	SC	K35	0.5	1	Perc	EPA request
Popper Kettle	SS05S	AH801	HCJ1KPAAA	6/15/2000	SC	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	EPA request
Popper Kettle	SS05S	AI681	HD05S1AAA	8/10/2000	SD	K35	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	EPA request
Popper Kettle	SS15200-A	C5A-01		3/23/2004	SC	K35	0	0.25	Perc	SSWP
Popper Kettle	SS15200-A	C5A-02		3/23/2004	SC	K35	0.25	0.5	Perc	SSWP
Popper Kettle	SS15200-A	C5A-03		3/23/2004	SC	K35	0.5	1	Perc	SSWP
Discrimination Analysis Target	SSJ1K34-NW	J1K34-NW-A		7/15/2005	SC	K35	0	0.25	EXP, Perc	J1 SUP GEO WP
Discrimination Analysis Target	SSJ1K34-NW	J1K34-NW-B		7/15/2005	SC	K35	0.25	0.5	EXP, Perc	J1 SUP GEO WP
Discrimination Analysis Target	SSJ1K34-NW	J1K34-NW-C		7/15/2005	SC	K35	0.5	1	EXP, Perc	J1 SUP GEO WP
Popper Kettle	SS15142-A	05CP-01		3/24/2004	SC	K36	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	SSWP

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J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Popper Kettle	SS15142-A	05CP-01FD		3/24/2004	SC	K36	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	SSWP
Popper Kettle	SS15142-A	05CP-02		3/24/2004	SC	K36	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	SSWP
Popper Kettle	SS15142-A	05CP-03		3/24/2004	SC	K36	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	SSWP
K36-BLP-001	SSJ1K36001	K36-BLP-001 (post)		9/22/2005	BLP_PB	K36	3	3.25	EXP, Perc	
K36-BLP-001	SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	BLP_STP	K36	0	3	EXP, Metals, Perc, SVOC	
K36-BLP-002	SSJ1K36002	K36-BLP-002 (post)		10/6/2005	BLP_PB	K36	9	9.25	EXP, Perc	
K36-BLP-002	SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	BLP_STP	K36	0	9	EXP, Metals, Perc, SVOC	
Cook-off Test Location	J1P-15 (MW-191)	AW032	HCJ1P15DS1A	11/1/2001	SC	K37	0	0.25	EPH, EXP, Metals, SVOC	ADWP2
Cook-off Test Location	J1P-15 (MW-191)	AW033	HCJ1P15DS2A	11/1/2001	SC	K37	0	0.25	EPH, EXP, Metals, SVOC	ADWP2
Cook-off Test Location	J1P-15 (MW-191)	AW036	HCJ1P15DS1A	11/1/2001	SC	K37	0	0.25	Dioxins	ADWP2
Cook-off Test Location	J1P-15 (MW-191)	AW037	HCJ1P15DS2A	11/1/2001	SC	K37	0	0.25	Dioxins	ADWP2
Cook-off Test Location	J1P-15 (MW-191)	AW085	HCJ1P15DS1A	11/1/2001	SC	K37	0	0.25	VPH	ADWP2
Cook-off Test Location	J1P-15 (MW-191)	AW086	HCJ1P15DS2A	11/1/2001	SC	K37	0	0.25	VPH	ADWP2
Discrimination Analysis Polygon 6898	SS05CH	05CH-01		2/4/2004	SC	K37	0	0.25	Perc	ADWP1
Discrimination Analysis Polygon 6898	SS05CH	05CH-02		2/4/2004	SC	K37	0.25	0.5	Perc	ADWP1
Discrimination Analysis Polygon 6898	SS05CH	05CH-03		2/4/2004	SC	K37	0.5	1	Perc	ADWP1
Discrimination Analysis Polygon 6898	SS05CH	AS067	HC05CH1AAA	8/28/2001	SC	K37	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Discrimination Analysis Polygon 6898	SS05CH	AS068	HC05CH1BAA	8/28/2001	SC	K37	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Discrimination Analysis Polygon 6898	SS05CH	AS069	HC05CH1CAA	8/28/2001	SC	K37	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
High Pt. 2 - North of 1,000m berm	SS05CK	05CK-01		2/4/2004	SC	K37	0	0.25	Perc	ADWP1
High Pt. 2 - North of 1,000m berm	SS05CK	05CK-02		2/4/2004	SC	K37	0.25	0.5	Perc	ADWP1
High Pt. 2 - North of 1,000m berm	SS05CK	05CK-03		2/4/2004	SC	K37	0.5	1	Perc	ADWP1
High Pt. 2 - North of 1,000m berm	SS05CK	AS076	HC05CK1AAA	8/30/2001	SC	K37	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
High Pt. 2 - North of 1,000m berm	SS05CK	AS077	HC05CK1BAA	8/30/2001	SC	K37	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
High Pt. 2 - North of 1,000m berm	SS05CK	AS078	HC05CK1CAA	8/30/2001	SC	K37	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Cook-off Test Location	SS15139-A	05CM-01		1/30/2004	SC	K37	0	0.25	EXP, Perc, SVOC	SSWP
Cook-off Test Location	SS15139-A	05CM-02		1/30/2004	SC	K37	0.25	0.5	EXP, Perc, SVOC	SSWP
Cook-off Test Location	SS15139-A	05CM-03		1/30/2004	SC	K37	0.5	1	EXP, Perc, SVOC	SSWP
Mag. Anomaly GGK41	SS05CC	05CC-01		2/3/2004	SC	K38	0	0.25	Perc	ADWP1
Mag. Anomaly GGK41	SS05CC	05CC-02		2/3/2004	SC	K38	0.25	0.5	Perc	ADWP1
Mag. Anomaly GGK41	SS05CC	05CC-03		2/3/2004	SC	K38	0.5	1	Perc	ADWP1
Mag. Anomaly GGK41	SS05CC	AS051	HC05CC1AAA	8/8/2001	SC	K38	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Mag. Anomaly GGK41	SS05CC	AS052	HC05CC1BAA	8/8/2001	SC	K38	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Mag. Anomaly GGK41	SS05CC	AS053	HC05CC1CAA	8/8/2001	SC	K38	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1

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J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
K38-BLP-001	SSJ1K38001	J1K38-BLP-001 (post)		11/9/2005	BLP_PB	K38	3	3.25	EXP, Perc	
K38-BLP-001	SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	BLP_STP	K38	0	3	EXP, Metals, Perc, SVOC	
150m Berm	CP05K	B05KAA	B05KAA	1/19/1998	SC	K39	0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
150m Berm	CP05K	B05KBA	B05KBA	3/11/1998	SC	K39	1.5	2	EXP, GENERAL, Herb, Metals, SVOC	FSP05
150m Berm	CP05K	B05KBAa	B05KBA	7/2/1998	SC	K39	1.5	2	VOC	FSP05
BIP Supplemental Sampling	J1200108	AS957	HDJ1200108SS9	9/21/2001	BIP_SS	K39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200108	AS958	HDJ1200108SS10	9/21/2001	BIP_SS	K39	0	0.25	EXP	BIP
BIP Post Excavation	J1A200108	19847		10/22/2004	BIP_PE	K39	1	1.25	EXP	BIP
BIP Post Excavation	J1A200108	19848		10/22/2004	BIP_PE	K39	1	1.25	EXP	BIP
BIP Post Excavation	J1A200108	19849		10/22/2004	BIP_PE	K39	1	1.25	EXP	BIP
BIP Supplemental Sampling	J1A200108	AS462	HDJ1A200108SS1	8/22/2001	BIP_SS	K39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200108	AS463	HDJ1A200108SS2	8/22/2001	BIP_SS	K39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200108	AS464	HDJ1A200108SS4	8/22/2001	BIP_SS	K39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200108	AS465	HDJ1A200108SS3	8/22/2001	BIP_SS	K39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200108	AS466	HDJ1A200108SS5	8/22/2001	BIP_SS	K39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200108	AS467	HDJ1A200108SS6	8/22/2001	BIP_SS	K39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200108	AS468	HDJ1A200108SS8	8/22/2001	BIP_SS	K39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200108	AS469	HDJ1A200108SS7	8/22/2001	BIP_SS	K39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200108	AS470	HDJ1A200108SS3D	8/22/2001	BIP_SS	K39	0	0.25	EXP	BIP
Post BIP	J1A200108	TT896	J1.A.2.00108.3.0	10/20/2000	BIP_POST	K39	1	1.25	EXP	BIP
150m Berm Stained Soil	SS05C	AS082	HD05C1AAA	8/30/2001	SC	K39	0	0.25	EXP, Metals, SVOC	FSP05
150m Berm	SS05K	AW076	HD05K1AAA	11/1/2001	SD	K39	0	0.5	VOC	FSP05
Cook-off Test Location	SS15141-A	05CO-01		1/29/2004	SC	K39	0	0.25	EXP, Perc, SVOC	SSWP
Cook-off Test Location	SS15141-A	05CO-02		1/29/2004	SC	K39	0.25	0.5	EXP, Perc, SVOC	SSWP
Cook-off Test Location	SS15141-A	05CO-02FD		1/29/2004	SC	K39	0.25	0.5	EXP, Perc, SVOC	SSWP
Cook-off Test Location	SS15141-A	05CO-03		1/29/2004	SC	K39	0.5	1	EXP, Perc, SVOC	SSWP
150m Berm	CP05L	B05LAA	B05LAA	1/20/1998	SC	K40	0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
150m Berm	CP05L	B05LBA	B05LBA	3/11/1998	SC	K40	1.5	2	EXP, GENERAL, Metals	FSP05
150m Berm	CP05L	B05LBAa	B05LBA	7/2/1998	SC	K40	1.5	2	VOC	FSP05
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.004.1.0		6/12/2002	BIP_PRE	K40	0	0.25	EXP, Metals, PCNs, Perc, SVOC, VOC	BIP
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.004.2.0		6/13/2002	BIP_POST	K40	1	1.25	EXP	BIP
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.004.3.0		6/13/2002	BIP_POST	K40	1	1.25	EXP, Metals, PCNs, Perc, SVOC, VOC	BIP
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.005.1.0		6/12/2002	BIP_PRE	K40	0	0.25	EXP, Metals, PCNs, Perc, SVOC, VOC	BIP
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.005.2.0		6/13/2002	BIP_POST	K40	1.5	1.75	EXP	BIP
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.005.3.0		6/13/2002	BIP_POST	K40	1.5	1.75	EXP, Metals, PCNs, Perc, SVOC, VOC	BIP
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.006.1.0		6/12/2002	BIP_PRE	K40	0	0.25	EXP, Metals, PCNs, Perc, SVOC, VOC	BIP
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.006.1.D		6/12/2002	BIP_PRE	K40	0	0.25	EXP, Metals, PCNs, Perc, SVOC, VOC	BIP
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.006.2.0		6/13/2002	BIP_POST	K40	0.25	0.5	EXP	BIP

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J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.006.3.0		6/13/2002	BIP_POST	K40	0.25	0.5	EXP, Metals, PCNs, Perc, SVOC, VOC	BIP
TT Polygon J1-44, Previously Investigated	J1 Polygon	J1.A.T14.006.3.D		6/13/2002	BIP_POST	K40	0.25	0.5	EXP, Metals, PCNs, Perc, SVOC, VOC	BIP
TT polygon J1-45, Previously Investigated	SS05CF	AS060	HC05CF1AAA	8/28/2001	SC	K40	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
TT polygon J1-45, Previously Investigated	SS05CF	AS061	HC05CF1AAD	8/28/2001	SC	K40	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
TT polygon J1-45, Previously Investigated	SS05CF	AS062	HC05CF1BAA	8/28/2001	SC	K40	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
TT polygon J1-45, Previously Investigated	SS05CF	AS063	HC05CF1CAA	8/28/2001	SC	K40	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Gen. Loc.	SS15138-A	05CFA-01		1/29/2004	SC	K40	0	0.25	EXP, SVOC	SSWP
Gen. Loc.	SS15138-A	05CFA-02		1/29/2004	SC	K40	0.25	0.5	EXP, SVOC	SSWP
Gen. Loc.	SS15138-A	05CFA-03		1/29/2004	SC	K40	0.5	1	EXP, SVOC	SSWP
TT polygon J1-45, Previously Investigated	SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	BIP_POST	K40	0	0.25	EXP, Metals, PCNs, SVOC	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	BIP_PRE	K40	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Post Excavation	SSJ1K40001	J1K40001_02_PE1		12/12/2006	BIP_PE	K40	0	0.25	EXP, Metals	BIP
BIP Post Excavation	SSJ1K40001	J1K40001_02_PE2		12/12/2006	BIP_PE	K40	0	0.25	EXP, Metals	BIP
BIP Post Excavation	SSJ1K40001	J1K40001_02_PE3		12/12/2006	BIP_PE	K40	0	0.25	EXP, Metals	BIP
BIP Post Excavation	SSJ1K40001	J1K40001_PE5		3/5/2007	BIP_PE	K40	2	2.25	Metals	BIP
BIP Post Excavation	SSJ1K40001	J1K40001_PE6		3/5/2007	BIP_PE	K40	2	2.25	Metals	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40001	SSJ1K40001-SS1		4/11/2006	BIP_SS	K40	0	0.25	EXP	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40001	SSJ1K40001-SS1-FD		4/11/2006	BIP_SS	K40	0	0.25	EXP	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40001	SSJ1K40001-SS2		4/11/2006	BIP_SS	K40	0	0.25	EXP	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40001	SSJ1K40001-SS3		4/11/2006	BIP_SS	K40	0	0.25	EXP	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40001	SSJ1K40001-SS4		4/11/2006	BIP_SS	K40	0	0.25	EXP	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40001	SSJ1K40001-SS5		4/11/2006	BIP_SS	K40	0	0.25	EXP	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40001	SSJ1K40001-SS6		4/11/2006	BIP_SS	K40	0	0.25	EXP	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40001	SSJ1K40001-SS7		4/11/2006	BIP_SS	K40	0	0.25	EXP	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40001	SSJ1K40001-SS8		4/11/2006	BIP_SS	K40	0	0.25	EXP	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	BIP_POST	K40	0	0.25	EXP, Metals, Perc, SVOC	BIP
TT polygon J1-45, Previously Investigated	SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	BIP_PRE	K40	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Supplemental Sampling	SSJ1K40002	SSJ1K40002-SS1		5/26/2006	BIP_SS	K40	0	0.2	EXP, Metals	BIP

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J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Supplemental Sampling	SSJ1K40002	SSJ1K40002-SS2		5/26/2006	BIP_SS	K40	0	0.2	EXP, Metals	BIP
BIP Supplemental Sampling	SSJ1K40002	SSJ1K40002-SS3		5/26/2006	BIP_SS	K40	0	0.2	EXP, Metals	BIP
BIP Supplemental Sampling	SSJ1K40002	SSJ1K40002-SS4		5/26/2006	BIP_SS	K40	0	0.2	EXP, Metals	BIP
BIP Supplemental Sampling	SSJ1K40002	SSJ1K40002-SS5		5/26/2006	BIP_SS	K40	0	0.2	EXP, Metals	BIP
BIP Supplemental Sampling	SSJ1K40002	SSJ1K40002-SS6		5/26/2006	BIP_SS	K40	0	0.2	EXP, Metals	BIP
BIP Supplemental Sampling	SSJ1K40002	SSJ1K40002-SS7		5/26/2006	BIP_SS	K40	0	0.2	EXP, Metals	BIP
BIP Supplemental Sampling	SSJ1K40002	SSJ1K40002-SS8		5/26/2006	BIP_SS	K40	0	0.2	EXP, Metals	BIP
J1 K4 Burial pit	SSJ1K40BLP001	J1K40BLP_D		3/29/2007	SD	K40	0	0.25	Dioxins, EXP, Metals, Perc, SVOC, VOC	
BIP Supplemental Sampling	AM030801-01	03604	HD03080101SS1	4/24/2003	BIP_SS	K41	0	0.25	Metals	BIP
BIP Supplemental Sampling	AM030801-01	03605	HD03080101SS2	4/24/2003	BIP_SS	K41	0	0.25	Metals	BIP
BIP Supplemental Sampling	AM030801-01	03606	HD03080101SS3	4/24/2003	BIP_SS	K41	0	0.25	Metals	BIP
BIP Supplemental Sampling	AM030801-01	03607	HD03080101SS4	4/24/2003	BIP_SS	K41	0	0.25	Metals	BIP
BIP Supplemental Sampling	AM030801-01	03608	HD03080101SS5	4/24/2003	BIP_SS	K41	0	0.25	Metals	BIP
BIP Supplemental Sampling	AM030801-01	03609	HD03080101SS6	4/24/2003	BIP_SS	K41	0	0.25	Metals	BIP
BIP Supplemental Sampling	AM030801-01	03610	HD03080101SS7	4/24/2003	BIP_SS	K41	0	0.25	Metals	BIP
BIP Supplemental Sampling	AM030801-01	03611	HD03080101SS8	4/24/2003	BIP_SS	K41	0	0.25	Metals	BIP
BIP	AM030801-01	AN739	HDA030801AA	3/16/2001	BIP	K41	0	0.25	EXP, Metals, SVOC, VOC	BIP
Gen Loc. GGL37	SS05CG	AS064	HC05CG1AAA	8/28/2001	SC	K41	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Gen Loc. GGL37	SS05CG	AS065	HC05CG1BAA	8/28/2001	SC	K41	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Gen Loc. GGL37	SS05CG	AS066	HC05CG1CAA	8/28/2001	SC	K41	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
TT polygon J1-48, Previously Investigated	SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	BIP_POST	K41	0	0.25	EXP, Metals, Perc, SVOC	BIP
TT polygon J1-48, Previously Investigated	SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	BIP_PRE	K41	0	0.25	EXP, Metals, Perc, SVOC	BIP
TT polygon J1-48, Previously Investigated	SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	BIP_POST	K41	0	0.25	EXP, Metals, Perc, SVOC	BIP
TT polygon J1-48, Previously Investigated	SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	BIP_PRE	K41	0	0.25	EXP, Metals, Perc, SVOC	BIP
Post BIP	SS02916-A	TT878	J1.A.2.00129.3.0	10/20/2000	BIP_POST	L33	0	0.5	EXP	BIP
1000 m Berm	CP05H	B05HAA	B05HAA	1/19/1998	SC	L34	0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSPTA
1000 m Berm	CP05H	B05HBA	B05HBA	3/10/1998	SC	L34	1.5	2	EXP, GENERAL, Metals	FSPTA
1000 m Berm	CP05H	B05HBAa	B05HBA	7/2/1998	SC	L34	1.5	2	VOC	FSPTA
Soil Borehole	MW-189	AW179	S189DCA	11/7/2001	SB	L34	10	12	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP2
Soil Borehole	MW-189	AW180	S189DDA	11/7/2001	SB	L34	20	22	EXP, GENERAL, Metals	ADWP2
1000 m Berm	SS05B	BG5BAA	BG5BAA	12/11/1997	SC	L35	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP05
1000 m Berm	SS05CL	05CL-01		3/30/2004	SC	L35	0	0.25	Perc	ADWP1
1000 m Berm	SS05CL	05CL-02		3/30/2004	SC	L35	0.25	0.5	Perc	ADWP1
1000 m Berm	SS05CL	05CL-03		3/30/2004	SC	L35	0.5	1	Perc	ADWP1
1000 m Berm	SS05CL	05CL-03FD		3/30/2004	SC	L35	0.5	1	Perc	ADWP1
1000 m Berm	SS05CL	AS079	HC05CL1AAA	8/30/2001	SC	L35	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
1000 m Berm	SS05CL	AS080	HC05CL1BAA	8/30/2001	SC	L35	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
1000 m Berm	SS05CL	AS081	HC05CL1CAA	8/30/2001	SC	L35	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Popper Kettle	SS05EBA	BC568	HC05EBA1AAA	4/29/2002	SC	L35	0	0.5	EXP, Metals, SVOC	ADWP2
Popper Kettle	SS05EBA	BC569	HC05EBA1BAA	4/29/2002	SC	L35	0.5	1	EXP, Metals, SVOC	ADWP2

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Popper Kettle	SS05EBA	BC570	HC05EBA1CAA	4/29/2002	SC	L35	1	2	EXP, Metals, SVOC	ADWP2
1000 m Berm	CP05I	05I-01		2/5/2004	SC	L36	0	0.25	Perc	SSWP
1000 m Berm	CP05I	05I-02		2/5/2004	SC	L36	0.25	0.5	Perc	SSWP
1000 m Berm	CP05I	05I-03		2/5/2004	SC	L36	0.5	1	Perc	SSWP
1000 m Berm	CP05I	B05IAA	B05IAA	1/19/1998	SC	L36	0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	ADWP1
1000 m Berm	CP05I	B05IBA	B05IBA	3/10/1998	SC	L36	1.5	2	EXP, GENERAL, Metals	ADWP1
1000 m Berm	CP05I	B05IBAa	B05IBA	7/2/1998	SC	L36	1.5	2	VOC	ADWP1
1,000m Berm	SS15143-A	05CR-01		3/24/2004	SC	L36	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	SSWP
1,000m Berm	SS15143-A	05CR-02		3/24/2004	SC	L36	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	SSWP
1,000m Berm	SS15143-A	05CR-03		3/24/2004	SC	L36	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Perc, Pest, SVOC, TOC, VOC	SSWP
Soil Borehole	BH-32	AW273	ABB0032AAA	11/14/2001	SB	L37	5	7	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Soil Borehole	BH-32	AW274	ABB0032BAA	11/14/2001	SB	L37	10	12	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Soil Borehole	BH-32	AW275	ABB0032BAD	11/14/2001	SB	L37	10	12	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Soil Borehole	BH-32	AW276	ABB0032CAA	11/15/2001	SB	L37	20	22	EPH, EXP, Metals, VPH	ADWP1
Soil Borehole	BH-32	AW287	AB0032PLMAAA	11/15/2001	SB	L37	106	108	EPH, VPH	ADWP1
Soil Borehole	BH-32	AW288	AB0032PLMBAA	11/15/2001	SB	L37	108	110	EPH, VPH	ADWP1
Cook-off Test Location	MW-191	AW292	S191DAA	11/9/2001	SB	L37	5	7	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP2
Cook-off Test Location	MW-191	AW293	S191DBA	11/9/2001	SB	L37	10	12	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP2
Cook-off Test Location	MW-191	AW294	S191DCA	11/9/2001	SB	L37	20	22	EPH, EXP, Metals, VPH	ADWP2
Cook-off Test Location	MW-191	AW303	S191PLMAAA	11/13/2001	SB	L37	106	108	EPH, VPH	ADWP2
Cook-off Test Location	MW-191	AW304	S191PLMBAA	11/13/2001	SB	L37	108	110	EPH, VPH	ADWP2
Gen Loc. GGL39	SS05CI	05CI-01		2/4/2004	SC	L37	0	0.25	Perc	ADWP1
Gen Loc. GGL39	SS05CI	05CI-02		2/4/2004	SC	L37	0.25	0.5	Perc	ADWP1
Gen Loc. GGL39	SS05CI	05CI-02FD		2/4/2004	SC	L37	0.25	0.5	Perc	ADWP1
Gen Loc. GGL39	SS05CI	05CI-03		2/4/2004	SC	L37	0.5	1	Perc	ADWP1
Gen Loc. GGL39	SS05CI	AS070	HC05CI1AAA	8/29/2001	SC	L37	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Gen Loc. GGL39	SS05CI	AS071	HC05CI1BAA	8/29/2001	SC	L37	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Gen Loc. GGL39	SS05CI	AS072	HC05CI1CAA	8/29/2001	SC	L37	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
High Pt. 1 - North of 1,000m berm	SS05CJ	AS073	HC05CJ1AAA	8/30/2001	SC	L37	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
High Pt. 1 - North of 1,000m berm	SS05CJ	AS074	HC05CJ1BAA	8/30/2001	SC	L37	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
High Pt. 1 - North of 1,000m berm	SS05CJ	AS075	HC05CJ1CAA	8/30/2001	SC	L37	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Cook-off Test Location	SS05DA	05DA-01		2/5/2004	SC	L37	0	0.25	Perc	ADWP1
Cook-off Test Location	SS05DA	05DA-02		2/5/2004	SC	L37	0.25	0.5	Perc	ADWP1
Cook-off Test Location	SS05DA	05DA-03		2/5/2004	SC	L37	0.5	1	Perc	ADWP1
Cook-off Test Location	SS05DA	AS811	HC05DA1AAA	9/20/2001	SC	L37	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Cook-off Test Location	SS05DA	AS812	HC05DA1BAA	9/20/2001	SC	L37	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Cook-off Test Location	SS05DA	AS813	HC05DA1CAA	9/20/2001	SC	L37	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Mag. Anomaly GGK40	SS05CB	05CB-01		2/3/2004	SC	L38	0	0.25	Perc	ADWP1
Mag. Anomaly GGK40	SS05CB	05CB-02		2/3/2004	SC	L38	0.25	0.5	Perc	ADWP1
Mag. Anomaly GGK40	SS05CB	05CB-03		2/3/2004	SC	L38	0.5	1	Perc	ADWP1
Mag. Anomaly GGK40	SS05CB	AS047	HC05CB1AAA	8/8/2001	SC	L38	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Mag. Anomaly GGK40	SS05CB	AS048	HC05CB1AAD	8/8/2001	SC	L38	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Mag. Anomaly GGK40	SS05CB	AS049	HC05CB1BAA	8/8/2001	SC	L38	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Mag. Anomaly GGK40	SS05CB	AS050	HC05CB1CAA	8/8/2001	SC	L38	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Soil Borehole	BH-31	AW100	ABB0031AAA	11/7/2001	SB	L39	5	7	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Soil Borehole	BH-31	AW101	ABB0031AAD	11/7/2001	SB	L39	5	7	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Soil Borehole	BH-31	AW102	ABB0031BAA	11/7/2001	SB	L39	10	12	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Soil Borehole	BH-31	AW103	ABB0031CAA	11/7/2001	SB	L39	20	22	EPH, EXP, Metals, VPH	ADWP1
Soil Borehole	BH-31	AW115	ABB0031PLMAAA	11/7/2001	SB	L39	108	110	EPH, VPH	ADWP1
Soil Borehole	BH-31	AW116	ABB0031PLMBAA	11/8/2001	SB	L39	110	112	EPH, VPH	ADWP1
Post BIP	SS03108-A	TU092	J1.A.3.00116.3.0	12/4/2000	BIP_POST	L39	0	0.25	EXP	BIP
Gen Loc. GGK36-37	SS05CD	05CD-01		2/4/2004	SC	L39	0	0.25	Perc	ADWP1
Gen Loc. GGK36-37	SS05CD	05CD-01FD		2/4/2004	SC	L39	0	0.25	Perc	ADWP1
Gen Loc. GGK36-37	SS05CD	05CD-02		2/4/2004	SC	L39	0.25	0.5	Perc	ADWP1
Gen Loc. GGK36-37	SS05CD	05CD-03		2/4/2004	SC	L39	0.5	1	Perc	ADWP1
Gen Loc. GGK36-37	SS05CD	AS054	HC05CD1AAA	8/29/2001	SC	L39	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Gen Loc. GGK36-37	SS05CD	AS055	HC05CD1BAA	8/29/2001	SC	L39	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Gen Loc. GGK36-37	SS05CD	AS056	HC05CD1CAA	8/29/2001	SC	L39	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Gen Loc. GGK37	SS05CE	05CE-01		2/5/2004	SC	L39	0	0.25	Perc	ADWP1
Gen Loc. GGK37	SS05CE	05CE-02		2/5/2004	SC	L39	0.25	0.5	Perc	ADWP1
Gen Loc. GGK37	SS05CE	05CE-03		2/5/2004	SC	L39	0.5	1	Perc	ADWP1
Gen Loc. GGK37	SS05CE	AS057	HC05CE1AAA	8/29/2001	SC	L39	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Gen Loc. GGK37	SS05CE	AS058	HC05CE1BAA	8/29/2001	SC	L39	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Gen Loc. GGK37	SS05CE	AS059	HC05CE1CAA	8/29/2001	SC	L39	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Trench	CP05M	B05MAA	B05MAA	1/20/1998	SC	L41	0	0.5	``	FSP05
Trench	CP05M	B05MBA	B05MBA	3/11/1998	SC	L41	1.5	2	GENERAL, Metals	FSP05
Trench	CP05M	B05MBAa	B05MBA	7/2/1998	SC	L41	1.5	2	VOC	FSP05
Post BIP	SS02735-A	TU112	J1.A.1.00001.3.0	12/11/2000	BIP_POST	M37	0	0.25	EXP	BIP
Post BIP	SS02957-A	TU111	J1.A.2.00170.3.0	12/11/2000	BIP_POST	M37	1	1.25	EXP	BIP
Soil Composite	SS05BG	SS05BG_A		2/28/2007	SC	M37	0	0.25	EXP	RR
Soil Composite	SS05BG	SS05BG_B		2/28/2007	SC	M37	0.25	0.5	EXP	RR
Soil Composite	SS05BG	SS05BG_C		2/28/2007	SC	M37	0.5	1	EXP	RR
Pre BIP	SS02990-A	TE857	J1.F.3.00001.1.0	8/16/2001	BIP_PRE	M38	1	1.25	EXP, Metals, PCBs, Pest, RCRA, SVOC, VOC	BIP
Tank Parts/Mag. Anomaly	SS05BA	AS040	HC05BA1AAA	8/8/2001	SC	M38	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Tank Parts/Mag. Anomaly	SS05BA	AS041	HC05BA1BAA	8/8/2001	SC	M38	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Tank Parts/Mag. Anomaly	SS05BA	AS042	HC05BA1CAA	8/8/2001	SC	M38	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Tank Parts/Mag. Anomaly	SS05BB	AS294	HC05BB1BAA	8/16/2001	SC	M38	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Tank Parts/Mag. Anomaly	SS05BC	AS296	HC05BC1BAA	8/16/2001	SC	M38	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Tank Magnetic Anomaly	SS05BD	AS036	HC05BD1AAA	8/8/2001	SC	M38	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Tank Magnetic Anomaly	SS05BD	AS037	HC05BD1AAD	8/8/2001	SC	M38	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Tank Magnetic Anomaly	SS05BD	AS038	HC05BD1BAA	8/8/2001	SC	M38	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Tank Magnetic Anomaly	SS05BD	AS039	HC05BD1CAA	8/8/2001	SC	M38	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Tank Magnetic Anomaly	SS05BE	AS293	HC05BE1BAA	8/14/2001	SC	M38	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Tank Magnetic Anomaly	SS05BF	AS295	HC05BF1BAA	8/14/2001	SC	M38	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Partially Buried APV	SS05CA	AS043	HC05CA1AAA	8/17/2001	SC	M39	0	0.25	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Partially Buried APV	SS05CA	AS044	HC05CA1BAA	8/17/2001	SC	M39	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Partially Buried APV	SS05CA	AS045	HC05CA1BAD	8/17/2001	SC	M39	0.25	0.5	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Partially Buried APV	SS05CA	AS046	HC05CA1CAA	8/17/2001	SC	M39	0.5	1	EPH, EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC, VPH	ADWP1
Post BIP	SS02747-A	TU113	J1.A.1.00013.3.0	12/11/2000	BIP_POST	M40	0	0.75	EXP	BIP
Post BIP	SS02747-A	TU114	J1.A.1.00013.3.D	12/11/2000	BIP_POST	M40	0	0.75	EXP	BIP
Popper Kettle	CP05CB	BC5BAA	BC5BAA	4/27/1998	SC		0	0.5	GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	ADWP2
Steel Lined Pit	CP05CP	BC5PAA	BC5PAA	8/6/1998	SC		0	0.5	EXP, GENERAL, Metals	FSP05
Popper Kettle	CP05CA	BC5AAA	BC5AAA	1/20/1998	SC	K35	0	0.5	GENERAL, Herb, Metals, Pest, SVOC, VOC	ADWP2
L44-BLP-001 (Burial Pit)	SSJ1L44BLP01	J1APA44BLP01_PE		7/26/2007	BLP_PE	L44	0	0.25	EXP, Metals, Perc, SVOC	APA
Post BIP	SSJ1G36001	ECC072407J1SUP01 (post)		7/26/2007	BIP_POST	36	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1G36001	ECC072407J1SUP01 (pre)		7/26/2007	BIP_PRE	36	0	0.25	EXP, Metals, Perc, SVOC	BIP
Post BIP	SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	BIP_POST	36	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	BIP_PRE	36	0	0.25	EXP, Metals, SVOC	BIP
Post BIP	SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	BIP_POST	37	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	BIP_PRE	37	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Post BIP	SSJ1G37002	ECC072507J1SUP01 (post)		8/2/2007	BIP_POST	37	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1G37002	ECC072507J1SUP01 (pre)		8/1/2007	BIP_PRE	37	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Post Excavation	J1300042	19853		10/21/2004	BIP_PE	I30	1	1.25	EXP	BIP
BIP Post Excavation	J1300042	19854		10/21/2004	BIP_PE	I30	1	1.25	EXP	BIP
BIP Post Excavation	J1300042	19855		10/21/2004	BIP_PE	I30	1	1.25	EXP	BIP
BIP Post Excavation	J1300042	19856		10/21/2004	BIP_PE	I30	1	1.25	EXP	BIP
BIP Supplemental Sampling	J1300042	AS968	HDJ1300042SS1	9/24/2001	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300042	AS969	HDJ1300042SS2	9/24/2001	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300042	AS970	HDJ1300042SS3	9/24/2001	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300042	AS971	HDJ1300042SS4	9/24/2001	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300042	AS972	HDJ1300042SS4D	9/24/2001	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300042	AS973	HDJ1300042SS5	9/24/2001	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300042	AS974	HDJ1300042SS6	9/24/2001	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300042	AS975	HDJ1300042SS7	9/24/2001	BIP_SS	I30	0	0.25	EXP	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Supplemental Sampling	J1300042	AS976	HDJ1300042SS8	9/24/2001	BIP_SS	I30	0	0.25	EXP	BIP
Post BIP	SS02911-A	TT884	J1.A.2.00124.3.0	10/20/2000	BIP_POST	I30	1	1.25	EXP	BIP
Post BIP	SSJ1I30001	ECC072005J101 (post)		7/28/2005	BIP_POST	I30	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1I30001	ECC072005J101 (pre)		7/27/2005	BIP_PRE	I30	0	0.25	EXP, Metals, Perc, SVOC	BIP
Post BIP	SSJ1I30002	ECC072005J102 (post)		7/28/2005	BIP_POST	I30	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1I30002	ECC072005J102 (pre)		7/27/2005	BIP_PRE	I30	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Post Excavation	SSJ1I30002	J1I30002_PE1		9/12/2006	BIP_PE	I30	0	0.25	Metals	BIP
BIP Post Excavation	SSJ1I30002	J1I30002_PE2		9/12/2006	BIP_PE	I30	0	0.25	Metals	BIP
BIP Post Excavation	SSJ1I30002	J1I30002_PE3		9/12/2006	BIP_PE	I30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1I30002	SSJ1I30002-SS1		5/26/2006	BIP_SS	I30	0	0.2	Metals	BIP
BIP Supplemental Sampling	SSJ1I30002	SSJ1I30002-SS2		5/26/2006	BIP_SS	I30	0	0.2	Metals	BIP
BIP Supplemental Sampling	SSJ1I30002	SSJ1I30002-SS3		5/26/2006	BIP_SS	I30	0	0.2	Metals	BIP
BIP Supplemental Sampling	SSJ1I30002	SSJ1I30002-SS4		5/26/2006	BIP_SS	I30	0	0.2	Metals	BIP
BIP Supplemental Sampling	SSJ1I30002	SSJ1I30002-SS5		5/26/2006	BIP_SS	I30	0	0.2	Metals	BIP
BIP Supplemental Sampling	SSJ1I30002	SSJ1I30002-SS6		5/26/2006	BIP_SS	I30	0	0.2	Metals	BIP
BIP Supplemental Sampling	SSJ1I30002	SSJ1I30002-SS7		5/26/2006	BIP_SS	I30	0	0.2	Metals	BIP
BIP Supplemental Sampling	SSJ1I30002	SSJ1I30002-SS8		5/26/2006	BIP_SS	I30	0	0.2	Metals	BIP
Post BIP	SSJ1I30003	ECC072005J103 (post)		7/28/2005	BIP_POST	I30	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1I30003	ECC072005J103 (pre)		7/27/2005	BIP_PRE	I30	0	0.25	EXP, Metals, Perc, SVOC	BIP
Post BIP	SSJ1I30004	ECC072105J101 (post)		7/28/2005	BIP_POST	I30	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1I30004	ECC072105J101 (pre)		7/27/2005	BIP_PRE	I30	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Post Excavation	SSJ1I30004	SSJ1I30004-PE1		6/23/2006	BIP_PE	I30	0	0.2	EXP	BIP
BIP Post Excavation	SSJ1I30004	SSJ1I30004-PE2		6/23/2006	BIP_PE	I30	0	0.2	EXP	BIP
BIP Post Excavation	SSJ1I30004	SSJ1I30004-PE3		6/23/2006	BIP_PE	I30	0	0.2	EXP	BIP
BIP Supplemental Sampling	SSJ1I30004	SSJ1I30004-SS1		4/11/2006	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1I30004	SSJ1I30004-SS2		4/11/2006	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1I30004	SSJ1I30004-SS3		4/11/2006	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1I30004	SSJ1I30004-SS4		4/11/2006	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1I30004	SSJ1I30004-SS5		4/11/2006	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1I30004	SSJ1I30004-SS6		4/11/2006	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1I30004	SSJ1I30004-SS7		4/11/2006	BIP_SS	I30	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1I30004	SSJ1I30004-SS8		4/11/2006	BIP_SS	I30	0	0.25	EXP	BIP
BIP Post Excavation	J1300071	19857		10/21/2004	BIP_PE	I31	1	1.25	EXP	BIP
BIP Post Excavation	J1300071	19858		10/21/2004	BIP_PE	I31	1	1.25	EXP	BIP
BIP Post Excavation	J1300071	19859		10/21/2004	BIP_PE	I31	1	1.25	EXP	BIP
BIP Supplemental Sampling	J1300071	AS959	HDJ1300071SS1	9/24/2001	BIP_SS	I31	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300071	AS960	HDJ1300071SS2	9/24/2001	BIP_SS	I31	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300071	AS961	HDJ1300071SS3	9/24/2001	BIP_SS	I31	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300071	AS962	HDJ1300071SS4	9/24/2001	BIP_SS	I31	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300071	AS963	HDJ1300071SS4D	9/24/2001	BIP_SS	I31	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300071	AS964	HDJ1300071SS5	9/24/2001	BIP_SS	I31	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300071	AS965	HDJ1300071SS6	9/24/2001	BIP_SS	I31	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300071	AS966	HDJ1300071SS7	9/24/2001	BIP_SS	I31	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300071	AS967	HDJ1300071SS8	9/24/2001	BIP_SS	I31	0	0.25	EXP	BIP
Discrimination Analysis Target	SSJ1I31	J1I31-A		7/15/2005	SC	I31	0	0.25	EXP, Perc	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Discrimination Analysis Target	SSJ1I31	J1I31-B		7/15/2005	SC	I31	0.25	0.5	EXP, Perc	BIP
Discrimination Analysis Target	SSJ1I31	J1I31-C		7/15/2005	SC	I31	0.5	1	EXP, Perc	BIP
Post BIP	SS03003-A	TT962	J1.A.3.00012.3.0	11/6/2000	BIP_POST	I35	0	0.75	EXP	BIP
Post BIP	SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	BIP_POST	J30	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1RD014	ECC050304J103 (pre)		5/6/2004	BIP_PRE	J30	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Post Excavation	SSJ1RD014	J1RD014_PE1		10/4/2006	BIP_PE	J30	0	0.25	Metals	BIP
BIP Post Excavation	SSJ1RD014	J1RD014_PE2		10/4/2006	BIP_PE	J30	0	0.25	Metals	BIP
BIP Post Excavation	SSJ1RD014	J1RD014_PE3		10/4/2006	BIP_PE	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD014	SSJ1RD014-SS1		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD014	SSJ1RD014-SS2		4/12/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD014	SSJ1RD014-SS3		4/12/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD014	SSJ1RD014-SS4		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD014	SSJ1RD014-SS5		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD014	SSJ1RD014-SS7		4/12/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD014	SSJ1RD014-SS8		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
Post BIP	SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	BIP_POST	J30	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SSJ1RD017	ECC051204J102 (pre)		5/20/2004	BIP_PRE	J30	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Post Excavation	SSJ1RD017	J1RD017_PE1		10/4/2006	BIP_PE	J30	0	0.25	Metals	BIP
BIP Post Excavation	SSJ1RD017	J1RD017_PE2		10/4/2006	BIP_PE	J30	0	0.25	Metals	BIP
BIP Post Excavation	SSJ1RD017	J1RD017_PE3		10/4/2006	BIP_PE	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD017	SSJ1RD017-SS1		4/12/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD017	SSJ1RD017-SS2		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD017	SSJ1RD017-SS2FD		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD017	SSJ1RD017-SS3		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD017	SSJ1RD017-SS3FD		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD017	SSJ1RD017-SS4		4/12/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD017	SSJ1RD017-SS5		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD017	SSJ1RD017-SS6		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD017	SSJ1RD017-SS7		4/11/2005	BIP_SS	J30	0	0.25	Metals	BIP
Post BIP	SSJRANGEF	AD589	HDJRANGEF	9/30/1999	BIP_POST	J30	0	0.25	EXP, Metals, SVOC, VOC	BIP
Pre BIP	SS02793-A	TT469	J1.A.2.00007.1.0	9/1/2000	BIP_PRE	J31	0	0.25	EXP	BIP
Post BIP	SS02793-A	TT470	J1.A.2.00007.2.0	9/1/2000	BIP_POST	J31	0	0.25	EXP, Metals, SVOC, VOC	BIP
Pre BIP	SS02794-A	TT471	J1.A.2.00008.1.0	9/1/2000	BIP_PRE	J31	0	0.75	EXP	BIP
Post BIP	SS02794-A	TT472	J1.A.2.00008.2.0	9/1/2000	BIP_POST	J31	0	0.75	EXP, Metals, SVOC, VOC	BIP
Post BIP	SS02795-A	TT473	J1.A.2.00009.3.0	9/1/2000	BIP_POST	J31	0	0.25	EXP	BIP
Post BIP	SS02904-A	TT895	J1.A.2.00117.3.0	10/20/2000	BIP_POST	J31	1	1.25	EXP	BIP
Post BIP	SS02901-A	TT892	J1.A.2.00114.3.0	10/20/2000	BIP_POST	J32	0	1	EXP	BIP
Post BIP	SS02903-A	TT893	J1.A.2.00116.3.0	10/20/2000	BIP_POST	J32	0	0.5	EXP	BIP
Post BIP	SS02903-A	TT894	J1.A.2.00116.3.D	10/20/2000	BIP_POST	J32	0	0.5	EXP	BIP
Post BIP	SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	BIP_POST	J32	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1RD010	ECC043004J101 (pre)		5/6/2004	BIP_PRE	J32	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Post Excavation	SSJ1RD010	J1RD010_PE1		10/4/2006	BIP_PE	J32	0	0.25	Metals	BIP
BIP Post Excavation	SSJ1RD010	J1RD010_PE2		10/4/2006	BIP_PE	J32	0	0.25	Metals	BIP
BIP Post Excavation	SSJ1RD010	J1RD010_PE3		10/4/2006	BIP_PE	J32	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD010	SSJ1RD010-SS1		4/11/2005	BIP_SS	J32	0	0.25	Metals	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Supplemental Sampling	SSJ1RD010	SSJ1RD010-SS2		4/11/2005	BIP_SS	J32	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD010	SSJ1RD010-SS3		4/11/2005	BIP_SS	J32	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD010	SSJ1RD010-SS4		4/11/2005	BIP_SS	J32	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD010	SSJ1RD010-SS5		4/11/2005	BIP_SS	J32	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD010	SSJ1RD010-SS6		4/11/2005	BIP_SS	J32	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD010	SSJ1RD010-SS7		4/11/2005	BIP_SS	J32	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1RD010	SSJ1RD010-SS8		4/11/2005	BIP_SS	J32	0	0.25	Metals	BIP
Post BIP	SSJRANGEG	AD590	HDJRANGEG	9/30/1999	BIP_POST	J32	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post BIP	SS02797-A	TT474	J1.A.2.00011.3.0	9/1/2000	BIP_POST	J33	0	0.75	EXP	BIP
Post BIP	SSJ1RD016	ECC051204J101 (post_c)		5/20/2004	BIP_POST	J34	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SSJ1RD016	ECC051204J101 (pre)		5/20/2004	BIP_PRE	J34	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	BIP_SS	J39	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEI	03613	HDJRANGEISS2	4/24/2003	BIP_SS	J39	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEI	03614	HDJRANGEISS3	4/24/2003	BIP_SS	J39	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEI	03615	HDJRANGEISS4	4/24/2003	BIP_SS	J39	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	BIP_SS	J39	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEI	03617	HDJRANGEISS6	4/24/2003	BIP_SS	J39	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEI	03618	HDJRANGEISS7	4/24/2003	BIP_SS	J39	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEI	03619	HDJRANGEISS8	4/24/2003	BIP_SS	J39	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJRANGEI	03620	HDJRANGEISS8D	4/24/2003	BIP_SS	J39	0	0.25	Metals	BIP
BIP Post Excavation	SSJRANGEI	15196		5/20/2004	BIP_PE	J39	1	1.25	Metals	BIP
BIP Post Excavation	SSJRANGEI	15197		5/20/2004	BIP_PE	J39	1	1.25	Metals	BIP
Post BIP	SSJRANGEI	AD592	HDJRANGEI	9/30/1999	BIP_POST	J39	0	0.25	EXP, Metals, SVOC, VOC	BIP
BIP Post Excavation	SSJRANGEI	JRANGEI_PE1		9/8/2006	BIP_PE	J39	0	0.25	Metals	BIP
BIP Post Excavation	SSJRANGEI	JRANGEI_PE2		9/8/2006	BIP_PE	J39	0	0.25	Metals	BIP
BIP Post Excavation	SSJRANGEI	JRANGEI_PE3		9/8/2006	BIP_PE	J39	0	0.25	Metals	BIP
Post BIP	SSJ1J40001	ECC032707J1SUP01 (post)		4/3/2007	BIP_POST	J40	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1J40001	ECC032707J1SUP01 (pre)		4/3/2007	BIP_PRE	J40	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1J40001	J1J40001_SS1		7/16/2007	BIP_SS	J40	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1J40001	J1J40001_SS2		7/16/2007	BIP_SS	J40	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1J40001	J1J40001_SS3		7/16/2007	BIP_SS	J40	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1J40001	J1J40001_SS4		7/16/2007	BIP_SS	J40	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1J40001	J1J40001_SS5		7/16/2007	BIP_SS	J40	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1J40001	J1J40001_SS6		7/16/2007	BIP_SS	J40	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1J40001	J1J40001_SS7		7/16/2007	BIP_SS	J40	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1J40001	J1J40001_SS8		7/16/2007	BIP_SS	J40	0	0.25	Metals	BIP
Post BIP	SS02900-A	TT891	J1.A.2.00113.3.0	10/20/2000	BIP_POST	K30	0	0.75	EXP	BIP
Post BIP	SS02899-A	TT890	J1.A.2.00112.3.0	10/20/2000	BIP_POST	K31	1	1.25	EXP	BIP
Post BIP	SS02909-A	TT888	J1.A.2.00122.3.0	10/20/2000	BIP_POST	K31	0	0.25	EXP	BIP
Post BIP	SS02912-A	TT882	J1.A.2.00125.3.0	10/20/2000	BIP_POST	K32	0	0.5	EXP	BIP
Post BIP	SS02912-A	TT883	J1.A.2.00125.3.D	10/20/2000	BIP_POST	K32	0	0.5	EXP	BIP
Post BIP	SSJ1RD012	ECC050304J101 (post_c)		5/6/2004	BIP_POST	K32	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1RD012	ECC050304J101 (pre)		5/6/2004	BIP_PRE	K32	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Post BIP	SSJ1RD013	ECC050304J102 (post_c)		5/6/2004	BIP_POST	K32	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1RD013	ECC050304J102 (pre)		5/6/2004	BIP_PRE	K32	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Post BIP	SS02898-A	TT889	J1.A.2.00111.3.0	10/20/2000	BIP_POST	K33	0	1	EXP	BIP
Post BIP	SSJ1K34001	ECC072205J101 (post)		7/27/2005	BIP_POST	K34	0	0.2	EXP, Metals, Perc, SVOC	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Pre BIP	SSJ1K34001	ECC072205J101 (pre)		7/28/2005	BIP_PRE	K34	0	0.2	EXP, Metals, Perc, SVOC	BIP
BIP Post Excavation	SSJ1K41001	J1K41001_PE1		12/12/2006	BIP_PE	K41	0	0.25	EXP	BIP
BIP Post Excavation	SSJ1K41001	J1K41001_PE2		12/12/2006	BIP_PE	K41	0	0.25	EXP	BIP
BIP Post Excavation	SSJ1K41001	J1K41001_PE3		12/12/2006	BIP_PE	K41	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSJ1K41001	SSJ1K40001-SS1		6/23/2006	BIP_SS	K41	0	0.2	EXP	BIP
BIP Supplemental Sampling	SSJ1K41001	SSJ1K40001-SS2		6/23/2006	BIP_SS	K41	0	0.2	EXP	BIP
BIP Supplemental Sampling	SSJ1K41001	SSJ1K40001-SS3		6/23/2006	BIP_SS	K41	0	0.2	EXP	BIP
BIP Supplemental Sampling	SSJ1K41001	SSJ1K40001-SS4		6/23/2006	BIP_SS	K41	0	0.2	EXP	BIP
BIP Supplemental Sampling	SSJ1K41001	SSJ1K40001-SS5		6/23/2006	BIP_SS	K41	0	0.2	EXP	BIP
BIP Supplemental Sampling	SSJ1K41001	SSJ1K40001-SS6		6/23/2006	BIP_SS	K41	0	0.2	EXP	BIP
BIP Supplemental Sampling	SSJ1K41001	SSJ1K40001-SS7		6/23/2006	BIP_SS	K41	0	0.2	EXP	BIP
BIP Supplemental Sampling	SSJ1K41001	SSJ1K40001-SS8		6/23/2006	BIP_SS	K41	0	0.2	EXP	BIP
Post BIP	SS02992-A	TE858	J1.F.3.00001.2.0	8/16/2001	BIP_POST	L38	1	1.25	EXP, Metals, PCBs, Pest, RCRA, SVOC, VOC	BIP
BIP Post Excavation	J1A100043	19843		10/22/2004	BIP_PE	M39	1	1.25	EXP	BIP
BIP Post Excavation	J1A100043	19844		10/22/2004	BIP_PE	M39	1	1.25	EXP	BIP
BIP Post Excavation	J1A100043	19845		10/22/2004	BIP_PE	M39	1	1.25	EXP	BIP
BIP Post Excavation	J1A100043	19846		10/22/2004	BIP_PE	M39	1	1.25	EXP	BIP
BIP Supplemental Sampling	J1A100043	AS524	HDJ1A100043SS1	8/22/2001	BIP_SS	M39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A100043	AS525	HDJ1A100043SS2	8/22/2001	BIP_SS	M39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A100043	AS526	HDJ1A100043SS4	8/22/2001	BIP_SS	M39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A100043	AS527	HDJ1A100043SS3	8/22/2001	BIP_SS	M39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A100043	AS528	HDJ1A100043SS5	8/22/2001	BIP_SS	M39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A100043	AS529	HDJ1A100043SS6	8/22/2001	BIP_SS	M39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A100043	AS530	HDJ1A100043SS8	8/22/2001	BIP_SS	M39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A100043	AS531	HDJ1A100043SS7	8/22/2001	BIP_SS	M39	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A100043	AS532	HDJ1A100043SS6D	8/22/2001	BIP_SS	M39	0	0.25	EXP	BIP
Pre BIP	SS02777-A	TU140	J1.A.1.00043.1.0	12/28/2000	BIP_PRE	M39	0	0.75	EXP	BIP
Post BIP	SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	BIP_POST	M39	0	0.75	EXP, Metals, SVOC, VOC	BIP
Post BIP	SS02781-A	TU148	J1.A.1.00047.3.0	1/8/2001	BIP_POST	M39	0	0.75	EXP	BIP
Rows 45 to 64										
Soil Borehole	MW-126	AJ362	S126DCA	9/13/2000	SB	I48	10	12	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Soil Borehole	MW-126	AJ363	S126DDA	9/14/2000	SB	I48	20	22	EXP, GENERAL, Metals, TOC	ADWP1
Soil Borehole	MW-126	AJ364	S126DEA	9/14/2000	SB	I48	30	32	GENERAL, Metals, TOC	ADWP1
Soil Borehole	MW-126	AJ365	S126DFA	9/14/2000	SB	I48	40	42	GENERAL, Metals, TOC	ADWP1
Soil Borehole	MW-126	AJ366	S126DGA	9/14/2000	SB	I48	50	52	GENERAL, Metals, TOC	ADWP1
Soil Borehole	MW-126	AJ368	S126DIA	9/14/2000	SB	I48	70	72	GENERAL, Metals, TOC	ADWP1
Soil Borehole	MW-126	AJ369	S126DJA	9/14/2000	SB	I48	80	82	GENERAL, Metals, TOC	ADWP1
Soil Borehole	MW-126	AJ370	S126DKA	9/14/2000	SB	I48	90	92	GENERAL, Metals, TOC	ADWP1
Soil Borehole	MW-126	AJ371	S126DLA	9/15/2000	SB	I48	100	102	GENERAL, Metals, TOC	ADWP1
Soil Borehole	MW-126	AL199	S126DAA	10/25/2000	SB	I48	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	ADWP1
Soil Borehole	MW-126	AL200	S126DBA	10/25/2000	SB	I48	1.5	2	EXP, GENERAL, Metals, TOC	ADWP1
Soil Borehole	MW-06	S06DAA	S06DAA	8/20/1997	SB	K49	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
Soil Borehole	MW-06	S06DAD	S06DAD	8/20/1997	SB	K49	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
Soil Borehole	MW-06	S06DBA	S06DBA	11/20/1997	SB	K49	1.5	2	GENERAL, Metals	FSP04
Soil Borehole	MW-06	S06DCA	S06DCA	9/23/1997	SB	K49	10	12	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
Soil Borehole	MW-06	S06DDA	S06DDA	9/23/1997	SB	K49	25	27	EXP, GENERAL, Metals	FSP04
Soil Borehole	MW-06	S06DEA	S06DEA	9/23/1997	SB	K49	34	36	GENERAL, Metals	FSP04

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Soil Borehole	MW-06	S06DFA	S06DFA	9/23/1997	SB	K49	48	50	GENERAL, Metals	FSP04
Soil Borehole	MW-06	S06DGA	S06DGA	9/23/1997	SB	K49	54	56	GENERAL, Metals	FSP04
Soil Borehole	MW-06	S06DHA	S06DHA	9/23/1997	SB	K49	67	69	GENERAL, Metals	FSP04
Soil Borehole	MW-06	S06DIA	S06DIA	9/23/1997	SB	K49	74	76	GENERAL, Metals	FSP04
Soil Borehole	MW-06	S06DJA	S06DJA	9/24/1997	SB	K49	87	89	GENERAL, Metals	FSP04
Soil Borehole	MW-06	S06DKA	S06DKA	9/24/1997	SB	K49	94	96	GENERAL, Metals	FSP04
Soil Borehole	MW-06	S06DLA	S06DLA	9/24/1997	SB	K49	107	109	GENERAL, Metals	FSP04
Soil Borehole	MW-06	S06DMA	S06DMA	9/24/1997	SB	K49	114	116	GENERAL, Metals	FSP04
Pre BIP	SS15110-A	ECC102303J1P2202		10/30/2003	BIP_PRE	51	0	0.25	Perc	BIP
Post BIP	SS15110-A	ECC102303J1P2202 (post)		10/30/2003	BIP_POST	51	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	BIP_PRE	51	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Post Excavation	SS15110-A	SS15110-A-PE1		5/23/2006	BIP_PE	51	1	1.25	EXP	BIP
BIP Post Excavation	SS15110-A	SS15110-A-PE2		5/23/2006	BIP_PE	51	1	1.25	EXP	BIP
BIP Post Excavation	SS15110-A	SS15110-A-PE3		5/23/2006	BIP_PE	51	1	1.25	EXP	BIP
BIP Supplemental Sampling	SS15110-A	SS15110-SS1		4/13/2005	BIP_SS	51	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15110-A	SS15110-SS2		4/13/2005	BIP_SS	51	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15110-A	SS15110-SS3		4/13/2005	BIP_SS	51	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15110-A	SS15110-SS4		4/13/2005	BIP_SS	51	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15110-A	SS15110-SS5		4/13/2005	BIP_SS	51	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15110-A	SS15110-SS6		4/13/2005	BIP_SS	51	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15110-A	SS15110-SS7		4/13/2005	BIP_SS	51	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15110-A	SS15110-SS8		4/13/2005	BIP_SS	51	0	0.25	EXP	BIP
Post BIP	SS15111-A	ECC102303J1P2203 (post)-2		10/30/2003	BIP_POST	52	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SS15111-A	ECC102303J1P2203 (pre)		10/30/2003	BIP_PRE	52	0	0.25	PCNs, Perc	BIP
Pre BIP	SS15111-A	ECC102303J1P2203 (pre)-1		10/30/2003	BIP_PRE	52	0	0.25	EXP, Metals, SVOC	BIP
Post BIP	SS15112-A	ECC102303J1P2204 (post)		10/30/2003	BIP_POST	52	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SS15112-A	ECC102303J1P2204 (pre)		10/30/2003	BIP_PRE	52	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Post BIP	SS15113-A	ECC102703J1P2201 (post)-2		10/30/2003	BIP_POST	52	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SS15113-A	ECC102703J1P2201 (pre)		10/30/2003	BIP_PRE	52	0	0.25	PCNs, Perc	BIP
Pre BIP	SS15113-A	ECC102703J1P2201 (pre)-1		10/30/2003	BIP_PRE	52	0	0.25	EXP, Metals, SVOC	BIP
Post BIP	SS15114-A	ECC102703J1P2202 (post)		10/30/2003	BIP_POST	52	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SS15114-A	ECC102703J1P2202 (pre)		10/30/2003	BIP_PRE	52	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Post BIP	SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	BIP_POST	52	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SS15122-A	ECC102403J1P2201 (pre)		10/30/2003	BIP_PRE	52	0	0.25	PCNs, Perc	BIP
Pre BIP	SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	BIP_PRE	52	0	0.25	EXP, Metals, SVOC	BIP
BIP Post Excavation	SS15122-A	SS15122A_PE1		12/12/2006	BIP_PE	52	0	0.25	Metals	BIP
BIP Post Excavation	SS15122-A	SS15122A_PE2		12/12/2006	BIP_PE	52	0	0.25	Metals	BIP
BIP Post Excavation	SS15122-A	SS15122A_PE3		12/12/2006	BIP_PE	52	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15122-A	SS15122A_SS1		11/1/2006	BIP_SS	52	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15122-A	SS15122A_SS2		11/1/2006	BIP_SS	52	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15122-A	SS15122A_SS3		11/1/2006	BIP_SS	52	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15122-A	SS15122A_SS4		11/1/2006	BIP_SS	52	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15122-A	SS15122A_SS5		11/1/2006	BIP_SS	52	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15122-A	SS15122A_SS6		11/1/2006	BIP_SS	52	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15122-A	SS15122A_SS7		11/1/2006	BIP_SS	52	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15122-A	SS15122A_SS8		11/1/2006	BIP_SS	52	0	0.25	Metals	BIP
Post BIP	SSA02270201	AY717	HCA02270201AA	3/8/2002	BIP_POST	63	0	0.25	EXP	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Post BIP	SSA02270201	AY718	HDA02270201AA	3/8/2002	BIP_POST	63	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post BIP	SS02803-A	TT477	J1.A.2.00016.3.0	9/1/2000	BIP_POST	J45	0	0.5	EXP	BIP
Post BIP	SS02804-A	TT478	J1.A.2.00017.3.0	9/1/2000	BIP_POST	J46	0	0.5	EXP	BIP
Post BIP	SS15092-A	ECC100803J1R01 (post)		10/15/2003	BIP_POST	J48	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SS15092-A	ECC100803J1R01 (pre)		10/15/2003	BIP_PRE	J48	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
BIP Post Excavation	SS15092-A	SS15092-A-PE1		5/19/2006	BIP_PE	J48	1	1.25	EXP	BIP
BIP Post Excavation	SS15092-A	SS15092-A-PE2		5/19/2006	BIP_PE	J48	1	1.25	EXP	BIP
BIP Post Excavation	SS15092-A	SS15092-A-PE3		5/19/2006	BIP_PE	J48	1	1.25	EXP	BIP
BIP Supplemental Sampling	SS15092-A	SS15092-SS1		4/12/2005	BIP_SS	J48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15092-A	SS15092-SS2		4/12/2005	BIP_SS	J48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15092-A	SS15092-SS3		4/12/2005	BIP_SS	J48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15092-A	SS15092-SS4		4/12/2005	BIP_SS	J48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15092-A	SS15092-SS5		4/12/2005	BIP_SS	J48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15092-A	SS15092-SS6		4/12/2005	BIP_SS	J48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15092-A	SS15092-SS7		4/12/2005	BIP_SS	J48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SS15092-A	SS15092-SS8		4/12/2005	BIP_SS	J48	0	0.25	EXP	BIP
Pre BIP	SS02809-A	TT479	J1.A.2.00022.1.0	9/1/2000	BIP_PRE	J57	0	0.25	EXP	BIP
Post BIP	SS02809-A	TT480	J1.A.2.00022.2.0	9/1/2000	BIP_POST	J57	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post BIP	SS02886-A	TT650	J1.A.2.00099.3.0	10/9/2000	BIP_POST	J59	0	0.5	EXP	BIP
BIP Supplemental Sampling	SSA03270202	04143	HD03270202SS1	5/6/2003	BIP_SS	J63	0	0.25	EXP, Metals	BIP
BIP Supplemental Sampling	SSA03270202	04144	HD03270202SS2	5/6/2003	BIP_SS	J63	0	0.25	EXP, Metals	BIP
BIP Supplemental Sampling	SSA03270202	04145	HD03270202SS3	5/6/2003	BIP_SS	J63	0	0.25	EXP, Metals	BIP
BIP Supplemental Sampling	SSA03270202	04146	HD03270202SS4	5/6/2003	BIP_SS	J63	0	0.25	EXP, Metals	BIP
BIP Supplemental Sampling	SSA03270202	04147	HD03270202SS5	5/6/2003	BIP_SS	J63	0	0.25	EXP, Metals	BIP
BIP Supplemental Sampling	SSA03270202	04148	HD03270202SS6	5/6/2003	BIP_SS	J63	0	0.25	EXP, Metals	BIP
BIP Supplemental Sampling	SSA03270202	04149	HD03270202SS7	5/6/2003	BIP_SS	J63	0	0.25	EXP, Metals	BIP
BIP Supplemental Sampling	SSA03270202	04150	HD03270202SS8	5/6/2003	BIP_SS	J63	0	0.25	EXP, Metals	BIP
BIP Post Excavation	SSA03270202	A03270202_PE1		10/12/2006	BIP_PE	J63	0	0.25	Metals, PCNs	BIP
BIP Post Excavation	SSA03270202	A03270202_PE2		10/12/2006	BIP_PE	J63	0	0.25	Metals, PCNs	BIP
BIP Post Excavation	SSA03270202	A03270202_PE3		10/12/2006	BIP_PE	J63	0	0.25	Metals, PCNs	BIP
BIP Supplemental Sampling	SSA03270202	A03270202-SS1		5/26/2006	BIP_SS	J63	0	0.2	PCNs	BIP
BIP Supplemental Sampling	SSA03270202	A03270202-SS2		5/26/2006	BIP_SS	J63	0	0.2	PCNs	BIP
BIP Supplemental Sampling	SSA03270202	A03270202-SS3		5/26/2006	BIP_SS	J63	0	0.2	PCNs	BIP
BIP Supplemental Sampling	SSA03270202	A03270202-SS4		5/26/2006	BIP_SS	J63	0	0.2	PCNs	BIP
BIP Supplemental Sampling	SSA03270202	A03270202-SS5		5/26/2006	BIP_SS	J63	0	0.2	PCNs	BIP
BIP Supplemental Sampling	SSA03270202	A03270202-SS7		5/26/2006	BIP_SS	J63	0	0.2	PCNs	BIP
BIP Supplemental Sampling	SSA03270202	A03270202-SS8		5/26/2006	BIP_SS	J63	0	0.2	PCNs	BIP
Post BIP	SSA03270202	AZ655	HDA03270202AA	4/5/2002	BIP_POST	J63	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post BIP	SSA03270202	AZ656	HDA03270202AA	4/5/2002	BIP_POST	J63	0	0.25	PCNs	BIP
Pre BIP	SSA09230201	BI644	HCA09230201BG	9/25/2002	BIP_PRE	J64	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SSA09230201	BI645	HCA09230201BG	9/25/2002	BIP_PRE	J64	0	0.25	PCNs	BIP
Post BIP	SSA09230201	BI702	HDA09230201AA	9/27/2002	BIP_POST	J64	0	0.25	EXP, Metals, SVOC	BIP
Post BIP	SS15227-A	ECC041404J101 (po_c)		4/30/2004	BIP_POST	K45	0	0.25	EXP, Metals, SVOC	BIP
Pre BIP	SS15227-A	ECC041404J101 (pre)		4/29/2004	BIP_PRE	K45	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Post Excavation	SS15227-A	SS15227A_PE1		10/5/2006	BIP_PE	K45	0	0.25	Metals	BIP
BIP Post Excavation	SS15227-A	SS15227A_PE2		10/5/2006	BIP_PE	K45	0	0.25	Metals	BIP
BIP Post Excavation	SS15227-A	SS15227A_PE3		10/5/2006	BIP_PE	K45	0	0.25	Metals	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Supplemental Sampling	SS15227-A	SS15227-SS1		4/12/2005	BIP_SS	K45	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15227-A	SS15227-SS2		4/12/2005	BIP_SS	K45	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15227-A	SS15227-SS3		4/12/2005	BIP_SS	K45	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15227-A	SS15227-SS4		4/12/2005	BIP_SS	K45	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15227-A	SS15227-SS5		4/12/2005	BIP_SS	K45	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15227-A	SS15227-SS6		4/12/2005	BIP_SS	K45	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15227-A	SS15227-SS7		4/12/2005	BIP_SS	K45	0	0.25	Metals	BIP
BIP Supplemental Sampling	SS15227-A	SS15227-SS8		4/12/2005	BIP_SS	K45	0	0.25	Metals	BIP
BIP Post Excavation	SSRDST0613	RDST0613_PE1		10/12/2006	BIP_PE	K48	0	0.25	EXP	BIP
BIP Post Excavation	SSRDST0613	RDST0613_PE2		10/12/2006	BIP_PE	K48	0	0.25	EXP	BIP
BIP Post Excavation	SSRDST0613	RDST0613_PE3		10/12/2006	BIP_PE	K48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSRDST0613	RDST0613_SS1		10/6/2006	BIP_SS	K48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSRDST0613	RDST0613_SS2		10/6/2006	BIP_SS	K48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSRDST0613	RDST0613_SS3		10/6/2006	BIP_SS	K48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSRDST0613	RDST0613_SS4		10/6/2006	BIP_SS	K48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSRDST0613	RDST0613_SS5		10/6/2006	BIP_SS	K48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSRDST0613	RDST0613_SS6		10/6/2006	BIP_SS	K48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSRDST0613	RDST0613_SS7		10/6/2006	BIP_SS	K48	0	0.25	EXP	BIP
BIP Supplemental Sampling	SSRDST0613	RDST0613_SS8		10/6/2006	BIP_SS	K48	0	0.25	EXP	BIP
Post BIP	SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	BIP_POST	K48	2	2	EXP, Metals, SVOC	BIP
Pre BIP	SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	BIP_PRE	K48	2	2	EXP, Metals, SVOC	BIP
Post BIP	SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	BIP_POST	K56	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	BIP_PRE	K56	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Post BIP	SSJ1K56002	ECC080207J1SUP02 (post)		8/9/2007	BIP_POST	K56	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1K56002	ECC080207J1SUP02 (pre)		8/8/2007	BIP_PRE	K56	0	0.25	EXP, Metals, Perc, SVOC	BIP
Post BIP	SSJ1P26007	ECC031405J102 (post)		3/17/2005	BIP_POST	K56	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Pre BIP	SSJ1P26007	ECC031405J102 (pre)		3/17/2005	BIP_PRE	K56	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Pre BIP	SS02810-A	TT481	J1.A.2.00023.1.0	9/1/2000	BIP_PRE	K57	0	0.75	EXP	BIP
Post BIP	SS02810-A	TT482	J1.A.2.00023.2.0	9/1/2000	BIP_POST	K57	0	0.75	EXP, Metals, SVOC, VOC	BIP
Post BIP	SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	BIP_POST	K57	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	BIP_PRE	K57	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Post BIP	SSJ1P26005	ECC022305J104 (post)		3/10/2005	BIP_POST	K57	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Pre BIP	SSJ1P26005	ECC022305J104 (pre)		3/10/2005	BIP_PRE	K57	0	0.25	EXP, Metals, Perc, SVOC	BIP
Post BIP	SSJ1P26006	ECC031405J101 (post)		3/17/2005	BIP_POST	K57	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1P26006	ECC031405J101 (pre)		3/17/2005	BIP_PRE	K57	0	0.25	EXP, Metals, Perc, SVOC	BIP
Post BIP	SS02811-A	TT483	J1.A.2.00024.3.0	9/1/2000	BIP_POST	K58	0	0.5	EXP	BIP
Pre BIP	SS02848-A	TT598	J1.B.2.00061.1.0	9/28/2000	BIP_PRE	K58	0	0.5	EXP	BIP
Post BIP	SS02848-A	TT599	J1.B.2.00061.2.0	9/28/2000	BIP_POST	K58	0	0.5	EXP	BIP
Post BIP	SSJ1P26002	ECC022305J101 (post)		3/10/2005	BIP_POST	K58	0	0.25	EXP, Metals, Perc, SVOC	BIP
Pre BIP	SSJ1P26002	ECC022305J101 (pre)		3/10/2005	BIP_PRE	K58	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Post Excavation	SSJ1P26002	J1P26002_PE1		9/8/2006	BIP_PE	K58	0	0.25	Metals	BIP
BIP Post Excavation	SSJ1P26002	J1P26002_PE2		9/8/2006	BIP_PE	K58	0	0.25	Metals	BIP
BIP Post Excavation	SSJ1P26002	J1P26002_PE3		9/8/2006	BIP_PE	K58	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1P26002	SSJ1P26002-SS1		4/11/2006	BIP_SS	K58	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1P26002	SSJ1P26002-SS2		4/11/2006	BIP_SS	K58	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1P26002	SSJ1P26002-SS3		4/11/2006	BIP_SS	K58	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1P26002	SSJ1P26002-SS4		4/11/2006	BIP_SS	K58	0	0.25	Metals	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Supplemental Sampling	SSJ1P26002	SSJ1P26002-SS5		4/11/2006	BIP_SS	K58	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1P26002	SSJ1P26002-SS6		4/11/2006	BIP_SS	K58	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1P26002	SSJ1P26002-SS7		4/11/2006	BIP_SS	K58	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1P26002	SSJ1P26002-SS8		4/11/2006	BIP_SS	K58	0	0.25	Metals	BIP
Post BIP	SSJ1P26003	ECC022305J102 (post)		3/10/2005	BIP_POST	K58	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Pre BIP	SSJ1P26003	ECC022305J102 (pre)		3/10/2005	BIP_PRE	K58	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Post Excavation	SSJ1P26003	J1P26003_PE1		7/14/2006	BIP_PE	K58	0	0.2	PCNs	BIP
BIP Post Excavation	SSJ1P26003	J1P26003_PE2		7/14/2006	BIP_PE	K58	0	0.2	PCNs	BIP
BIP Post Excavation	SSJ1P26003	J1P26003_PE3		7/14/2006	BIP_PE	K58	0	0.2	PCNs	BIP
BIP Supplemental Sampling	SSJ1P26003	SSJ1P26003-SS1		4/11/2006	BIP_SS	K58	0	0.25	PCNs	BIP
BIP Supplemental Sampling	SSJ1P26003	SSJ1P26003-SS2		4/11/2006	BIP_SS	K58	0	0.25	PCNs	BIP
BIP Supplemental Sampling	SSJ1P26003	SSJ1P26003-SS3		4/11/2006	BIP_SS	K58	0	0.25	PCNs	BIP
BIP Supplemental Sampling	SSJ1P26003	SSJ1P26003-SS4		4/11/2006	BIP_SS	K58	0	0.25	PCNs	BIP
BIP Supplemental Sampling	SSJ1P26003	SSJ1P26003-SS5		4/11/2006	BIP_SS	K58	0	0.25	PCNs	BIP
BIP Supplemental Sampling	SSJ1P26003	SSJ1P26003-SS6		4/11/2006	BIP_SS	K58	0	0.25	PCNs	BIP
BIP Supplemental Sampling	SSJ1P26003	SSJ1P26003-SS7		4/11/2006	BIP_SS	K58	0	0.25	PCNs	BIP
BIP Supplemental Sampling	SSJ1P26003	SSJ1P26003-SS8		4/11/2006	BIP_SS	K58	0	0.25	PCNs	BIP
Post BIP	SSJ1P26004	ECC022305J103 (post)		3/10/2005	BIP_POST	K58	0	0.25	EXP, Metals, PCNs, Perc, SVOC	BIP
Pre BIP	SSJ1P26004	ECC022305J103 (pre)		3/10/2005	BIP_PRE	K58	0	0.25	EXP, Metals, Perc, SVOC	BIP
BIP Post Excavation	SSJ1P26004	J1P26004_PE1		7/14/2006	BIP_PE	K58	0	0.2	PCNs	BIP
BIP Post Excavation	SSJ1P26004	J1P26004_PE2		7/14/2006	BIP_PE	K58	0	0.2	PCNs	BIP
BIP Post Excavation	SSJ1P26004	J1P26004_PE3		7/14/2006	BIP_PE	K58	0	0.2	PCNs	BIP
BIP Supplemental Sampling	SSJ1P26004	SSJ1P26004-SS1		4/11/2006	BIP_SS	K58	0	0.25	PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1P26004	SSJ1P26004-SS2		4/11/2006	BIP_SS	K58	0	0.25	PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1P26004	SSJ1P26004-SS3		4/11/2006	BIP_SS	K58	0	0.25	PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1P26004	SSJ1P26004-SS4		4/11/2006	BIP_SS	K58	0	0.25	PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1P26004	SSJ1P26004-SS4-FD		4/11/2006	BIP_SS	K58	0	0.25	PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1P26004	SSJ1P26004-SS5		4/11/2006	BIP_SS	K58	0	0.25	PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1P26004	SSJ1P26004-SS6		4/11/2006	BIP_SS	K58	0	0.25	PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1P26004	SSJ1P26004-SS7		4/11/2006	BIP_SS	K58	0	0.25	PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1P26004	SSJ1P26004-SS8		4/11/2006	BIP_SS	K58	0	0.25	PCNs, SVOC	BIP
Pre BIP	SS02813-A	TT484	J1.A.2.00026.1.0	9/1/2000	BIP_PRE	K59	0	0.25	EXP	BIP
Post BIP	SS02813-A	TT485	J1.A.2.00026.2.0	9/1/2000	BIP_POST	K59	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post BIP	SS02815-A	TT486	J1.A.2.00028.3.0	9/1/2000	BIP_POST	K60	0	0.5	EXP	BIP
Post BIP	SS02815-A	TT487	J1.A.2.00028.3.D	9/1/2000	BIP_POST	K60	0	0.5	EXP	BIP
BIP Supplemental Sampling	J1200034	AP256	J1.2.00034.RSS1	4/9/2001	BIP_SS	K61	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200034	AP257	J1.2.00034.RSS2	4/9/2001	BIP_SS	K61	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200034	AP258	J1.2.00034.RSS3	4/9/2001	BIP_SS	K61	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200034	AP259	J1.2.00034.RSS4	4/9/2001	BIP_SS	K61	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200034	AP260	J1.2.00034.RSS5	4/9/2001	BIP_SS	K61	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200034	AP261	J1.2.00034.RSS6	4/9/2001	BIP_SS	K61	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200034	AP262	J1.2.00034.RSS7	4/9/2001	BIP_SS	K61	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200034	AP263	J1.2.00034.RSS8	4/9/2001	BIP_SS	K61	0	0.25	EXP	BIP
Pre BIP	J1200034	TT490	J1.A.2.00034.1.0	9/1/2000	BIP_PRE	K61	0	0.25	EXP	BIP
Post BIP	J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	BIP_POST	K61	0	0.25	EXP, Metals, SVOC, VOC	BIP
BIP Post Excavation	J1200034PE	AT182	HDJ120034RPE1	10/2/2001	BIP_PE	K61	1	1.25	EXP	BIP
BIP Post Excavation	J1200034PE	AT183	HDJ120034RPE2	10/2/2001	BIP_PE	K61	1	1.25	EXP	BIP

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Post Excavation	J1200034PE	AT184	HDJ120034RPE3	10/2/2001	BIP_PE	K61	1	1.25	EXP	BIP
Post BIP	SS02819-A	TT489	J1.A.2.00032.3.0	9/1/2000	BIP_POST	K62	0	0.5	EXP	BIP
Post BIP	SS02849-A	TT595	J1.A.2.00062.3.0	9/25/2000	BIP_POST	K63	0	0.5	EXP	BIP
Rows 65 to 72										
2000 m (a) Berm	CP04C	B04CAA	B04CAA	10/21/1997	SC	J67	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
2000 m (a) Berm	CP04C	B04CBA	B04CBA	1/8/1998	SC	J67	1.5	2	GENERAL, Metals, VOC	FSP04
2000 m (a) Berm	CP04D	B04DAA	B04DAA	10/21/1997	SC	J67	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
2000 m (a) Berm	CP04D	B04DBA	B04DBA	1/8/1998	SC	J67	1.5	2	GENERAL, Metals, VOC	FSP04
2000 m (a) Berm	CP04E	B04EAA	B04EAA	10/21/1997	SC	J67	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
2000 m (a) Berm	CP04E	B04EBA	B04EBA	1/9/1998	SC	J67	1.5	2	GENERAL, Herb, Metals, VOC	FSP04
2000 m (a) Berm	SS02949-A	TT952	J1.A.2.00162.3.0	10/30/2000	BIP_POST	K67	0	0.5	EXP	MSP
2000 m (a) Berm	SS02951-A	TT950	J1.A.2.00164.3.0	10/30/2000	BIP_POST	K67	0	0.5	EXP	MSP
2000 m (a) Berm	SS02892-A	TT899	J1.A.2.00105.3.0	10/20/2000	BIP_POST	J67	1	1.75	EXP	MSP
2000 m (a) Berm	SS02893-A	TT898	J1.A.2.00106.3.0	10/20/2000	BIP_POST	J67	0	1	EXP	MSP
2000 m (a) Berm	SS02894-A	TT897	J1.A.2.00107.3.0	10/20/2000	BIP_POST	J67	0	0.75	EXP	MSP
2000 m (a) Berm	SS02945-A	TT947	J1.A.2.00158.3.0	10/30/2000	BIP_POST	J67	0	0.75	EXP	MSP
2000 m (a) Berm	SS02948-A	TT953	J1.A.2.00161.3.0	10/30/2000	BIP_POST	J67	0	0.5	EXP	MSP
2000 m (a) Berm	SS04H	AL430	HC04H1AAA	11/1/2000	SC	J67	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (a) Berm	SS04H	AL431	HC04H1AAD	11/1/2000	SC	J67	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (a) Berm	SS04H	AL432	HC04H1BAA	11/1/2000	SC	J67	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (a) Berm	SS04H	AL433	HC04H1CAA	11/1/2000	SC	J67	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (a) Berm	SS04H	AW515	HC04H1AAA	11/19/2001	SC	J67	0	0.25	Herb	FSPTA
2000 m (a) Berm	SS04M	AL427	HC04M1AAA	11/1/2000	SC	J67	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (a) Berm	SS04M	AL428	HC04M1BAA	11/1/2000	SC	J67	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (a) Berm	SS04M	AL429	HC04M1CAA	11/1/2000	SC	J67	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04K	AL440	HC04K1AAA	11/1/2000	SC	J71	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04K	AL441	HC04K1BAA	11/1/2000	SC	J71	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04K	AL442	HC04K1BAD	11/1/2000	SC	J71	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04K	AL443	HC04K1CAA	11/1/2000	SC	J71	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04I	AL434	HC04I1AAA	11/1/2000	SC	J70	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04I	AL435	HC04I1BAA	11/1/2000	SC	J70	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04I	AL436	HC04I1CAA	11/1/2000	SC	J70	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04J	AL437	HC04J1AAA	11/1/2000	SC	J70	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04J	AL438	HC04J1BAA	11/1/2000	SC	J70	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04J	AL439	HC04J1CAA	11/1/2000	SC	J70	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04L	AL444	HC04L1AAA	11/1/2000	SC	J70	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04L	AL445	HC04L1BAA	11/1/2000	SC	J70	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	SS04L	AL446	HC04L1CAA	11/1/2000	SC	J70	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
2000 m (b) Berm	CP04B	B04BAA	B04BAA	10/21/1997	SC	K69	0	0.5	EXP, GENERAL, Herb, Metals, SVOC, VOC	FSP04
2000 m (b) Berm	CP04B	B04BBA	B04BBA	1/8/1998	SC	K69	1.5	2	GENERAL, Metals, VOC	FSP04
2000 m (b) Berm	SS03009-A	TT963	J1.A.3.00018.3.0	11/6/2000	BIP_POST	K69	1	1.25	EXP	MSP
2000 m (b) Berm	CP04A	B04AAA	B04AAA	10/21/1997	SC	K70	0	0.5	EXP, GENERAL, Herb, Metals, SVOC, VOC	FSP04
2000 m (b) Berm	CP04A	B04ABA	B04ABA	1/7/1998	SC	K70	1.5	2	GENERAL, Metals, VOC	FSP04
2000 m (b) Berm	SS02995-A	TT960	J1.A.3.00004.3.0	11/6/2000	BIP_POST	K70	0	0.25	EXP	MSP
2000 m (b) Berm	SS02935-A	TT955	J1.A.2.00148.3.0	10/30/2000	BIP_POST	K71	0	1	EXP	MSP
2000 m (b) Berm	SS02935-A	TT956	J1.A.2.00148.3.D	10/30/2000	BIP_POST	K71	0	1	EXP	MSP
Target 22	SS113A	AK319	HC113A1AAA	10/12/2000	SC	J66	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Target 22	SS113A	AK320	HC113A1BAA	10/12/2000	SC	J66	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 22	SS113A	AK321	HC113A1CAA	10/12/2000	SC	J66	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 22	SS113A	AK322	HD113A1AAA	10/12/2000	SD	J66	0	0.25	EXP	FSPTA
Target 22	SS113A	AK323	HD113A3AAA	10/12/2000	SD	J66	0	0.25	EXP	FSPTA
Target 22	SS113A	AK324	HD113A5AAA	10/12/2000	SD	J66	0	0.25	EXP	FSPTA
Target 22	SS113A	AK325	HD113A7AAA	10/12/2000	SD	J66	0	0.25	EXP	FSPTA
Target 22	SS113A	AK326	HD113A1BAA	10/12/2000	SD	J66	0.25	0.5	EXP	FSPTA
Target 22	SS113A	AK327	HD113A3BAA	10/12/2000	SD	J66	0.25	0.5	EXP	FSPTA
Target 22	SS113A	AK328	HD113A5BAA	10/12/2000	SD	J66	0.25	0.5	EXP	FSPTA
Target 22	SS113A	AK329	HD113A7BAA	10/12/2000	SD	J66	0.25	0.5	EXP	FSPTA
Target 22	SS113A	AK330	HD113A1CAA	10/12/2000	SD	J66	0.5	1	EXP	FSPTA
Target 22	SS113A	AK331	HD113A3CAA	10/12/2000	SD	J66	0.5	1	EXP	FSPTA
Target 22	SS113A	AK332	HD113A5CAA	10/12/2000	SD	J66	0.5	1	EXP	FSPTA
Target 22	SS113A	AK333	HD113A7CAA	10/12/2000	SD	J66	0.5	1	EXP	FSPTA
Target 22	SS113A	AK350	HD113A1AAD	10/12/2000	SD	J66	0	0.25	EXP	FSPTA
Target 22	SS113A	AK351	HD113A3BAD	10/12/2000	SD	J66	0.25	0.5	EXP	FSPTA
Target 22	SS113A	AK352	HD113A5CAD	10/12/2000	SD	J66	0.5	1	EXP	FSPTA
Target 22	SS113A	AW517	HC113A1CAA	11/16/2001	SC	J66	0.5	1	Herb	FSPTA
Target 22	SS113B	AK334	HC113B1AAA	10/12/2000	SC	J66	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 22	SS113B	AK335	HC113B1BAA	10/12/2000	SC	J66	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 22	SS113B	AK336	HC113B1CAA	10/12/2000	SC	J66	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 22	SS113B	AK337	HD113B1AAA	10/12/2000	SD	J66	0	0.25	EXP	FSPTA
Target 22	SS113B	AK338	HD113B3AAA	10/12/2000	SD	J66	0	0.25	EXP	FSPTA
Target 22	SS113B	AK339	HD113B5AAA	10/12/2000	SD	J66	0	0.25	EXP	FSPTA
Target 22	SS113B	AK340	HD113B7AAA	10/12/2000	SD	J66	0	0.25	EXP	FSPTA
Target 22	SS113B	AK341	HD113B1BAA	10/12/2000	SD	J66	0.25	0.5	EXP	FSPTA
Target 22	SS113B	AK342	HD113B3BAA	10/12/2000	SD	J66	0.25	0.5	EXP	FSPTA
Target 22	SS113B	AK343	HD113B5BAA	10/12/2000	SD	J66	0.25	0.5	EXP	FSPTA
Target 22	SS113B	AK344	HD113B7BAA	10/12/2000	SD	J66	0.25	0.5	EXP	FSPTA
Target 22	SS113B	AK345	HD113B1CAA	10/12/2000	SD	J66	0.5	1	EXP	FSPTA
Target 22	SS113B	AK346	HD113B3CAA	10/12/2000	SD	J66	0.5	1	EXP	FSPTA
Target 22	SS113B	AK347	HD113B5CAA	10/12/2000	SD	J66	0.5	1	EXP	FSPTA
Target 22	SS113B	AK348	HD113B7CAA	10/12/2000	SD	J66	0.5	1	EXP	FSPTA
Target 34	SS118A	AK678	HC118A1AAA	10/16/2000	SC	69	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 34	SS118A	AK679	HC118A1BAA	10/16/2000	SC	69	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 34	SS118A	AK680	HC118A1CAA	10/16/2000	SC	69	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 34	SS118A	AK681	HD118A1AAA	10/16/2000	SD	69	0	0.25	EXP	FSPTA
Target 34	SS118A	AK682	HD118A3AAA	10/16/2000	SD	69	0	0.25	EXP	FSPTA
Target 34	SS118A	AK683	HD118A5AAA	10/16/2000	SD	69	0	0.25	EXP	FSPTA
Target 34	SS118A	AK684	HD118A7AAA	10/16/2000	SD	69	0	0.25	EXP	FSPTA
Target 34	SS118A	AK685	HD118A1BAA	10/16/2000	SD	69	0.25	0.5	EXP	FSPTA
Target 34	SS118A	AK686	HD118A3BAA	10/16/2000	SD	69	0.25	0.5	EXP	FSPTA
Target 34	SS118A	AK687	HD118A5BAA	10/16/2000	SD	69	0.25	0.5	EXP	FSPTA
Target 34	SS118A	AK688	HD118A7BAA	10/16/2000	SD	69	0.25	0.5	EXP	FSPTA
Target 34	SS118A	AK689	HD118A1CAA	10/16/2000	SD	69	0.5	1	EXP	FSPTA
Target 34	SS118A	AK690	HD118A3CAA	10/16/2000	SD	69	0.5	1	EXP	FSPTA
Target 34	SS118A	AK691	HD118A5CAA	10/16/2000	SD	69	0.5	1	EXP	FSPTA

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Target 34	SS118A	AK692	HD118A7CAA	10/16/2000	SD	69	0.5	1	EXP	FSPTA
Target 34	SS118A	AK708	HD118A1AAD	10/16/2000	SD	69	0	0.25	EXP	FSPTA
Target 34	SS118A	AK709	HD118A3BAD	10/16/2000	SD	69	0.25	0.5	EXP	FSPTA
Target 34	SS118A	BD893	HC118A1AAA	5/21/2002	SC	69	0	0.25	PCNs	FSPTA
Target 34	SS118A	BD894	HC118A1AAA	5/21/2002	SC	69	0	0.25	Perc	FSPTA
Target 34	SS118A	BD895	HD118A1AAA	5/21/2002	SD	69	0	0.25	Perc	FSPTA
Target 34	SS118A	BD896	HD118A3AAA	5/21/2002	SD	69	0	0.25	Perc	FSPTA
Target 34	SS118A	BD897	HD118A5AAA	5/21/2002	SD	69	0	0.25	Perc	FSPTA
Target 34	SS118A	BD898	HD118A7AAA	5/21/2002	SD	69	0	0.25	Perc	FSPTA
Target 34	SS118B	AK693	HC118B1AAA	10/16/2000	SC	69	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 34	SS118B	AK694	HC118B1BAA	10/16/2000	SC	69	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 34	SS118B	AK695	HC118B1CAA	10/16/2000	SC	69	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 34	SS118B	AK696	HD118B1AAA	10/16/2000	SD	69	0	0.25	EXP	FSPTA
Target 34	SS118B	AK697	HD118B3AAA	10/16/2000	SD	69	0	0.25	EXP	FSPTA
Target 34	SS118B	AK698	HD118B5AAA	10/16/2000	SD	69	0	0.25	EXP	FSPTA
Target 34	SS118B	AK699	HD118B7AAA	10/16/2000	SD	69	0	0.25	EXP	FSPTA
Target 34	SS118B	AK700	HD118B1BAA	10/16/2000	SD	69	0.25	0.5	EXP	FSPTA
Target 34	SS118B	AK701	HD118B3BAA	10/16/2000	SD	69	0.25	0.5	EXP	FSPTA
Target 34	SS118B	AK702	HD118B5BAA	10/16/2000	SD	69	0.25	0.5	EXP	FSPTA
Target 34	SS118B	AK703	HD118B7BAA	10/16/2000	SD	69	0.25	0.5	EXP	FSPTA
Target 34	SS118B	AK704	HD118B1CAA	10/16/2000	SD	69	0.5	1	EXP	FSPTA
Target 34	SS118B	AK705	HD118B3CAA	10/16/2000	SD	69	0.5	1	EXP	FSPTA
Target 34	SS118B	AK706	HD118B5CAA	10/16/2000	SD	69	0.5	1	EXP	FSPTA
Target 34	SS118B	AK707	HD118B7CAA	10/16/2000	SD	69	0.5	1	EXP	FSPTA
Target 34	SS118B	AK710	HD118B5CAD	10/16/2000	SD	69	0.5	1	EXP	FSPTA
Target 34	SS118B	AK711	HC118B1CAD	10/16/2000	SC	69	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 34	SS118B	BD900	HC118B1AAA	5/21/2002	SC	69	0	0.25	Perc	FSPTA
Target 34	SS118B	BD901	HD118B1AAA	5/21/2002	SD	69	0	0.25	Perc	FSPTA
Target 34	SS118B	BD902	HD118B3AAA	5/21/2002	SD	69	0	0.25	Perc	FSPTA
Target 34	SS118B	BD903	HD118B5AAA	5/21/2002	SD	69	0	0.25	Perc	FSPTA
Target 34	SS118B	BD904	HD118B7AAA	5/21/2002	SD	69	0	0.25	Perc	FSPTA
Target 34	SS118B	BD905	HD118B7AAD	5/21/2002	SD	69	0	0.25	Perc	FSPTA
Target 20	SS112A	AK284	HC112A1AAA	10/10/2000	SC	70	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 20	SS112A	AK285	HC112A1BAA	10/10/2000	SC	70	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 20	SS112A	AK286	HC112A1CAA	10/10/2000	SC	70	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 20	SS112A	AK287	HD112A1AAA	10/10/2000	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112A	AK288	HD112A3AAA	10/10/2000	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112A	AK289	HD112A5AAA	10/10/2000	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112A	AK290	HD112A7AAA	10/10/2000	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112A	AK291	HD112A1BAA	10/10/2000	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112A	AK292	HD112A3BAA	10/10/2000	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112A	AK293	HD112A5BAA	10/10/2000	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112A	AK294	HD112A7BAA	10/10/2000	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112A	AK295	HD112A1CAA	10/10/2000	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112A	AK296	HD112A3CAA	10/10/2000	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112A	AK297	HD112A5CAA	10/10/2000	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112A	AK298	HD112A7CAA	10/10/2000	SD	70	0.5	1	EXP	FSPTA

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J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Target 20	SS112A	BD704	HC112A1AAA	5/17/2002	SC	70	0	0.25	EXP	FSPTA
Target 20	SS112A	BD705	HD112A1AAA	5/17/2002	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112A	BD706	HD112A3AAA	5/17/2002	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112A	BD707	HD112A5AAA	5/17/2002	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112A	BD708	HD112A7AAA	5/17/2002	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112A	BD709	HC112A1BAA	5/17/2002	SC	70	0.25	0.5	EXP	FSPTA
Target 20	SS112A	BD710	HD112A1BAA	5/17/2002	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112A	BD711	HD112A3BAA	5/17/2002	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112A	BD712	HD112A5BAA	5/17/2002	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112A	BD713	HD112A7BAA	5/17/2002	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112A	BD714	HC112A1CAA	5/17/2002	SC	70	0.5	1	EXP	FSPTA
Target 20	SS112A	BD715	HD112A1CAA	5/17/2002	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112A	BD716	HD112A3CAA	5/17/2002	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112A	BD717	HD112A5CAA	5/17/2002	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112A	BD718	HD112A7CAA	5/17/2002	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112B	AK299	HC112B1AAA	10/10/2000	SC	70	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 20	SS112B	AK300	HC112B1BAA	10/10/2000	SC	70	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 20	SS112B	AK301	HC112B1CAA	10/10/2000	SC	70	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Target 20	SS112B	AK302	HD112B1AAA	10/10/2000	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112B	AK303	HD112B3AAA	10/10/2000	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112B	AK304	HD112B5AAA	10/10/2000	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112B	AK305	HD112B7AAA	10/10/2000	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112B	AK306	HD112B1BAA	10/10/2000	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112B	AK307	HD112B3BAA	10/10/2000	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112B	AK308	HD112B5BAA	10/10/2000	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112B	AK309	HD112B7BAA	10/10/2000	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112B	AK310	HD112B1CAA	10/10/2000	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112B	AK311	HD112B3CAA	10/10/2000	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112B	AK312	HD112B5CAA	10/10/2000	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112B	AK313	HD112B7CAA	10/10/2000	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112B	AK315	HD112B1AAD	10/10/2000	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112B	AK316	HD112B3BAD	10/10/2000	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112B	AK317	HD112B5CAD	10/10/2000	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112B	AW516	HC112B1CAA	11/16/2001	SC	70	0.5	1	Herb	FSPTA
Target 20	SS112B	BD719	HC112B1AAA	5/20/2002	SC	70	0	0.25	EXP	FSPTA
Target 20	SS112B	BD720	HD112B1AAA	5/20/2002	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112B	BD721	HD112B3AAA	5/20/2002	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112B	BD722	HD112B5AAA	5/20/2002	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112B	BD723	HD112B7AAA	5/20/2002	SD	70	0	0.25	EXP	FSPTA
Target 20	SS112B	BD724	HC112B1BAA	5/20/2002	SC	70	0.25	0.5	EXP	FSPTA
Target 20	SS112B	BD725	HD112B1BAA	5/20/2002	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112B	BD726	HD112B3BAA	5/20/2002	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112B	BD727	HD112B5BAA	5/20/2002	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112B	BD728	HD112B7BAA	5/20/2002	SD	70	0.25	0.5	EXP	FSPTA
Target 20	SS112B	BD729	HC112B1CAA	5/20/2002	SC	70	0.5	1	EXP	FSPTA
Target 20	SS112B	BD730	HD112B1CAA	5/20/2002	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112B	BD731	HD112B3CAA	5/20/2002	SD	70	0.5	1	EXP	FSPTA

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Target 20	SS112B	BD732	HD112B5CAA	5/20/2002	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112B	BD733	HD112B7CAA	5/20/2002	SD	70	0.5	1	EXP	FSPTA
Target 20	SS112B	BD734	HD112B7CAD	5/20/2002	SD	70	0.5	1	EXP	FSPTA
Depression	CP04F	B04FAA	B04FAA	10/21/1997	SC	I68	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
Depression	CP04F	B04FBA	B04FBA	1/9/1998	SC	I68	1.5	2	GENERAL, Herb, Metals, VOC	FSP04
Depression/ Target 35	SS119A	AK827	HC119A1AAA	10/18/2000	SC	I68	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Depression/ Target 35	SS119A	AK828	HC119A1BAA	10/18/2000	SC	I68	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Depression/ Target 35	SS119A	AK829	HC119A1CAA	10/18/2000	SC	I68	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Depression/ Target 35	SS119A	AK830	HD119A1AAA	10/18/2000	SD	I68	0	0.25	EXP	FSPTA
Depression/ Target 35	SS119A	AK831	HD119A3AAA	10/18/2000	SD	I68	0	0.25	EXP	FSPTA
Depression/ Target 35	SS119A	AK832	HD119A5AAA	10/18/2000	SD	I68	0	0.25	EXP	FSPTA
Depression/ Target 35	SS119A	AK833	HD119A7AAA	10/18/2000	SD	I68	0	0.25	EXP	FSPTA
Depression/ Target 35	SS119A	AK834	HD119A1BAA	10/18/2000	SD	I68	0.25	0.5	EXP	FSPTA
Depression/ Target 35	SS119A	AK835	HD119A3BAA	10/18/2000	SD	I68	0.25	0.5	EXP	FSPTA
Depression/ Target 35	SS119A	AK836	HD119A5BAA	10/18/2000	SD	I68	0.25	0.5	EXP	FSPTA
Depression/ Target 35	SS119A	AK837	HD119A7BAA	10/18/2000	SD	I68	0.25	0.5	EXP	FSPTA
Depression/ Target 35	SS119A	AK838	HD119A1CAA	10/18/2000	SD	I68	0.5	1	EXP	FSPTA
Depression/ Target 35	SS119A	AK839	HD119A3CAA	10/18/2000	SD	I68	0.5	1	EXP	FSPTA
Depression/ Target 35	SS119A	AK840	HD119A5CAA	10/18/2000	SD	I68	0.5	1	EXP	FSPTA
Depression/ Target 35	SS119A	AK841	HD119A7CAA	10/18/2000	SD	I68	0.5	1	EXP	FSPTA
Depression/ Target 35	SS119A	AK857	HC119A1CAD	10/18/2000	SC	I68	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Depression/ Target 35	SS119A	AK859	HD119A1CAD	10/18/2000	SD	I68	0.5	1	EXP	FSPTA
Depression/ Target 35	SS119B	AK842	HC119B1AAA	10/18/2000	SC	I68	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Depression/ Target 35	SS119B	AK843	HC119B1BAA	10/18/2000	SC	I68	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Depression/ Target 35	SS119B	AK844	HC119B1CAA	10/18/2000	SC	I68	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Depression/ Target 35	SS119B	AK845	HD119B1AAA	10/18/2000	SD	I68	0	0.25	EXP	FSPTA
Depression/ Target 35	SS119B	AK846	HD119B3AAA	10/18/2000	SD	I68	0	0.25	EXP	FSPTA
Depression/ Target 35	SS119B	AK847	HD119B5AAA	10/18/2000	SD	I68	0	0.25	EXP	FSPTA
Depression/ Target 35	SS119B	AK848	HD119B7AAA	10/18/2000	SD	I68	0	0.25	EXP	FSPTA
Depression/ Target 35	SS119B	AK849	HD119B1BAA	10/18/2000	SD	I68	0.25	0.5	EXP	FSPTA
Depression/ Target 35	SS119B	AK850	HD119B3BAA	10/18/2000	SD	I68	0.25	0.5	EXP	FSPTA
Depression/ Target 35	SS119B	AK851	HD119B5BAA	10/18/2000	SD	I68	0.25	0.5	EXP	FSPTA
Depression/ Target 35	SS119B	AK852	HD119B7BAA	10/18/2000	SD	I68	0.25	0.5	EXP	FSPTA
Depression/ Target 35	SS119B	AK853	HD119B1CAA	10/18/2000	SD	I68	0.5	1	EXP	FSPTA
Depression/ Target 35	SS119B	AK854	HD119B3CAA	10/18/2000	SD	I68	0.5	1	EXP	FSPTA
Depression/ Target 35	SS119B	AK855	HD119B5CAA	10/18/2000	SD	I68	0.5	1	EXP	FSPTA
Depression/ Target 35	SS119B	AK856	HD119B7CAA	10/18/2000	SD	I68	0.5	1	EXP	FSPTA
Depression/ Target 35	SS119B	AK858	HC119B1AAD	10/18/2000	SC	I68	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	FSPTA
Depression/ Target 35	SS119B	AK860	HD119B1CAD	10/18/2000	SD	I68	0.5	1	EXP	FSPTA
Target	SS174A	BA830	HC174A1AAA	4/17/2002	SC	70	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS174A	BA831	HD174A1AAA	4/17/2002	SD	70	0	0.25	EXP	CIA
Target	SS174A	BA832	HD174A3AAA	4/17/2002	SD	70	0	0.25	EXP	CIA
Target	SS174A	BA833	HD174A5AAA	4/17/2002	SD	70	0	0.25	EXP	CIA
Target	SS174A	BA834	HD174A7AAA	4/17/2002	SD	70	0	0.25	EXP	CIA
Target	SS174A	BA835	HC174A1BAA	4/17/2002	SC	70	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS174A	BA836	HD174A1BAA	4/17/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS174A	BA837	HD174A3BAA	4/17/2002	SD	70	0.25	0.5	EXP	CIA

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J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Target	SS174A	BA838	HD174A5BAA	4/17/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS174A	BA839	HD174A7BAA	4/17/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS174A	BA840	HC174A1CAA	4/17/2002	SC	70	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS174A	BA841	HD174A1CAD	4/17/2002	SD	70	0.5	1	EXP	CIA
Target	SS174A	BA842	HD174A1CAA	4/17/2002	SD	70	0.5	1	EXP	CIA
Target	SS174A	BA843	HD174A3CAA	4/17/2002	SD	70	0.5	1	EXP	CIA
Target	SS174A	BA844	HD174A5CAA	4/17/2002	SD	70	0.5	1	EXP	CIA
Target	SS174A	BA845	HD174A7CAA	4/17/2002	SD	70	0.5	1	EXP	CIA
Target	SS174B	BA846	HC174B1AAA	4/18/2002	SC	70	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS174B	BA847	HD174B1AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS174B	BA848	HD174B3AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS174B	BA849	HD174B5AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS174B	BA850	HD174B7AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS174B	BA851	HC174B1BAA	4/18/2002	SC	70	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS174B	BA852	HD174B1BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS174B	BA853	HD174B3BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS174B	BA854	HD174B5BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS174B	BA855	HD174B7BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS174B	BA856	HC174B1CAA	4/18/2002	SC	70	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS174B	BA857	HD174B1CAD	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS174B	BA858	HD174B1CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS174B	BA859	HD174B3CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS174B	BA860	HD174B5CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS174B	BA861	HD174B7CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS175A	BA994	HC175A1CAA	4/18/2002	SC	70	0.5	1	VOC	CIA
Target	SS175A	BC001	HC175A1AAA	4/18/2002	SC	70	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS175A	BC002	HD175A1AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS175A	BC003	HD175A3AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS175A	BC004	HD175A5AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS175A	BC005	HD175A7AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS175A	BC006	HC175A1BAA	4/18/2002	SC	70	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS175A	BC007	HD175A1BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS175A	BC008	HD175A3BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS175A	BC009	HD175A5BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS175A	BC010	HD175A7BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS175A	BC011	HC175A1CAA	4/18/2002	SC	70	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS175A	BC012	HD175A1CAD	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS175A	BC013	HD175A1CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS175A	BC014	HD175A3CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS175A	BC015	HD175A5CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS175A	BC016	HD175A7CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS175B	BC017	HC175B1AAA	4/18/2002	SC	70	0	0.25	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS175B	BC018	HD175B1AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS175B	BC019	HD175B3AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS175B	BC020	HD175B5AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS175B	BC021	HD175B7AAA	4/18/2002	SD	70	0	0.25	EXP	CIA
Target	SS175B	BC022	HC175B1BAA	4/18/2002	SC	70	0.25	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Target	SS175B	BC023	HD175B1BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS175B	BC024	HD175B3BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS175B	BC025	HD175B5BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS175B	BC026	HD175B7BAA	4/18/2002	SD	70	0.25	0.5	EXP	CIA
Target	SS175B	BC027	HC175B1CAA	4/18/2002	SC	70	0.5	1	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, TOC, VOC	CIA
Target	SS175B	BC028	HD175B1CAD	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS175B	BC029	HD175B1CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS175B	BC030	HD175B3CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS175B	BC031	HD175B5CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Target	SS175B	BC032	HD175B7CAA	4/18/2002	SD	70	0.5	1	EXP	CIA
Control Point	CP04G	AW511	B04GAA	11/16/2001	SC	71	0	6	Herb	FSP04
Control Point	CP04G	B04GAA	B04GAA	12/18/1997	SC	71	0	6	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
Control Point	CP04G	B04GBA	B04GBA	3/11/1998	SC	71	1.5	2	GENERAL, Herb, Metals	FSP04
Control Point	CP04G	B04GBAa	B04GBA	7/6/1998	SC	71	1.5	2	VOC	FSP04
Soil Borehole	MW-27	S27DAA	S27DAA	8/20/1997	SB	J71	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
Soil Borehole	MW-27	S27DAD	S27DAD	8/20/1997	SB	J71	0	0.5	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
Soil Borehole	MW-27	S27DBA	S27DBA	11/20/1997	SB	J71	1.5	2	GENERAL, Metals, SVOC	FSP04
Soil Borehole	MW-27	S27DCA	S27DCA	10/6/1997	SB	J71	10	14	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
Soil Borehole	MW-27	S27DCD	S27DCD	10/6/1997	SB	J71	10	14	EXP, GENERAL, Herb, Metals, PCBs, Pest, SVOC, VOC	FSP04
Soil Borehole	MW-27	S27DDA	S27DDA	10/6/1997	SB	J71	22	24	EXP, GENERAL, Metals	FSP04
Soil Borehole	MW-27	S27DEA	S27DEA	10/6/1997	SB	J71	30	32	EXP, GENERAL, Metals	FSP04
Soil Borehole	MW-27	S27DFA	S27DFA	10/6/1997	SB	J71	40	42	EXP, GENERAL, Metals	FSP04
Soil Borehole	MW-27	S27DGA	S27DGA	10/6/1997	SB	J71	52	54	GENERAL, Metals	FSP04
Soil Borehole	MW-27	S27DHA	S27DHA	10/6/1997	SB	J71	60	62	GENERAL, Metals	FSP04
Soil Borehole	MW-27	S27DIA	S27DIA	10/6/1997	SB	J71	70	72	GENERAL, Metals	FSP04
Soil Borehole	MW-27	S27DJA	S27DJA	10/7/1997	SB	J71	80	82	GENERAL, Metals	FSP04
Soil Borehole	MW-27	S27DKA	S27DKA	10/7/1997	SB	J71	90	92	GENERAL, Metals	FSP04
Soil Borehole	MW-27	S27DLA	S27DLA	10/7/1997	SB	J71	100	102	GENERAL, Metals	FSP04
Soil Borehole	MW-27	S27DMA	S27DMA	10/7/1997	SB	J71	110	112	GENERAL, Metals	FSP04
Soil Borehole	MW-27	S27DNA	S27DNA	10/7/1997	SB	J71	120	122	GENERAL, Metals	FSP04
Post BIP	SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	BIP_POST	K71	0	0.25	Cyanide, EXP, Metals, SVOC	BIP
Pre BIP	SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	BIP_PRE	K71	0	0.25	Cyanide, EXP, Metals, SVOC	BIP
Post BIP	SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	BIP_POST	K71	0	0.25	Cyanide, EXP, Metals, SVOC	BIP
Pre BIP	SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	BIP_PRE	K71	0	0.25	Cyanide, EXP, Metals, SVOC	BIP
Post BIP	SS02918-A	TT876	J1.A.2.00131.3.0	10/20/2000	BIP_POST	K72	0	0.5	EXP	BIP
Post BIP	SS00037-A	TE859	J1.A.2.01269.3.0	8/22/2001	BIP_POST	L67	0	0.75	EXP	BIP
Post BIP	SS02986-A	TU526	J1.A.2.00198.3.0	2/16/2001	BIP_POST	L68	0	0.5	EXP	BIP
Post BIP	SS02954-A	TT954	J1.A.2.00167.3.0	10/30/2000	BIP_POST	L69	0	0.5	EXP	BIP
Post BIP	SS02987-A	TU527	J1.A.2.00199.3.0	2/16/2001	BIP_POST	L69	0	0.5	EXP	BIP
Post BIP	SS02989-A	TU594	J1.A.2.00201.3.0	2/26/2001	BIP_POST	L69	0	0.5	EXP	BIP
BIP Supplemental Sampling	J1300038	AS977	HDJ1300038SS1	9/26/2001	BIP_SS	L70	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300038	AS978	HDJ1300038SS2	9/26/2001	BIP_SS	L70	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300038	AS979	HDJ1300038SS3	9/26/2001	BIP_SS	L70	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300038	AS980	HDJ1300038SS4	9/26/2001	BIP_SS	L70	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300038	AS981	HDJ1300038SS4D	9/26/2001	BIP_SS	L70	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300038	AS982	HDJ1300038SS5	9/26/2001	BIP_SS	L70	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300038	AS983	HDJ1300038SS6	9/26/2001	BIP_SS	L70	0	0.25	EXP	BIP

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J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Supplemental Sampling	J1300038	AS984	HDJ1300038SS7	9/26/2001	BIP_SS	L70	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1300038	AS985	HDJ1300038SS8	9/26/2001	BIP_SS	L70	0	0.25	EXP	BIP
BIP Post Excavation	J1300038	AX510	HDJ1300038RPE1	1/14/2002	BIP_PE	L70	1	1.25	EXP	BIP
BIP Post Excavation	J1300038	AX511	HDJ1300038RPE2	1/14/2002	BIP_PE	L70	1	1.25	EXP	BIP
BIP Post Excavation	J1300038	AX512	HDJ1300038RPE3	1/14/2002	BIP_PE	L70	1	1.25	EXP	BIP
BIP Post Excavation	J1300038	AX513	HDJ1300038RPE3D	1/14/2002	BIP_PE	L70	1	1.25	EXP	BIP
Post BIP	SS02888-A	TT903	J1.A.2.00101.3.0	10/20/2000	BIP_POST	L71	0	1	EXP	BIP
Post BIP	SS02888-A	TT904	J1.A.2.00101.3.D	10/20/2000	BIP_POST	L71	0	1	EXP	BIP
Post BIP	SS02889-A	TT902	J1.A.2.00102.3.0	10/20/2000	BIP_POST	L71	0	0.5	EXP	BIP
Pre BIP	SS03011-A	TT958	J1.B.3.00020.1.0	11/13/2000	BIP_PRE	L71	0	0.25	EXP	BIP
Post BIP	SS03012-A	TT965	J1.A.3.00021.3.0	11/6/2000	BIP_POST	L71	0	0.25	EXP	BIP
Post BIP	SS03016-A	TT103	J1.A.3.00025.3.0	11/6/2000	BIP_POST	L71	0	0.5	EXP	BIP
Post BIP	SS03017-A	TT125	J1.A.3.00026.3.0	11/6/2000	BIP_POST	L71	0	0.25	EXP	BIP
Post BIP	SS03017-A	TT127	J1.A.3.00026.3.D	11/6/2000	BIP_POST	L71	0	0.25	EXP	BIP
Post BIP	SS02988-A	TU528	J1.A.2.00200.3.0	2/16/2001	BIP_POST	M71	0	0.5	EXP	BIP
Post BIP	SS02985-A	TU525	J1.A.2.00197.3.0	2/16/2001	BIP_POST	69	0	0.25	EXP	BIP
Post BIP	SSRDST0064	TT080306-01RDS-C-POST		8/10/2006	BIP_POST	70	3	3	EXP, Metals, SVOC	BIP
Pre BIP	SSRDST0064	TT080306-01RDS-C-PRE		8/10/2006	BIP_PRE	70	3	3	EXP, Metals, SVOC	BIP
Pre BIP	SS02984-A	TU521	J1.A.2.00196.1.0	2/16/2001	BIP_PRE	71	0	0.25	EXP	BIP
Pre BIP	SS02984-A	TU522	J1.A.2.00196.1.D	2/16/2001	BIP_PRE	71	0	0.25	EXP	BIP
Post BIP	SS02984-A	TU523	J1.A.2.00196.2.0	2/16/2001	BIP_POST	71	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post BIP	SS02984-A	TU524	J1.A.2.00196.2.D	2/16/2001	BIP_POST	71	0	0.25	EXP, Metals, SVOC, VOC	BIP
Post BIP	SS02999-A	TT099	J1.A.3.00008.3.0	11/6/2000	BIP_POST	72	0	0.5	EXP	BIP
Post BIP	SS03000-A	TT964	J1.A.3.00009.3.0	11/6/2000	BIP_POST	72	0	0.5	EXP	BIP
Post BIP	SSJ1IAP003	ECC0021507J1IAP01 (post)		2/20/2007	BIP_POST	72	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Post BIP	SSJ1IAP003	ECC0021507J1IAP01 (post_D		2/20/2007	BIP_POST	72	0	0.25	EXP, Metals, PCNs, SVOC	BIP
BIP Supplemental Sampling	J1200182R	AS570	HDJ1200182RSS7	8/27/2001	BIP_SS	I66	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200182R	AS571	HDJ1200182RSS8	8/27/2001	BIP_SS	I66	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200182R	AS572	HDJ1200182RSS1D	8/27/2001	BIP_SS	I66	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200182R	AS747	HDJ1200182RSS1	8/27/2001	BIP_SS	I66	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200182R	AS748	HDJ1200182RSS2	8/27/2001	BIP_SS	I66	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200182R	AS749	HDJ1200182RSS3	8/27/2001	BIP_SS	I66	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200182R	AS750	HDJ1200182RSS4	8/27/2001	BIP_SS	I66	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200182R	AS751	HDJ1200182RSS5	8/27/2001	BIP_SS	I66	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1200182R	AS752	HDJ1200182RSS6	8/27/2001	BIP_SS	I66	0	0.25	EXP	BIP
BIP Post Excavation	J1200182R	AX498	HDJ1200182RPE1	1/14/2002	BIP_PE	I66	1	1.25	EXP	BIP
BIP Post Excavation	J1200182R	AX499	HDJ1200182RPE2	1/14/2002	BIP_PE	I66	1	1.25	EXP	BIP
BIP Post Excavation	J1200182R	AX500	HDJ1200182RPE3	1/14/2002	BIP_PE	I66	1	1.25	EXP	BIP
Post BIP	J1200182R	TU208	J1.A.2.00182.3.0	1/15/2001	BIP_POST	I66	0	0.5	EXP	BIP
Post BIP	SS02843-A	TT592	J1.A.2.00056.3.0	9/25/2000	BIP_POST	I69	0	0.5	EXP	BIP
Post BIP	SS02844-A	TT593	J1.A.2.00057.3.0	9/25/2000	BIP_POST	I69	0	0.5	EXP	BIP
Post BIP	SS02845-A	TT594	J1.A.2.00058.3.0	9/25/2000	BIP_POST	I69	0	0.5	EXP	BIP
Post BIP	SS02891-A	TT900	J1.A.2.00104.3.0	10/20/2000	BIP_POST	I69	0	0.75	EXP	BIP
Post BIP	SS02905-A	TT885	J1.A.2.00118.3.0	10/20/2000	BIP_POST	I70	0	0.25	EXP	BIP
Post BIP	SS02906-A	TT887	J1.A.2.00119.3.0	10/20/2000	BIP_POST	I70	0	0.5	EXP	BIP
Post BIP	SS02919-A	TT875	J1.A.2.00132.3.0	10/20/2000	BIP_POST	I70	0	0.5	EXP	BIP
Post BIP	SS02942-A	TT948	J1.A.2.00155.3.0	10/30/2000	BIP_POST	I70	0	0.5	EXP	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
Post BIP	SS02960-A	TU207	J1.A.2.00173.3.0	1/15/2001	BIP_POST	J65	0	1	EXP	BIP
Post BIP	SS02822-A	TT492	J1.A.2.00035.3.0	9/1/2000	BIP_POST	J66	0	0.5	EXP	BIP
Post BIP	SSJ1IAP001	ECC020807J1IAP01 (post)		2/20/2007	BIP_POST	J66	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1IAP001	ECC020807J1IAP01 (pre)		2/14/2007	BIP_PRE	J66	0	0.25	EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	BIP_PRE	J66	1	1.25	EXP, Metals, PCNs, SVOC	BIP
Post BIP	SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	BIP_POST	J66	1	1.25	EXP, Metals, PCNs, SVOC	BIP
BIP Post Excavation	SSRDST0015	RDST0015_PE1		10/18/2006	BIP_PE	J66	0	0.25	Metals	BIP
BIP Post Excavation	SSRDST0015	RDST0015_PE2		10/18/2006	BIP_PE	J66	0	0.25	Metals	BIP
BIP Post Excavation	SSRDST0015	RDST0015_PE3		10/18/2006	BIP_PE	J66	0	0.25	Metals	BIP
BIP Supplemental Sampling	J1A200106	AS444	HDJ1A200106SS1	8/21/2001	BIP_SS	J67	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200106	AS445	HDJ1A200106SS2	8/21/2001	BIP_SS	J67	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200106	AS446	HDJ1A200106SS4	8/21/2001	BIP_SS	J67	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200106	AS447	HDJ1A200106SS3	8/21/2001	BIP_SS	J67	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200106	AS448	HDJ1A200106SS5	8/21/2001	BIP_SS	J67	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200106	AS449	HDJ1A200106SS6	8/21/2001	BIP_SS	J67	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200106	AS450	HDJ1A200106SS8	8/21/2001	BIP_SS	J67	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200106	AS451	HDJ1A200106SS7	8/21/2001	BIP_SS	J67	0	0.25	EXP	BIP
BIP Supplemental Sampling	J1A200106	AX495	HDJ1200106PE1	1/14/2002	BIP_PE	J67	1	1.25	EXP	BIP
BIP Supplemental Sampling	J1A200106	AX496	HDJ1200106PE2	1/14/2002	BIP_PE	J67	1	1.25	EXP	BIP
BIP Supplemental Sampling	J1A200106	AX497	HDJ1200106PE3	1/14/2002	BIP_PE	J67	1	1.25	EXP	BIP
Post BIP	SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	BIP_POST	J68	0	0.25	Cyanide, EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	BIP_PRE	J68	0	0.25	Cyanide, EXP, Metals, PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1SPL004	J1SPL004_SS1		12/27/2006	BIP_SS	J68	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL004	J1SPL004_SS2		12/27/2006	BIP_SS	J68	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL004	J1SPL004_SS3		12/27/2006	BIP_SS	J68	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL004	J1SPL004_SS4		12/27/2006	BIP_SS	J68	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL004	J1SPL004_SS5		12/27/2006	BIP_SS	J68	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL004	J1SPL004_SS6		12/27/2006	BIP_SS	J68	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL004	J1SPL004_SS7		12/27/2006	BIP_SS	J68	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL004	J1SPL004_SS8		12/27/2006	BIP_SS	J68	0	0.25	Metals	BIP
Post BIP	SS02890-A	TT901	J1.A.2.00103.3.0	10/20/2000	BIP_POST	J71	0	0.5	EXP	BIP
Post BIP	SS02998-A	TT102	J1.A.3.00007.3.0	11/6/2000	BIP_POST	J72	0	0.75	EXP	BIP
Post BIP	SS02952-A	TT949	J1.A.2.00165.3.0	10/30/2000	BIP_POST	K66	0	0.5	EXP	BIP
Post BIP	SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	BIP_POST	K66	0	0.25	Cyanide, EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	BIP_PRE	K66	0	0.25	Cyanide, EXP, Metals, PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1SPL002	J1SPL002_SS1		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL002	J1SPL002_SS3		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL002	J1SPL002_SS4		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL002	J1SPL002_SS5		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL002	J1SPL002_SS7		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL002	J1SPL002_SS8		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
Post BIP	SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	BIP_POST	K66	0	0.25	Cyanide, EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	BIP_PRE	K66	0	0.25	Cyanide, EXP, Metals, PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1SPL003	J1SPL003_SS1		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL003	J1SPL003_SS2		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL003	J1SPL003_SS3		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL003	J1SPL003_SS5		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP

TABLE 4-2
J-1 Range Sample Identification and Analysis

J-1 Feature	Location	Sample ID	Sample Num 2	Date	Sort Type	Grid ID	Start sample depth (ft)	End Sample Depth (ft)	Analytical Method	Plan
BIP Supplemental Sampling	SSJ1SPL003	J1SPL003_SS6		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL003	J1SPL003_SS7		12/27/2006	BIP_SS	K66	0	0.25	Metals	BIP
Post BIP	SS02950-A	TT951	J1.A.2.00163.3.0	10/30/2000	BIP_POST	K67	0	1	EXP	BIP
Post BIP	SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	BIP_POST	K67	0	0.25	Cyanide, EXP, Metals, PCNs, SVOC	BIP
Pre BIP	SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	BIP_PRE	K67	0	0.25	Cyanide, EXP, Metals, PCNs, SVOC	BIP
BIP Supplemental Sampling	SSJ1SPL001	J1SPL001_SS1		12/27/2006	BIP_SS	K67	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL001	J1SPL001_SS2		12/27/2006	BIP_SS	K67	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL001	J1SPL001_SS3		12/27/2006	BIP_SS	K67	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL001	J1SPL001_SS4		12/27/2006	BIP_SS	K67	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL001	J1SPL001_SS5		12/27/2006	BIP_SS	K67	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL001	J1SPL001_SS6		12/27/2006	BIP_SS	K67	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL001	J1SPL001_SS7		12/27/2006	BIP_SS	K67	0	0.25	Metals	BIP
BIP Supplemental Sampling	SSJ1SPL001	J1SPL001_SS8		12/27/2006	BIP_SS	K67	0	0.25	Metals	BIP
Post BIP	SS02917-A	TT877	J1.A.2.00130.3.0	10/20/2000	BIP_POST	K71	0	1	EXP	BIP

SC - Composite Sample
SD - Discrete Sample
BIP - Blow in Place
BLP - Burial Pit
BNP - Burn Pit
SB- Soil Boring
EXP - Explosives
Herb - Herbicides
PCBs - Polychlorinated Biphenyls
Pest - Pesticides
VOC - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
TOC - Total Organic Carbon
RAD-U- Radionuclides-Uranium
perc- Perchlorate
FSP04 - Phase 1 Field Sampling Plan, Area 4
FSP05 - Phase 1 Field Sampling Plan, Area 5
FSPTA - Phae 1 Field Sampling Plan, Tank Alley and Turpentine Road
JLWP- Final J-1, J-3 and L Ranges Work Plan
ADWP1- Additional Delineation Work Plan No. 1
ADWP2- Additional Delineation Work Plan No. 2
RR - Rapid Response
MSP - Munitions Survey Program
SSWP- Supplemental Soil Workplan
CIA- Central Impact Area
General - Wet Chemistry Parameters - E350.2 ammonia as N, E353.2 nitrate/nitrite and/or E365.2 total phosphorous.

TABLES

4-3 and 4-4

Presented on CD Only

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
Rows 0 to 6											
SS15137-A	05AJ-02		1/27/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	3400		8.07	120	ug/Kg	J2
SS15137-A	05AJ-02		1/27/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	520		11.3	120	ug/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	MAGNESIUM	1230		27.7	27.7	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101	J	101	101	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CVOL	ACETONE	7	J	7	7	ug/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CPEST	P,P'-DDT	3	J	3	3	ug/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CPEST	P,P'-DDE	2.1	J	2.1	2.1	ug/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	ZINC	28.3		0.677	0.677	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	VANADIUM	16.8		0.349	0.349	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	SELENIUM	1	J	1	1.03	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	POTASSIUM	385		47.9	47.9	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	NICKEL	6.5		0.458	0.458	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	MANGANESE	79.3	J	0.0655	0.0655	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	LEAD	17.7	J	0.393	0.393	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	IRON	10800		5.59	5.59	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	BARIUM	11.6		0.917	0.917	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	E350.2	NITROGEN, AMMONIA (AS N)	10.7		10.7	10.7	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.07	J	0.07	0.07	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	SW8151A	MCPA	6600	NJ	6600	6600	ug/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	MOLYBDENUM	0.6	J	0.327	0.327	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	ARSENIC	3.5		0.786	0.786	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	COPPER	17.4		0.502	0.502	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	BERYLLIUM	0.22		0.0218	0.0218	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	CADMIUM	1.1		0.0655	0.0655	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	CALCIUM	128		22.9	22.9	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	CHROMIUM, TOTAL	11.3		0.24	0.24	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	COBALT	3.2		0.371	0.371	mg/Kg	J2
CP05A	B05AAA	B05AAA	1/15/1998	CL200.7	ALUMINUM	9550	J	2.68	2.68	mg/Kg	J2
SS05AB	AW970	HC05AB1AAA	12/10/2001	SW8270	N-NITROSODIPHENYLAMINE	32	J	32	380	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CPEST	GAMMA-CHLORDANE	6		0.297	2	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	SILVER	1		0.3	0.3	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	VANADIUM	22.3		0.42	0.42	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	ZINC	19.8	J	0.3	0.3	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CPEST	ALPHA-CHLORDANE	5.4	J	0.285	2	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	POTASSIUM	586		46.7	46.7	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CPEST	P,P'-DDT	2.3	J	1.63	3.8	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	210	J	76	380	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	SW8270	2,4-DINITROTOLUENE	250	J	35.8	380	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	MANGANESE	65.2	J	0.28	0.28	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	SW8270	DI-N-BUTYL PHTHALATE	160	J	71.5	380	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	NICKEL	5.5	J	0.4	0.4	mg/Kg	J3

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AB	AW970	HC05AB1AAA	12/10/2001	CVOL	ACETONE	92		3.81	10	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	3.6	10	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	SW8270	BENZOIC ACID	110	J	110	960	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	43.4	J	1.5	2.8	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	SELENIUM	0.24	J	0.24	0.24	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	13100		0	0	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	MAGNESIUM	1100		39	39	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.041	J	0.0043	0.01	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	2400		23.7	120	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	400	J	17.6	120	ug/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	ALUMINUM	8340		4.7	4.7	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	ARSENIC	3.3	J	0.3	0.3	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	LEAD	18.2		0.12	0.12	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	BERYLLIUM	0.31		0.04	0.04	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	CALCIUM	233	J	63.9	63.9	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	CHROMIUM, TOTAL	10.2	J	0.24	0.24	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	COBALT	3.4		0.5	0.5	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	COPPER	10.2		0.2	0.2	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	IRON	9820	J	3.6	3.6	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	98	J	1	2.2	mg/Kg	J3
SS05AB	AW970	HC05AB1AAA	12/10/2001	CL200.7	BARIUM	12		1.8	1.8	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	SILVER	0.4	J	0.32	0.32	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	POTASSIUM	635		49.6	49.6	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	NICKEL	5.6	J	0.43	0.43	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	VANADIUM	19.6		0.45	0.45	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	MANGANESE	61.4	J	0.3	0.3	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	SW8270	DI-N-BUTYL PHTHALATE	42	J	42	380	ug/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	10	ug/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	ZINC	17.5	J	0.32	0.32	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CPEST	P,P'-DDE	5.5		0.523	3.9	ug/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CPEST	P,P'-DDT	5.4		1.63	3.9	ug/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	SW8270	BENZOIC ACID	88	J	88	970	ug/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CVOL	ACETONE	58		3.81	10	ug/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	COPPER	8.2		0.21	0.21	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	94	J	76	380	ug/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	10400		0	0	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	LEAD	27.3		0.13	0.13	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	MAGNESIUM	1140		41.4	41.4	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114	J	1	2.3	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	11.2	J	1.5	2.8	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.091	J	0.0043	0.01	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	ALUMINUM	9830		5	5	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	BARIUM	13.1		1.9	1.9	mg/Kg	J3

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	BERYLLIUM	0.33		0.04	0.04	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	CALCIUM	192	J	67.9	67.9	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	CHROMIUM, TOTAL	11.2	J	0.26	0.26	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	COBALT	3.1		0.53	0.53	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	IRON	10400	J	3.8	3.8	mg/Kg	J3
SS05AB	AW971	HC05AB1BAA	12/10/2001	CL200.7	ARSENIC	3.9	J	0.32	0.32	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	11	ug/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CPEST	P,P'-DDE	3.2	J	0.523	3.8	ug/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	POTASSIUM	516		47.3	47.3	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	SILVER	0.65		0.3	0.3	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	VANADIUM	16.7		0.43	0.43	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	ZINC	16.3	J	0.3	0.3	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CPEST	ALPHA-CHLORDANE	2.1		0.285	2	ug/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	NICKEL	24		0.41	0.41	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CPEST	P,P'-DDT	4.1		1.63	3.8	ug/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	1300	J	76	380	ug/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	SW8270	BENZOIC ACID	170	J	170	960	ug/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	SW8270	DI-N-BUTYL PHTHALATE	83	J	71.5	380	ug/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	255	J	1	2.2	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CVOL	TOLUENE	2	J	2	11	ug/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	MOLYBDENUM	2.2	J	0.5	0.59	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CVOL	ACETONE	100		3.81	11	ug/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.097	J	0.0043	0.01	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	14.5	J	1.5	2.7	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	14000		0	0	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	140		23.7	120	ug/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	ALUMINUM	7040		4.8	4.8	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	ARSENIC	3.4	J	0.3	0.3	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	BARIUM	10.2		1.8	1.8	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	BERYLLIUM	0.24		0.04	0.04	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	CHROMIUM, TOTAL	11.5	J	0.24	0.24	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	COBALT	3		0.51	0.51	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	COPPER	11.4		0.2	0.2	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	IRON	8760	J	3.7	3.7	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	LEAD	16		0.12	0.12	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	MAGNESIUM	971		39.5	39.5	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	CALCIUM	180	J	64.7	64.7	mg/Kg	J3
SS05AC	AW973	HC05AC1AAA	12/10/2001	CL200.7	MANGANESE	59	J	0.28	0.28	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	11	ug/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	MAGNESIUM	1000		40	40	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	MANGANESE	65.9	J	0.29	0.29	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	NICKEL	10.3	J	0.41	0.41	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	POTASSIUM	523		47.8	47.8	mg/Kg	J3

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	VANADIUM	17.9		0.43	0.43	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	ZINC	15.2	J	0.31	0.31	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CPEST	ALPHA-CHLORDANE	1.8	J	0.285	2	ug/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CPEST	P,P'-DDE	2.2	J	0.523	3.8	ug/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	SW8270	BENZOIC ACID	70	J	70	960	ug/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	LEAD	13.1		0.12	0.12	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CVOL	ACETONE	43		3.81	11	ug/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CPEST	P,P'-DDT	2.8	J	1.63	3.8	ug/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	ALUMINUM	8140		4.8	4.8	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	IRON	9500	J	3.7	3.7	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	99.5	J	1	1.8	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.14		0.0043	0.01	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	8050		0	0	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	ARSENIC	3.5	J	0.31	0.31	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	BARIUM	11.9		1.8	1.8	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	BERYLLIUM	0.24		0.04	0.04	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	CALCIUM	187	J	65.5	65.5	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	CHROMIUM, TOTAL	9.6	J	0.25	0.25	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	COBALT	2.8		0.51	0.51	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	CL200.7	COPPER	9.6		0.21	0.21	mg/Kg	J3
SS05AC	AW974	HC05AC1BAA	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	15.3	J	1.5	2.7	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	MAGNESIUM	1130		40.6	40.6	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CPEST	ALPHA-CHLORDANE	1.2	J	0.285	2	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	MANGANESE	66.9	J	0.29	0.29	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	NICKEL	5.4	J	0.42	0.42	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	POTASSIUM	593		48.6	48.6	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	VANADIUM	19.6		0.44	0.44	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	9	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	ZINC	18.3	J	0.31	0.31	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	SW8270	2,4-DINITROTOLUENE	520		35.8	380	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	SW8270	2,6-DINITROTOLUENE	31	J	31	380	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	SW8270	BENZOIC ACID	82	J	82	960	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	SW8270	DI-N-BUTYL PHTHALATE	900		71.5	380	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CVOL	ACETONE	37		3.81	9	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	SW8270	N-NITROSODIPHENYLAMINE	85	J	85	380	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	13.5	J	1.5	2.7	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	LEAD	23.6		0.13	0.13	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	8470		0	0	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.11		0.0043	0.01	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	3600		23.7	120	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	370	J	17.6	120	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	ALUMINUM	7690		4.9	4.9	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	BARIUM	10.6		1.9	1.9	mg/Kg	J3

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	CALCIUM	160	J	66.6	66.6	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	CHROMIUM, TOTAL	9	J	0.25	0.25	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	490		76	380	ug/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	COBALT	2.8		0.52	0.52	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	COPPER	34.4		0.21	0.21	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	IRON	8780	J	3.8	3.8	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	CL200.7	BERYLLIUM	0.29		0.04	0.04	mg/Kg	J3
SS05AD	AW976	HC05AD1AAA	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103	J	1	2.2	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	11	ug/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	COPPER	6.3		0.19	0.19	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	MAGNESIUM	1270		36.9	36.9	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	MANGANESE	69	J	0.27	0.27	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	NICKEL	6	J	0.38	0.38	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	POTASSIUM	639		44.2	44.2	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	VANADIUM	16.3		0.4	0.4	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	ZINC	15.8	J	0.28	0.28	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CVOL	ACETONE	60		3.81	11	ug/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	COBALT	3.5		0.47	0.47	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CPEST	P,P'-DDE	1.9	J	0.523	3.7	ug/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	SW8270	BENZOIC ACID	32	J	32	930	ug/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.6	J	1.5	2.6	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	LEAD	7.6		0.11	0.11	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	CHROMIUM, TOTAL	10.5	J	0.23	0.23	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	SW8270	DIETHYL PHTHALATE	18	J	18	370	ug/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	IRON	9400	J	3.4	3.4	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	99.6	J	1	2.2	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	6440		0	0	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.12		0.0043	0.01	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160		23.7	120	ug/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	ALUMINUM	8870		4.5	4.5	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	ARSENIC	3.2	J	0.28	0.28	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	BARIUM	12.1		1.7	1.7	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	BERYLLIUM	0.32		0.04	0.04	mg/Kg	J3
SS05AD	AW977	HC05AD1BAA	12/10/2001	CL200.7	CALCIUM	132	J	60.5	60.5	mg/Kg	J3
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	CHROMIUM, TOTAL	4.4		0.22	0.22	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	VANADIUM	7.4		0.37	0.37	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	ALUMINUM	3510		3.4	3.4	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	BARIUM	6.8		1.2	1.2	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	BORON	3.2		0.35	0.35	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	CADMIUM	0.18	J	0.09	0.09	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	CALCIUM	91.1		23.8	23.8	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	COBALT	1.8		0.54	0.54	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	COPPER	3.3		0.26	0.26	mg/Kg	I2

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	IRON	4880		5.9	5.9	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	LEAD	4.6		0.15	0.15	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	MAGNESIUM	602		24.5	24.5	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	MANGANESE	82.7		0.15	0.15	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	MOLYBDENUM	0.52	J	0.3	0.3	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	POTASSIUM	323		23	23	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	ZINC	9.5	J	0.19	0.19	mg/Kg	I2
SS05A1	BC641	HC05A11AAA	5/1/2002	CL200.7	NICKEL	3.4		0.52	0.52	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	IRON	5330		6.6	6.6	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	MOLYBDENUM	0.61	J	0.33	0.33	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	ALUMINUM	3460		3.8	3.8	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	COBALT	1.8		0.6	0.6	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	ZINC	9.2	J	0.21	0.21	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	VANADIUM	8.1		0.41	0.41	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	NICKEL	3.1		0.58	0.58	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	MANGANESE	78.5		0.17	0.17	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	MAGNESIUM	574		27.2	27.2	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	LEAD	3.8		0.17	0.17	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	COPPER	3		0.29	0.29	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	CHROMIUM, TOTAL	4.5		0.25	0.25	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	CALCIUM	86		26.5	26.5	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	CADMIUM	0.15	J	0.1	0.1	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	BORON	3.4		0.39	0.39	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	BARIUM	6.3		1.3	1.3	mg/Kg	I2
SS05A1	BC642	HC05A11BAA	5/1/2002	CL200.7	POTASSIUM	298		25.6	25.6	mg/Kg	I2
SS05A1	BC757	HD05A11BAA	5/1/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	8	ug/Kg	I2
SS05A1	BC757	HD05A11BAA	5/1/2002	CVOL	ACETONE	81		3.81	8	ug/Kg	I2
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	VANADIUM	16.4		0.45	0.45	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	MANGANESE	94.9		0.18	0.18	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	ZINC	15.9	J	0.2	0.2	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	ALUMINUM	8560		4.4	4.4	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	POTASSIUM	866		27.6	27.6	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	MOLYBDENUM	0.8		0.27	0.27	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	MAGNESIUM	1460		29.4	29.4	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	LEAD	7.7		0.18	0.18	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	IRON	10100		3.8	3.8	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	ARSENIC	3.5		0.49	0.49	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	NICKEL	5.7		0.53	0.53	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	ANTIMONY	1.5	J	0.89	0.89	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	COPPER	8		0.31	0.31	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	BARIUM	15.8		0.78	0.78	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	BERYLLIUM	0.32		0.02	0.02	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	CALCIUM	213		28.5	28.5	mg/Kg	I1

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	CHROMIUM, TOTAL	12.1		0.31	0.31	mg/Kg	I1
SS05A2	BC645	HC05A21AAA	5/1/2002	CL200.7	COBALT	2.2		0.47	0.47	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	LEAD	7		0.18	0.18	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	BERYLLIUM	0.31		0.02	0.02	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	ZINC	15.2	J	0.2	0.2	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	VANADIUM	14.2		0.44	0.44	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	POTASSIUM	646		27.2	27.2	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	NICKEL	5.6		0.53	0.53	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	MOLYBDENUM	0.61		0.26	0.26	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	MANGANESE	102		0.18	0.18	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	MAGNESIUM	1260		29	29	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	370	ug/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	ALUMINUM	8630		4.3	4.3	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	COPPER	5.5		0.31	0.31	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	COBALT	2.4		0.46	0.46	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	CALCIUM	120		28.1	28.1	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	BARIUM	13.3		0.77	0.77	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	ARSENIC	3		0.59	0.59	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	IRON	9210		3.7	3.7	mg/Kg	I1
SS05A2	BC646	HC05A21BAA	5/1/2002	CL200.7	CHROMIUM, TOTAL	10.8		0.31	0.31	mg/Kg	I1
SS05A3	BC736	HC05A31AAA	5/2/2002	SW8270	CHRYSENE	19	J	19	370	ug/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	SW8270	BENZO(K)FLUORANTHENE	20	J	20	370	ug/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	VANADIUM	12.1		0.41	0.41	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	LEAD	6.3		0.16	0.16	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	ZINC	11.6	J	0.18	0.18	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	POTASSIUM	477		25.4	25.4	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	NICKEL	4.5		0.49	0.49	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	MOLYBDENUM	0.56		0.25	0.25	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	MANGANESE	58.2		0.16	0.16	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	MAGNESIUM	902		27	27	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	ALUMINUM	4280		4	4	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	COPPER	6.5		0.29	0.29	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	COBALT	1.5		0.43	0.43	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	CHROMIUM, TOTAL	6.7		0.29	0.29	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	CALCIUM	151		26.2	26.2	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	BERYLLIUM	0.21		0.02	0.02	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	BARIUM	7.7		0.72	0.72	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	ARSENIC	2.7		0.45	0.45	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	ANTIMONY	1.3	J	0.82	0.82	mg/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	SW8270	BENZO(B)FLUORANTHENE	31	J	31	370	ug/Kg	I2
SS05A3	BC736	HC05A31AAA	5/2/2002	CL200.7	IRON	6720		3.5	3.5	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	MAGNESIUM	1250		29.2	29.2	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	MANGANESE	79.4		0.18	0.18	mg/Kg	I2

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	MOLYBDENUM	0.74		0.27	0.27	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	NICKEL	4.6		0.53	0.53	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	POTASSIUM	689		27.4	27.4	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	VANADIUM	14.2		0.44	0.44	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	LEAD	7.7		0.18	0.18	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	33	J	33	370	ug/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	CHROMIUM, TOTAL	9		0.31	0.31	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	ZINC	15	J	0.2	0.2	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	COBALT	2.2		0.46	0.46	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	CALCIUM	238		28.3	28.3	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	BERYLLIUM	0.26		0.02	0.02	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	BARIUM	12.8		0.77	0.77	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	ARSENIC	3.1		0.6	0.6	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	ALUMINUM	6840		4.4	4.4	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	IRON	8900		3.8	3.8	mg/Kg	I2
SS05A3	BC737	HC05A31BAA	5/2/2002	CL200.7	COPPER	7.3		0.31	0.31	mg/Kg	I2
SSJ1I201	J1I201-A		10/6/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	250		15	120	ug/Kg	J2
CP05G	B05GBA	B05GBA	4/13/1998	CVOL	CHLOROFORM	2	J	2	2	ug/Kg	L1
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	MAGNESIUM	1620		2.23	907	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	389	J	19.9	390	ug/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	ZINC	138		0.11	3.63	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	VANADIUM	15.6		0.16	9.07	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	SODIUM	100	J	55	907	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	POTASSIUM	419	J	3.47	907	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	MANGANESE	189		0.05	2.72	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	SW8270C	NAPHTHALENE	52.3	J	51.5	390	ug/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	IRON	23600		6.19	18.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	COPPER	1640		0.22	4.54	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	COBALT	3	J	0.18	9.07	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	18		0.2	1.81	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	CALCIUM	1310		1.9	907	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_390_VOA	STYRENE	8.56	J	1.6	16	ug/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	NICKEL	10.4		0.22	7.26	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_390_VOA	ACETONE	93.3		1.6	16	ug/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	CADMIUM	1.7		0.07	0.91	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_390_VOA	BROMOMETHANE	7.33	J	1.6	16	ug/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_390_VOA	ETHYLBENZENE	2.97	J	1.6	16	ug/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_390_VOA	BENZENE	18.8		1.6	16	ug/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_390_VOA	TOLUENE	9.72	J	1.6	16	ug/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_390_VOA	XYLENES, TOTAL	6.45	J	1.6	16	ug/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	ALUMINUM	8460		2.72	36.3	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	ARSENIC	3.8		0.69	1.81	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	BARIUM	16.9	J	0.05	36.3	mg/Kg	L2

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	BERYLLIUM	0.25	J	0.02	0.91	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_ILM04.1	BORON	34.3		0.22	2.72	mg/Kg	L2
J1 Polygon	J1.A.T1.PT01.3.0		3/16/2002	CLP_390_VOA	CARBON DISULFIDE	2.94	J	1.6	16	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	CALCIUM	595	J	1.68	802	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	NICKEL	6.5		0.19	6.41	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	COBALT	3.5	J	0.16	8.02	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	IRON	13900		5.47	16	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	MAGNESIUM	1280		1.97	802	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	MANGANESE	153		0.05	2.41	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	POTASSIUM	409	J	3.06	802	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	SODIUM	96.3	J	48.6	802	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	VANADIUM	15.3		0.14	8.02	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	ZINC	69.7		0.1	3.21	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	178	J	19.5	382	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	SW8270C	PHENANTHRENE	48	J	47	382	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	CADMIUM	1		0.06	0.8	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	SW8270C	DI-N-BUTYL PHTHALATE	62.7	J	48.2	382	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_390_VOA	TOLUENE	19		1.83	18.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	COPPER	1130		0.19	4.01	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_390_VOA	ACETONE	110		1.83	18.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	SW8330_MMR	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	2460		2.2	100	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_390_VOA	BROMOMETHANE	5.96	J	1.83	18.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_390_VOA	CARBON DISULFIDE	6.01	J	1.83	18.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_390_VOA	BENZENE	38.4		1.83	18.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_390_VOA	STYRENE	5.06	J	1.83	18.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	BORON	14		0.19	2.41	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_390_VOA	XYLENES, TOTAL	7.77	J	1.83	18.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.0HG	MERCURY	0.02	J	0.02	0.03	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	ALUMINUM	8590		2.41	32.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	ARSENIC	4		0.61	1.6	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	BARIUM	14.6	J	0.05	32.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	BERYLLIUM	0.27	J	0.02	0.8	mg/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_390_VOA	ETHYLBENZENE	4.33	J	1.83	18.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PT02.3.0		3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	14.5		0.18	1.6	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	SODIUM	77.7	J	39.1	646	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	CALCIUM	526	J	1.36	646	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	14.4		0.14	1.29	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	COBALT	2	J	0.13	6.46	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	COPPER	821		0.16	3.23	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	IRON	10700		4.4	12.9	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	MAGNESIUM	880		1.59	646	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	CADMIUM	3.6		0.05	0.65	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	POTASSIUM	404	J	2.47	646	mg/Kg	L2

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	MANGANESE	98.9		0.04	1.94	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	VANADIUM	11.5		0.12	6.46	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	ZINC	126		0.08	2.58	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	121	J	20.5	403	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	SW8270C	DI-N-BUTYL PHTHALATE	100	J	50.7	403	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	SW8330_MMR	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1000		2.2	100	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.64	UJ	0.14	0.65	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_390_VOA	ACETONE	48.9		1	10	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	NICKEL	5.3		0.16	5.17	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_390_VOA	2-BUTANONE	3.71	J	1	10	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	BORON	19.6		0.16	1.94	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_390_VOA	BENZENE	16.4		1	10	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_390_VOA	BROMOMETHANE	4.01	J	1	10	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_390_VOA	CARBON DISULFIDE	2.26	J	1	10	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_390_VOA	ETHYLBENZENE	1.28	J	1	10	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_390_VOA	STYRENE	2.95	J	1	10	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_390_VOA	TOLUENE	7.14	J	1	10	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_390_VOA	XYLENES, TOTAL	2.45	J	1	10	ug/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.0HG	MERCURY	0.02	J	0.01	0.03	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	ALUMINUM	6120		1.94	25.8	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	ARSENIC	3		0.49	1.29	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	BARIUM	11.6	J	0.04	25.8	mg/Kg	L2
J1 Polygon	J1.A.T1.PT03.3.0		3/16/2002	CLP_ILM04.1	BERYLLIUM	0.23	J	0.01	0.65	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	SW8270C	BENZOIC ACID	317	J	119	773	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	COBALT	6.1	J	0.19	9.35	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	COPPER	1060		0.22	4.68	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	IRON	20400		6.38	18.7	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	MAGNESIUM	2880		2.3	935	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	MANGANESE	227		0.06	2.81	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.86	UJ	0.21	0.94	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	NICKEL	16.7		0.22	7.48	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	POTASSIUM	595	J	3.57	935	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	SODIUM	109	J	56.7	935	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	SW8330_MMR	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	3980		2.2	100	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	ZINC	104		0.11	3.74	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	CALCIUM	764	J	1.96	935	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	45.2	J	19.7	387	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	SW8270C	PHENANTHRENE	53	J	47.6	387	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	CADMIUM	0.39	J	0.07	0.94	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	VANADIUM	18.4		0.17	9.35	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_390_VOA	ACETONE	91.8		0.951	9.51	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	20.5		0.21	1.87	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_390_VOA	2-BUTANONE	22.6	J	0.951	9.51	ug/Kg	L2

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_390_VOA	BENZENE	13.4		0.951	9.51	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_390_VOA	BROMOMETHANE	1.26	J	0.951	9.51	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_390_VOA	CARBON DISULFIDE	1.5	J	0.951	9.51	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_390_VOA	ETHYLBENZENE	4.15	J	0.951	9.51	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_390_VOA	STYRENE	8.05	J	0.951	9.51	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_390_VOA	TOLUENE	7.86	J	0.951	9.51	ug/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.0HG	MERCURY	0.06		0.02	0.03	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	ALUMINUM	11600		2.81	37.4	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	ARSENIC	4.3		0.71	1.87	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	BARIUM	19.9	J	0.06	37.4	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	BERYLLIUM	0.4	J	0.02	0.94	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_ILM04.1	BORON	21.3		0.22	2.81	mg/Kg	L2
J1 Polygon	J1.A.T1.PT04.3.0		3/16/2002	CLP_390_VOA	XYLENES, TOTAL	4.65	J	0.951	9.51	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	SW8270C	2-METHYLNAPHTHALENE	44	J	37.3	389	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	56.8		0.18	1.67	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	COBALT	4.2	J	0.17	8.34	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	COPPER	2170		0.4	8.34	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	IRON	39300		5.68	16.7	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	MAGNESIUM	1250		2.05	834	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	SW8270C	PHENANTHRENE	84.8	J	47.9	389	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	MANGANESE	407		0.05	2.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	POTASSIUM	454	J	3.18	834	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	SODIUM	139	J	50.5	834	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	SW8270C	NAPHTHALENE	109	J	51.4	389	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	ZINC	152		0.1	3.33	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	SW8270C	BENZOIC ACID	368	J	120	778	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	54	J	19.8	389	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	CALCIUM	3040		1.75	834	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_390_VOA	TOLUENE	9.66		0.881	8.81	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	VANADIUM	15.3		0.15	8.34	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	SILVER	0.31	J	0.2	1.67	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	SW8330_MMR	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	65400		22	1000	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_390_VOA	2-BUTANONE	16.6	J	0.881	8.81	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_390_VOA	ACETONE	64.3		0.881	8.81	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_390_VOA	BENZENE	23		0.881	8.81	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_390_VOA	BROMOMETHANE	1.89	J	0.881	8.81	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_390_VOA	CARBON DISULFIDE	1.52	J	0.881	8.81	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.0HG	MERCURY	0.15		0.02	0.03	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_390_VOA	STYRENE	6.08	J	0.881	8.81	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	CADMIUM	0.63	J	0.07	0.83	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_390_VOA	XYLENES, TOTAL	4.5	J	0.881	8.81	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	ALUMINUM	8550		2.5	33.3	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	ARSENIC	5.3		0.63	1.67	mg/Kg	L2

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	BARIUM	34.9		0.05	33.3	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	BERYLLIUM	0.26	J	0.02	0.83	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	BORON	58.4		0.2	2.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_390_VOA	ETHYLBENZENE	2.43	J	0.881	8.81	ug/Kg	L2
J1 Polygon	J1.A.T1.PT05.3.0		3/16/2002	CLP_ILM04.1	NICKEL	11.9		0.2	6.67	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	VANADIUM	14.2		0.14	7.75	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	COBALT	2.8	J	0.16	7.75	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	COPPER	962		0.19	3.88	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	IRON	12200		5.29	15.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	MAGNESIUM	1370		1.91	775	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	MANGANESE	109		0.05	2.33	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.7	UJ	0.17	0.78	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_390_VOA	2-HEXANONE	3.54	J	0.795	7.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	POTASSIUM	391	J	2.96	775	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	13.8		0.17	1.55	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	ZINC	46.6		0.09	3.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	SW8270C	BENZOIC ACID	331	J	120	775	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	34.5	J	19.8	388	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	SW8270C	NAPHTHALENE	61.3	J	51.2	388	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	SW8330_MMR	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	16400		11	500	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	NICKEL	7		0.19	6.2	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	CADMIUM	0.25	J	0.06	0.78	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	SODIUM	81.1	J	47	775	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	CALCIUM	1100		1.63	775	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_390_VOA	ACETONE	54.7		0.795	7.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	BORON	12.3		0.19	2.33	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	BERYLLIUM	0.3	J	0.02	0.78	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	BARIUM	18.6	J	0.05	31	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	ARSENIC	3.9		0.59	1.55	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.1	ALUMINUM	7840		2.33	31	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_390_VOA	CARBON DISULFIDE	1.8	J	0.795	7.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_ILM04.0HG	MERCURY	0.04		0.02	0.03	mg/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_390_VOA	BROMOMETHANE	2.49	J	0.795	7.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_390_VOA	ETHYLBENZENE	1.78	J	0.795	7.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_390_VOA	STYRENE	4.02	J	0.795	7.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_390_VOA	TOLUENE	10.8		0.795	7.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_390_VOA	XYLENES, TOTAL	2.88	J	0.795	7.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT06.3.0		3/16/2002	CLP_390_VOA	BENZENE	29		0.795	7.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	48.6	J	20	392	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	IRON	14700		4.27	12.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	VANADIUM	18.6		0.11	6.25	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	MAGNESIUM	1330		1.54	625	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	MANGANESE	110		0.04	1.88	mg/Kg	L2

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	COPPER	1870		0.3	6.25	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	NICKEL	6.8		0.15	5	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	POTASSIUM	510	J	2.39	625	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	SODIUM	94.7	J	37.9	625	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	ZINC	61		0.08	2.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	SW8270_PCN	1,2,3,4-TETRACHLORONAPHTHALENE	57.6		3.92	19.6	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	SW8330_MMR	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	43300		22	1000	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	SW8270C	BENZOIC ACID	136	J	121	784	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	SW8270C	NAPHTHALENE	61.1	J	51.7	392	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	SW8270C	PHENANTHRENE	54.1	J	48.2	392	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_390_VOA	TOLUENE	34.5		0.995	9.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	COBALT	2.7	J	0.13	6.25	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	SW8270_PCN	1,4-DICHLORONAPHTHALENE	178		3.92	19.6	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_390_VOA	ACETONE	226		0.995	9.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.0HG	MERCURY	0.08		0.02	0.03	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_390_VOA	2-BUTANONE	41.7	J	0.995	9.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	21.6		0.14	1.25	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_390_VOA	BENZENE	75.6		0.995	9.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_390_VOA	BROMOMETHANE	7.23	J	0.995	9.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_390_VOA	CARBON DISULFIDE	3.49	J	0.995	9.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_390_VOA	ETHYLBENZENE	10.2		0.995	9.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_390_VOA	STYRENE	18.2		0.995	9.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	BORON	37.3		0.15	1.88	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_390_VOA	XYLENES, TOTAL	13.8		0.995	9.95	ug/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	CADMIUM	0.24	J	0.05	0.63	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	BERYLLIUM	0.3	J	0.01	0.63	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	BARIUM	25	J	0.04	25	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	ARSENIC	4.7		0.48	1.25	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	ALUMINUM	11100		1.88	25	mg/Kg	L2
J1 Polygon	J1.A.T1.PT07.3.0		3/16/2002	CLP_ILM04.1	CALCIUM	1020		1.31	625	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	51.9	J	21.5	422	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	MANGANESE	173		0.05	2.55	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	ZINC	116		0.1	3.4	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	NICKEL	7.3		0.2	6.8	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	POTASSIUM	503	J	3.25	850	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	MAGNESIUM	1120		2.09	850	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	SODIUM	120	J	51.5	850	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	VANADIUM	16		0.15	8.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	SW8330_MMR	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	3140	J	2.2	100	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	SW8270C	PHENANTHRENE	181	J	51.9	422	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	SW8270_PCN	1,2,3,5,8-PENTACHLORONAPHTHALENE	24.9		4.22	21.1	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	SW8270C	NAPHTHALENE	226	J	55.7	422	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	SW8270C	BENZOIC ACID	638	J	130	844	ug/Kg	L2

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	SW8270C	FLUORANTHENE	95.8	J	92.5	422	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	SW8270C	FLUORENE	74.3	J	64.6	422	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	IRON	17300		5.8	17	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.0HG	MERCURY	0.09		0.02	0.04	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	SW8270C	2-METHYLNAPHTHALENE	60.8	J	40.5	422	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_390_VOA	STYRENE	15.5		1.39	13.9	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	COPPER	1020		0.2	4.25	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	ARSENIC	4.5		0.65	1.7	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_390_VOA	ACETONE	101		1.39	13.9	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_390_VOA	BENZENE	50.9		1.39	13.9	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_390_VOA	ETHYLBENZENE	3.86	J	1.39	13.9	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_390_VOA	TOLUENE	17.2		1.39	13.9	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_390_VOA	XYLENES, TOTAL	5.19	J	1.39	13.9	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	CALCIUM	6950		1.78	850	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	COBALT	2.7	J	0.17	8.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_390_VOA	BROMOMETHANE	1.73	J	1.39	13.9	ug/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	26		0.19	1.7	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	ALUMINUM	9050		2.55	34	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	CADMIUM	0.53	J	0.07	0.85	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	BORON	86.2		0.2	2.55	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	BERYLLIUM	0.28	J	0.02	0.85	mg/Kg	L2
J1 Polygon	J1.A.T1.PT08.3.0		3/16/2002	CLP_ILM04.1	BARIUM	41		0.05	34	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	ZINC	49.1		0.1	3.45	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	19.2		0.19	1.73	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	NICKEL	5.9	J	0.21	6.9	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	POTASSIUM	549	J	3.3	863	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	SELENIUM	0.6	UJ	0.55	0.86	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	SODIUM	106	J	52.3	863	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	VANADIUM	18.1		0.16	8.63	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	MANGANESE	91.8		0.05	2.59	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	SW8270C	2-METHYLNAPHTHALENE	58.8	J	38.7	403	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	60.4	J	20.5	403	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	SW8270C	FLUORANTHENE	154	J	88.2	403	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	SW8270C	FLUORENE	76.5	J	61.6	403	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	SW8270C	NAPHTHALENE	187	J	53.2	403	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	SW8270C	PHENANTHRENE	242	J	49.5	403	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	CALCIUM	1600		1.81	863	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	MAGNESIUM	1460		2.12	863	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	SW8270C	PYRENE	129	J	82.2	403	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_390_VOA	TOLUENE	18.3		1.81	18	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.54	UJ	0.19	0.86	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	IRON	11700		5.89	17.3	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_390_VOA	ACETONE	74.6		1.81	18	ug/Kg	L2

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_390_VOA	BENZENE	44.5		1.81	18	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_390_VOA	STYRENE	22.2		1.81	18	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_390_VOA	XYLENES, TOTAL	8.48	J	1.81	18	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.0HG	MERCURY	0.22		0.02	0.04	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	CADMIUM	0.45	J	0.07	0.86	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	COPPER	352		0.21	4.31	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_390_VOA	ETHYLBENZENE	4.89	J	1.81	18	ug/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	COBALT	2.6	J	0.17	8.63	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	ALUMINUM	8910		2.59	34.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	BORON	10.5		0.21	2.59	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	BERYLLIUM	0.27	J	0.02	0.86	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	BARIUM	19.3	J	0.05	34.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PT09.3.0		3/16/2002	CLP_ILM04.1	ARSENIC	3.6		0.66	1.73	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	ZINC	31.6		0.08	2.81	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	PHENANTHRENE	400		48.6	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	MAGNESIUM	1060		1.73	702	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.43	UJ	0.15	0.7	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	MANGANESE	54.4		0.04	2.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	POTASSIUM	429	J	2.68	702	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	SODIUM	60.2	J	42.5	702	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	VANADIUM	13.5		0.13	7.02	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	IRON	8670		4.78	14	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	2-METHYLNAPHTHALENE	77.5	J	37.9	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	ACENAPHTHYLENE	134	J	130	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	BENZO(A)ANTHRACENE	38.3	J	37.9	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	BENZO(A)PYRENE	33.6	J	33.2	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	33.2	J	20.2	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	CHRYSENE	68.4	J	51	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	FLUORANTHENE	318	J	86.5	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	NAPHTHALENE	264	J	52.2	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	PYRENE	200	J	80.6	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8270C	FLUORENE	101	J	60.5	395	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	NICKEL	4.4	J	0.17	5.61	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	COPPER	665		0.17	3.51	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	SW8330_MMR	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	401		2.2	100	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_390_VOA	2-BUTANONE	19.8		1.14	11.4	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_390_VOA	ACETONE	70.4		1.14	11.4	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_390_VOA	BENZENE	775		1.14	11.4	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_390_VOA	BROMOMETHANE	2.79	J	1.14	11.4	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_390_VOA	ETHYLBENZENE	66.5		1.14	11.4	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_390_VOA	STYRENE	224		1.14	11.4	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_390_VOA	TOLUENE	264		1.14	11.4	ug/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_390_VOA	XYLENES, TOTAL	56.8		1.14	11.4	ug/Kg	L2

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	COBALT	1.7	J	0.14	7.02	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	ALUMINUM	7770		2.1	28.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	ARSENIC	3		0.53	1.4	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	BARIUM	13	J	0.04	28.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	BERYLLIUM	0.2	J	0.01	0.7	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	BORON	12.9		0.17	2.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	CADMIUM	0.1	J	0.06	0.7	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	CALCIUM	248	J	1.47	702	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	11.9		0.15	1.4	mg/Kg	L2
J1 Polygon	J1.A.T1.PT10.3.0		3/16/2002	CLP_ILM04.0HG	MERCURY	0.11		0.02	0.04	mg/Kg	L2
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	2,3,4,6,7,8-HXCDF	0.53	J		0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	1,2,3,7,8-PECDD	1.71	J		0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	1,2,3,7,8,9-HXCDF	0.216	J		0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	1,2,3,7,8,9-HXCDD	4.45			0.24159	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	1,2,3,6,7,8-HXCDD	4.15			0.23615	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	1,2,3,4,7,8-HXCDD	1.43	J		0.26825	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	1,2,3,4,7,8,9-HPCDF	0.379	J		0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	2,3,4,7,8-PECDF	0.412	J		0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	1,2,3,4,6,7,8-HPCDD	70.6			0.22799	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	TOTAL HPCDFS	11.3			0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	1,2,3,4,6,7,8-HPCDF	2.91			0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	2,3,7,8-TCDD	0.871			0.24957	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	2,3,7,8-TCDF	0.55			0.11499	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	OCDD	2580			0.49643	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	TOTAL PECDFS	4.63			0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	TOTAL HPCDDS	135			0.22799	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	TOTAL HXCDDS	48.5			0.24794	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	TOTAL HXCDFS	5.72			0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	TOTAL PECDDS	21.8			0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	31.2	J	20.6	405	ug/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	IRON	13300		5.6	16.4	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	OCDF	12.4			0.45344	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	MAGNESIUM	893		2.02	820	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	ALUMINUM	44400		2.46	32.8	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	BARIUM	39.4		0.05	32.8	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	BERYLLIUM	0.27	J	0.02	0.82	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	BORON	32.8		0.2	2.46	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	CADMIUM	11.5		0.07	0.82	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	CALCIUM	502	J	1.72	820	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	CHROMIUM, TOTAL	26.6		0.18	1.64	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	COBALT	2.3	J	0.16	8.2	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	MANGANESE	224		0.05	2.46	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	1,2,3,6,7,8-HXCDF	0.521	J		0.22672	PG/G	L1

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1HG	MERCURY	0.21		0.02	0.03	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	TOTAL TCDDS	15.1			0.24957	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	MOLYBDENUM	0.58	J	0.18	0.82	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	NICKEL	25.7		0.2	6.56	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	POTASSIUM	363	J	3.13	820	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	SELENIUM	1.1		0.53	0.82	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	SILVER	0.56	J	0.2	1.64	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	SODIUM	78.9	J	49.7	820	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	VANADIUM	15.5		0.15	8.2	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	ZINC	307		0.1	3.28	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	CLP_ILM04.1	COPPER	1580		0.2	4.1	mg/Kg	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	1,2,3,4,7,8-HXCDF	0.568	J		0.22672	PG/G	L1
J1 Polygon	J1.F.T1.001.3.0	TA472	2/13/2002	SW8290	TOTAL TCDFS	11.6			0.11499	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	OCDF	4.48		0.5467	0.41201	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	1,2,3,4,6,7,8-HpCDF	4.57		0.1652	0.20601	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	1,2,3,4,7,8,9-HpCDF	0.442	J	0.2607	0.206	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	1,2,3,4,7,8-HxCDD	0.849	J	0.2552	0.32318	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	1,2,3,4,7,8-HxCDF	1.01	J	0.143	0.20601	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	1,2,3,6,7,8-HxCDD	2.48		0.2052	0.28462	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	1,2,3,6,7,8-HxCDF	0.776	J	0.2388	0.20601	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	1,2,3,7,8,9-HxCDD	2.21		0.4997	0.29121	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	1,2,3,7,8-PeCDD	0.816	J	0.2775	0.20601	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	1,2,3,7,8-PeCDF	0.206	J	0.2554	0.206	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	1,2,3,4,6,7,8-HpCDD	47.9		0.3536	0.27934	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	2,3,7,8-TCDF	0.588		0.0773	0.11701	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	2,3,7,8-TCDD	0.349	J	0.0793	0.247	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	Total HpCDDs	88.2			0.27934	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	Total HpCDFs	8.32			0.20601	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	Total HxCDDs	25.3			0.29879	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	Total HxCDFs	8.45			0.20601	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	Total PeCDDs	7.43			0.20601	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	Total PeCDFs	5.4			0.20601	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	Total TCDDs	3.7			0.24671	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	Total TCDFs	7.49			0.11701	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	2,3,4,6,7,8-HxCDF	1.19	J	0.366	0.20666	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	COBALT	1.7	J	0.16	7.89	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	ALUMINUM	5210		2.37	31.6	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8290	OCDD	1410		0.8801	0.98783	PG/G	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	SW8270C	DI-N-BUTYL PHTHALATE	126	J	46.4	368	ug/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	BARIUM	8.6	J	0.05	31.6	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	BERYLLIUM	0.17	J	0.02	0.79	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	BORON	23.1		0.19	2.37	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	CADMIUM	2.3		0.06	0.79	mg/Kg	L1

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	CHROMIUM, TOTAL	5.5		0.17	1.58	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	ANTIMONY	0.7	J	0.66	9.47	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	COPPER	82.7		0.19	3.94	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_390_VOA	ACETONE	8.04	J	1.18	11.8	ug/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	ZINC	105		0.09	3.16	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	VANADIUM	7.8	J	0.14	7.89	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	SODIUM	71.5	J	47.8	789	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	CALCIUM	112	J	1.66	789	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	POTASSIUM	252	J	3.01	789	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	IRON	5580		5.38	15.8	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	NICKEL	4.2	J	0.19	6.31	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_390_VOA	TRICHLOROETHENE(TCE)	1.52	J	1.18	11.8	ug/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	MOLYBDENUM	0.32	J	0.17	0.79	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	MANGANESE	77.1		0.05	2.37	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.3.0	TA495	2/27/2002	CLP_ILM05.0	MAGNESIUM	752	J	1.94	789	mg/Kg	L1
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	COPPER	1500		0.075	2.6702	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	BERYLLIUM	0.17	J	0.021	0.534	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	ARSENIC	1.2		0.28	1.0681	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	CADMIUM	0.12	J	0.032	0.534	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	CALCIUM	442	J	13.5	534.034	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	ALUMINUM	6390		1.9	21.3614	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	CHROMIUM, TOTAL	7.9		0.085	1.0681	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	COBALT	1.1	J	0.12	5.3403	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	BARIUM	13.8	J	0.13	21.3614	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	ZINC	13.8		0.16	2.1361	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	LEAD	316		0.18	0.3204	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	MAGNESIUM	583		9.7	534.034	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	MANGANESE	49.5		0.2	1.6021	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	POTASSIUM	226	J	11.7	534.034	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	SELENIUM	5.3		0.38	0.534	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	VANADIUM	10.4		0.15	5.3403	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	IRON	8700		2.1	10.6807	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW6010B	NICKEL	5.4		0.15	4.2723	mg/Kg	
SS15230-A	ECC041604J102 (po_c)		4/30/2004	SW8270C	NAPHTHALENE	39	J	32.8	360	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	CHRYSENE	1000		30.6	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	DIBENZ(A,H)ANTHRACENE	210	J	77.7	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	FLUORANTHENE	2000		85.2	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	FLUORENE	75	J	47.5	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	INDENO(1,2,3-C,D)PYRENE	600		76	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	PHENANTHRENE	1000		31	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	BERYLLIUM	0.2	J	0.022	0.5556	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	BENZO(K)FLUORANTHENE	970		45	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	PYRENE	2300		88.6	390	ug/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW7471A	MERCURY	0.025	J	0.02	0.0471	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	ALUMINUM	8120		2	22.2237	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	ANTIMONY	0.49	J	0.3	6.6671	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	ARSENIC	3		0.29	1.1112	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	BARIUM	14.7	J	0.13	22.2237	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	CADMIUM	0.3	J	0.033	0.5556	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	CHROMIUM, TOTAL	27.7		0.089	1.1112	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	COBALT	2	J	0.12	5.5559	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	COPPER	31		0.078	2.778	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	IRON	9560		2.1	11.1119	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	LEAD	39.4		0.19	0.3334	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	CALCIUM	136	J	14.1	555.593	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	MANGANESE	52.9		0.21	1.6668	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	BENZO(G,H,I)PERYLENE	670		55.5	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	MOLYBDENUM	5		0.11	1.1112	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	NICKEL	29.2		0.16	4.4447	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	POTASSIUM	265	J	12.1	555.593	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	SILVER	0.31	J	0.11	1.1112	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	VANADIUM	15.5		0.16	5.5559	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	ZINC	21.2		0.17	2.2224	mg/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	ACENAPHTHYLENE	43	J	24	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	ANTHRACENE	140	J	32.4	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	BENZO(A)ANTHRACENE	930		36.3	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	BENZO(A)PYRENE	860		40.5	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW8270C	BENZO(B)FLUORANTHENE	1100		65	390	ug/Kg	
SS15230-A	ECC041604J102 (pre)		4/29/2004	SW6010B	MAGNESIUM	732		10	555.593	mg/Kg	
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	ARSENIC	5		0.66	1.2677	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	MANGANESE	85.7		0.24	1.9016	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	BARIUM	17.9	J	1.9	25.3546	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	BERYLLIUM	0.41	J	0.025	0.6339	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	BORON	1.7	J	1.3	12.6773	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	CALCIUM	124	J	65.1	633.866	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	ALUMINUM	19600		6.9	25.3546	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	COBALT	2.9	J	0.51	6.3387	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	COPPER	107		0.39	3.1693	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	IRON	14600		10.7	25.3546	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	ANTIMONY	1.8	J	1.6	7.6064	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	MAGNESIUM	1990		51.4	633.866	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	CADMIUM	0.42	J	0.076	0.6339	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW7471A	MERCURY	0.03	J	0.019	0.0466	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	MOLYBDENUM	0.93	J	0.51	1.2677	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	NICKEL	7.7		0.57	5.0709	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	POTASSIUM	529	J	83.7	633.866	mg/Kg	I2

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	SILVER	0.29	J	0.24	1.2677	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	VANADIUM	24.2		0.61	6.3387	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	ZINC	178		0.22	2.5355	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW8270C	2-NITRODIPHENYLAMINE	140	J	31.1	420	ug/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	LEAD	22.4		0.37	1.2677	mg/Kg	I2
SSJ1I2-BLP-001	J1I2-BLP-001 (stp)		11/17/2005	SW6010B	CHROMIUM, TOTAL	24.7		0.19	1.2677	mg/Kg	I2
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	MOLYBDENUM	0.46	J	0.11	0.9292	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	380		1.41	13	ug/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW9012A	CYANIDE	2.4		0.54	0.54	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	ZINC	183		0.18	1.8583	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	VANADIUM	20.4		0.37	4.6458	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	SILVER	0.14	J	0.084	0.9292	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	SELENIUM	0.93		0.29	0.4646	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	NICKEL	7		0.27	3.7166	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	MANGANESE	81.4		0.093	1.3937	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	MAGNESIUM	1620		22.5	464.576	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	LEAD	51.3		0.11	0.2787	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	BARIUM	13.5	J	1.1	18.583	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	51		1.24	13	ug/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	ALUMINUM	12900		3.3	18.583	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	POTASSIUM	627		31.5	464.576	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	ARSENIC	4.4		0.54	0.9292	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	IRON	13600		3.3	9.2915	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	BERYLLIUM	0.33	J	0.046	0.4646	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	CADMIUM	0.26	J	0.046	0.4646	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	CALCIUM	135	J	33.5	464.576	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	CHROMIUM, TOTAL	13.9		0.1	0.9292	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	COBALT	2.9	J	0.32	4.6458	mg/Kg	I1
SSJ1P20001	ECC100404J101 (post)		10/14/2004	SW6010B	COPPER	156		0.24	2.3229	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	IRON	14100		4.3	11.9999	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	BERYLLIUM	0.37	J	0.06	0.6	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	CHROMIUM, TOTAL	14.7		0.13	1.2	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	CALCIUM	161	J	43.2	599.995	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	BORON	1.8	J	0.8	11.9999	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	BARIUM	14.7	J	1.5	23.9998	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	ARSENIC	4.5		0.7	1.2	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	ALUMINUM	13200		4.2	23.9998	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	COBALT	2.7	J	0.41	6	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	VANADIUM	21.9		0.48	6	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	LEAD	9.1		0.14	0.36	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	CADMIUM	0.23	J	0.06	0.6	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	ZINC	125		0.23	2.4	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	SELENIUM	1.2		0.52	0.6	mg/Kg	I1

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	COPPER	7		0.31	3	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	POTASSIUM	581	J	40.6	599.995	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	NICKEL	7.2		0.35	4.8	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	MOLYBDENUM	0.45	J	0.14	1.2	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	MANGANESE	82.1		0.12	1.8	mg/Kg	I1
SSJ1P20001	ECC100404J101 (pre)		10/13/2004	SW6010B	MAGNESIUM	1500		29.1	599.995	mg/Kg	I1
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	BERYLLIUM	0.13		0.03	0.041	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	COPPER	3120		0.34	0.39	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	MANGANESE	60.1		0.08	0.082	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	MAGNESIUM	619		28.1	40.8	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	LEAD	22.9		0.207	0.207	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	IRON	10100		4.21	5.26	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	MOLYBDENUM	0.58	J	0.308	0.308	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	COBALT	1.1		0.26	0.513	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	CHROMIUM, TOTAL	18.5		0.14	0.185	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	CALCIUM	150		29	47	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	NICKEL	6.4		0.3	0.349	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	BORON	30.1		0.554	0.554	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CSVOL	ACENAPHTHYLENE	33	J	24.6	360	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	BARIUM	8.6		1.18	1.6	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	ALUMINUM	7130		2.5	2.93	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	CADMIUM	2.3		0.0621	0.0621	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CSVOL	PHENANTHRENE	34	J	25.3	360	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CVOL	XYLENES, TOTAL	6	J	0.93	11	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CVOL	TOLUENE	9	J	0.32	11	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CVOL	STYRENE	19		0.32	11	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CVOL	ETHYLBENZENE	3	J	0.43	11	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CVOL	BENZENE	7	J	0.41	11	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	ZINC	173		0.29	0.331	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CSVOL	PHENOL	53	J	28.8	360	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	POTASSIUM	360		47.2	49.2	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CSVOL	NAPHTHALENE	76	J	27.1	360	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	230	J	79.8	360	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CSVOL	2-METHYLNAPHTHALENE	25	J	25	360	ug/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	VANADIUM	11.4		0.36	0.656	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	SILVER	0.35	J	0.17	0.328	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CL200.7	SELENIUM	2.9	J	0.492	0.492	mg/Kg	J5
SSJRANGEA	AD585	HDJRANGEA	9/30/1999	CSVOL	PYRENE	33	J	31.5	360	ug/Kg	J5
Rows 7 to 29											
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	VANADIUM	10.3		0.156	1	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	CALCIUM	115	J	29	68	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	CHROMIUM, TOTAL	13.2		0.14	0.35	mg/Kg	J8

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	COBALT	2.3		0.0832	1	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	IRON	8500		4	7	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	MAGNESIUM	1020		28	72	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	MANGANESE	94.1		0.08	0.31	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	MOLYBDENUM	1.2	J	0.0383	1	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	CADMIUM	2		0.07	0.19	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	POTASSIUM	398		47	122	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	COPPER	88	J	0.34	0.39	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	ZINC	42.9		0.0554	1	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	140	J	123	350	ug/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CVOL	BENZENE	0.8	J	0.41	8	ug/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CVOL	BROMOMETHANE	1	J	0.49	8	ug/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	2	8	ug/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CVOL	METHYLENE CHLORIDE	40		0.23	8	ug/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	ALUMINUM	7080		2	3	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	NICKEL	17.6		0.11	1	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	BARIUM	420		1	3	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	ARSENIC	3	J	1	1	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	ANTIMONY	1.7	J	0.5	1	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	LEAD	1100		0.32	0.35	mg/Kg	J8
SS02839-A	TT513	J1.A.2.00052.2.0	9/1/2000	CL200.7	BERYLLIUM	0.23		0.03	0.06	mg/Kg	J8
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	BERYLLIUM	1		0.021	0.5295	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	NICKEL	3.9	J	0.15	4.2357	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	SELENIUM	0.62		0.38	0.5295	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	VANADIUM	13		0.15	5.2946	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	ZINC	13.6		0.16	2.1179	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	BORON	8.5	J	0.19	10.5893	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	MOLYBDENUM	2.3		0.11	1.0589	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	BARIUM	12.3	J	0.13	21.1786	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	ARSENIC	36.6		0.28	1.0589	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	ALUMINUM	4350		1.9	21.1786	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	CADMIUM	0.3	J	0.032	0.5295	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	CHROMIUM, TOTAL	10.2		0.085	1.0589	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	MANGANESE	133		0.2	1.5884	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	MAGNESIUM	804		9.6	529.465	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	LEAD	43.6		0.18	0.3177	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	IRON	27000		2	10.5893	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	COPPER	161		0.074	2.6473	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	COBALT	2.3	J	0.12	5.2946	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW7471A	MERCURY	0.02	J	0.015	0.0357	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	POTASSIUM	392	J	11.6	529.465	mg/Kg	J29
SS15228-A	ECC041404J102 (po_c)		4/30/2004	SW6010B	CALCIUM	170	J	13.4	529.465	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	NICKEL	5.7		0.14	4.1196	mg/Kg	J29

J - Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	POTASSIUM	387	J	11.3	514.954	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	VANADIUM	11.6		0.14	5.1495	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	ZINC	18.1		0.15	2.0598	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	MANGANESE	145		0.2	1.5449	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	IRON	9810		2	10.2991	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	BARIUM	9.4	J	0.12	20.5982	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	MAGNESIUM	1440		9.3	514.954	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	BERYLLIUM	0.28	J	0.021	0.515	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	CADMIUM	0.09	J	0.031	0.515	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	CALCIUM	297	J	13	514.954	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	CHROMIUM, TOTAL	8.3		0.082	1.0299	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	COBALT	3.1	J	0.11	5.1495	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	COPPER	6.5		0.072	2.5748	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	ARSENIC	2.7		0.27	1.0299	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	LEAD	5.1		0.18	0.309	mg/Kg	J29
SS15228-A	ECC041404J102 (pre)		4/29/2004	SW6010B	ALUMINUM	5070		1.8	20.5982	mg/Kg	J29
SS15228-A	SS15228A_SS1		9/5/2006	SW6010B	ARSENIC	1.4		0.37	0.7958	mg/Kg	J29
SS15228-A	SS15228A_SS1		9/5/2006	SW6010B	BERYLLIUM	0.27	J	0.024	0.3979	mg/Kg	J29
SS15228-A	SS15228A_SS2		9/5/2006	SW6010B	ARSENIC	2.2		0.36	0.7619	mg/Kg	J29
SS15228-A	SS15228A_SS2		9/5/2006	SW6010B	BERYLLIUM	0.16	J	0.023	0.381	mg/Kg	J29
SS15228-A	SS15228A_SS3		9/5/2006	SW6010B	ARSENIC	2		0.37	0.7873	mg/Kg	J29
SS15228-A	SS15228A_SS3		9/5/2006	SW6010B	BERYLLIUM	0.21	J	0.024	0.3937	mg/Kg	J29
SS15228-A	SS15228A_SS4		9/5/2006	SW6010B	BERYLLIUM	0.22	J	0.023	0.383	mg/Kg	J29
SS15228-A	SS15228A_SS4		9/5/2006	SW6010B	ARSENIC	1.4		0.36	0.766	mg/Kg	J29
SS15228-A	SS15228A_SS5		9/5/2006	SW6010B	BERYLLIUM	0.31	J	0.024	0.3924	mg/Kg	J29
SS15228-A	SS15228A_SS5		9/5/2006	SW6010B	ARSENIC	2.1		0.37	0.7847	mg/Kg	J29
SS15228-A	SS15228A_SS6		9/5/2006	SW6010B	BERYLLIUM	0.3	J	0.026	0.4289	mg/Kg	J29
SS15228-A	SS15228A_SS6		9/5/2006	SW6010B	ARSENIC	3.2		0.4	0.8578	mg/Kg	J29
SS15228-A	SS15228A_SS7		9/5/2006	SW6010B	ARSENIC	1.7		0.37	0.7805	mg/Kg	J29
SS15228-A	SS15228A_SS7		9/5/2006	SW6010B	BERYLLIUM	0.21	J	0.023	0.3903	mg/Kg	J29
SS15228-A	SS15228A_SS8		9/5/2006	SW6010B	BERYLLIUM	0.17	J	0.023	0.3836	mg/Kg	J29
SS15228-A	SS15228A_SS8		9/5/2006	SW6010B	ARSENIC	2.3		0.36	0.7672	mg/Kg	J29
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	CALCIUM	138	J	14.1	556.235	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	LEAD	669		0.19	0.3337	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW9012A	CYANIDE	0.61		0.54	0.54	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	ZINC	23.7		0.17	2.2249	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	VANADIUM	14.8		0.16	5.5624	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	SELENIUM	3.8		0.4	0.5562	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	POTASSIUM	413	J	12.2	556.235	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	NICKEL	5.2		0.16	4.4499	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW7471A	MERCURY	0.032		0.016	0.0375	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	BERYLLIUM	0.28	J	0.022	0.5562	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	MAGNESIUM	906		10.1	556.235	mg/Kg	J17

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	ALUMINUM	6660		2	22.2494	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	IRON	11000		2.1	11.1247	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	COPPER	2830		0.078	2.7812	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	COBALT	2.2	J	0.12	5.5624	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	CHROMIUM, TOTAL	9		0.089	1.1125	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	CADMIUM	0.086	J	0.033	0.5562	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	BARIUM	10.4	J	0.13	22.2494	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	ARSENIC	2.9		0.29	1.1125	mg/Kg	J17
SSJ1RD018	ECC051404J101 (post_c)		6/4/2004	SW6010B	MANGANESE	71.9		0.21	1.6687	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	ALUMINUM	7580		2	22.9211	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	MOLYBDENUM	0.82	J	0.11	1.1461	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	ARSENIC	3.4		0.3	1.1461	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	VANADIUM	15.9		0.16	5.7303	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	ZINC	16.6		0.17	2.2921	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	NICKEL	4.8		0.16	4.5842	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW7471A	MERCURY	0.018	J	0.017	0.0409	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	MANGANESE	93		0.22	1.7191	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	MAGNESIUM	1210		10.4	573.027	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	LEAD	10.7		0.19	0.3438	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	COPPER	5.8		0.08	2.8651	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	COBALT	2.8	J	0.13	5.7303	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	CHROMIUM, TOTAL	9.3		0.092	1.1461	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	BARIUM	11.3	J	0.14	22.9211	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	CALCIUM	157	J	14.5	573.027	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	CADMIUM	0.11	J	0.034	0.573	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	IRON	9870		2.2	11.4605	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	BERYLLIUM	0.28	J	0.023	0.573	mg/Kg	J17
SSJ1RD018	ECC051404J101 (pre)		6/3/2004	SW6010B	POTASSIUM	500	U	12.5	573.027	mg/Kg	J17
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	ZINC	69.8		0.19	2.133	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	LEAD	47.1		0.16	0.3199	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	MANGANESE	108		0.053	1.5997	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	MOLYBDENUM	0.34	J	0.15	1.0665	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	NICKEL	8.7		0.17	4.266	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	POTASSIUM	478	J	21	533.248	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	VANADIUM	15.4		0.17	5.3325	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	COPPER	286		0.28	2.6662	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	IRON	11100		5.1	10.665	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	SELENIUM	0.55		0.34	0.5332	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	ARSENIC	4.2		0.32	1.0665	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	MAGNESIUM	1370		15	533.248	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW8330	2,4-DINITROTOLUENE	29		1.5	13	ug/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	COBALT	5	J	0.18	5.3325	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	ANTIMONY	0.42	J	0.36	6.399	mg/Kg	J15

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD022	ECC081104J101(post)		8/19/2004	E314.0	PERCHLORATE	2.8	J	1.4	4.4	ug/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	BARIUM	14.7	J	0.53	21.3299	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	BERYLLIUM	0.44	J	0.032	0.5332	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	BORON	1.3	J	0.32	10.665	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	CADMIUM	0.4	J	0.064	0.5332	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	CALCIUM	139	J	14.6	533.248	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	CHROMIUM, TOTAL	10.8		0.12	1.0665	mg/Kg	J15
SSJ1RD022	ECC081104J101(post)		8/19/2004	SW6010B	ALUMINUM	8910		3.5	21.3299	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	MAGNESIUM	1600		17.1	606.678	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	MANGANESE	91.6		0.061	1.82	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW7471A	MERCURY	0.028	J	0.017	0.0408	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	MOLYBDENUM	0.6	J	0.17	1.2134	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	NICKEL	8.1		0.19	4.8534	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	POTASSIUM	509	J	23.8	606.678	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	SELENIUM	0.77		0.39	0.6067	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	LEAD	10.3		0.18	0.364	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	ZINC	18		0.22	2.4267	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	BERYLLIUM	0.37	J	0.036	0.6067	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	VANADIUM	22.1		0.19	6.0668	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	IRON	13200		5.8	12.1336	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	COPPER	206		0.32	3.0334	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	COBALT	3.7	J	0.21	6.0668	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	CHROMIUM, TOTAL	16.4		0.13	1.2134	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	CALCIUM	128	J	16.6	606.678	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	BORON	1.3	J	0.36	12.1336	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	BARIUM	14.3	J	0.61	24.2671	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	ARSENIC	3.8		0.36	1.2134	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	ANTIMONY	0.62	J	0.41	7.2801	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	ALUMINUM	19400		4	24.2671	mg/Kg	J15
SSJ1RD022	ECC081104J101(pre)		8/19/2004	SW6010B	CADMIUM	0.42	J	0.073	0.6067	mg/Kg	J15
Rows 30 to 44											
AM030801-01	AN739	HDA030801AA	3/16/2001	CVOL	BENZENE	8		1.26	6	ug/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CVOL	TOLUENE	3	J	1.17	6	ug/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CVOL	STYRENE	1	J	1	6	ug/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	4.56	6	ug/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CVOL	BROMOMETHANE	6	J	1.66	6	ug/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CVOL	ACETONE	250	J	4.04	6	ug/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	ZINC	43.3		0.4	1.15	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	VANADIUM	25.5		0.335	0.335	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	POTASSIUM	436	J	100	284	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	NICKEL	14.4		0.311	0.311	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	MOLYBDENUM	14.6		0.287	0.287	mg/Kg	K41

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	MANGANESE	86.7		0.0718	0.0718	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	MAGNESIUM	875		82.5	159	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	ARSENIC	4.5		0.9	0.981	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CVOL	CHLOROMETHANE	3	J	1.22	6	ug/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	LEAD	15.6		0.2	0.311	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	ALUMINUM	14000		5.3	10	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	ANTIMONY	0.85	J	0.742	0.742	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	BARIUM	16.5		0.861	0.861	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	BERYLLIUM	0.21		0.0239	0.0239	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	CADMIUM	81.5		0.0478	0.0478	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	CALCIUM	278	J	98	173	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	CHROMIUM, TOTAL	78.6		0.2	0.335	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	COBALT	2.7		0.287	0.287	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	COPPER	294		0.598	0.598	mg/Kg	K41
AM030801-01	AN739	HDA030801AA	3/16/2001	CL200.7	IRON	18800		3.5	8.88	mg/Kg	K41
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	LEAD	616		3.86	3.86	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.06	0.06	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	BERYLLIUM	0.2		0.05	0.05	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	COPPER	2350		0.17	0.17	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	COBALT	7.7		0.33	0.33	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	CHROMIUM, TOTAL	38.8		0.21	0.21	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	CALCIUM	288		56.1	56.1	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	CADMIUM	33.3		0.4	0.4	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	IRON	49400		127	127	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	BARIUM	1140		0.59	0.59	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	ARSENIC	5.8		0.33	0.33	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	ANTIMONY	3.5		1.34	1.34	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	ALUMINUM	24600		39.1	39.1	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	SW8151A	PENTACHLOROPHENOL	37	J	7.6	7.6	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	SW8330	2,4-DINITROTOLUENE	200	J	200	200	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	MAGNESIUM	2720		18.8	18.8	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CSVOL	DI-N-OCTYLPHTHALATE	44	J	44	44	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	9300		9300	9300	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CPEST	ALPHA ENDOSULFAN	1.4	J	1.4	1.4	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	99.7		99.7	99.7	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CSVOL	PYRENE	42	J	42	42	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CSVOL	NAPHTHALENE	51	J	51	51	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CSVOL	2-METHYLNAPHTHALENE	94	J	94	94	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	3600		3600	3600	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	E350.2	NITROGEN, AMMONIA (AS N)	5.9		5.9	5.9	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CPEST	P,P'-DDE	2.7	J	2.7	2.7	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CPEST	ENDRIN	3	J	3	3	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	MANGANESE	369		1.56	1.56	mg/Kg	J39

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	ZINC	511	J	1.67	1.67	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	VANADIUM	29.6		0.75	0.75	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	SODIUM	67.3	J	14	14	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	SILVER	5.5		0.24	0.24	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	POTASSIUM	675		35.7	35.7	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	NICKEL	29		1.27	1.27	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CL200.7	MOLYBDENUM	29.5		0.39	0.39	mg/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CPEST	ENDRIN ALDEHYDE	4.7	J	4.7	4.7	ug/Kg	J39
CP05N	BG5DAAb	BG5DAA	3/26/1998	CSVOL	DI-N-BUTYL PHTHALATE	80	J	80	80	ug/Kg	J39
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	OCDD	3870		0.964	0.45113	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,4,7,8-HxCDF	0.911		0.1906	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,6,7,8-HxCDD	3.86		0.2248	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,6,7,8-HxCDF	0.365		0.2609	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,7,8,9-HxCDD	0.955		0.4624	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,7,8,9-HxCDF	0.411		0.2958	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,7,8-PeCDD	0.211		0.3039	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,7,8-PeCDF	0.186		0.2797	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	2,3,4,6,7,8-HxCDF	0.623		0.2306	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	LEAD	8.7		0.2	1.32	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	2,3,7,8-TCDF	0.263		0.0846	0.09023	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,4,6,7,8-HpCDF	13.3		0.181	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	OCDF	46.3		0.5983	0.45113	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	Total HpCDDs	191			0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	Total HpCDFs	54.9			0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	Total HxCDDs	14.3			0.62075	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	Total HxCDFs	18.7			0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	Total PeCDFs	2.98			0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	Total TCDFs	1.76			0.09023	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	2,3,4,7,8-PeCDF	0.41		0.1667	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	MAGNESIUM	1100		1.12	662	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.0HG	MERCURY	0.05		0.02	0.03	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	ALUMINUM	8590		1.8	26.5	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	ARSENIC	3.5		0.46	1.32	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	BARIUM	12.2	J	0.03	26.5	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	BERYLLIUM	0.29	J	0.01	0.66	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	CALCIUM	232	J	1.05	662	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	CHROMIUM, TOTAL	10.7	J	0.11	1.32	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	COBALT	2.5	J	0.08	6.62	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,4,7,8-HxCDD	0.408		0.202	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	IRON	12000		3.34	13.2	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,4,7,8,9-HpCDF	0.828		0.1071	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	MANGANESE	84.1		0.05	1.99	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	NICKEL	5.8	J	0.13	5.29	mg/Kg	H38

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mg/Kg = milligram per Kilogram

TABLE 4-3
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Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	POTASSIUM	400	J	2.45	662	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	THALLIUM	0.59	J	0.56	1.32	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	VANADIUM	15.8		0.17	6.62	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	ZINC	19		0.12	2.65	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	1,2,3,4,6,7,8-HpCDD	116		0.3873	0.22557	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	Total TCDDs	0.453			0.12108	PG/G	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	CLP_ILM04.1	COPPER	6.2		0.09	3.31	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.3.0	TA646	6/11/2002	SW8290	Total PeCDDs	1.09			0.44933	PG/G	H38
J1A200108	AS464	HDJ1A200108SS4	8/22/2001	SW8330	2,4-DINITROTOLUENE	600	J	20.2	120	ug/Kg	K39
J1A200108	AS469	HDJ1A200108SS7	8/22/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	2100	J	17.6	120	ug/Kg	K39
J1A200108	AS469	HDJ1A200108SS7	8/22/2001	SW8330	2,4-DINITROTOLUENE	1500	J	20.2	120	ug/Kg	K39
J1A200108	TT896	J1.A.2.00108.3.0	10/20/2000	SW8330	4-AMINO-2,6-DINITROTOLUENE	270	J	25	120	ug/Kg	K39
J1A200108	TT896	J1.A.2.00108.3.0	10/20/2000	SW8330	2-AMINO-4,6-DINITROTOLUENE	290	J	27	120	ug/Kg	K39
J1A200108	TT896	J1.A.2.00108.3.0	10/20/2000	SW8330	2,4,6-TRINITROTOLUENE	280		27	120	ug/Kg	K39
J1A200128	TT879	J1.A.2.00128.3.0	10/20/2000	SW8330	2,4,6-TRINITROTOLUENE	290	J	27	120	ug/Kg	J40
SS02777-A	TU140	J1.A.1.00043.1.0	12/28/2000	SW8330	TETRYL	39000	J	94	600	ug/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	MANGANESE	49		0.08	0.14	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CVOL	ACETONE	71	J	4	10	ug/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	ZINC	86.4		0.29	0.16	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	VANADIUM	12.6		0.36	0.24	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	NICKEL	4.4	J	0.3	0.26	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	COBALT	1.9	J	0.26	0.18	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	MAGNESIUM	755	J	25	25	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	LEAD	5.6		0.32	0.32	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	IRON	9500		4	5	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	POTASSIUM	315	J	47	48	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CVOL	BENZENE	5	J	0.41	10	ug/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CVOL	TOLUENE	3	J	0.32	10	ug/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	CHROMIUM, TOTAL	9.2		0.14	0.14	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	CALCIUM	107	J	28	28	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	CADMIUM	0.68	J	0.07	0.06	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	BERYLLIUM	0.15	J	0.03	0.04	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	BARIUM	10.6	J	1	1	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	ARSENIC	2.2		0.75	0.5	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	ALUMINUM	7880		2	6	mg/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	SW8330	TETRYL	1800000		94	24000	ug/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	SW8330	PICRIC ACID	640	J	17	120	ug/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CVOL	STYRENE	2	J	0.32	10	ug/Kg	M39
SS02777-A	TU141	J1.A.1.00043.2.0	12/28/2000	CL200.7	COPPER	11.8		0.34	0.3	mg/Kg	M39
SS03217-A	TA221	J1.F.T16.001.1.0	12/19/2001	SW9045C	PH	4.46		0	0	PH UNIT	H41
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	ALUMINUM	9710		2.5	2.54	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	SW8270	PYRENE	57	J	57	380	ug/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	SW8270	FLUORANTHENE	78	J	78	380	ug/Kg	K35

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AA	AK764	HC05AA1AAA	10/17/2000	SW8270	CHRYSENE	38	J	38	380	ug/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	SW8270	BENZO(K)FLUORANTHENE	46	J	46	380	ug/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	ZINC	18.6		0.29	0.716	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103	J	0.01	0.01	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	2970	J	0	0	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	VANADIUM	17.7		0.36	0.409	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	ANTIMONY	12	J	0.5	0.941	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	ARSENIC	3.4		0.75	0.859	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	BARIUM	16.1		0.839	0.839	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	SW8270	BENZO(B)FLUORANTHENE	36	J	36	380	ug/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	SELENIUM	2.2	J	0.61	2	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	SW8270	BENZO(A)PYRENE	18	J	18	380	ug/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.8		0.02	0.02	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	POTASSIUM	494		39.2	39.2	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	BERYLLIUM	0.23		0.0205	0.0205	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	NICKEL	7.5		0.3	0.43	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	MANGANESE	70.6		0.08	0.0818	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	LEAD	613		0.32	0.368	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	IRON	9860		4.21	5.19	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	COPPER	14.7		0.34	0.368	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	COBALT	3.3		0.26	0.327	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	CALCIUM	94.9		29	34.9	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	MAGNESIUM	1220		28.1	42.5	mg/Kg	K35
SS05AA	AK764	HC05AA1AAA	10/17/2000	CL200.7	CHROMIUM, TOTAL	12.6		0.14	0.225	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.1		0.02	0.02	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	CHROMIUM, TOTAL	11.5		0.14	0.209	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	BERYLLIUM	0.24		0.019	0.019	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	BARIUM	16.9		0.777	0.777	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.9	J	0.01	0.01	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	ALUMINUM	10000		2.35	2.35	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	3140	J	0	0	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	COBALT	3.4		0.26	0.303	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	ARSENIC	3.2		0.75	0.796	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	ZINC	16.9		0.29	0.664	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	COPPER	5.2		0.34	0.341	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	CALCIUM	93		29	32.4	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	MAGNESIUM	1180		28.1	39.4	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	MANGANESE	64.6		0.0758	0.0758	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	NICKEL	6.5		0.3	0.398	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	VANADIUM	17.2		0.36	0.379	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CVOL	ACETONE	89	J	4.34	8	ug/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	8	ug/Kg	K35

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	LEAD	97.3		0.32	0.341	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	IRON	9910		4.21	4.82	mg/Kg	K35
SS05AA	AK765	HD05AA3AAA	10/17/2000	CL200.7	POTASSIUM	540		36.4	36.4	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	SELENIUM	1	J	0.61	0.782	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	POTASSIUM	509		40.6	40.6	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86.7	J	0.01	0.01	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	3380	J	0	0	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.3		0.02	0.02	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	VANADIUM	18		0.36	0.423	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	BERYLLIUM	0.23		0.0211	0.0211	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	ALUMINUM	10600		2.5	2.62	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	ANTIMONY	8.8	J	0.5	0.973	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	ZINC	17.7		0.29	0.74	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	BARIUM	14.7		0.867	0.867	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	NICKEL	6.8		0.3	0.444	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	CALCIUM	90.2		29	36.1	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	CHROMIUM, TOTAL	13		0.14	0.233	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	COBALT	3.4		0.26	0.338	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	COPPER	10.8		0.34	0.381	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	IRON	10200		4.21	5.37	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	LEAD	343		0.32	0.381	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	MAGNESIUM	1220		28.1	44	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	MANGANESE	67.7		0.08	0.0846	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	MOLYBDENUM	0.78	J	0.49	0.656	mg/Kg	K35
SS05AA	AK766	HC05AA1BAA	10/17/2000	CL200.7	ARSENIC	3.5		0.75	0.888	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	VANADIUM	17.6		0.36	0.391	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	3120	J	0	0	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CVOL	TOLUENE	0.7	J	0.32	7	ug/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	1.8	7	ug/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CVOL	ACETONE	54	J	4.34	7	ug/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	ZINC	14.6		0.29	0.684	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	BARIUM	14		0.801	0.801	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	IRON	9990		4.21	4.96	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	COPPER	4.8		0.34	0.352	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	COBALT	3.5		0.26	0.313	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	CHROMIUM, TOTAL	11.8		0.14	0.215	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.01	0.01	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	CALCIUM	79.3		29	33.4	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	BERYLLIUM	0.24		0.0195	0.0195	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	ARSENIC	3.2		0.75	0.821	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	ALUMINUM	10800		2.42	2.42	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	4		0.02	0.02	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	84.5	J	0.01	0.01	mg/Kg	K35

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	LEAD	30		0.32	0.352	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	MAGNESIUM	1150		28.1	40.6	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	MANGANESE	73.3		0.0782	0.0782	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	NICKEL	6.2		0.3	0.41	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	POTASSIUM	475		37.5	37.5	mg/Kg	K35
SS05AA	AK767	HD05AA3BAA	10/17/2000	CL200.7	SELENIUM	1.2	J	0.61	0.723	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	MANGANESE	74.4		0.08	0.0889	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	NICKEL	7.6		0.3	0.467	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	ZINC	19		0.29	0.778	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	VANADIUM	19.4		0.36	0.445	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	SELENIUM	1.1	J	0.61	0.823	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	ARSENIC	3.1		0.75	0.934	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	99.2	J	0.01	0.01	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	3010	J	0	0	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.8		0.02	0.02	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	POTASSIUM	536		42.6	42.6	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	ANTIMONY	15.5	J	0.5	1.02	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	BARIUM	16.4		0.912	0.912	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	BERYLLIUM	0.24		0.0222	0.0222	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	CALCIUM	106		29	37.9	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	CHROMIUM, TOTAL	14.2		0.14	0.245	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	COBALT	3.7		0.26	0.356	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	COPPER	15.2		0.34	0.4	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	IRON	11600		4.21	5.65	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	LEAD	701		0.32	0.4	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	MAGNESIUM	1470		28.1	46.2	mg/Kg	K35
SS05AA	AK768	HC05AA1CAA	10/17/2000	CL200.7	ALUMINUM	10900		2.5	2.76	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	ANTIMONY	4.3	J	0.5	0.823	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	POTASSIUM	519		34.3	34.3	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	10	ug/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CVOL	ACETONE	44	J	4.34	10	ug/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	ZINC	15.7		0.29	0.626	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	VANADIUM	18.2		0.358	0.358	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	SELENIUM	0.83	J	0.61	0.662	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	BERYLLIUM	0.26		0.0179	0.0179	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	89.4	J	0.01	0.01	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	2830	J	0	0	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.8		0.02	0.02	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL245.5	MERCURY	0.22		0.0434	0.0512	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	ALUMINUM	10500		2.22	2.22	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	BARIUM	13.9		0.734	0.734	mg/Kg	K35

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	NICKEL	8		0.3	0.376	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	ARSENIC	2.8		0.75	0.752	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	CALCIUM	92.5		29	30.5	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	CHROMIUM, TOTAL	13.9		0.14	0.197	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	COBALT	3.6		0.26	0.286	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	COPPER	8.3		0.322	0.322	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	IRON	11100		4.21	4.55	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	LEAD	176		0.32	0.322	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	MAGNESIUM	1310		28.1	37.2	mg/Kg	K35
SS05AA	AK769	HD05AA3CAA	10/17/2000	CL200.7	MANGANESE	75.8		0.0716	0.0716	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	ZINC	17.3		0.29	0.624	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	VANADIUM	18.3		0.356	0.356	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	370	ug/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	POTASSIUM	487		34.2	34.2	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	ARSENIC	3.4		0.748	0.748	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	ANTIMONY	2.8	J	0.5	0.82	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	95.3	J	0.01	0.01	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	2860	J	0	0	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.7		0.02	0.02	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	BERYLLIUM	0.26		0.0178	0.0178	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	ALUMINUM	10600		2.21	2.21	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	NICKEL	6.4		0.3	0.374	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	BARIUM	14.4		0.73	0.73	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	CALCIUM	101		29	30.4	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	CHROMIUM, TOTAL	12.5		0.14	0.196	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	COBALT	3.6		0.26	0.285	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	COPPER	6.8		0.321	0.321	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	IRON	10900		4.21	4.52	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	MAGNESIUM	1380		28.1	37	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	LEAD	136		0.32	0.321	mg/Kg	K35
SS05AA	AK770	HC05AA1CAD	10/17/2000	CL200.7	MANGANESE	71		0.0713	0.0713	mg/Kg	K35
SS05AA	AK771	HC05AA1AAA	10/17/2000	LAL40	URANIUM-238	0.72	J	0.0001	0.08	PCI/G	K35
SS05AA	AK771	HC05AA1AAA	10/17/2000	LAL40	URANIUM-234	0.77	J	0.0001	0.13	PCI/G	K35
SS05AA	AK772	HD05AA3AAA	10/17/2000	LAL40	URANIUM-238	0.79	J	0.0001	0.08	PCI/G	K35
SS05AA	AK772	HD05AA3AAA	10/17/2000	LAL40	URANIUM-234	0.63	J	0.0001	0.08	PCI/G	K35
SS05AA	AK773	HC05AA1BAA	10/17/2000	LAL40	URANIUM-238	0.62	J	0.0001	0.09	PCI/G	K35
SS05AA	AK773	HC05AA1BAA	10/17/2000	LAL40	URANIUM-234	0.77	J	0.0001	0.16	PCI/G	K35
SS05AA	AK774	HD05AA3BAA	10/17/2000	LAL40	URANIUM-234	0.63	J	0.0001	0.08	PCI/G	K35
SS05AA	AK774	HD05AA3BAA	10/17/2000	LAL40	URANIUM-238	0.76	J	0.0001	0.08	PCI/G	K35
SS05AA	AK775	HC05AA1CAA	10/17/2000	LAL40	URANIUM-234	0.66	J	0.0001	0.08	PCI/G	K35
SS05AA	AK775	HC05AA1CAA	10/17/2000	LAL40	URANIUM-238	0.72	J	0.0001	0.08	PCI/G	K35
SS05AA	AK776	HD05AA3CAA	10/17/2000	LAL40	URANIUM-238	0.62	J	0.0001	0.05	PCI/G	K35

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AA	AK776	HD05AA3CAA	10/17/2000	LAL40	URANIUM-234	0.54	J	0.0001	0.09	PCI/G	K35
SS05AA	AK777	HC05AA1CAD	10/17/2000	LAL40	URANIUM-238	0.65	J	0.0001	0.09	PCI/G	K35
SS05AA	AK777	HC05AA1CAD	10/17/2000	LAL40	URANIUM-234	0.73	J	0.0001	0.09	PCI/G	K35
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	MANGANESE	47		0.28	0.28	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	VANADIUM	22.4		0.42	0.42	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	NICKEL	5.9		0.4	0.4	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	POTASSIUM	573		46.1	46.1	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	ZINC	13.7		0.18	0.18	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CVOL	ACETONE	140	J	3.81	10	ug/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	10	ug/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	MAGNESIUM	1250		38.5	38.5	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CVOL	TOLUENE	2	J	2	10	ug/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	LEAD	9.5	J	0.12	0.12	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	COPPER	6.5	J	0.8	0.87	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	CHROMIUM, TOTAL	12.9		0.24	0.24	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	CALCIUM	118	J	63.1	63.1	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	BERYLLIUM	0.31		0.04	0.04	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	BARIUM	12.4		1.8	1.8	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	ARSENIC	4.2		0.3	0.3	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	ALUMINUM	12000		4.6	4.6	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	COBALT	2.7		0.49	0.49	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	E350.2	NITROGEN, AMMONIA (AS N)	18		1.5	2.8	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.12		0.0043	0.01	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	94.7		1	2.3	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	LYDKHN	TOTAL ORGANIC CARBON	7390		0	0	mg/Kg	I39
SS05NA	AW993	HC05NA1AAA	12/12/2001	CL200.7	IRON	11500		3.6	3.6	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	MAGNESIUM	1910		38.9	38.9	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.17		0.0043	0.01	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	ALUMINUM	11400		4.7	4.7	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	ARSENIC	3.6		0.3	0.3	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	BARIUM	14.6		1.8	1.8	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	BERYLLIUM	0.27	J	0.04	0.04	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	CALCIUM	146		63.7	63.7	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	CHROMIUM, TOTAL	13.5		0.24	0.24	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	E350.2	NITROGEN, AMMONIA (AS N)	3	J	1.5	2.3	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	IRON	11800		3.6	3.6	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	COPPER	5.3	J	0.8	0.88	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	MANGANESE	71.1		0.28	0.28	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	NICKEL	7.3		0.4	0.4	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	POTASSIUM	712		46.6	46.6	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	VANADIUM	20.2		0.42	0.42	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	ZINC	16.3		0.18	0.18	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CVOL	ACETONE	140	J	3.81	11	ug/Kg	I39

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05NA	AW994	HC05NA1BAA	12/12/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	11	ug/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CVOL	TOLUENE	5	J	2.37	11	ug/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	COBALT	3.8		0.5	0.5	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	63.5		1	2.2	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	CL200.7	LEAD	8.4	J	0.12	0.12	mg/Kg	I39
SS05NA	AW994	HC05NA1BAA	12/12/2001	LYDKHN	TOTAL ORGANIC CARBON	3660		0	0	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	LEAD	7.9	J	0.12	0.12	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.062		0.0043	0.01	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	ALUMINUM	6220		4.8	4.8	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	ARSENIC	3.1		0.31	0.31	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	BARIUM	9.9		1.8	1.8	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	BERYLLIUM	0.21	J	0.04	0.04	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	CALCIUM	137		65.5	65.5	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	CHROMIUM, TOTAL	8.1		0.25	0.25	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	COBALT	3.1		0.51	0.51	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	IRON	7740		3.7	3.7	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	83.5		1	2.3	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	MAGNESIUM	1070		39.9	39.9	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	MANGANESE	109		0.29	0.29	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	NICKEL	4.7		0.41	0.41	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	POTASSIUM	488		47.8	47.8	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	VANADIUM	13.1		0.43	0.43	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	ZINC	11.3		0.18	0.18	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CVOL	ACETONE	55	J	3.81	9	ug/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CVOL	TOLUENE	1	J	1	9	ug/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	CL200.7	COPPER	4.8	J	0.8	0.9	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	LYDKHN	TOTAL ORGANIC CARBON	1440		0	0	mg/Kg	I39
SS05NA	AW995	HC05NA1CAA	12/12/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.5	J	1.5	2.7	mg/Kg	I39
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	ALUMINUM	7990		4.2	4.2	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	BARIUM	11		1.6	1.6	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	BERYLLIUM	0.18	J	0.04	0.04	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	CALCIUM	98.4	J	57.2	57.2	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	CHROMIUM, TOTAL	8.8		0.22	0.22	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	COBALT	2.7		0.45	0.45	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	COPPER	8.1		0.79	0.79	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	IRON	8380		3.2	3.2	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	LEAD	10.1	J	0.11	0.11	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	MAGNESIUM	1110		34.9	34.9	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	MANGANESE	58.8		0.25	0.25	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	MOLYBDENUM	0.64	J	0.5	0.52	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	NICKEL	4.9		0.36	0.36	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	POTASSIUM	493		41.8	41.8	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	VANADIUM	14.3		0.38	0.38	mg/Kg	J40

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	ZINC	12.8		0.16	0.16	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	3600	J	121	610	ug/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	SW8270	DI-N-OCTYLPHTHALATE	37	J	37	360	ug/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CVOL	ACETONE	67	J	3.81	8	ug/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CVOL	TOLUENE	1	J	1	8	ug/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.051		0.0043	0.01	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	CL200.7	ARSENIC	3.1		0.27	0.27	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	LYDKHN	TOTAL ORGANIC CARBON	3890		0	0	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	76.9		1	1.8	mg/Kg	J40
SS05NB	AW996	HC05NB1AAA	12/12/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.3	J	1.5	2.6	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.045		0.0043	0.01	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	ALUMINUM	10500		4.9	4.9	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	ARSENIC	3.8		0.31	0.31	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	BARIUM	14.1		1.9	1.9	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	BERYLLIUM	0.25	J	0.04	0.04	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	CALCIUM	164		65.9	65.9	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	CHROMIUM, TOTAL	11.6		0.25	0.25	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	COBALT	3.6		0.52	0.52	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	COPPER	12		0.8	0.91	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.5	J	1.5	2.6	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	MANGANESE	81.3		0.29	0.29	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	IRON	11300		3.7	3.7	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	MOLYBDENUM	0.84	J	0.5	0.6	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	NICKEL	6.6		0.41	0.41	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	POTASSIUM	731		48.1	48.1	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	VANADIUM	19.6		0.43	0.43	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	ZINC	18.1		0.19	0.19	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CPEST	P,P'-DDT	2.4	J	1.63	3.7	ug/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CVOL	ACETONE	110	J	3.81	10	ug/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	10	ug/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	LEAD	13.2	J	0.12	0.12	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.2		1	2.2	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	CL200.7	MAGNESIUM	1550		40.2	40.2	mg/Kg	J40
SS05NB	AW997	HC05NB1AAD	12/12/2001	LYDKHN	TOTAL ORGANIC CARBON	4160		0	0	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	MAGNESIUM	1340		39.3	39.3	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	ALUMINUM	8350		4.7	4.7	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	ARSENIC	3.7		0.3	0.3	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	BARIUM	12.5		1.8	1.8	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	BERYLLIUM	0.26	J	0.04	0.04	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	CALCIUM	190		64.4	64.4	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	CHROMIUM, TOTAL	11.1		0.24	0.24	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	COBALT	3.5		0.5	0.5	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	COPPER	4.8	J	0.8	0.89	mg/Kg	J40

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	LEAD	7.3	J	0.12	0.12	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	LYDKHN	TOTAL ORGANIC CARBON	2240		0	0	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	MANGANESE	71.8		0.28	0.28	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	NICKEL	5.6		0.4	0.4	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	POTASSIUM	583		47	47	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	VANADIUM	16.1		0.42	0.42	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	ZINC	15.8		0.18	0.18	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	27	J	27	350	ug/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	SW8270	DI-N-BUTYL PHTHALATE	34	J	34	350	ug/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CVOL	ACETONE	29	J	3.81	8	ug/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CVOL	TOLUENE	2	J	2	8	ug/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	CL200.7	IRON	9750		3.6	3.6	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	68.7		1	2	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	E350.2	NITROGEN, AMMONIA (AS N)	17.6		1.5	2.6	mg/Kg	J40
SS05NB	AW998	HC05NB1BAA	12/12/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.079		0.0043	0.01	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	LEAD	6.9	J	0.11	0.11	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.073		0.0043	0.01	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CVOL	TOLUENE	2	J	2	9	ug/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CVOL	ACETONE	39	J	3.81	9	ug/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CPEST	P,P'-DDT	8.4		1.63	3.5	ug/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CPEST	P,P'-DDE	2.4	J	0.523	3.5	ug/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	ZINC	16.8		0.17	0.17	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	VANADIUM	14.4		0.39	0.39	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	POTASSIUM	663		43.7	43.7	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	NICKEL	5.3		0.38	0.38	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	MAGNESIUM	1620		36.5	36.5	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	IRON	9310		3.4	3.4	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	COPPER	20		0.8	0.83	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	COBALT	3.3		0.47	0.47	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	CHROMIUM, TOTAL	12.5		0.23	0.23	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	CALCIUM	365		59.8	59.8	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	BARIUM	12		1.7	1.7	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	ALUMINUM	7440		4.4	4.4	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.9	J	1.5	2.6	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	ARSENIC	3.2		0.28	0.28	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	MANGANESE	103		0.26	0.26	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	94.5		1	2.1	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	CL200.7	BERYLLIUM	0.19	J	0.04	0.04	mg/Kg	J40
SS05NB	AW999	HC05NB1CAA	12/12/2001	LYDKHN	TOTAL ORGANIC CARBON	2010		0	0	mg/Kg	J40
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	COPPER	437		0.34	0.44	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CSVOL	FLUORANTHENE	17	J	17	360	ug/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CSVOL	CHRYSENE	23	J	23	360	ug/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CSVOL	2-METHYLNAPHTHALENE	29	J	29	360	ug/Kg	K35

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mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	ZINC	139		0.29	0.314	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	THALLIUM	3.2	J	0.64	0.817	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	POTASSIUM	332		47.2	57	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	NICKEL	69.2		0.3	0.608	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	MOLYBDENUM	1.5	J	0.49	0.691	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	MANGANESE	228		0.08	0.21	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	MAGNESIUM	1080		28.1	56.6	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CSVOL	PYRENE	19	J	19	360	ug/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	IRON	28000		4.21	9.55	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	VANADIUM	14.9		0.36	0.608	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	COBALT	4.1		0.26	0.629	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	CHROMIUM, TOTAL	71.5		0.14	0.524	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	CALCIUM	110	J	29	86.9	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	BERYLLIUM	0.2	J	0.03	0.126	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	BARIUM	190		1.18	2.05	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	ARSENIC	3.3		0.75	1.82	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	ANTIMONY	814		0.5	0.964	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	ALUMINUM	12600		2.5	3.41	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	LEAD	35600		0.32	482	mg/Kg	K35
SS05P	AH833	HD05P1AAA	6/21/2000	CL200.7	SILVER	4.5		0.17	0.398	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	CALCIUM	94.9	J	29	76	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CSVOL	BENZO(G,H,I)PERYLENE	29	J	29	360	ug/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CSVOL	PYRENE	62	J	31.5	360	ug/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CSVOL	INDENO(1,2,3-C,D)PYRENE	27	J	27	360	ug/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CSVOL	FLUORANTHENE	110	J	27.3	360	ug/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CSVOL	CHRYSENE	63	J	27.2	360	ug/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	ALUMINUM	8930		2.5	2.99	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	ANTIMONY	21.4		0.5	0.843	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	ARSENIC	3.3		0.75	1.59	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	BERYLLIUM	0.24		0.03	0.11	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	CHROMIUM, TOTAL	37.6		0.14	0.458	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	COBALT	4		0.26	0.55	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	COPPER	61.4		0.34	0.385	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	VANADIUM	20.8		0.36	0.531	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CSVOL	BENZO(B)FLUORANTHENE	120	J	26.8	360	ug/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CSVOL	BENZO(A)PYRENE	24	J	24	360	ug/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CSVOL	BENZO(A)ANTHRACENE	30	J	26.2	360	ug/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	BARIUM	25.1		1.18	1.79	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	ZINC	20.4		0.275	0.275	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	IRON	24600		4.21	8.35	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	THALLIUM	1.5	J	0.64	0.714	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	SILVER	0.39	J	0.17	0.348	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	NICKEL	45.6		0.3	0.531	mg/Kg	K35

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	MOLYBDENUM	1.4	J	0.49	0.604	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	LEAD	1030		0.32	0.421	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	MANGANESE	201		0.08	0.183	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	POTASSIUM	410		47.2	49.8	mg/Kg	K35
SS05Q	AH834	HD05Q1AAA	6/21/2000	CL200.7	MAGNESIUM	1170		28.1	49.5	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	BARIUM	12.1		1.18	2.04	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	IRON	11900		4.21	9.5	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	COBALT	3.5		0.26	0.625	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	CALCIUM	92.4	J	29	86.4	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	ALUMINUM	10600		2.5	3.4	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	BERYLLIUM	0.28		0.03	0.125	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	ARSENIC	3.7		0.75	1.81	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	COPPER	13.1		0.34	0.437	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	LEAD	311		0.32	0.479	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	BORON	1.1	J	0.63	0.667	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CSVOL	CHRYSENE	19	J	19	370	ug/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CSVOL	FLUORANTHENE	17	J	17	370	ug/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	CHROMIUM, TOTAL	13.8		0.14	0.521	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	ZINC	18.4		0.29	0.313	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	VANADIUM	21.6		0.36	0.604	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	POTASSIUM	497		47.2	56.7	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	NICKEL	8.7		0.3	0.604	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	MANGANESE	68.6		0.08	0.208	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	ANTIMONY	3		0.5	0.958	mg/Kg	K35
SS05R	AH835	HD05R1AAA	6/21/2000	CL200.7	MAGNESIUM	1400		28.1	56.2	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	MOLYBDENUM	0.37	J	0.35	0.35	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	IRON	39200		4.21	5.8	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	CADMIUM	1.2		0.0699	0.0699	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	CALCIUM	957		29	96.6	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	CHROMIUM, TOTAL	99.8		0.14	0.513	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	COBALT	8		0.26	0.699	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	COPPER	3620		0.34	0.49	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	BERYLLIUM	0.47		0.03	0.0699	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	LEAD	148000		0.32	536	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	ARSENIC	3.8		0.583	0.583	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	MANGANESE	1040		0.08	0.233	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	DICHLOROPROP	81	NJ	7.5	54	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	NICKEL	93.2		0.3	0.676	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	POTASSIUM	409		47.2	70.6	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	SELENIUM	2.1	J	0.61	0.932	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	SILVER	6.4		0.17	0.443	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	THALLIUM	9.3		0.64	0.909	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	MAGNESIUM	1810		28.1	51	mg/Kg	K35

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	4-NITROPHENOL	2400	J	58	310	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8330	2,6-DINITROTOLUENE	26000	J	39	120	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	VANADIUM	17.5		0.36	0.676	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8330	2-AMINO-4,6-DINITROTOLUENE	230000	J	27	120	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CVOL	XYLENES, TOTAL	5	J	0.93	13	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	10000	J	29	120	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	2800	J	23	120	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8330	PICRIC ACID	1100	J	17	120	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	PENTACHLOROPHENOL	1700	J	7.6	490	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	3,5-DICHLOROBENZOIC ACID	90	NJ	9.1	54	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	ALUMINUM	62600		2.5	3.8	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	ACIFLUORFEN	19	J	1.4	5.5	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	CHLORAMBEN	30	NJ	6.2	6.2	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	DCPA (DACTHAL)	22	J	4.7	5.8	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8330	2,4-DINITROTOLUENE	4800	J	24	120	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	MCPA	5600	NJ	965	9400	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	PICLORAM	69	NJ	2.9	5.4	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	SILVEX (2,4,5-TP)	20	NJ	0.44	5.5	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8151A	2,4 DB	1000	NJ	13	210	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	PYRENE	1000		31.5	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	BENZYL BUTYL PHTHALATE	32	J	30.4	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	2600	J	79.8	510	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	CHRYSENE	320	J	27.2	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	DI-N-BUTYL PHTHALATE	200	J	28.6	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	FLUORANTHENE	240	J	27.3	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	INDENO(1,2,3-C,D)PYRENE	66	J	30	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	NAPHTHALENE	280	J	27.1	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	1.8	13	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	PHENANTHRENE	1400		25.3	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	BENZO(B)FLUORANTHENE	96	J	26.8	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CVOL	ACETONE	47		4.34	13	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CVOL	BENZENE	2	J	0.41	13	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CVOL	BROMOMETHANE	6	J	0.49	13	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CVOL	CHLOROMETHANE	4	J	0.61	13	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CVOL	TOLUENE	2	J	0.32	13	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	ANTIMONY	1290		0.5	1.07	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8330	2,4,6-TRINITROTOLUENE	17000000		27	240000	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	PENTACHLOROPHENOL	300	J	48.7	960	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	HEPTACHLOR EPOXIDE	42		0.12	20	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	ALDRIN	18	NJ	0.1	20	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	ALPHA ENDOSULFAN	25	NJ	0.12	20	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	ALPHA-CHLORDANE	12	J	0.078	20	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	90	NJ	0.17	20	ug/Kg	K35

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	ENDOSULFAN SULFATE	38	J	0.15	38	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	ENDRIN ALDEHYDE	46	NJ	0.19	38	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	ENDRIN KETONE	32	J	0.18	38	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	BENZO(K)FLUORANTHENE	110	J	58.1	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	HEPTACHLOR	17	J	0.11	20	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	BENZO(G,H,I)PERYLENE	110	J	33.1	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	METHOXYCHLOR	160	NJ	1.2	200	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	P,P'-DDE	36	NJ	0.22	38	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	P,P'-DDT	44	NJ	0.26	38	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	2,4-DINITROTOLUENE	2200		21.6	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	2-METHYLNAPHTHALENE	700		29.5	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	BENZO(A)ANTHRACENE	190	J	26.2	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CSVOL	BENZO(A)PYRENE	130	J	27.7	380	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	ZINC	873		0.29	0.35	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CPEST	GAMMA-CHLORDANE	28		0.1	20	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	E353.2	NITROGEN, NITRATE-NITRITE	1.7		0.01	0.01	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	E350.2	NITROGEN, AMMONIA (AS N)	28.7		0.02	0.02	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	LYDKHN	TOTAL ORGANIC CARBON	38600		0	0	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73.7		0.01	0.01	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL335.2	CYANIDE	7		0.4	0.571	mg/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	SW8330	1,3,5-TRINITROBENZENE	31000	J	33	120	ug/Kg	K35
SS05S	AH801	HCJ1KPAAA	6/15/2000	CL200.7	BARIUM	994		1.18	2.49	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	VANADIUM	12		0.36	0.841	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	MANGANESE	290	J	0.08	0.341	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	NICKEL	62.8		0.3	1.07	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	POTASSIUM	395		47.2	133	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	SILVER	6		0.17	0.477	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	MAGNESIUM	1190		28.1	79	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	THALLIUM	5.1		0.64	0.863	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	CHROMIUM, TOTAL	62.8		0.14	0.386	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.5	J	0.02	0.02	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	LEAD	51600		0.32	386	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	IRON	30200	J	4.21	5.93	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	COBALT	4		0.26	0.909	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	ZINC	317		0.29	1.34	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	CADMIUM	4.2		0.07	0.205	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	BARIUM	307		1.18	2.91	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	ARSENIC	4.9		0.75	1.2	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	ANTIMONY	1440	J	0.5	0.977	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	ALUMINUM	16300	J	2.5	3.09	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	COPPER	843		0.34	1.07	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	SW8270	NAPHTHALENE	31	J	31	380	ug/Kg	K35

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05S	AI681	HD05S1AAA	8/10/2000	CPEST	ENDOSULFAN SULFATE	2.8	NJ	0.15	3.8	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CPEST	ENDRIN	2.8	NJ	0.25	3.8	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CPEST	ENDRIN ALDEHYDE	14	J	0.19	3.8	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CPEST	P,P'-DDT	5.1	J	0.26	3.8	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	19	J	19	380	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	SW8270	2-METHYLNAPHTHALENE	140	J	112	380	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	SW8270	BENZO(G,H,I)PERYLENE	22	J	22	380	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23	J	23	380	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	95.1	J	0.01	0.01	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	SW8270	FLUORANTHENE	19	J	19	380	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.38		0.01	0.01	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	SW8270	PHENANTHRENE	32	J	32	380	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	SW8270	PYRENE	47	J	47	380	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CVOL	ACETONE	130	J	4.34	8	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CVOL	BROMOMETHANE	1	J	0.49	8	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CVOL	CHLOROMETHANE	0.9	J	0.61	8	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	8	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	BERYLLIUM	0.21		0.03	0.0682	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	LYDKHN	TOTAL ORGANIC CARBON	9460	J	0	0	mg/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	SW8270	CHRYSENE	38	J	38	380	ug/Kg	K35
SS05S	AI681	HD05S1AAA	8/10/2000	CL200.7	CALCIUM	149		29	37.1	mg/Kg	K35
SS08523-A	TA222	J1.F.T16.002.1.0	12/17/2001	SW8330	2,4-DINITROTOLUENE	580	J	4.2	100	ug/Kg	I41
SS08523-A	TA222	J1.F.T16.002.1.0	12/17/2001	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	8300	J	5.7	100	ug/Kg	I41
SS08523-A	TA222	J1.F.T16.002.1.0	12/17/2001	SW8330	NITROBENZENE	11000		3.4	100	ug/Kg	I41
SS08523-A	TA222	J1.F.T16.002.1.0	12/17/2001	SW8270C	2,4-DINITROTOLUENE	144	J	64.3	487	ug/Kg	I41
SS08523-A	TA222	J1.F.T16.002.1.0	12/17/2001	SW8270C	4-NITROANILINE	487		90.6	487	ug/Kg	I41
SS08523-A	TA222	J1.F.T16.002.1.0	12/17/2001	SW8270C	4-NITROPHENOL	959	J	161	974	ug/Kg	I41
SS08523-A	TA222	J1.F.T16.002.1.0	12/17/2001	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	32.1	J	24.8	487	ug/Kg	I41
SS08523-A	TA222	J1.F.T16.002.1.0	12/17/2001	SW8270C	PHENOL	193	J	39.5	487	ug/Kg	I41
SS08524-A	TA224	J1.F.T16.003.1.0	12/17/2001	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	25.8	J	24.8	486	ug/Kg	H41
SS08525-A	TA125	J1.F.T9.001.1.0	12/11/2001	CVOL	BROMOFORM	35.2		1.43	14.3	ug/Kg	H36
SS08525-A	TA125	J1.F.T9.001.1.0	12/11/2001	CVOL	TETRACHLOROETHENE(PCE)	2.87	J	1.43	14.3	ug/Kg	H36
SS08525-A	TA126	J1.F.T9.001.2.0	12/11/2001	CVOL	BROMOFORM	2.81	J	1.23	12.3	ug/Kg	H36
SS08525-A	TA126	J1.F.T9.001.2.0	12/11/2001	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	460		4.2	100	ug/Kg	H36
SS08525-A	TA147	J1.F.T9.001.3.0	12/11/2001	CVOL	TETRACHLOROETHENE(PCE)	1.11	J	0.864	8.64	ug/Kg	H36
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW6010B	SELENIUM	1.1	J	0.28	3.0053	mg/Kg	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	10		0.46	5.7	PG/G	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.6		0.76	1.1	PG/G	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	49		0.43	5.7	PG/G	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	7.6		0.29	5.7	PG/G	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	19		0.28	5.7	PG/G	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	1.9	J	0.18	5.7	PG/G	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.7	J	0.32	5.7	PG/G	J39

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SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	OCTACHLORODIBENZOFURAN	7.4	J	0.39	11	PG/G	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	25		0.43	5.7	PG/G	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW6010B	LEAD	402		1.2	4.2934	mg/Kg	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW6010B	CHROMIUM, TOTAL	8.2		0.15	0.8587	mg/Kg	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW6010B	BARIUM	11.8	J	0.53	17.1734	mg/Kg	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW6010B	ARSENIC	2.4		0.3	0.8587	mg/Kg	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	500		15	120	ug/Kg	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8330	2,4,6-TRINITROTOLUENE	440		11	120	ug/Kg	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	2.4		0.76	1.1	PG/G	J39
SSJ1BNP001	J1J39BNP_PE		3/22/2007	SW8290	OCTACHLORODIBENZO-P-DIOXIN	1700		0.56	11	PG/G	J39
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	SELENIUM	10.1		0.24	3.1679	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW8270C	NAPHTHALENE	86	J	29.9	390	ug/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW8270C	FLUORANTHENE	32	J	21.5	390	ug/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW8270C	DI-N-OCTYLPHTHALATE	1100		15.5	390	ug/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	1800		22.7	390	ug/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW8270C	BENZYL BUTYL PHTHALATE	69	J	26.3	390	ug/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW8270C	2-METHYLNAPHTHALENE	37	J	26.3	390	ug/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	COBALT	0.34	J	0.12	4.5255	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	VANADIUM	18.5		0.23	4.5255	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	MANGANESE	30.5		0.027	1.3577	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	NICKEL	4.4		0.13	3.6204	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW7471A	MERCURY	0.05		0.018	0.0434	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	POTASSIUM	268	J	28.2	452.554	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	MAGNESIUM	347	J	11.7	452.554	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	LEAD	901		1.7	9.0511	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	IRON	9940		1.7	18.1022	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	COPPER	1660		2.8	22.6277	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	ZINC	21.6		0.21	1.8102	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW8270C	PHENANTHRENE	44	J	23.9	390	ug/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	ARSENIC	3.2		0.3	0.9051	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	BARIUM	13.8	J	0.28	18.1022	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	ALUMINUM	6600		3.3	18.1022	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	BORON	2.5	J	0.14	9.0511	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	CADMIUM	0.19	J	0.045	0.4526	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	CALCIUM	172	J	17.1	452.554	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	CHROMIUM, TOTAL	7		0.082	0.9051	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW6010B	MOLYBDENUM	0.58	J	0.036	0.9051	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (post)		7/26/2007	SW8270C	PYRENE	32	J	27.5	390	ug/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	COPPER	2.5		0.26	2.1204	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	IRON	12400		1.6	16.9635	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	LEAD	8.9		0.3	0.8482	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	MAGNESIUM	608		10.9	424.088	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	MANGANESE	33		0.025	1.2723	mg/Kg	

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW7471A	MERCURY	0.03	J	0.017	0.0417	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	NICKEL	4.5		0.12	3.3927	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	CHROMIUM, TOTAL	11.6		0.076	0.8482	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	MOLYBDENUM	0.64	J	0.034	0.8482	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	SELENIUM	0.29	J	0.23	2.9686	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	ARSENIC	3.7		0.28	0.8482	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	COBALT	0.88	J	0.11	4.2409	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	VANADIUM	19.7		0.21	4.2409	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	ALUMINUM	12200		3.1	16.9635	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	POTASSIUM	315	J	26.4	424.088	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	ZINC	11.7		0.2	1.6964	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	BARIUM	10.9	J	0.26	16.9635	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	BORON	1.8	J	0.13	8.4818	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	CADMIUM	0.11	J	0.042	0.4241	mg/Kg	
SSJ1G36002	ECC072407J1SUP02 (pre)		7/26/2007	SW6010B	CALCIUM	124	J	16	424.088	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	ARSENIC	3.8		0.31	0.9324	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	BARIUM	14.6	J	0.29	18.648	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	BORON	2.8	J	0.14	9.324	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	CADMIUM	1.2		0.047	0.4662	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	COPPER	2090		2.9	23.31	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	CALCIUM	285	J	17.6	466.201	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	ALUMINUM	11800		3.4	18.648	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	MOLYBDENUM	1.2		0.037	0.9324	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	COBALT	0.73	J	0.12	4.662	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	POTASSIUM	269	J	29.1	466.201	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	32	J	23	400	ug/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	BNASIM	TETRACHLORNAPHTHALENE, (TOTAL)	49		11	43	ug/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	VANADIUM	20.5		0.23	4.662	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	ZINC	251		0.21	1.8648	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	CHROMIUM, TOTAL	19.7		0.084	0.9324	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW8270C	BENZOIC ACID	460	J	400	1000	ug/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	NICKEL	4.5		0.13	3.7296	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	BNASIM	TRICHLORONAPHTHALENE, (TOTAL)	36	J	4.9	43	ug/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW7471A	MERCURY	0.029	J	0.017	0.0404	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	MANGANESE	35.5		0.028	1.3986	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	MAGNESIUM	441	J	12	466.201	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	LEAD	17		0.33	0.9324	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW6010B	IRON	11700		1.7	18.648	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (post)		7/26/2007	SW8270C	BENZALDEHYDE	530	NJ			ug/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	CHROMIUM, TOTAL	17.2		0.088	0.9755	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	CADMIUM	0.18	J	0.049	0.4878	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	MAGNESIUM	481	J	7.8	487.757	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	BARIUM	14.1	J	0.3	19.5103	mg/Kg	

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	ARSENIC	4.3		0.32	0.9755	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	ALUMINUM	13000		1.4	19.5103	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	CALCIUM	139	J	18.4	487.757	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	MOLYBDENUM	0.94	J	0.17	0.9755	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	MANGANESE	30.2		0.029	1.4633	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	LEAD	17.5		0.34	0.9755	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	IRON	12200		8.2	19.5103	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	COPPER	63		0.22	2.4388	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	COBALT	0.46	J	0.13	4.8776	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	POTASSIUM	361	J	30.4	487.757	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	ZINC	188		0.22	1.951	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW7471A	MERCURY	0.041	J	0.019	0.0448	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	VANADIUM	22.8		0.24	4.8776	mg/Kg	
SSJ1G37001	ECC071607J1SUP01 (pre)		7/20/2007	SW6010B	NICKEL	4.3		0.14	3.9021	mg/Kg	
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	ALUMINUM	12400		3.1	21.6375	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	ARSENIC	4.9		0.64	1.0819	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	BARIUM	16.4	J	0.82	21.6375	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	BERYLLIUM	0.48	J	0.022	0.5409	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	CADMIUM	0.52	J	0.033	0.5409	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	CHROMIUM, TOTAL	15.3		0.076	1.0819	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	COPPER	1600		0.29	2.7047	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	IRON	16900		3.1	21.6375	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW9012A	CYANIDE	1.8		0.59	0.59	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	MAGNESIUM	2080		20.4	540.938	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	CALCIUM	485	J	19.2	540.938	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	MANGANESE	131		0.065	1.6228	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW7471A	MERCURY	0.024	J	0.02	0.0472	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	MOLYBDENUM	0.53	J	0.18	1.0819	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	NICKEL	8.4		0.21	4.3275	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	POTASSIUM	572		43.3	540.938	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	SELENIUM	3.7	J	3.7	3.7866	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	VANADIUM	22.1		0.22	5.4094	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW8270C	BIPHENYL (DIPHENYL)	93	NJ			ug/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	ZINC	42.5		0.35	2.1638	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	LEAD	344		0.27	1.0819	mg/Kg	I30
SSJ1I30002	ECC072005J102 (post)		7/28/2005	SW6010B	COBALT	4.8	J	0.17	5.4094	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	COPPER	7		0.3	2.7585	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	ALUMINUM	9760		3.2	22.0677	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	MANGANESE	104		0.066	1.6551	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	ARSENIC	4.5		0.65	1.1034	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	BARIUM	14.3	J	0.84	22.0677	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	MAGNESIUM	1790		20.9	551.694	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	IRON	12700		3.1	22.0677	mg/Kg	I30

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	BERYLLIUM	0.45	J	0.022	0.5517	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW7471A	MERCURY	0.023	J	0.016	0.0379	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	MOLYBDENUM	0.53	J	0.19	1.1034	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	POTASSIUM	471	J	44.1	551.694	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	THALLIUM	1.1	J	0.94	2.7585	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	VANADIUM	18.4		0.22	5.5169	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	ZINC	18.7		0.35	2.2068	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	CALCIUM	70.5		19.6	551.694	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	CHROMIUM, TOTAL	12.1		0.077	1.1034	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	NICKEL	7.5		0.21	4.4135	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	COBALT	5	J	0.18	5.5169	mg/Kg	I30
SSJ1I30002	ECC072005J102 (pre)		7/27/2005	SW6010B	LEAD	6.5		0.28	1.1034	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS4		5/26/2006	SW6010B	LEAD	83.3		0.21	0.9022	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS4		5/26/2006	SW6010B	COPPER	4.4		0.2	2.2555	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	BARIUM	6.6	J	0.76	20.0296	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	CADMIUM	1.8		0.03	0.5007	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	14000		72	200	ug/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	580		3.7	13	ug/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	BERYLLIUM	0.25	J	0.02	0.5007	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	ALUMINUM	4380		2.9	20.0296	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	NICKEL	3.4	J	0.19	4.0059	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	CALCIUM	30.5	J	17.8	500.741	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	MOLYBDENUM	0.56	J	0.17	1.0015	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	ARSENIC	2.3		0.59	1.0015	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	CHROMIUM, TOTAL	5.6		0.07	1.0015	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	COBALT	3	J	0.16	5.0074	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	COPPER	66		0.27	2.5037	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	IRON	7240		2.8	20.0296	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	LEAD	23.7		0.25	1.0015	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	MANGANESE	93.5		0.06	1.5022	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW8270C	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	240	NJ			ug/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	ZINC	40.6		0.32	2.003	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	VANADIUM	8.1		0.2	5.0074	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	POTASSIUM	144	J	40.1	500.741	mg/Kg	I30
SSJ1I30004	ECC072105J101 (post)		7/28/2005	SW6010B	MAGNESIUM	625		18.9	500.741	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	CALCIUM	46	J	17.8	500.45	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	LEAD	4		0.25	1.0009	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	BERYLLIUM	0.29	J	0.02	0.5005	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	NICKEL	4.2		0.19	4.0036	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	COPPER	4.1		0.27	2.5023	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	COBALT	3.8	J	0.16	5.0045	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	IRON	7850		2.8	20.018	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	MAGNESIUM	948		18.9	500.45	mg/Kg	I30

J - Estimated
NJ = Estimated Result
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	MOLYBDENUM	0.42	J	0.17	1.0009	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	CHROMIUM, TOTAL	6.8		0.07	1.0009	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	ZINC	10.5		0.32	2.0018	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	VANADIUM	12.1		0.2	5.0045	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	POTASSIUM	277	J	40	500.45	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	BARIUM	7.8	J	0.76	20.018	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	ALUMINUM	5180		2.9	20.018	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	ARSENIC	3		0.59	1.0009	mg/Kg	I30
SSJ1I30004	ECC072105J101 (pre)		7/27/2005	SW6010B	MANGANESE	101		0.06	1.5014	mg/Kg	I30
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	ARSENIC	3.2		0.49	0.9427	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	ZINC	18.1	J	0.16	1.8853	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	IRON	8060		7.9	18.8533	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	BERYLLIUM	0.4	J	0.019	0.4713	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	BORON	2.4	J	0.99	9.4267	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	CALCIUM	101	J	48.4	471.334	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	CHROMIUM, TOTAL	7.8	J	0.14	0.9427	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	COBALT	2.9	J	0.38	4.7133	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	ALUMINUM	5380		5.1	18.8533	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	BARIUM	13.4	J	1.4	18.8533	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	VANADIUM	12.4		0.45	4.7133	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	COPPER	12.5		0.29	2.3567	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	LEAD	5.1		0.27	0.9427	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	MAGNESIUM	1240		38.2	471.334	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	MANGANESE	108		0.18	1.414	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	MOLYBDENUM	0.54	J	0.38	0.9427	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	NICKEL	4.7		0.42	3.7707	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	POTASSIUM	508		62.3	471.334	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (post)		10/27/2005	SW6010B	SODIUM	64.4	J	61.1	471.334	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	ZINC	19.4	J	0.19	2.2116	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	VANADIUM	16.7		0.53	5.5289	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	COPPER	5.8		0.34	2.7644	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	BERYLLIUM	0.47	J	0.022	0.5529	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	ALUMINUM	8420		6	22.1156	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW8330	2,4,6-TRINITROTOLUENE	32		3.6	13	ug/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	SODIUM	73.4	J	71.7	552.889	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	BARIUM	17.8	J	1.7	22.1156	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	BORON	3	J	1.2	11.0578	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	CALCIUM	124	J	56.8	552.889	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	CHROMIUM, TOTAL	11.6	J	0.17	1.1058	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	COBALT	3.9	J	0.44	5.5289	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	IRON	9280		9.3	22.1156	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	MAGNESIUM	1740		44.8	552.889	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	MANGANESE	96.5		0.21	1.6587	mg/Kg	I37

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mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	POTASSIUM	564		73	552.889	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	NICKEL	5.8		0.5	4.4231	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	LEAD	5.6		0.32	1.1058	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	MOLYBDENUM	0.54	J	0.44	1.1058	mg/Kg	I37
SSJ1I37001	ECC102105J1SUP01 (pre)		10/27/2005	SW6010B	ARSENIC	3.7		0.57	1.1058	mg/Kg	I37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	MAGNESIUM	1410		39	481.139	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	CALCIUM	171	J	49.4	481.139	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	CHROMIUM, TOTAL	12.8		0.14	0.9623	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	COBALT	3.1	J	0.38	4.8114	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	COPPER	35.4		0.3	2.4057	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	LEAD	34.2		0.28	0.9623	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	MANGANESE	93.3		0.18	1.4434	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	CADMIUM	1.7		0.058	0.4811	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	760		15	120	ug/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW7471A	MERCURY	0.021	J	0.017	0.0396	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	IRON	12400		8.1	19.2456	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	BORON	2.7	J	1	9.6228	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	BERYLLIUM	0.36	J	0.019	0.4811	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	BARIUM	16.8	J	1.5	19.2456	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	ARSENIC	4.2		0.5	0.9623	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	ANTIMONY	1.2	J	0.56	5.7737	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	300		10	120	ug/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	MOLYBDENUM	1.1		0.38	0.9623	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW8330	4-AMINO-2,6-DINITROTOLUENE	250		18	120	ug/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	280		16	120	ug/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW8330	2,4-DINITROTOLUENE	910		30	120	ug/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW8330	2,4,6-TRINITROTOLUENE	140		14	120	ug/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW9045	PH	5.8				PH UNIT	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW1010	IGNITABILITY	0		4	70	DEG F	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	ALUMINUM	10700		5.3	19.2456	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	NICKEL	5.7		0.43	3.8491	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	POTASSIUM	564		63.6	481.139	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	SILVER	0.26	J	0.18	0.9623	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	VANADIUM	17.9		0.46	4.8114	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (pre)		10/19/2005	SW6010B	ZINC	53.3		0.16	1.9246	mg/Kg	J37
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	COBALT	3	J	0.23	4.6064	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	LEAD	10.8		0.2	0.9213	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	MAGNESIUM	1140		24.9	460.643	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	MANGANESE	68.8		0.092	1.3819	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	MOLYBDENUM	0.76	J	0.24	0.9213	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	NICKEL	4.9		0.29	3.6851	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	POTASSIUM	416	J	63.8	460.643	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	VANADIUM	12.8		0.21	4.6064	mg/Kg	K36

J - Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	ZINC	13.4		0.41	1.8426	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	COPPER	6.9		0.18	2.3032	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	CHROMIUM, TOTAL	8.5		0.083	0.9213	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	BARIUM	12.4	J	0.63	18.4257	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	ARSENIC	3.6		0.43	0.9213	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	ANTIMONY	0.62	J	0.53	5.5277	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	ALUMINUM	6770		6	18.4257	mg/Kg	K36
SSJ1K36001	K36-BLP-001 (stp)		9/22/2005	SW6010B	IRON	8490		4	18.4257	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	COBALT	3.2	J	0.27	5.3693	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	ZINC	31.4		0.47	2.1477	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW8270C	N-NITROSODIPHENYLAMINE	73	J	67.2	360	ug/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	CADMIUM	0.4	J	0.064	0.5369	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	IRON	9840		4.7	21.4772	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	LEAD	48.9		0.31	1.0739	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	MAGNESIUM	1340		29	536.93	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	MANGANESE	90.7		0.11	1.6108	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	NICKEL	4.9		0.33	4.2954	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	CHROMIUM, TOTAL	8.6		0.097	1.0739	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW8270C	DI-N-BUTYL PHTHALATE	560		90	360	ug/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	CALCIUM	129	J	32.2	536.93	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW8270C	2,4-DINITROTOLUENE	420		85.7	360	ug/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	BERYLLIUM	0.28	J	0.13	0.5369	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	BARIUM	18.4	J	0.73	21.4772	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	ARSENIC	3.2		0.56	1.0739	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	ANTIMONY	1.4	J	0.62	6.4432	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	ALUMINUM	7200		7	21.4772	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW8330	2,4-DINITROTOLUENE	150		30	120	ug/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	POTASSIUM	797		74.4	536.93	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	VANADIUM	14.5		0.25	5.3693	mg/Kg	K36
SSJ1K36002	K36-BLP-002 (pre)		10/6/2005	SW6010B	COPPER	25.3		0.21	2.6847	mg/Kg	K36
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	NICKEL	8.6		0.45	4.0355	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	VANADIUM	10.6		0.48	5.0444	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	POTASSIUM	239	J	66.6	504.439	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	SELENIUM	0.59	J	0.49	3.5311	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	BORON	1.2	J	1.1	10.0888	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	MANGANESE	48.2		0.19	1.5133	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	CHROMIUM, TOTAL	9.3		0.15	1.0089	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	ZINC	31.1		0.17	2.0178	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	BERYLLIUM	0.24	J	0.02	0.5044	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	BARIUM	8.8	J	1.5	20.1776	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	ARSENIC	2.2		0.52	1.0089	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	ALUMINUM	5480		6.6	20.1776	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	COPPER	8.1		0.31	2.5222	mg/Kg	K38

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	IRON	7130		8.5	20.1776	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW8330	TETRYL	150		36	120	ug/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	LEAD	4.9		0.22	1.0089	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	MAGNESIUM	958		40.9	504.439	mg/Kg	K38
SSJ1K38001	J1K38-BLP-001 (pre)		11/9/2005	SW6010B	COBALT	1.6	J	0.4	5.0444	mg/Kg	K38
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	CALCIUM	295	J	47.3	396.825	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	MANGANESE	72.4		0.18	1.1905	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	MAGNESIUM	943		37.4	396.825	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	LEAD	104		0.27	0.7937	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	IRON	9840		7.8	15.873	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	COPPER	507		0.29	1.9841	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	COBALT	2.2	J	0.37	3.9683	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	CHROMIUM, TOTAL	9.5		0.14	0.7937	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	BERYLLIUM	0.28	J	0.018	0.3968	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	BARIUM	349		1.4	15.873	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	ARSENIC	2.9		0.48	0.7937	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	ANTIMONY	1.2	U	1.2	4.7619	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW7471A	MERCURY	0.032	J	0.021	0.0516	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	52		3.7	13	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	BENZO(A)PYRENE	230	J	81	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	26000		192	530	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	ALUMINUM	7050		5	15.873	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	CHRYSENE	380	J	100	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	PYRENE	590		120	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	PHENANTHRENE	440		87	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	FLUORANTHENE	660		77	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	160	J	100	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	BENZO(K)FLUORANTHENE	310	J	110	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	BENZO(G,H,I)PERYLENE	200	J	100	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	ANTHRACENE	90	J	83	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	BENZO(B)FLUORANTHENE	300	J	83	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	NICKEL	6.6		0.41	3.1746	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	BENZO(A)ANTHRACENE	300	J	89	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW9012A	CYANIDE	4.5		0.57	0.57	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	ACETOPHENONE	240	NJ			ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	ZINC	60.7		0.16	1.5873	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	VANADIUM	12.3		0.44	3.9683	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW6010B	POTASSIUM	282	J	60.9	396.825	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	BENZO(E)PYRENE	210	NJ			ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (post)		11/18/2005	SW8270C	INDENO(1,2,3-C,D)PYRENE	190	J	95	380	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	BENZO(G,H,I)PERYLENE	150	J	114	370	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	THALLIUM	0.69	J	0.66	2.242	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	VANADIUM	19.1		0.43	4.4841	mg/Kg	K40

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	ZINC	29.1		0.15	1.7936	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	BENZO(A)ANTHRACENE	340	J	101	370	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	BENZO(A)PYRENE	250	J	92.3	370	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	PYRENE	490		137	370	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	BENZO(E)PYRENE	290	NJ			ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	MANGANESE	156		0.17	1.3452	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	BENZO(K)FLUORANTHENE	360	J	125	370	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	CHRYSENE	420		114	370	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	CALCIUM	413	J	46	448.406	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	FLUORANTHENE	520		87.7	370	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	INDENO(1,2,3-C,D)PYRENE	160	J	108	370	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	PHENANTHRENE	420		99.1	370	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW8270C	BENZO(B)FLUORANTHENE	280	J	94.5	370	ug/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	CHROMIUM, TOTAL	10.8		0.13	0.8968	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW9012A	CYANIDE	1.9		0.54	0.54	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	ALUMINUM	8920		4.9	17.9363	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	ANTIMONY	1.6	J	1.1	5.3809	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	ARSENIC	3.4		0.47	0.8968	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	BARIUM	13.3	J	1.4	17.9363	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	BERYLLIUM	0.4	J	0.018	0.4484	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	POTASSIUM	324	J	59.2	448.406	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	BORON	1	J	0.94	8.9681	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	NICKEL	6.5		0.4	3.5873	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	COBALT	4.5		0.36	4.4841	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	COPPER	13.6		0.28	2.242	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	IRON	12400		7.6	17.9363	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	LEAD	16.5		0.26	0.8968	mg/Kg	K40
SSJ1K40001	ECC111605J1SUP01 (pre)		11/17/2005	SW6010B	MAGNESIUM	2080		36.4	448.406	mg/Kg	K40
SSJ1K40001	SSJ1K40001-SS3		4/11/2006	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	790		20	120	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	BERYLLIUM	0.3	J	0.02	0.5033	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	IRON	18500		8.5	20.1321	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW8270C	N-NITROSODIPHENYLAMINE	74	J	69.9	370	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW8270C	DI-N-BUTYL PHTHALATE	770		93.6	370	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW8270C	ACETOPHENONE	110	NJ			ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	ZINC	171		0.17	2.0132	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	SILVER	0.22	J	0.19	1.0066	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	POTASSIUM	518		66.5	503.302	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	NICKEL	79		0.45	4.0264	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	MOLYBDENUM	6.2		0.4	1.0066	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	MANGANESE	183		0.19	1.5099	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	ARSENIC	3.6		0.52	1.0066	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	LEAD	190		0.29	1.0066	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	560		4.8	13	ug/Kg	K40

J - Estimated
NJ = Estimated Result
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DL = Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	COPPER	1190		0.31	2.5165	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	COBALT	4.2	J	0.4	5.033	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	CHROMIUM, TOTAL	50.3		0.15	1.0066	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	CALCIUM	465	J	51.7	503.302	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	CADMIUM	0.54		0.06	0.5033	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	VANADIUM	15.2		0.48	5.033	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	BARIUM	249		1.5	20.1321	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	ANTIMONY	1.7	J	1.3	6.0396	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	ALUMINUM	11600		5.5	20.1321	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW6010B	MAGNESIUM	1800		40.8	503.302	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (post)		11/18/2005	SW8270C	2,4-DINITROTOLUENE	590		89.1	370	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	MANGANESE	198		0.2	1.5449	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8270C	BENZO(A)ANTHRACENE	100	U	100	390	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	COBALT	5.8		0.41	5.1498	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8270C	ACETOPHENONE	130	NJ			ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	ZINC	136		0.18	2.0599	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	VANADIUM	17		0.49	5.1498	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	THALLIUM	2.1	J	0.76	2.5749	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8270C	BENZO(B)FLUORANTHENE	100	J	99.2	390	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	NICKEL	86.3		0.46	4.1198	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	POTASSIUM	459	J	68	514.976	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	MAGNESIUM	1880		41.8	514.976	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	LEAD	29.9		0.3	1.03	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	IRON	26300		8.7	20.599	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	COPPER	445		0.32	2.5749	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8330	2,4-DINITROTOLUENE	19		3.6	13	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	SILVER	0.21	J	0.2	1.03	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	15		4.8	13	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	MOLYBDENUM	6.9		0.41	1.03	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8270C	BENZO(K)FLUORANTHENE	83	U	83	390	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	ALUMINUM	10300		5.6	20.599	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	ANTIMONY	2.4	J	1.3	6.1797	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	ARSENIC	3.8		0.54	1.03	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	BERYLLIUM	0.27	J	0.021	0.515	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	CADMIUM	0.43	J	0.062	0.515	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	14		1.4	13	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	CALCIUM	501	J	52.9	514.976	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	CHROMIUM, TOTAL	56.6		0.15	1.03	mg/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8270C	PYRENE	220	J	143	390	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8270C	PHENANTHRENE	230	J	104	390	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8270C	FLUORANTHENE	280	J	92	390	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8270C	DI-N-BUTYL PHTHALATE	110	J	99.2	390	ug/Kg	K40
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW8270C	CHRYSENE	110	U	110	390	ug/Kg	K40

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K40002	ECC111605J1SUP02 (pre)		11/17/2005	SW6010B	BARIUM	55		1.6	20.599	mg/Kg	K40
SSJ1K40002	SSJ1K40002-SS1		5/26/2006	SW6010B	COPPER	29		0.2	1.9685	mg/Kg	K40
SSJ1K40002	SSJ1K40002-SS2		5/26/2006	SW6010B	COPPER	24.8		0.2	1.9531	mg/Kg	K40
SSJ1K40002	SSJ1K40002-SS2		5/26/2006	SW8330	2,4-DINITROTOLUENE	2000		22	120	ug/Kg	K40
SSJ1K40002	SSJ1K40002-SS3		5/26/2006	SW6010B	COPPER	14.9		0.19	1.8797	mg/Kg	K40
SSJ1K40002	SSJ1K40002-SS4		5/26/2006	SW6010B	COPPER	3.3		0.18	1.938	mg/Kg	K40
SSJ1K40002	SSJ1K40002-SS5		5/26/2006	SW6010B	COPPER	49.9		0.19	2	mg/Kg	K40
SSJ1K40002	SSJ1K40002-SS6		5/26/2006	SW6010B	COPPER	16.4		0.2	1.8939	mg/Kg	K40
SSJ1K40002	SSJ1K40002-SS7		5/26/2006	SW6010B	COPPER	6050		19.2	193.798	mg/Kg	K40
SSJ1K40002	SSJ1K40002-SS8		5/26/2006	SW6010B	COPPER	30.4		0.18	1.8797	mg/Kg	K40
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	IRON	19700	J	8.7	20.6156	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	LEAD	144		0.23	1.0308	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	MAGNESIUM	1410		41.8	515.39	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	MANGANESE	97.8	J	0.2	1.5462	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW7471A	MERCURY	0.024	J	0.018	0.0427	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	SILVER	0.36	J	0.2	1.0308	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	MOLYBDENUM	1	J	0.41	1.0308	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	ARSENIC	4.1		0.54	1.0308	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	NICKEL	11.1		0.46	4.1231	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	POTASSIUM	504	J	68.1	515.39	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	COPPER	654	J	0.32	2.5769	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	ALUMINUM	11800	J	5.6	20.6156	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	BARIUM	14.9	J	1.6	20.6156	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	CADMIUM	0.39	J	0.062	0.5154	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	CALCIUM	1380		52.9	515.39	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	CHROMIUM, TOTAL	13.9	J	0.15	1.0308	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	BERYLLIUM	0.34	J	0.021	0.5154	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	15		4.8	13	ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	VANADIUM	18.1		0.49	5.1539	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW8330	2,4,6-TRINITROTOLUENE	18		3.6	13	ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW8330	2,4-DINITROTOLUENE	230		3.6	13	ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	16		1.4	13	ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW8330	4-AMINO-2,6-DINITROTOLUENE	15		2.3	13	ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW8270C	BENZALDEHYDE	110	NJ			ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	ZINC	39.9	J	0.18	2.0616	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (post)		10/20/2005	SW6010B	COBALT	3.1	J	0.41	5.1539	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	VANADIUM	16.6		0.5	5.1863	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW8270C	N-NITROSODIPHENYLAMINE	97	J	75.2	400	ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW8270C	DI-N-BUTYL PHTHALATE	600		101	400	ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	ZINC	27.6	J	0.18	2.0745	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	IRON	11400	J	8.7	20.7452	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	SILVER	0.3	J	0.2	1.0373	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	POTASSIUM	408	J	68.5	518.629	mg/Kg	K41

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UJ = Estimated Non Detect
DL = Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	NICKEL	4.3		0.47	4.149	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	MOLYBDENUM	0.76	J	0.41	1.0373	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW7471A	MERCURY	0.02	J	0.017	0.0405	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	MANGANESE	79.1	J	0.2	1.5559	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW8270C	2,4-DINITROTOLUENE	420		95.9	400	ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	BERYLLIUM	0.28	J	0.021	0.5186	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	MAGNESIUM	1040		42.1	518.629	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW8330	2,4,6-TRINITROTOLUENE	96		3.6	13	ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	70		4.8	13	ug/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	ALUMINUM	9820	J	5.7	20.7452	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	ANTIMONY	0.78	J	0.6	6.2235	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	BARIUM	19.5	J	1.6	20.7452	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	LEAD	22		0.23	1.0373	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	BORON	1.9	J	1.1	10.3726	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	CADMIUM	0.24	J	0.062	0.5186	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	CALCIUM	138	J	53.2	518.629	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	CHROMIUM, TOTAL	11.7	J	0.16	1.0373	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	COBALT	2.2	J	0.41	5.1863	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	COPPER	192	J	0.32	2.5931	mg/Kg	K41
SSJ1K41001	ECC101805J1SUP01 (pre)		10/19/2005	SW6010B	ARSENIC	4		0.54	1.0373	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	NICKEL	6.9		0.53	4.7441	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	COPPER	85.3		0.37	2.9651	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW8330	2,4,6-TRINITROTOLUENE	28		3.6	13	ug/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	ALUMINUM	16700		6.5	23.7206	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	ARSENIC	5.4		0.62	1.186	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	BARIUM	17.6	J	1.8	23.7206	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	BERYLLIUM	0.43	J	0.024	0.593	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	BORON	2.2	J	1.2	11.8603	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	CADMIUM	0.86		0.071	0.593	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	CALCIUM	146	J	60.9	593.014	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	SODIUM	81.9	J	76.9	593.014	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	COBALT	3.1	J	0.47	5.9301	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	ZINC	17.6		0.2	2.3721	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	IRON	17000		10	23.7206	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	LEAD	30.4		0.34	1.186	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	MAGNESIUM	1930		48.1	593.014	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	MANGANESE	87.8		0.23	1.779	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	MOLYBDENUM	0.93	J	0.47	1.186	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	POTASSIUM	654		78.3	593.014	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	VANADIUM	26.2		0.57	5.9301	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (post)		11/3/2005	SW6010B	CHROMIUM, TOTAL	18.8		0.18	1.186	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	CALCIUM	488	J	58.7	571.657	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	MAGNESIUM	2510		46.4	571.657	mg/Kg	K41

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DL = Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	ALUMINUM	15800		6.2	22.8663	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	ARSENIC	5		0.59	1.1433	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	BARIUM	19.4	J	1.7	22.8663	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	BERYLLIUM	0.53	J	0.023	0.5717	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	BORON	2.7	J	1.2	11.4331	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	CADMIUM	1.4		0.069	0.5717	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	CHROMIUM, TOTAL	21.4		0.17	1.1433	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	COPPER	19.8		0.35	2.8583	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	COBALT	4.3	J	0.46	5.7166	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	LEAD	9.7		0.33	1.1433	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	ZINC	23		0.19	2.2866	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	MANGANESE	133		0.22	1.715	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW7471A	MERCURY	0.022	J	0.018	0.0728	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	MOLYBDENUM	0.72	J	0.46	1.1433	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	NICKEL	9.5		0.51	4.5733	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	POTASSIUM	632		75.5	571.657	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	SELENIUM	0.87	J	0.46	4.0016	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	SILVER	0.35	J	0.22	1.1433	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	SODIUM	94.4	J	74.2	571.657	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	VANADIUM	27.1		0.55	5.7166	mg/Kg	K41
SSJ1K41002	ECC110105J1SUP01 (pre)		11/3/2005	SW6010B	IRON	16600		9.6	22.8663	mg/Kg	K41
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	BORON	35.9		0.19	10.5597	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	LEAD	292		0.18	0.3168	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW9012A	CYANIDE	0.98		0.52	0.52	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	ALUMINUM	7200		1.9	21.1193	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	ARSENIC	2.6		0.27	1.056	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	BERYLLIUM	0.31	J	0.021	0.528	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	CADMIUM	0.3	J	0.032	0.528	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	CALCIUM	384	J	13.4	527.983	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	CHROMIUM, TOTAL	7.9		0.085	1.056	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	COBALT	2.4	J	0.12	5.2798	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	IRON	8470		2	10.5597	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	MAGNESIUM	856		9.5	527.983	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	MANGANESE	82.7		0.2	1.5839	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	ZINC	29.3		0.16	2.1119	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	COPPER	1170		0.074	2.6399	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW8270C	BENZOIC ACID	63	J	130	870	ug/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	MOLYBDENUM	0.19	J	0.11	1.056	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	BARIUM	11.2	J	0.13	21.1193	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	VANADIUM	13.1		0.15	5.2798	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	SODIUM	83.8	J	18.2	527.983	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	SELENIUM	1.6		0.38	0.528	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	POTASSIUM	446	J	11.5	527.983	mg/Kg	J32

J - Estimated
NJ = Estimated Result
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW6010B	NICKEL	4.2	J	0.15	4.2239	mg/Kg	J32
SSJ1RD010	ECC043004J101 (post_c)		5/6/2004	SW8270C	NAPHTHALENE	24	J	31.5	350	ug/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	BARIUM	9	J	0.13	21.6685	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	IRON	7670		2.1	10.8342	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	ALUMINUM	5740		1.9	21.6685	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	ARSENIC	3.9		0.28	1.0834	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	BERYLLIUM	0.33	J	0.022	0.5417	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	BORON	4.1	J	0.2	10.8342	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	CADMIUM	0.2	J	0.033	0.5417	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	CALCIUM	125	J	13.7	541.712	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	CHROMIUM, TOTAL	6.7		0.087	1.0834	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	VANADIUM	11.5		0.15	5.4171	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	COBALT	2.9	J	0.12	5.4171	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	COPPER	16.1		0.076	2.7086	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	ZINC	9.9		0.16	2.1668	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	SODIUM	33.3	J	18.7	541.712	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	POTASSIUM	386	J	11.8	541.712	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	NICKEL	3.8	J	0.15	4.3337	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	MOLYBDENUM	0.3	J	0.11	1.0834	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	MANGANESE	81.5		0.21	1.6251	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	MAGNESIUM	831		9.8	541.712	mg/Kg	J32
SSJ1RD010	ECC043004J101 (pre)		5/6/2004	SW6010B	LEAD	5		0.18	0.325	mg/Kg	J32
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	BERYLLIUM	0.44	J	0.022	0.5537	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	IRON	11100		2.1	11.0742	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	SODIUM	29.8	J	19.1	553.71	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	SELENIUM	1.3		0.4	0.5537	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	POTASSIUM	477	J	12.1	553.71	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	MOLYBDENUM	0.41	J	0.11	1.1074	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	ZINC	18.9		0.17	2.2148	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	MAGNESIUM	1190		10	553.71	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	LEAD	233		0.19	0.3322	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	VANADIUM	18.2		0.15	5.5371	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	COPPER	1010		0.077	2.7685	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	COBALT	3.1	J	0.12	5.5371	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	CHROMIUM, TOTAL	12.6		0.089	1.1074	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	CALCIUM	133	J	14	553.71	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	BORON	6	J	0.2	11.0742	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	BARIUM	14.2	J	0.13	22.1484	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	ARSENIC	3.4		0.29	1.1074	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	ALUMINUM	9660		1.9	22.1484	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW9012A	CYANIDE	0.91		0.53	0.53	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	MANGANESE	82.3		0.21	1.6611	mg/Kg	J30
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	CADMIUM	0.13	J	0.033	0.5537	mg/Kg	J30

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD014	ECC050304J103 (post_c)		5/6/2004	SW6010B	NICKEL	5.4		0.15	4.4297	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	LEAD	6.9		0.18	0.3219	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	ZINC	14.1		0.16	2.146	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	VANADIUM	19.7		0.15	5.365	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	SODIUM	18.9	J	18.5	536.498	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	POTASSIUM	539		11.7	536.498	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	NICKEL	7.1		0.15	4.292	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	MOLYBDENUM	0.47	J	0.11	1.073	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	CHROMIUM, TOTAL	12.5		0.086	1.073	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	MAGNESIUM	1300		9.7	536.498	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	IRON	11600		2.1	10.73	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	COPPER	6		0.075	2.6825	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	COBALT	3.6	J	0.12	5.365	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	ALUMINUM	9540		1.9	21.4599	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	ARSENIC	4.1		0.28	1.073	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	BARIUM	14.2	J	0.13	21.4599	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	BERYLLIUM	0.43	J	0.021	0.5365	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	BORON	5.7	J	0.19	10.73	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	CADMIUM	0.14	J	0.032	0.5365	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	CALCIUM	177	J	13.6	536.498	mg/Kg	J30
SSJ1RD014	ECC050304J103 (pre)		5/6/2004	SW6010B	MANGANESE	88.3		0.2	1.6095	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	BORON	18.2		0.18	10.2337	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW9012A	CYANIDE	0.91		0.48	0.48	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	ALUMINUM	9710		1.8	20.4675	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	NICKEL	5.9		0.14	4.0935	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW8270C	PYRENE	30	J	78.5	340	ug/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW8270C	PHENANTHRENE	52	J	27.5	340	ug/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW8270C	NAPHTHALENE	30	J	31.1	340	ug/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW8270C	FLUORENE	18	J	42.1	340	ug/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	87	J	96	340	ug/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW8270C	ACENAPHTHYLENE	26	J	21.3	340	ug/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW8270C	2-METHYLNAPHTHALENE	16	J	30.2	340	ug/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	ZINC	24.1		0.15	2.0467	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	VANADIUM	16.4		0.14	5.1169	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	ARSENIC	3.5		0.27	1.0234	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	POTASSIUM	571	J	11.2	511.687	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	BARIUM	12.5	J	0.12	20.4675	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	MANGANESE	138		0.19	1.5351	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	MAGNESIUM	1270		9.3	511.687	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	LEAD	303		0.17	0.307	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	IRON	10500		2	10.2337	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	COPPER	2000	J	0.072	2.5584	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	COBALT	4.4	J	0.11	5.1169	mg/Kg	J30

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	CHROMIUM, TOTAL	9.5		0.082	1.0234	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	CALCIUM	236	J	13	511.687	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	BERYLLIUM	0.39	J	0.021	0.5117	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	SELENIUM	1.9		0.37	0.5117	mg/Kg	J30
SSJ1RD017	ECC051204J102 (post_c)		5/20/2004	SW6010B	CADMIUM	0.21	J	0.031	0.5117	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	CALCIUM	133	J	14.7	580.909	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	VANADIUM	25.5		0.16	5.8091	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	POTASSIUM	667	J	12.7	580.909	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	NICKEL	7.5		0.16	4.6473	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW7471A	MERCURY	0.019	J	0.018	0.0422	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	MANGANESE	76.1		0.22	1.7427	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	LEAD	13		0.2	0.3485	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	COPPER	4.7	J	0.081	2.9045	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	ZINC	17.6		0.17	2.3236	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	CHROMIUM, TOTAL	17.9		0.093	1.1618	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	MAGNESIUM	1680		10.5	580.909	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	CADMIUM	0.26	J	0.035	0.5809	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	BORON	5.5	J	0.21	11.6182	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	BERYLLIUM	0.43	J	0.023	0.5809	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	BARIUM	18.3	J	0.14	23.2364	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	ARSENIC	4.9		0.3	1.1618	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	ANTIMONY	0.52	J	0.31	6.9709	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	ALUMINUM	15400		2	23.2364	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	COBALT	4.1	J	0.13	5.8091	mg/Kg	J30
SSJ1RD017	ECC051204J102 (pre)		5/20/2004	SW6010B	IRON	16200		2.2	11.6182	mg/Kg	J30
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	COBALT	2.6		0.74	0.74	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	BARIUM	10.5		2.4	2.4	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	BORON	2.4	J	1.6	1.6	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	CALCIUM	101	J	60.2	60.2	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	ARSENIC	3.1		0.78	0.78	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	COPPER	5.5	J	0.29	0.29	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	ALUMINUM	9760		6	9.8	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	IRON	9420		6.1	6.1	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	LEAD	13	J	0.3	0.57	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	MAGNESIUM	1090		56.6	56.6	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	MANGANESE	53.4		0.2	0.2	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	VANADIUM	17.4		0.76	0.76	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	CHROMIUM, TOTAL	11.7		0.2	0.2	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	MOLYBDENUM	0.73	J	0.4	0.45	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	ZINC	12.9		0.27	0.27	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	SODIUM	249		68.7	68.7	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	POTASSIUM	361	J	63.5	63.5	mg/Kg	J39
SSJRANGEI	03612	HDJRANGEISS1	4/24/2003	CL200.7	NICKEL	8.5		0.59	0.59	mg/Kg	J39

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	SELENIUM	0.91	J	0.75	0.75	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	POTASSIUM	484		65.8	65.8	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	CADMIUM	7.5		0.1	0.1	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	SILVER	2.1		0.2	0.2	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	IRON	26600		6.3	6.3	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	MOLYBDENUM	6.2		0.4	0.47	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	MANGANESE	154		0.2	0.2	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	MAGNESIUM	1610		58.7	58.7	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	SODIUM	206		71.2	71.2	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	LEAD	574	J	0.3	0.59	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	NICKEL	13.5		0.61	0.61	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	COPPER	452	J	0.3	0.3	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	COBALT	5		0.77	0.77	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	CALCIUM	139		62.4	62.4	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	BARIUM	110		2.5	2.5	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	BORON	3.7		1.7	1.7	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	ALUMINUM	14900		6	10.2	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	ARSENIC	5.6		0.81	0.81	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	ZINC	179		0.28	0.28	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	VANADIUM	21.6		0.79	0.79	mg/Kg	J39
SSJRANGEI	03616	HDJRANGEISS5	4/24/2003	CL200.7	CHROMIUM, TOTAL	19.9		0.2	0.2	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	BORON	7.8		0.566	0.566	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	LEAD	27.7		0.202	0.202	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CVOL	STYRENE	1	J	0.32	12	ug/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	ZINC	138		0.29	0.323	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	VANADIUM	16		0.36	0.67	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	THALLIUM	1.2		0.566	0.566	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	SELENIUM	1.1		0.503	0.503	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	POTASSIUM	441		47.2	50.3	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	NICKEL	6.4		0.3	0.356	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	MOLYBDENUM	0.72		0.314	0.314	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	BARIUM	13.9		1.18	1.63	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	MAGNESIUM	950		28.1	41.7	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	ALUMINUM	9870		2.5	3	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	IRON	14700		4.21	5.13	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	COPPER	1200		0.34	0.398	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	COBALT	3.3		0.26	0.524	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	CHROMIUM, TOTAL	10		0.14	0.189	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	CALCIUM	221		29	48	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	CADMIUM	0.98		0.0606	0.0606	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	BERYLLIUM	0.13		0.03	0.0419	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	ARSENIC	3.6		0.398	0.398	mg/Kg	J39
SSJRANGEI	AD592	HDJRANGEI	9/30/1999	CL200.7	MANGANESE	319		0.08	0.0838	mg/Kg	J39

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1H40002	J1H40002_PE		9/13/2007	SW8330	2,4-DINITROTOLUENE	1300		14	120	UG/KG	H40
SSJ1H40002	J1H40002_PE		9/13/2007	E331.0	PERCHLORATE	1.8		0.24	0.94	UG/KG	H40
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	FLUORANTHENE	30	J	30	380	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	BENZO(B)FLUORANTHENE	46	J	46	380	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	2,4-DINITROTOLUENE	17000	J	28.8	2500	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	2,6-DINITROTOLUENE	850	J	91.5	380	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	2-NITRODIPHENYLAMINE	150	J	66.2	380	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	BENZO(A)ANTHRACENE	42	J	42	380	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	BENZO(A)PYRENE	34	J	34	380	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	VANADIUM	16.7		0.9	1.2	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	9	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CVOL	BROMOFORM	2	J	1.15	9	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CVOL	ACETONE	69	J	4.04	9	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	BENZO(K)FLUORANTHENE	35	J	35	380	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	BENZOIC ACID	60	J	60	950	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	DI-N-BUTYL PHTHALATE	11000	J	70.8	2500	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	N-NITROSODIPHENYLAMINE	880	J	82.8	380	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	PYRENE	57	J	57	380	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	NICKEL	16.1		0.3	0.3	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	POTASSIUM	506		37.1	37.1	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8270	CHRYSENE	54	J	54	380	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	SW8151A	4-NITROPHENOL	2400	J	256	1900	ug/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	ZINC	23.1		0.3	0.3	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	MOLYBDENUM	1.1		0.28	0.28	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	BERYLLIUM	0.21		0.06	0.06	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	BARIUM	20.1		0.8	0.8	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	ARSENIC	3.5		0.54	0.54	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	ALUMINUM	12100		2.7	2.7	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.016		0.0043	0.01	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.8	J	1.5	1.7	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	6230	J	0	0	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	LEAD	25		0.2	0.32	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	CADMIUM	0.15		0.06	0.06	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	CALCIUM	128		37.7	37.7	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	CHROMIUM, TOTAL	17		0.2	0.45	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	COBALT	2.8		0.32	0.32	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	COPPER	53.8		0.41	0.41	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	IRON	12200		3.5	4.7	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	121		1	2.3	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	MANGANESE	56.7		0.2	0.26	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	ANTIMONY	0.44	J	0.39	0.39	mg/Kg	K38
SS05CC	AS051	HC05CC1AAA	8/8/2001	CL200.7	MAGNESIUM	1120		27.8	27.8	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	ANTIMONY	0.54	J	0.42	0.42	mg/Kg	K38

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	ALUMINUM	16000		2.9	2.9	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	SW8330	TETRYL	590		28.5	120	ug/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.017		0.0043	0.01	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	5.9	J	1.5	1.6	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97.1		1	2.18	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	ARSENIC	4.6		0.58	0.58	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	COBALT	4.1		0.35	0.35	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	2450		0	0	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	MOLYBDENUM	0.61		0.3	0.3	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CVOL	BROMOFORM	2	J	1.15	8	ug/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CVOL	ACETONE	46	J	4.04	8	ug/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	SW8270	BENZOIC ACID	42	J	42	960	ug/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CPEST	HEPTACHLOR	2.1	NJ	0.273	2	ug/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	ZINC	40.8		0.32	0.32	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	VANADIUM	24.3		0.9	1.3	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	CALCIUM	121		40.6	40.6	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	NICKEL	10.4		0.32	0.32	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	BARIUM	17		0.86	0.86	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	MANGANESE	78.3		0.2	0.28	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	MAGNESIUM	2490		29.9	29.9	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	LEAD	10.8		0.2	0.35	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	IRON	16700		3.5	5	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	COPPER	25.8		0.44	0.44	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	CHROMIUM, TOTAL	16.8		0.2	0.49	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	CADMIUM	0.2		0.07	0.07	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	BERYLLIUM	0.42		0.07	0.07	mg/Kg	K38
SS05CC	AS052	HC05CC1BAA	8/8/2001	CL200.7	POTASSIUM	674		39.9	39.9	mg/Kg	K38
SS05CI	AS070	HC05CI1AAA	8/29/2001	SW8270	BENZOIC ACID	130	J	130	950	ug/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	MAGNESIUM	1000		27.4	27.4	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	MANGANESE	43.5	J	0.25	0.25	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	MOLYBDENUM	0.77	J	0.28	0.28	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CVOL	ACETONE	220	J	3.81	11	ug/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	NICKEL	8.7	J	0.3	0.3	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	POTASSIUM	549		35.1	35.1	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	SELENIUM	0.6	J	0.49	0.49	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	SW8270	DI-N-BUTYL PHTHALATE	110	J	70.8	380	ug/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	ZINC	18.2	J	0.3	0.3	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	LEAD	15.4		0.32	0.32	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	BARIUM	10.3		0.78	0.78	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	VANADIUM	21.6		0.23	0.23	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	IRON	12500	J	4.6	4.6	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	COPPER	20.1	J	0.4	0.4	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	COBALT	2.5		0.32	0.32	mg/Kg	L37

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	CHROMIUM, TOTAL	13.6	J	0.3	0.45	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	CALCIUM	112		25.2	25.2	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	BERYLLIUM	0.3		0.02	0.02	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	M8015V	C9-C10 AROMATIC HYDROCARBONS	1700		277	450	ug/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	ARSENIC	3.3		0.53	0.53	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	ALUMINUM	12400		2.6	2.6	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	M8015V	C9-C12 ALIPHATIC HYDROCARBONS	502		37	458	ug/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	10.1		1.5	2.8	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	113	J	1	2.2	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	3.6	11	ug/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	CL200.7	CADMIUM	0.07	J	0.06	0.06	mg/Kg	L37
SS05CI	AS070	HC05CI1AAA	8/29/2001	LYDKHN	TOTAL ORGANIC CARBON	12300	J	0	0	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	COPPER	11.3	J	0.39	0.39	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	9	ug/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CVOL	ACETONE	76		3.81	9	ug/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	22	J	22	380	ug/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	ZINC	16.3	J	0.29	0.29	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	VANADIUM	22.2		0.23	0.23	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	POTASSIUM	573		33.9	33.9	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	NICKEL	12.6	J	0.29	0.29	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	MOLYBDENUM	0.86	J	0.27	0.27	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	MANGANESE	44.1	J	0.25	0.25	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	MAGNESIUM	1010		26.5	26.5	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CVOL	TOLUENE	3	J	2.37	9	ug/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	IRON	13900	J	4.4	4.4	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	BARIUM	13		0.76	0.76	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	COBALT	2.7		0.31	0.31	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	CHROMIUM, TOTAL	14.5	J	0.3	0.43	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	CALCIUM	102		24.3	24.3	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	CADMIUM	0.1	J	0.06	0.06	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	BERYLLIUM	0.32		0.02	0.02	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	ARSENIC	4.3		0.51	0.51	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	ALUMINUM	13500		2.5	2.5	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	14.9	J	1.5	2.8	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	LYDKHN	TOTAL ORGANIC CARBON	6430	J	0	0	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	61.2	J	1	1.9	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	LEAD	12.5		0.31	0.31	mg/Kg	L37
SS05CI	AS071	HC05CI1BAA	8/29/2001	CL200.7	ANTIMONY	0.52	J	0.37	0.37	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	36	J	36	380	ug/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	MOLYBDENUM	0.62	J	0.29	0.29	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	NICKEL	5.3	J	0.31	0.31	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	POTASSIUM	450		36.8	36.8	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	VANADIUM	20.2		0.24	0.24	mg/Kg	L37

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mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CVOL	BROMOMETHANE	2	J	2	10	ug/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	SW8270	BENZOIC ACID	140	J	140	940	ug/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	MANGANESE	32	J	0.27	0.27	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CVOL	ACETONE	230	J	3.81	10	ug/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	LYDKHN	TOTAL ORGANIC CARBON	8130	J	0	0	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	COBALT	1.9		0.33	0.33	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	3.6	10	ug/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	ZINC	12.1	J	0.31	0.31	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	118	J	1	2.3	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	IRON	10500	J	4.8	4.8	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	MAGNESIUM	695		28.7	28.7	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.1		1.5	2.6	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	ALUMINUM	10300		2.8	2.8	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	ARSENIC	3.6		0.56	0.56	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	BARIUM	8.6		0.82	0.82	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	BERYLLIUM	0.24		0.02	0.02	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	CALCIUM	86.2		26.4	26.4	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	CHROMIUM, TOTAL	10.7	J	0.3	0.47	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	COPPER	11.8	J	0.42	0.42	mg/Kg	L37
SS05CJ	AS073	HC05CJ1AAA	8/30/2001	CL200.7	LEAD	12.6		0.33	0.33	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	COBALT	1.9		0.33	0.33	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	NICKEL	5.2	J	0.31	0.31	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	10	ug/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CVOL	ACETONE	150	J	3.81	10	ug/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	SW8270	BENZOIC ACID	120	J	120	920	ug/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	ZINC	11.7	J	0.31	0.31	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	VANADIUM	17.9		0.24	0.24	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	POTASSIUM	434		36.7	36.7	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.5		1.5	2.6	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	MOLYBDENUM	0.59	J	0.29	0.29	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	MANGANESE	37.1	J	0.27	0.27	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	MAGNESIUM	731		28.7	28.7	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	LEAD	10		0.33	0.33	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	COPPER	8.9	J	0.42	0.42	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	CHROMIUM, TOTAL	10.4	J	0.3	0.47	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	CALCIUM	78.5		26.3	26.3	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	BERYLLIUM	0.23		0.02	0.02	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	IRON	10400	J	4.8	4.8	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	115	J	1	2.2	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	LYDKHN	TOTAL ORGANIC CARBON	5770	J	0	0	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	ALUMINUM	10400		2.8	2.8	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	BARIUM	9		0.82	0.82	mg/Kg	L37
SS05CJ	AS074	HC05CJ1BAA	8/30/2001	CL200.7	ARSENIC	3.2		0.55	0.55	mg/Kg	L37

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	VANADIUM	15.1		0.41	0.41	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	MOLYBDENUM	0.67		0.18	0.18	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	NICKEL	8		0.41	0.41	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	POTASSIUM	419		45.6	45.6	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	MAGNESIUM	656		38.1	38.1	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	ZINC	19		0.18	0.18	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	300	J	76	350	ug/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	42	J	42	350	ug/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	SW8270	DI-N-BUTYL PHTHALATE	30	J	30	350	ug/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CVOL	BROMOMETHANE	4	J	4	8	ug/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	LEAD	30.4		0.12	0.12	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	8	ug/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CVOL	ACETONE	54	J	3.81	8	ug/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	ALUMINUM	8670		1.5	1.5	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	MANGANESE	42.8		0.12	0.12	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	IRON	9420		3.1	3.1	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	136		1	2.1	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.6	J	1.5	2.6	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	ANTIMONY	0.55	J	0.43	0.43	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	BARIUM	8.9		0.78	0.78	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	BERYLLIUM	0.19		0.04	0.04	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	CALCIUM	100	J	62.5	62.5	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	CHROMIUM, TOTAL	10.2		0.14	0.14	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	COBALT	2.2		0.27	0.27	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	CL200.7	COPPER	18		0.2	0.2	mg/Kg	L37
SS05DA	AS811	HC05DA1AAA	9/20/2001	LYDKHN	TOTAL ORGANIC CARBON	6340		0	0	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	LEAD	25.4		0.13	0.13	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	POTASSIUM	488		50.2	50.2	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	MAGNESIUM	784		41.9	41.9	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	MANGANESE	44.9		0.13	0.13	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	MOLYBDENUM	0.85		0.19	0.19	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	NICKEL	8.3		0.45	0.45	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	VANADIUM	19.1		0.45	0.45	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	ZINC	17.4		0.19	0.19	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	37	J	37	350	ug/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	SW8270	2,4-DINITROTOLUENE	19	J	19	350	ug/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	SW8270	DI-N-BUTYL PHTHALATE	100	J	71.5	350	ug/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	40	J	40	350	ug/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	13	ug/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.4	J	1.5	2.6	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	IRON	12300		3.4	3.4	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	127		1	2.2	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CVOL	ACETONE	48	J	3.81	13	ug/Kg	L37

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05DA	AS812	HC05DA1BAA	9/20/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.015		0.0043	0.011	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	ALUMINUM	11200		1.7	1.7	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	ANTIMONY	0.94	J	0.47	0.47	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	BERYLLIUM	0.22		0.04	0.04	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	CADMIUM	0.22		0.04	0.04	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	CALCIUM	128	J	68.7	68.7	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	CHROMIUM, TOTAL	14		0.15	0.15	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	COBALT	2.3		0.3	0.3	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	COPPER	14.2		0.22	0.22	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	CL200.7	BARIUM	11.5		0.86	0.86	mg/Kg	L37
SS05DA	AS812	HC05DA1BAA	9/20/2001	LYDKHN	TOTAL ORGANIC CARBON	6460		0	0	mg/Kg	L37
SS15156-A	05YE-01		2/2/2004	SW8270C	DI-N-BUTYL PHTHALATE	500		36.1	470	ug/Kg	J36
SS15156-A	05YE-01		2/2/2004	SW8270C	N-NITROSODIPHENYLAMINE	32	J	32	470	ug/Kg	J36
SS15156-A	05YE-01		2/2/2004	SW8270C	2,4-DINITROTOLUENE	400	J	89.1	470	ug/Kg	J36
SS15156-A	05YE-03		2/2/2004	SW8330	2,4-DINITROTOLUENE	220		18.9	120	ug/Kg	J36
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	POTASSIUM	465		12.8	378.788	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	CHROMIUM, TOTAL	13.6		0.13	0.7576	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	CADMIUM	25		0.034	0.3788	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	CALCIUM	371	J	75.4	378.788	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	LEAD	268		0.16	0.7576	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	ANTIMONY	0.36	J	0.17	4.5455	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	COPPER	732		2.6	18.9394	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW7471A	MERCURY	0.056		0.018	0.0436	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	MAGNESIUM	670		11	378.788	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	MANGANESE	41.2		0.017	1.1364	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	MOLYBDENUM	1.5		0.034	0.7576	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	ALUMINUM	11500		3.2	15.1515	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	NICKEL	5.8		0.068	3.0303	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8270C	ACENAPHTHYLENE	24	J	19.9	370	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8330	2,4-DINITROTOLUENE	270		13	130	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	8700		160	1300	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8330	2-AMINO-4,6-DINITROTOLUENE	260		12	130	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	110000		130	1300	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8330	TETRYL	23000		100	1300	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	COBALT	1.2	J	0.085	3.7879	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8270C	2,4-DINITROTOLUENE	230	J	17.9	370	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	IRON	12700		1.6	15.1515	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8270C	BENZYL BUTYL PHTHALATE	38	J	21.9	370	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	74	J	18.9	370	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8270C	2-CHLORONAPHTHALENE	130	J	14	370	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8270C	NAPHTHALENE	130	J	24.9	370	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8270C	2,4,6-TRINITROTOLUENE	33000	NJ	0	0	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	BARIUM	28.5		0.95	15.1515	mg/Kg	H33

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW8330	2,4,6-TRINITROTOLUENE	86000		83	1300	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	BNASIM	TOTAL MONOCHLORINATED NAPHTHALENES	610		14	36	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	ZINC	20.2		0.043	1.5152	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	VANADIUM	23.6		0.06	3.7879	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	BNASIM	TOTAL OCTACHLORINATED NAPHTHALENES	34	J	7.6	36	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	BNASIM	TOTAL HEPTACHLORINATED NAPHTHALENES	550		7.3	36	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	BNASIM	TOTAL HEXACHLORINATED NAPHTHALENES	500		7.8	36	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	BNASIM	TOTAL PENTACHLORINATED NAPHTHALENES	79000		13000	36000	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	BNASIM	TOTAL TETRACHLORINATED NAPHTHALENES	470000		9400	36000	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	BNASIM	TOTAL TRICHLORINATED NAPHTHALENES	360000		4100	36000	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	BNASIM	TOTAL DICHLORINATED NAPHTHALENES	24000		940	3600	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	ARSENIC	4.7		0.25	0.7576	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (post)		9/13/2007	SW6010B	BORON	2.3	J	0.13	7.5758	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	BNASIM	TOTAL DICHLORINATED NAPHTHALENES	15	J	13	49	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	BNASIM	TOTAL MONOCHLORINATED NAPHTHALENES	0		18	49	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	IRON	12900		2.1	22.8535	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW7471A	MERCURY	0.068		0.022	0.0536	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW8270C	3,3'-DICHLOROBENZIDINE	0	R	19.8	500	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW8270C	PYRENE	58	J	35.1	500	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW8270C	PHENANTHRENE	36	J	30.5	500	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW8270C	CHRYSENE	0	J	36.6	500	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	BNASIM	TOTAL TRICHLORINATED NAPHTHALENES	75		5.5	49	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	84	J	29	500	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	BNASIM	TOTAL OCTACHLORINATED NAPHTHALENES	0		10	49	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW8270C	FLUORANTHENE	61	J	27.4	500	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	ZINC	52.4		0.057	2.2853	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	COBALT	0.96	J	0.11	5.7134	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	MANGANESE	47.9		0.023	1.714	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	BNASIM	TOTAL HEXACHLORINATED NAPHTHALENES	0		11	49	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	MAGNESIUM	637		14.7	571.337	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	POTASSIUM	581		17.1	571.337	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	COPPER	17		0.35	2.8567	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	NICKEL	5.5		0.091	4.5707	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	ALUMINUM	12400		4.2	22.8535	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	MOLYBDENUM	1.2		0.046	1.1427	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	ARSENIC	4.8		0.33	1.1427	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	BARIUM	38.5		1.3	22.8535	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	VANADIUM	27.8		0.08	5.7134	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	CADMIUM	11.2		0.046	0.5713	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	BNASIM	TOTAL HEPTACHLORINATED NAPHTHALENES	0		9.8	49	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	BNASIM	TOTAL PENTACHLORINATED NAPHTHALENES	0		18	49	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	BNASIM	TOTAL TETRACHLORINATED NAPHTHALENES	69		13	49	ug/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	ANTIMONY	0.38	J	0.23	6.856	mg/Kg	H33

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	LEAD	41.4		0.22	1.1427	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	CALCIUM	710		101	571.337	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	CHROMIUM, TOTAL	12.3		0.17	1.1427	mg/Kg	H33
SSJ1H33001	ECC082207J1SUP01 (pre)		9/12/2007	SW6010B	BORON	2.6	J	0.17	11.4267	mg/Kg	H33
SSJ1H33001	J1H33001_SS2		12/10/2007	BNASIM	TOTAL TRICHLORINATED NAPHTHALENES	11	J	5.1	42	ug/Kg	H33
SSJ1H33001	J1H33001_SS2		12/10/2007	BNASIM	TOTAL TETRACHLORINATED NAPHTHALENES	36	J	12	42	ug/Kg	H33
SSJ1H33001	J1H33001_SS4		12/10/2007	SW8330	4-AMINO-2,6-DINITROTOLUENE	670		13	120	ug/Kg	H33
SSJ1H33001	J1H33001_SS4		12/10/2007	SW8330	2-AMINO-4,6-DINITROTOLUENE	620		13	120	ug/Kg	H33
SSJ1H33001	J1H33001_SS4		12/10/2007	SW8330	2-NITROTOLUENE	240		31	120	ug/Kg	H33
SSJ1H33001	J1H33001_SS4		12/10/2007	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	14000		30	240	ug/Kg	H33
SSJ1H33001	J1H33001_SS4		12/10/2007	SW8330	2,4,6-TRINITROTOLUENE	5300		11	120	ug/Kg	H33
SSJ1H33001	J1H33001_SS4		12/10/2007	BNASIM	TOTAL TRICHLORINATED NAPHTHALENES	25	J	6.2	51	ug/Kg	H33
SSJ1H33001	J1H33001_SS4		12/10/2007	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	770		13	120	ug/Kg	H33
SSJ1H33001	J1H33001_SS8		12/10/2007	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	240		15	120	ug/Kg	H33
Rows 45 to 64											
J1200034	TT490	J1.A.2.00034.1.0	9/1/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	7400		23	120	ug/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	POTASSIUM	473		47	111	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	18		2	8	ug/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CVOL	BROMOMETHANE	2	J	0.49	8	ug/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	SW8270	PYRENE	40	J	40	390	ug/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	SW8270	PHENANTHRENE	38	J	38	390	ug/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	SW8270	NAPHTHALENE	21	J	21	390	ug/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	SW8270	ACENAPHTHYLENE	28	J	28	390	ug/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	ZINC	24		0.0554	1	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	35000		23	600	ug/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	SELENIUM	1.1		1	1	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	NICKEL	7.3		0.11	1	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	MOLYBDENUM	0.9	J	0.0383	1	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	BERYLLIUM	0.22		0.03	0.06	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	ALUMINUM	16300		2	3	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	VANADIUM	19.9		0.156	1	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	BARIUM	13.8		1	2	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	MANGANESE	67.3		0.08	0.28	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	CADMIUM	0.78		0.07	0.17	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	CALCIUM	105	J	29	62	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	COBALT	1.5	J	0.0832	1	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	COPPER	39.4	J	0.34	0.36	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	IRON	14800		4	6	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	ARSENIC	3.6	J	1	1	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	LEAD	8.1		0.32	0.32	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	MAGNESIUM	1250		28	66	mg/Kg	K61
J1200034	TT491	J1.A.2.00034.2.0	9/1/2000	CL200.7	CHROMIUM, TOTAL	17.6		0.14	0.32	mg/Kg	K61

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02848-A	TT599	J1.B.2.00061.2.0	9/28/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	24000	J	29	350	ug/Kg	K58
SS02848-A	TT599	J1.B.2.00061.2.0	9/28/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	2600	J	23	350	ug/Kg	K58
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	ARSENIC	1.7		0.38	0.38	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	3900		7.52	67	ug/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	5100		7.43	67	ug/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	320		6.62	67	ug/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	380		6.53	67	ug/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	ALUMINUM	3720		2	2	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW9010	CYANIDE	0.58		0.49	0.49	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	SELENIUM	1.1		0.28	0.28	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	ALUMINUM	4130		2	2	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	MOLYBDENUM	0.31	J	0.1	0.1	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	MOLYBDENUM	0.47	J	0.1	0.1	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	NICKEL	4.5		0.26	0.26	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	NICKEL	3.1	J	0.26	0.26	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	POTASSIUM	324	J	29.3	29.3	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	MANGANESE	96		0.11	0.11	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	SELENIUM	0.79		0.28	0.28	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	MAGNESIUM	858		27.8	27.8	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	VANADIUM	8.9		0.27	0.27	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	VANADIUM	9		0.27	0.27	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	ZINC	15.9		0.21	0.21	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	ZINC	19.7		0.21	0.21	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW8270C	DI-N-BUTYL PHTHALATE	410		27	350	ug/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW8270C	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	920	NJ	0	0	ug/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW8270C	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160	NJ	0	0	ug/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	POTASSIUM	698		29.4	29.4	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	COBALT	3.7	J	0.27	0.27	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	BERYLLIUM	0.25	J	0.037	0.037	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	BARIUM	7.1	J	1.1	1.1	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	BARIUM	9.2	J	1.1	1.1	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	BERYLLIUM	0.27	J	0.037	0.037	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	CALCIUM	140	J	26.4	26.4	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	CHROMIUM, TOTAL	6.5		0.1	0.1	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	MANGANESE	154		0.11	0.11	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	COBALT	3.5	J	0.27	0.27	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	ARSENIC	2.3		0.38	0.38	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	COPPER	122		0.2	0.2	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	COPPER	176		0.2	0.2	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	IRON	7150		2.6	2.6	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	IRON	6480		2.6	2.6	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	LEAD	34.3		0.13	0.13	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	LEAD	41.2		0.13	0.13	mg/Kg	J48

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	MAGNESIUM	838		27.7	27.7	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	CHROMIUM, TOTAL	4.2		0.1	0.1	mg/Kg	J48
SS15092-A	ECC100803J1R01 (post)		10/15/2003	SW6010B	CALCIUM	122	J	26.5	26.5	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	MAGNESIUM	568		28.3	28.3	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	ARSENIC	2		0.39	0.39	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	BARIUM	5.2	J	1.1	1.1	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	BERYLLIUM	0.22	J	0.038	0.038	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	CALCIUM	102	J	27	27	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	COBALT	2.5	J	0.27	0.27	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	ALUMINUM	2740		2.1	2.1	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	LEAD	3.8		0.13	0.13	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	CHROMIUM, TOTAL	3.5		0.1	0.1	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	MANGANESE	92.5		0.11	0.11	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	MOLYBDENUM	0.36	J	0.1	0.1	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	NICKEL	2.3	J	0.26	0.26	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	POTASSIUM	221	J	29.9	29.9	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	SELENIUM	0.3	J	0.28	0.28	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	VANADIUM	7.4		0.27	0.27	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	ZINC	9.7		0.22	0.22	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	IRON	5620		2.6	2.6	mg/Kg	J48
SS15092-A	ECC100803J1R01 (pre)		10/15/2003	SW6010B	COPPER	5.4		0.21	0.21	mg/Kg	J48
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	CALCIUM	111	J	36.5	36.5	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	BERYLLIUM	0.36	J	0.051	0.051	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	BARIUM	15.9	J	1.5	1.5	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	ARSENIC	5.4		0.52	0.52	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	ALUMINUM	19100		2.8	2.8	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	15		1.63	13	ug/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	180		1.85	13	ug/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW9010	CYANIDE	2.3		0.64	0.64	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	SELENIUM	1.1		0.46	0.46	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	COBALT	3.4	J	0.37	0.37	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	VANADIUM	29.2		0.37	0.37	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	CHROMIUM, TOTAL	20.8		0.14	0.14	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	ZINC	18.6		0.29	0.29	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	COPPER	35.7		0.28	0.28	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	NICKEL	7.1		0.31	0.31	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	MOLYBDENUM	0.8	J	0.14	0.14	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	POTASSIUM	558	J	40.5	40.5	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW7471	MERCURY	0.052		0.022	0.022	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	MANGANESE	58.8		0.15	0.15	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	MAGNESIUM	1470		38.3	38.3	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	LEAD	26.5		0.18	0.18	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	IRON	17900		3.5	3.5	mg/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	THALLIUM	0.98	J	0.47	0.47	mg/Kg	
SS15110-A	ECC102303J1P2202 (post)		10/30/2003	SW6010B	BORON	1.3	J	0.8	0.8	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	THALLIUM	0.92	J	0.52	0.52	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	MANGANESE	40.7		0.17	0.17	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW7471	MERCURY	0.092		0.023	0.023	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	BARIUM	14.5	J	1.6	1.6	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	COBALT	2.6	J	0.41	0.41	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	LEAD	28.4		0.2	0.2	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	VANADIUM	30.5		0.41	0.41	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	IRON	18000		3.9	3.9	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	SELENIUM	1.5		0.51	0.51	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	POTASSIUM	486	J	44.7	44.7	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	NICKEL	5.7		0.34	0.34	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	MOLYBDENUM	1.2	J	0.15	0.15	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	ARSENIC	4.9		0.58	0.58	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	ALUMINUM	18700		3.1	3.1	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	ZINC	17		0.32	0.32	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	BERYLLIUM	0.34	J	0.056	0.056	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	BORON	1.8	J	0.88	0.88	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	CADMIUM	0.096	J	0.07	0.07	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	CALCIUM	146	J	40.3	40.3	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	CHROMIUM, TOTAL	19.9		0.15	0.15	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	COPPER	6.4		0.31	0.31	mg/Kg	
SS15110-A	ECC102303J1P2202 (pre)		10/30/2003	SW6010B	MAGNESIUM	880		42.2	42.2	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW9010	CYANIDE	4.7		0.58	0.58	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	ARSENIC	4.5		0.5	0.5	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	BERYLLIUM	0.31	J	0.049	0.049	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	CADMIUM	0.66		0.061	0.061	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	CALCIUM	107	J	35.2	35.2	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	CHROMIUM, TOTAL	15		0.13	0.13	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	COBALT	1.5	J	0.36	0.36	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	COPPER	1360		2.7	2.7	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	LEAD	435		0.17	0.17	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	ALUMINUM	16400		2.7	2.7	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	MAGNESIUM	585	J	36.9	36.9	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	MOLYBDENUM	0.66	J	0.13	0.13	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	IRON	17200		3.4	3.4	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	BARIUM	10.8	J	1.4	1.4	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	NICKEL	4.2	J	0.29	0.29	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	POTASSIUM	396	J	39	39	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	SELENIUM	5		0.44	0.44	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	VANADIUM	27		0.36	0.36	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	ZINC	22.6		0.28	0.28	mg/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW8270C	NAPHTHALENE	54	J	42.4	470	ug/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW7471	MERCURY	0.052		0.02	0.02	mg/Kg	
SS15122-A	ECC102403J1P2201 (post)-2		10/30/2003	SW6010B	MANGANESE	29.2		0.15	0.15	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	BORON	3.9	J	1.3	1.3	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	ZINC	58.3		0.47	0.47	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	VANADIUM	47.5		0.59	0.59	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	SELENIUM	1.9		0.74	0.74	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	POTASSIUM	589	J	65.1	65.1	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	NICKEL	9.1		0.49	0.49	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW7471	MERCURY	0.16		0.031	0.031	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	CHROMIUM, TOTAL	8.4		0.23	0.23	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	MANGANESE	64.9		0.25	0.25	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	MAGNESIUM	513	J	61.6	61.6	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	MOLYBDENUM	0.93	J	0.23	0.23	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	IRON	9220		5.7	5.7	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	LEAD	79.6		0.29	0.29	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	COBALT	1.3	J	0.59	0.59	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	CALCIUM	1390		58.7	58.7	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	BERYLLIUM	0.18	J	0.082	0.082	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	BARIUM	53.2		2.4	2.4	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	ARSENIC	2.9		0.84	0.84	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	ALUMINUM	7580		4.5	4.5	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	CADMIUM	1.2		0.1	0.1	mg/Kg	
SS15122-A	ECC102403J1P2201 (pre)-1		10/30/2003	SW6010B	COPPER	93.1		0.45	0.45	mg/Kg	
SS15122-A	SS15122A_SS1		11/1/2006	SW6010B	LEAD	16.5		0.48	1.7063	mg/Kg	
SS15122-A	SS15122A_SS1		11/1/2006	SW6010B	COPPER	31.1		0.34	4.2656	mg/Kg	
SS15122-A	SS15122A_SS2		11/1/2006	SW6010B	LEAD	26.7		0.41	1.4524	mg/Kg	
SS15122-A	SS15122A_SS2		11/1/2006	SW6010B	COPPER	15.6		0.29	3.6311	mg/Kg	
SS15122-A	SS15122A_SS3		11/1/2006	SW6010B	COPPER	32.9		0.22	2.7074	mg/Kg	
SS15122-A	SS15122A_SS3		11/1/2006	SW6010B	LEAD	20.4		0.3	1.083	mg/Kg	
SS15122-A	SS15122A_SS4		11/1/2006	SW6010B	LEAD	127		0.48	1.7021	mg/Kg	
SS15122-A	SS15122A_SS4		11/1/2006	SW6010B	COPPER	284		0.34	4.2552	mg/Kg	
SS15122-A	SS15122A_SS5		11/1/2006	SW6010B	LEAD	23.1		0.33	1.1744	mg/Kg	
SS15122-A	SS15122A_SS5		11/1/2006	SW6010B	COPPER	17.5		0.23	2.936	mg/Kg	
SS15122-A	SS15122A_SS6		11/1/2006	SW6010B	LEAD	18.8		0.4	1.419	mg/Kg	
SS15122-A	SS15122A_SS6		11/1/2006	SW6010B	COPPER	5.9		0.28	3.5476	mg/Kg	
SS15122-A	SS15122A_SS7		11/1/2006	SW6010B	LEAD	17		0.34	1.2015	mg/Kg	
SS15122-A	SS15122A_SS7		11/1/2006	SW6010B	COPPER	6.9		0.24	3.0037	mg/Kg	
SS15122-A	SS15122A_SS8		11/1/2006	SW6010B	LEAD	42.8		0.34	1.2125	mg/Kg	
SS15122-A	SS15122A_SS8		11/1/2006	SW6010B	COPPER	33		0.24	3.0313	mg/Kg	
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	COPPER	3230		0.077	2.7382	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	IRON	9580		2.1	10.9529	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	MAGNESIUM	893		9.9	547.645	mg/Kg	K45

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	NICKEL	6.5		0.15	4.3812	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	POTASSIUM	314	J	12	547.645	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	SELENIUM	7.4		0.39	0.5476	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	COBALT	1.9	J	0.12	5.4765	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	ZINC	340		0.16	2.1906	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	LEAD	575		0.19	0.3286	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	VANADIUM	13.3		0.15	5.4765	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	ALUMINUM	10400		1.9	21.9058	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	CALCIUM	172	J	13.9	547.645	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	CADMIUM	1.1		0.033	0.5476	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	BERYLLIUM	0.36	J	0.022	0.5476	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	BARIUM	8.4	J	0.13	21.9058	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	ARSENIC	1.3		0.28	1.0953	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	MANGANESE	72.6		0.21	1.6429	mg/Kg	K45
SS15227-A	ECC041404J101 (po_c)		4/30/2004	SW6010B	CHROMIUM, TOTAL	28.6		0.088	1.0953	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	COPPER	13.8		0.077	2.7655	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	COBALT	2	J	0.12	5.531	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	BERYLLIUM	0.24	J	0.022	0.5531	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	BARIUM	8	J	0.13	22.1239	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	IRON	7980		2.1	11.0619	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	ANTIMONY	0.33	J	0.3	6.6372	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	NICKEL	3.8	J	0.15	4.4248	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	ALUMINUM	6030		1.9	22.1239	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	110		1.24	13	ug/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	ARSENIC	2.6		0.29	1.1062	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	LEAD	5.6		0.19	0.3319	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	MAGNESIUM	789		10	553.097	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	MANGANESE	59.7		0.21	1.6593	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	POTASSIUM	316	J	12.1	553.097	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	CADMIUM	0.16	J	0.033	0.5531	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	VANADIUM	13.6		0.15	5.531	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	ZINC	46.5		0.17	2.2124	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	CALCIUM	194	J	14	553.097	mg/Kg	K45
SS15227-A	ECC041404J101 (pre)		4/29/2004	SW6010B	CHROMIUM, TOTAL	8.8		0.088	1.1062	mg/Kg	K45
SSA03270202	AZ655	HDA03270202AA	4/5/2002	SW8270	DIMETHYL PHTHALATE	280	J	39	450	ug/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	MANGANESE	48.9		0.21	0.21	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	ALUMINUM	17500		4.8	4.8	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	ARSENIC	4.2		0.71	0.71	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	BARIUM	14.2		0.92	0.92	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	BERYLLIUM	0.19	J	0.03	0.03	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	CADMIUM	127		0.1	0.13	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	CALCIUM	569		33.9	33.9	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	CHROMIUM, TOTAL	24.5		0.32	0.32	mg/Kg	J63

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	COBALT	2.2		0.77	0.77	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	COPPER	262		0.37	0.37	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	IRON	14000		4.5	4.5	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CVOL	BENZENE	1	J	1	9	ug/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	MAGNESIUM	719		34.9	34.9	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	9	ug/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	NICKEL	5.3		0.63	0.63	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	POTASSIUM	441		32.8	32.8	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	SELENIUM	2.6	J	0.53	0.53	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	VANADIUM	21.8		0.53	0.53	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	ZINC	244		0.26	0.26	mg/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	SW8270	BENZOIC ACID	920	J	211	1100	ug/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	75	J	75	450	ug/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	SW8270	DI-N-BUTYL PHTHALATE	53	J	53	450	ug/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CVOL	ACETONE	120	J	3.81	9	ug/Kg	J63
SSA03270202	AZ655	HDA03270202AA	4/5/2002	CL200.7	LEAD	40.5		0.21	0.21	mg/Kg	J63
SSA03270202	AZ656	HDA03270202AA	4/5/2002	BNASIM	CHLORONAPHTHALENE, (TOTAL)	92		44	44	ug/Kg	J63
SSA03270202	AZ656	HDA03270202AA	4/5/2002	BNASIM	TRICHLORONAPHTHALENE, (TOTAL)	95000		8800	8800	ug/Kg	J63
SSA03270202	AZ656	HDA03270202AA	4/5/2002	BNASIM	TETRACHLORNAPHTHALENE, (TOTAL)	76000		4400	4400	ug/Kg	J63
SSA03270202	AZ656	HDA03270202AA	4/5/2002	BNASIM	PENTACHLORNAPHTHALENE, (TOTAL)	45000	J	4400	4400	ug/Kg	J63
SSA03270202	AZ656	HDA03270202AA	4/5/2002	BNASIM	OCTACHLORONAPHTHALENE, (TOTAL)	87	J	44	44	ug/Kg	J63
SSA03270202	AZ656	HDA03270202AA	4/5/2002	BNASIM	HEXACHLORONAPHTHALENE, (TOTAL)	4600	J	440	440	ug/Kg	J63
SSA03270202	AZ656	HDA03270202AA	4/5/2002	BNASIM	DICHLORONAPHTHALENE, (TOTAL)	10000		4400	4400	ug/Kg	J63
SSA03270202	AZ656	HDA03270202AA	4/5/2002	BNASIM	HEPTACHLORONAPHTHALENE, (TOTAL)	1400	J	440	440	ug/Kg	J63
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	LEAD	60.6		0.31	0.893	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	MANGANESE	198		0.027	1.3395	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	NICKEL	13.4		0.12	3.5719	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	POTASSIUM	768		27.8	446.484	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	SELENIUM	0.86	J	0.47	3.1254	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	VANADIUM	25.1		0.22	4.4648	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	ZINC	527		1	8.9297	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	BNASIM	CHLORONAPHTHALENE, (TOTAL)	110		17	45	ug/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW8270C	DI-N-BUTYL PHTHALATE	57	J	22.6	390	ug/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	BNASIM	DICHLORONAPHTHALENE, (TOTAL)	2400		120	450	ug/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW8270C	DIMETHYL PHTHALATE	650		21.4	390	ug/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	BNASIM	HEPTACHLORONAPHTHALENE, (TOTAL)	130		9	45	ug/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	BNASIM	HEXACHLORONAPHTHALENE, (TOTAL)	660		9.6	45	ug/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW8270C	NAPHTHALENE	45	J	29.7	390	ug/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	BNASIM	PENTACHLORNAPHTHALENE, (TOTAL)	6900		170	450	ug/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	BNASIM	TRICHLORONAPHTHALENE, (TOTAL)	61000		500	4500	ug/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	CADMIUM	3		0.045	0.4465	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	MAGNESIUM	1630		7.1	446.484	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW7471A	MERCURY	0.021	J	0.018	0.0432	mg/Kg	K56

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	IRON	17700		7.5	17.8594	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	COPPER	810		1	11.1621	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	COBALT	4	J	0.12	4.4648	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	BNASIM	TETRACHLORNAPHTHALENE, (TOTAL)	51000		1200	4500	ug/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	CALCIUM	853		16.9	446.484	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	BERYLLIUM	0.39	J	0.018	0.4465	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	BARIUM	18.4		0.28	17.8594	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	MOLYBDENUM	6.1		0.15	0.893	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	ARSENIC	4.6		0.29	0.893	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	ALUMINUM	27400		1.3	17.8594	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (post)		8/9/2007	SW6010B	CHROMIUM, TOTAL	60.3		0.08	0.893	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	BERYLLIUM	0.39	J	0.018	0.4501	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	ALUMINUM	36200		1.3	18.0037	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	MOLYBDENUM	2.1		0.15	0.9002	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	POTASSIUM	754		28	450.094	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	ZINC	644		1	9.0019	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	VANADIUM	25.1		0.23	4.5009	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	ARSENIC	4.9		0.3	0.9002	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	NICKEL	11		0.13	3.6007	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW7471A	MERCURY	0.035	J	0.02	0.0472	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	MANGANESE	173		0.027	1.3503	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	MAGNESIUM	1650		7.2	450.094	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	IRON	13800		7.6	18.0037	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	COPPER	570		1	11.2523	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	COBALT	3.8	J	0.12	4.5009	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	CHROMIUM, TOTAL	44.4		0.081	0.9002	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	CALCIUM	572		17	450.094	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	CADMIUM	0.96		0.045	0.4501	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	LEAD	12.7		0.32	0.9002	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	SELENIUM	0.95	J	0.48	3.1507	mg/Kg	K56
SSJ1K56001	ECC080207J1SUP01 (pre)		8/8/2007	SW6010B	BARIUM	17.6	J	0.28	18.0037	mg/Kg	K56
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	ANTIMONY	1.2	J	0.21	6.345	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	IRON	13200		2	21.1499	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	COPPER	1380		2.4	26.4374	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	COBALT	1.2	J	0.11	5.2875	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	CALCIUM	436	J	93.5	528.748	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	CHROMIUM, TOTAL	13.9		0.16	1.0575	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	BERYLLIUM	0.12	J	0.032	0.5287	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	ARSENIC	4.4		0.31	1.0575	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	ALUMINUM	10600		3.9	21.1499	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	LEAD	27.3		0.2	1.0575	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	BARIUM	30.3		1.2	21.1499	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW8270C	DIMETHYL PHTHALATE	850		25.3	460	ug/Kg	K57

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	MAGNESIUM	831		13.6	528.748	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	CADMIUM	8.8		0.042	0.5287	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	SELENIUM	0.31	J	0.29	3.7012	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	VANADIUM	29.3		0.074	5.2875	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	ZINC	76.9		0.053	2.115	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW8270C	2-METHYLNAPHTHALENE	33	J	30.9	460	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW8270C	DI-N-BUTYL PHTHALATE	100	J	26.7	460	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW8270C	FLUORANTHENE	46	J	25.3	460	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW8270C	NAPHTHALENE	220	J	35.2	460	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	NICKEL	7		0.085	4.23	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	MANGANESE	57.1		0.021	1.5862	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW7471A	MERCURY	0.073		0.021	0.0511	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW8270C	ACENAPHTHYLENE	90	J	28.1	460	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	MOLYBDENUM	0.88	J	0.042	1.0575	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	BNASIM	PENTACHLORNAPHTHALENE, (TOTAL)	110		17	45	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW6010B	POTASSIUM	396	J	15.9	528.748	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	BNASIM	TRICHLORONAPHTHALENE, (TOTAL)	110		5.1	45	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW8270C	PYRENE	56	J	32.3	460	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	BNASIM	TETRACHLORNAPHTHALENE, (TOTAL)	120		12	45	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (post)		8/2/2007	SW8270C	PHENANTHRENE	65	J	28.1	460	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	COBALT	0.65	J	0.12	5.896	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	BERYLLIUM	0.053	J	0.035	0.5896	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	ANTIMONY	0.5	J	0.24	7.0752	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	BARIUM	53.3		1.3	23.5841	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	CADMIUM	814		0.29	2.948	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	CALCIUM	1510		104	589.602	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	CHROMIUM, TOTAL	7.3	J	0.18	1.1792	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	ALUMINUM	5080	J	4.4	23.5841	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	POTASSIUM	472	J	17.7	589.602	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW8270C	PHENANTHRENE	39	J	32.2	530	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW8270C	PYRENE	51	J	37	530	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW8270C	CHRYSENE	40	J	38.6	530	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	COPPER	23.6		0.37	2.948	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW8270C	BENZO(A)PYRENE	33	J	25.8	530	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	ARSENIC	4.3		0.34	1.1792	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	ZINC	23.4	J	0.059	2.3584	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW8270C	FLUORANTHENE	64	J	29	530	ug/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	SELENIUM	0.58	J	0.32	4.1272	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	NICKEL	7.5		0.094	4.7168	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	MOLYBDENUM	0.74	J	0.047	1.1792	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW7471A	MERCURY	0.11		0.024	0.057	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	MANGANESE	79.1	J	0.024	1.7688	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	MAGNESIUM	624		15.2	589.602	mg/Kg	K57

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	LEAD	49		0.22	1.1792	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	IRON	8110		2.2	23.5841	mg/Kg	K57
SSJ1K57001	ECC072507J1SUP04 (pre)		8/1/2007	SW6010B	VANADIUM	32.9		0.083	5.896	mg/Kg	K57
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	ALUMINUM	9320		2.3	19.2868	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	BERYLLIUM	0.38	J	0.039	0.4822	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW8270C	PHENOL	210	J	47.4	400	ug/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	ARSENIC	4.3		0.41	0.9643	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	NICKEL	5.9		0.22	3.8574	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	14		1.41	13	ug/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW9012A	CYANIDE	5.6		0.59	0.59	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	BARIUM	13.1	J	0.34	19.2868	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	LEAD	6.1		0.22	0.2893	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	CADMIUM	29.7		0.058	0.4822	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	CALCIUM	127	J	8.4	482.169	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	CHROMIUM, TOTAL	11.9		0.11	0.9643	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	COBALT	3.4	J	0.11	4.8217	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	COPPER	1640		0.37	2.4108	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	THALLIUM	0.74	J	0.68	0.9643	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	IRON	12100		5.1	9.6434	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW8270C	BENZOIC ACID	640	J	149	1000	ug/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	MAGNESIUM	1410		7.9	482.169	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	MANGANESE	65.4		0.22	1.4465	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	MOLYBDENUM	0.45	J	0.15	0.9643	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	POTASSIUM	492		11	482.169	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	VANADIUM	17.6		0.14	4.8217	mg/Kg	K58
SSJ1P26002	ECC022305J101 (post)		3/10/2005	SW6010B	ZINC	15		0.25	1.9287	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW7471A	MERCURY	0.027	J	0.018	0.0437	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	POTASSIUM	712		15	656.168	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	MAGNESIUM	1920		10.7	656.168	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	ALUMINUM	16900		3.1	26.2467	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	VANADIUM	27.7		0.18	6.5617	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	NICKEL	8.4		0.3	5.2493	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	MOLYBDENUM	0.81	J	0.21	1.3123	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	MANGANESE	76.9		0.3	1.9685	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	LEAD	9.1		0.3	0.3937	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	IRON	15500		6.9	13.1234	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	COBALT	4.2	J	0.14	6.5617	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	CHROMIUM, TOTAL	20.1		0.14	1.3123	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	CALCIUM	196	J	11.4	656.168	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	CADMIUM	0.17	J	0.079	0.6562	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	BERYLLIUM	0.36	J	0.052	0.6562	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	BARIUM	16.8	J	0.46	26.2467	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	ARSENIC	5.1		0.55	1.3123	mg/Kg	K58

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mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	COPPER	4.1		0.5	3.2808	mg/Kg	K58
SSJ1P26002	ECC022305J101 (pre)		3/10/2005	SW6010B	ZINC	20.5		0.34	2.6247	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	1100000		31000	160000	ug/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW7471A	MERCURY	0.019	J	0.019	0.0448	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	NICKEL	8.1		0.27	4.7441	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	POTASSIUM	573	J	13.5	593.007	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	VANADIUM	23.7		0.17	5.9301	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	ZINC	32.9		0.31	2.372	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW8270C	CHLORONAPHTHALENE, (TOTAL)	730		40	200	ug/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	60000		830	4100	ug/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW8270C	HEPTACHLORONAPHTHALENE, (TOTAL)	2400		61	200	ug/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	390000		15000	41000	ug/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	MANGANESE	73.4		0.27	1.779	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW8270C	OCTACHLORONAPHTHALENE, (TOTAL)	260		65	200	ug/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW8270C	HEXACHLORONAPHTHALENE, (TOTAL)	22000		1200	4100	ug/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	ARSENIC	5.5		0.5	1.186	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	MAGNESIUM	1720		9.7	593.007	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	1200000		56000	160000	ug/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	ALUMINUM	13900		2.8	23.7203	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW9012A	CYANIDE	10.3		0.6	0.6	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	BARIUM	17.6	J	0.42	23.7203	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	BERYLLIUM	0.42	J	0.047	0.593	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	CALCIUM	95.4	J	10.3	593.007	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	CHROMIUM, TOTAL	18.3		0.13	1.186	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	COBALT	4	J	0.13	5.9301	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	LEAD	9		0.27	0.3558	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	COPPER	776		0.45	2.965	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	IRON	15200		6.2	11.8601	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	CADMIUM	8.7		0.071	0.593	mg/Kg	K58
SSJ1P26003	ECC022305J102 (post)		3/10/2005	SW6010B	ANTIMONY	0.57		0.46	7.1161	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW8270C	BENZOIC ACID	310	J	162	1100	ug/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	MANGANESE	69.8		0.25	1.6447	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	MOLYBDENUM	0.79	J	0.18	1.0965	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	NICKEL	7.9		0.25	4.386	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	POTASSIUM	648		12.5	548.246	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	ZINC	36.2		0.29	2.193	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW8270C	PHENOL	140	J	51.3	430	ug/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	LEAD	10.7		0.25	0.3289	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	MAGNESIUM	1580		9	548.246	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	VANADIUM	28		0.15	5.4825	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	ANTIMONY	0.54	J	0.43	6.5789	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW7471A	MERCURY	0.03	J	0.017	0.0405	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	IRON	16600		5.8	10.9649	mg/Kg	K58

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	ALUMINUM	16200		2.6	21.9298	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	ARSENIC	5.6		0.46	1.0965	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	BARIUM	19.5	J	0.38	21.9298	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	BERYLLIUM	0.42	J	0.044	0.5482	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	CADMIUM	0.28	J	0.066	0.5482	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	CALCIUM	184	J	9.5	548.246	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	CHROMIUM, TOTAL	18.2		0.12	1.0965	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	COBALT	3.6	J	0.12	5.4825	mg/Kg	K58
SSJ1P26003	ECC022305J102 (pre)		3/10/2005	SW6010B	COPPER	51.3		0.42	2.7412	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	PHENOL	180	J	38.9	430	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	DI-N-BUTYL PHTHALATE	100	J	25.2	430	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	VANADIUM	27.7		0.17	4.6296	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	NICKEL	6.5		0.28	3.7037	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	ACENAPHTHYLENE	22	J	20.3	430	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	BENZOIC ACID	6000		537	3600	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	CHLORONAPHTHALENE, (TOTAL)	33	J	8.6	44	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	POTASSIUM	469	J	13.9	462.963	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	13000		900	4400	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	DIMETHYL PHTHALATE	960		43.6	430	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	HEPTACHLORONAPHTHALENE, (TOTAL)	1400		130	440	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	HEXACHLORONAPHTHALENE, (TOTAL)	6100		130	440	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	NAPHTHALENE	77	J	29.7	430	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	54000		1600	4400	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	110000		6000	18000	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	100000		3400	18000	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8270C	OCTACHLORONAPHTHALENE, (TOTAL)	88		14	44	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	ANTIMONY	0.84	J	0.47	5.5556	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	MOLYBDENUM	0.87	J	0.19	0.9259	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	ZINC	36.5		0.32	1.8519	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW9012A	CYANIDE	2.7		0.52	0.52	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	ALUMINUM	14800		2.9	18.5185	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	ARSENIC	5		0.51	0.9259	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	BARIUM	14.5	J	0.43	18.5185	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	BERYLLIUM	0.33	J	0.049	0.463	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	CADMIUM	2.2		0.073	0.463	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	MANGANESE	71.7		0.28	1.3889	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	63		1.41	13	ug/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW7471A	MERCURY	0.025	J	0.019	0.0451	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	CALCIUM	8090		10.6	462.963	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	MAGNESIUM	1160		10	462.963	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	LEAD	10.2		0.28	0.28	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	IRON	19800		6.4	9.2593	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	COPPER	946		0.46	2.3148	mg/Kg	K58

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	COBALT	2.5	J	0.13	4.6296	mg/Kg	K58
SSJ1P26004	ECC022305J103 (post)		3/10/2005	SW6010B	CHROMIUM, TOTAL	17.7		0.13	0.9259	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	COBALT	3.2	J	0.16	7.0508	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	MANGANESE	57.4		0.32	2.1152	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW8270C	BENZOIC ACID	620	J	184	1200	ug/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	ZINC	18.4		0.37	2.8203	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	VANADIUM	31.3		0.2	7.0508	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	THALLIUM	1.3	J	0.99	1.4102	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	POTASSIUM	556	J	16.1	705.079	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	NICKEL	7.4		0.32	5.6406	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	MOLYBDENUM	0.96	J	0.23	1.4102	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW7471A	MERCURY	0.029	J	0.023	0.0544	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW8270C	PHENOL	230	J	58.3	490	ug/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	CADMIUM	0.1	J	0.085	0.7051	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	ALUMINUM	18100		3.4	28.2032	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	IRON	18700		7.4	14.1016	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	MAGNESIUM	1300		11.5	705.079	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	ARSENIC	5.4		0.59	1.4102	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	BERYLLIUM	0.41	J	0.056	0.7051	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	ANTIMONY	0.81	J	0.55	8.461	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	CALCIUM	135	J	12.3	705.079	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	CHROMIUM, TOTAL	19.4		0.16	1.4102	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	COPPER	6.3		0.54	3.5254	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	LEAD	11.8		0.32	0.423	mg/Kg	K58
SSJ1P26004	ECC022305J103 (pre)		3/10/2005	SW6010B	BARIUM	15.5	J	0.49	28.2032	mg/Kg	K58
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	NICKEL	8.2		0.25	0.25	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	MAGNESIUM	2440		18.5	18.5	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	MANGANESE	152		0.062	0.062	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	LEAD	49.6		0.21	0.21	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	MOLYBDENUM	0.45		0.19	0.19	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	POTASSIUM	891		48.3	48.3	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	SODIUM	104	J	57.9	57.9	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	VANADIUM	21.3		0.28	0.28	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW8270C	BENZOIC ACID	51	J	50	1200	ug/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1300		4.8	13	ug/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	IRON	15200		6.3	6.3	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	ZINC	75.7		0.2	0.2	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	ARSENIC	5.2		0.49	0.49	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	ANTIMONY	0.97	J	0.81	0.81	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	COPPER	136		0.23	0.23	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	ALUMINUM	11700		12.3	12.3	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW8330	2,4,6-TRINITROTOLUENE	26		3.6	13	ug/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	BARIUM	20.3		0.56	0.56	mg/Kg	K48

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mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	BERYLLIUM	0.55		0.031	0.031	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	BORON	1.4	J	0.76	0.76	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	CALCIUM	232		19.1	19.1	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	CHROMIUM, TOTAL	15.5		0.14	0.14	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW6010B	COBALT	5.8		0.29	0.29	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-POST		7/20/2006	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1300		9.6	27	ug/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	MAGNESIUM	2570		15.5	15.5	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	MANGANESE	131		0.052	0.052	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	MOLYBDENUM	0.51		0.16	0.16	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	NICKEL	9.2		0.21	0.21	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	POTASSIUM	928		40.5	40.5	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	SODIUM	101		48.6	48.6	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	VANADIUM	23.4		0.24	0.24	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	LEAD	8.6		0.17	0.17	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	140	J	123	410	ug/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	BARIUM	19.9		0.47	0.47	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	ZINC	70.3		0.17	0.17	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	IRON	16500		5.3	5.3	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	COPPER	8		0.19	0.19	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	COBALT	5.6		0.24	0.24	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	CHROMIUM, TOTAL	18		0.11	0.11	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	CALCIUM	238		16.1	16.1	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	BERYLLIUM	0.54		0.026	0.026	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	ARSENIC	5.2		0.41	0.41	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	ANTIMONY	1.1	J	0.68	0.68	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	ALUMINUM	14000		10.3	10.3	mg/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	14		4.8	13	ug/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW8330	2,4,6-TRINITROTOLUENE	54		3.6	13	ug/Kg	K48
SSRDST0613	TT062906-01RDS-C-PRE		7/20/2006	SW6010B	BORON	2.6		0.64	0.64	mg/Kg	K48
Rows 65 to 72											
SS118A	AK678	HC118A1AAA	10/16/2000	CVOL	TOLUENE	2	J	0.32	10	ug/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	MOLYBDENUM	8		0.49	0.652	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	89.5		0.01	0.01	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	10	ug/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CVOL	ACETONE	150	J	4.34	10	ug/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	SW8270	DI-N-BUTYL PHTHALATE	36	J	36	370	ug/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	370	ug/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	ZINC	51.6		0.29	0.736	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	VANADIUM	19.3		0.36	0.421	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	NICKEL	12.4		0.3	0.442	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	MANGANESE	49.2		0.08	0.0841	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	MAGNESIUM	448		28.1	58.5	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	LEAD	25.3	J	0.32	0.379	mg/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	IRON	13000		4.21	4.46	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	130		29	120	ug/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	LYDKHN	TOTAL ORGANIC CARBON	10400	J	0	0	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	POTASSIUM	267		38.2	38.2	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	E350.2	NITROGEN, AMMONIA (AS N)	10.2	J	0.02	0.02	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	COPPER	128		0.34	0.379	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	SW8151A	MCPA	9200	J	965	9200	ug/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	SW8151A	PICLORAM	7.9	NJ	2.9	5.2	ug/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	ALUMINUM	8790		2.5	2.61	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	BERYLLIUM	0.09	J	0.021	0.021	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	BORON	9		0.63	1.14	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	CADMIUM	0.32		0.0631	0.0631	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	CHROMIUM, TOTAL	18.4		0.14	0.231	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	COBALT	1.4		0.26	0.336	mg/Kg	
SS118A	AK678	HC118A1AAA	10/16/2000	CL200.7	BARIUM	14.6		0.862	0.862	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CVOL	ACETONE	260	J	4.34	10	ug/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	LEAD	6.6	J	0.32	0.374	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	MAGNESIUM	369		28.1	57.8	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	MOLYBDENUM	0.86	J	0.49	0.644	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	55		0.01	0.01	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	POTASSIUM	269		37.7	37.7	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CVOL	TOLUENE	2	J	0.32	10	ug/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	ZINC	25.3		0.29	0.727	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	1.8	10	ug/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	MANGANESE	18.3		0.08	0.083	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	IRON	7790		4.21	4.4	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	VANADIUM	13.8		0.36	0.415	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	ALUMINUM	8920		2.5	2.57	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	NICKEL	3.1	J	0.3	0.436	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	COPPER	3.5		0.34	0.374	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.3	J	0.02	0.02	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	220		29	120	ug/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	LYDKHN	TOTAL ORGANIC CARBON	9990	J	0	0	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	BARIUM	9.9		0.851	0.851	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	BERYLLIUM	0.12	J	0.0208	0.0208	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	BORON	5.3		0.63	1.12	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	CADMIUM	0.21		0.0623	0.0623	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	CALCIUM	61.7	J	29	54.2	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	CHROMIUM, TOTAL	7.6		0.14	0.228	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	CL200.7	COBALT	1		0.26	0.332	mg/Kg	
SS118A	AK679	HC118A1BAA	10/16/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	NICKEL	3.3		0.3	0.4	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	LEAD	6.2	J	0.32	0.343	mg/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	MAGNESIUM	613		28.1	53	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	MANGANESE	24		0.0762	0.0762	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	MOLYBDENUM	0.86	J	0.49	0.591	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	POTASSIUM	248		34.6	34.6	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	THALLIUM	1	J	0.64	0.857	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	VANADIUM	12.9		0.36	0.381	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	ZINC	19.5		0.29	0.667	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CVOL	ACETONE	120	J	4.34	9	ug/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CVOL	TOLUENE	2	J	0.32	9	ug/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	COBALT	1.1		0.26	0.305	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	9	ug/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	LYDKHN	TOTAL ORGANIC CARBON	6550	J	0	0	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	IRON	7500		4.04	4.04	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73.5		0.01	0.01	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	COPPER	3.2		0.34	0.343	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	E350.2	NITROGEN, AMMONIA (AS N)	12.4	J	0.02	0.02	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	ALUMINUM	9120		2.36	2.36	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	BERYLLIUM	0.09	J	0.019	0.019	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	BORON	5.5		0.63	1.03	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	CADMIUM	0.06	J	0.0571	0.0571	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	CALCIUM	55.1		29	49.7	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	CHROMIUM, TOTAL	8.7		0.14	0.21	mg/Kg	
SS118A	AK680	HC118A1CAA	10/16/2000	CL200.7	BARIUM	9.4		0.781	0.781	mg/Kg	
SS118A	AK682	HD118A3AAA	10/16/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	1800		23	120	ug/Kg	
SS118A	AK682	HD118A3AAA	10/16/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	3500	J	29	120	ug/Kg	
SS118A	AK682	HD118A3AAA	10/16/2000	SW8330	2-AMINO-4,6-DINITROTOLUENE	170		27	120	ug/Kg	
SS118A	AK686	HD118A3BAA	10/16/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1400		29	120	ug/Kg	
SS118A	AK686	HD118A3BAA	10/16/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	430		23	120	ug/Kg	
SS118A	AK690	HD118A3CAA	10/16/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1600		29	120	ug/Kg	
SS118A	AK690	HD118A3CAA	10/16/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	410		23	120	ug/Kg	
SS118A	AK709	HD118A3BAD	10/16/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1500		29	120	ug/Kg	
SS118A	AK709	HD118A3BAD	10/16/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	390		23	120	ug/Kg	
SS118A	BD895	HD118A1AAA	5/21/2002	E314.0	PERCHLORATE	60.6	J	2.26	3.72	ug/Kg	
SS118A	BD896	HD118A3AAA	5/21/2002	E314.0	PERCHLORATE	4.58	J	2.26	3.53	ug/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	ZINC	14.8		0.29	0.76	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	MAGNESIUM	408		28.1	60.4	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	POTASSIUM	254		39.4	39.4	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	95.2		0.01	0.01	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	1.8	9	ug/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CVOL	ACETONE	210	J	4.34	9	ug/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	VANADIUM	14.6		0.36	0.434	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	NICKEL	6.5		0.3	0.456	mg/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	MANGANESE	45.8		0.08	0.0868	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CVOL	TOLUENE	2	J	0.32	9	ug/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	LEAD	9	J	0.32	0.391	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	IRON	10800		4.21	4.6	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	COPPER	17.1		0.34	0.391	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	COBALT	1.3		0.26	0.347	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	E350.2	NITROGEN, AMMONIA (AS N)	18.2		0.02	0.02	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	MOLYBDENUM	1.2	J	0.49	0.673	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	LYDKHN	TOTAL ORGANIC CARBON	21600	J	0	0	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	CHROMIUM, TOTAL	10.1		0.14	0.239	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1000		29	120	ug/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	SW8151A	MCPP	12000	J	1365	9200	ug/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	BARIUM	7.4		0.89	0.89	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	BERYLLIUM	0.1	J	0.0217	0.0217	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	BORON	7.4		0.63	1.17	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	CADMIUM	0.36		0.0651	0.0651	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	CALCIUM	61.9	J	29	56.7	mg/Kg	
SS118B	AK693	HC118B1AAA	10/16/2000	CL200.7	ALUMINUM	7120		2.5	2.69	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CVOL	ACETONE	520	J	4.34	25	ug/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	MAGNESIUM	698		28.1	55.4	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	MANGANESE	40.4		0.0796	0.0796	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	MOLYBDENUM	0.63	J	0.49	0.617	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	NICKEL	3.9		0.3	0.418	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	POTASSIUM	338		36.2	36.2	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	THALLIUM	0.9	J	0.64	0.896	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	34		1.8	25	ug/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	ZINC	13.5		0.29	0.697	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	LEAD	6.7	J	0.32	0.358	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	VANADIUM	14.1		0.36	0.398	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	IRON	8210		4.21	4.22	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	COPPER	7.2		0.34	0.358	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	COBALT	1.8		0.26	0.319	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	CHROMIUM, TOTAL	8.2		0.14	0.219	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	CALCIUM	64.2	J	29	52	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	BORON	6.2		0.63	1.08	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	BERYLLIUM	0.15		0.0199	0.0199	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	BARIUM	9.1		0.816	0.816	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	CL200.7	ALUMINUM	8620		2.47	2.47	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	E350.2	NITROGEN, AMMONIA (AS N)	10.8	J	0.02	0.02	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	84.5		0.01	0.01	mg/Kg	
SS118B	AK694	HC118B1BAA	10/16/2000	LYDKHN	TOTAL ORGANIC CARBON	7370	J	0	0	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	VANADIUM	14.7		0.36	0.365	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	LYDKHN	TOTAL ORGANIC CARBON	7390	J	0	0	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	1.8	11	ug/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	ZINC	12.4		0.29	0.639	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	POTASSIUM	307		33.1	33.1	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	NICKEL	3.9		0.3	0.383	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	MOLYBDENUM	0.88	J	0.49	0.566	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	MANGANESE	32.5		0.073	0.073	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	MAGNESIUM	623		28.1	50.8	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	LEAD	7	J	0.32	0.328	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	IRON	8580		3.87	3.87	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	COBALT	1.6		0.26	0.292	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	CHROMIUM, TOTAL	9.3		0.14	0.201	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	CALCIUM	62.2	J	29	47.6	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	BORON	6.5		0.63	0.985	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	BERYLLIUM	0.13		0.0182	0.0182	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	BARIUM	9.3		0.748	0.748	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	E350.2	NITROGEN, AMMONIA (AS N)	23.8		0.02	0.02	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	ALUMINUM	9820		2.26	2.26	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CVOL	ACETONE	260	J	4.34	11	ug/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	40.7		0.01	0.01	mg/Kg	
SS118B	AK695	HC118B1CAA	10/16/2000	CL200.7	COPPER	7.3		0.328	0.328	mg/Kg	
SS118B	AK697	HD118B3AAA	10/16/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1900		29	120	ug/Kg	
SS118B	AK697	HD118B3AAA	10/16/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	2000		23	120	ug/Kg	
SS118B	AK701	HD118B3BAA	10/16/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	300		29	120	ug/Kg	
SS118B	AK701	HD118B3BAA	10/16/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM)	180		23	120	ug/Kg	
SS118B	AK705	HD118B3CAA	10/16/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160		29	120	ug/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	IRON	7230		3.71	3.71	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	BARIUM	7.8		0.718	0.718	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	15	J	1.8	15	ug/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CVOL	ACETONE	230	J	4.34	15	ug/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	ZINC	11.1		0.29	0.613	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	VANADIUM	12		0.35	0.35	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	POTASSIUM	218		31.8	31.8	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	NICKEL	3.4		0.3	0.368	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	MOLYBDENUM	0.62	J	0.49	0.543	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	MANGANESE	25.1		0.07	0.07	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	MAGNESIUM	521		28.1	48.7	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	LEAD	5.9	J	0.315	0.315	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114		0.01	0.01	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	BORON	5		0.63	0.945	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	COPPER	6.1		0.315	0.315	mg/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS118B	AK711	HC118B1CAD	10/16/2000	E350.2	NITROGEN, AMMONIA (AS N)	20.1		0.02	0.02	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	ALUMINUM	8310		2.17	2.17	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	BERYLLIUM	0.11		0.0175	0.0175	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	CALCIUM	50.1	J	29	45.7	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	CHROMIUM, TOTAL	7.8		0.14	0.193	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	CL200.7	COBALT	1.2		0.26	0.28	mg/Kg	
SS118B	AK711	HC118B1CAD	10/16/2000	LYDKHN	TOTAL ORGANIC CARBON	5160	J	0	0	mg/Kg	
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	NICKEL	4.6		0.14	3.6944	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW8270C	BENZOIC ACID	1800	J	407	1000	ug/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	ZINC	23.2		0.15	1.8472	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	VANADIUM	18.4		0.17	4.618	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	POTASSIUM	393	J	26.1	461.8	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	MOLYBDENUM	0.34	J	0.19	0.9236	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW7471A	MERCURY	0.025	J	0.021	0.0495	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	MANGANESE	50.4		0.065	1.3854	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	MAGNESIUM	802		10.6	461.8	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	LEAD	851		2.6	9.236	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	IRON	12800		4.3	18.472	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	ARSENIC	2.4		0.36	0.9236	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	SELENIUM	2.4	J	0.44	3.2326	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	COPPER	1310		1.8	23.09	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW9012A	CYANIDE	1.5		0.62	0.62	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	ALUMINUM	11100		3.7	18.472	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	BARIUM	12.4	J	0.39	18.472	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	BERYLLIUM	0.21	J	0.018	0.4618	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	BORON	1.3	J	0.25	9.236	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	CADMIUM	0.28	J	0.037	0.4618	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	CALCIUM	2540		11.2	461.8	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	CHROMIUM, TOTAL	11.2		0.1	0.9236	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (post)		11/21/2006	SW6010B	COBALT	1.9	J	0.13	4.618	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	NICKEL	4.5		0.14	3.8447	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	ALUMINUM	11200		3.9	19.2234	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	COBALT	2.1	J	0.13	4.8058	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW7471A	MERCURY	0.027	J	0.016	0.0392	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	MANGANESE	40.4		0.067	1.4418	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	MAGNESIUM	755		11.1	480.584	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	IRON	12200		4.5	19.2234	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	MOLYBDENUM	0.71	J	0.2	0.9612	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	CHROMIUM, TOTAL	11.1		0.11	0.9612	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	CALCIUM	104	J	11.7	480.584	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	BORON	3.1	J	0.26	9.6117	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	BERYLLIUM	0.2	J	0.019	0.4806	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	ARSENIC	2.8		0.37	0.9612	mg/Kg	K71

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	POTASSIUM	332	J	27.2	480.584	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	LEAD	9.1		0.29	0.9612	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	BARIUM	10.5	J	0.4	19.2234	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	VANADIUM	18.7		0.17	4.8058	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	ZINC	13		0.15	1.9223	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	COPPER	5.6		0.18	2.4029	mg/Kg	K71
SSJ1P31001	ECC110906J1P3101 (pre)		11/20/2006	SW6010B	SELENIUM	0.48	J	0.46	3.3641	mg/Kg	K71
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	MAGNESIUM	696		9.7	420.324	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	ZINC	18.7		0.13	1.6813	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	VANADIUM	14.7		0.15	4.2032	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	SELENIUM	0.85	J	0.4	2.9423	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	POTASSIUM	323	J	23.8	420.324	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	NICKEL	4.1		0.13	3.3626	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	MOLYBDENUM	0.32	J	0.18	0.8406	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	MANGANESE	36.9		0.059	1.261	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	LEAD	329		0.25	0.8406	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	BORON	2	J	0.23	8.4065	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	ALUMINUM	9080		3.4	16.8129	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	BARIUM	7.9	J	0.35	16.8129	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW7471A	MERCURY	0.017	J	0.017	0.0398	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	BERYLLIUM	0.18	J	0.017	0.4203	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	IRON	10000		3.9	16.8129	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	CALCIUM	399	J	10.2	420.324	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	CHROMIUM, TOTAL	9.5		0.092	0.8406	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	COBALT	1.7	J	0.12	4.2032	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (post)		11/21/2006	SW6010B	COPPER	387		1.7	21.0162	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	VANADIUM	12.2		0.16	4.35	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	LEAD	6.6		0.26	0.87	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	POTASSIUM	287	J	24.6	434.998	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	NICKEL	3.6		0.13	3.48	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	BERYLLIUM	0.16	J	0.017	0.435	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	MOLYBDENUM	0.29	J	0.18	0.87	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	MANGANESE	33.4		0.061	1.305	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	MAGNESIUM	669		10	434.998	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	ZINC	9.7		0.14	1.74	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	COPPER	3.7		0.17	2.175	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	COBALT	1.6	J	0.12	4.35	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	CHROMIUM, TOTAL	7.8		0.096	0.87	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	BORON	2.3	J	0.23	8.7	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	BARIUM	7	J	0.37	17.3999	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	ALUMINUM	7420		3.5	17.3999	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	IRON	8160		4.1	17.3999	mg/Kg	
SSJ1P31002	ECC110906J1P3102 (pre)		11/20/2006	SW6010B	CALCIUM	74.6	J	10.6	434.998	mg/Kg	

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NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW8270C	BENZOIC ACID	460	J	402	1000	ug/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	MANGANESE	55.3		0.046	1.3808	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW7471A	MERCURY	0.037	J	0.02	0.0486	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	MOLYBDENUM	1.1		0.27	0.9205	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	NICKEL	5.4		0.23	3.682	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	POTASSIUM	244	J	38.5	460.253	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	SILVER	0.19	J	0.13	0.9205	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	SODIUM	67.5	J	41.1	460.253	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	VANADIUM	15.6		0.25	4.6025	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW8270C	BENZALDEHYDE	620	NJ			ug/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW8270C	DIMETHYL PHTHALATE	380	J	105	400	ug/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	CALCIUM	705		14.1	460.253	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	MAGNESIUM	426	J	14.7	460.253	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	ZINC	36.3		0.27	1.841	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	ARSENIC	3.7		0.4	0.9205	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	LEAD	19.6		0.26	0.9205	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	ANTIMONY	1.1	UJ	1.1	5.523	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	BARIUM	16.2	J	0.59	18.4101	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	BERYLLIUM	0.17	J	0.0092	0.4603	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	BORON	1.4	J	0.5	9.2051	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	IRON	12200		2.1	18.4101	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW9012A	CYANIDE	0.99		0.41	0.41	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	CHROMIUM, TOTAL	11.9		0.064	0.9205	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	COBALT	1.1	J	0.29	4.6025	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	COPPER	829		1.8	23.0126	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	CADMIUM	4.5		0.046	0.4603	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (post)		10/18/2006	SW6010B	ALUMINUM	6970		2.2	18.4101	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	MANGANESE	34.2		0.038	1.1502	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	MOLYBDENUM	0.7	J	0.22	0.7668	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	NICKEL	4.4		0.19	3.0672	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	POTASSIUM	259	J	32.1	383.406	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	SILVER	0.2	J	0.11	0.7668	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	SODIUM	47.5	J	34.3	383.406	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	ZINC	29.6		0.22	1.5336	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	LEAD	12.1		0.21	0.7668	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	IRON	9830		1.8	15.3362	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	VANADIUM	14.5		0.21	3.8341	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	BERYLLIUM	0.14	J	0.0077	0.3834	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	MAGNESIUM	406		12.2	383.406	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	ALUMINUM	6700		1.8	15.3362	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	BARIUM	10.8	J	0.49	15.3362	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	BORON	1.4	J	0.41	7.6681	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	CADMIUM	4.5		0.038	0.3834	mg/Kg	K67

J - Estimated
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DL = Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	CALCIUM	249	J	11.7	383.406	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	CHROMIUM, TOTAL	9.2		0.054	0.7668	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	COBALT	0.84	J	0.25	3.8341	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	COPPER	102		0.15	1.917	mg/Kg	K67
SSJ1SPL001	ECC101106J1SPL01 (pre)		10/17/2006	SW6010B	ARSENIC	3.3		0.33	0.7668	mg/Kg	K67
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	27	J	14	38	ug/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	MOLYBDENUM	2.4		0.25	0.8738	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	NICKEL	4.8		0.22	3.4952	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	POTASSIUM	300	J	36.5	436.895	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	SILVER	0.15	J	0.12	0.8738	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	97		7.9	38	ug/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	SODIUM	52.5	J	39	436.895	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	VANADIUM	13.9		0.24	4.3689	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	ZINC	195		0.25	1.7476	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW8270C	ACETOPHENONE	190	NJ			ug/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW8270C	NAPHTHALENE	100	J	99.2	380	ug/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	CALCIUM	142	J	13.4	436.895	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	89		9.9	38	ug/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW7471A	MERCURY	0.022	J	0.016	0.0374	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW8270C	BENZOIC ACID	410	J	381	950	ug/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	ALUMINUM	9310		2.1	17.4758	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	COBALT	1.5	J	0.28	4.3689	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	MANGANESE	61.3		0.044	1.3107	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW9012A	CYANIDE	5.1		0.48	0.48	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	ARSENIC	3.3		0.38	0.8738	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	BARIUM	10	J	0.56	17.4758	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	BERYLLIUM	0.23	J	0.0087	0.4369	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	LEAD	9.6		0.24	0.8738	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	CADMIUM	3.9		0.044	0.4369	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	CHROMIUM, TOTAL	23.8		0.061	0.8738	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	COPPER	5400		17.5	218.448	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	IRON	10900		2	17.4758	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	BORON	1.7	J	0.47	8.7379	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (post)		10/18/2006	SW6010B	MAGNESIUM	693		13.9	436.895	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	ZINC	25.7		0.23	1.6121	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	VANADIUM	15.5		0.22	4.0301	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	POTASSIUM	350	J	33.7	403.015	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	NICKEL	3.9		0.2	3.2241	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	MOLYBDENUM	0.43	J	0.23	0.806	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	MAGNESIUM	854		12.9	403.015	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	MANGANESE	53.7		0.04	1.209	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	IRON	10300		1.9	16.1206	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	ARSENIC	3.4		0.35	0.806	mg/Kg	K66

J - Estimated
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW7471A	MERCURY	0.041		0.016	0.0384	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	COPPER	10.5		0.16	2.0151	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	COBALT	1.7	J	0.26	4.0301	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	CHROMIUM, TOTAL	9.6		0.056	0.806	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	CALCIUM	121	J	12.3	403.015	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	CADMIUM	0.74		0.04	0.403	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	BORON	1.5	J	0.44	8.0603	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	BARIUM	14.5	J	0.52	16.1206	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	ALUMINUM	8650		1.9	16.1206	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	LEAD	9.4		0.23	0.806	mg/Kg	K66
SSJ1SPL002	ECC101106J1SPL02 (pre)		10/17/2006	SW6010B	BERYLLIUM	0.23	J	0.0081	0.403	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	MAGNESIUM	705		13	407.1	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	NICKEL	3.9		0.2	3.2568	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW9012A	CYANIDE	1.2		0.52	0.52	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW8270C	NAPHTHALENE	140	J	96.6	370	ug/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW8270C	ACETOPHENONE	92	NJ			ug/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	ZINC	18.8		0.24	1.6284	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	VANADIUM	14		0.22	4.071	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	SILVER	0.14	J	0.11	0.8142	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	POTASSIUM	286	J	34	407.1	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	MOLYBDENUM	0.77	J	0.24	0.8142	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW7471A	MERCURY	0.031	J	0.018	0.0435	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	MANGANESE	50.9		0.041	1.2213	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	BERYLLIUM	0.2	J	0.0081	0.4071	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	ALUMINUM	8060		2	16.284	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	SELENIUM	1.2	J	0.37	2.8497	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	BARIUM	9.6	J	0.52	16.284	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	LEAD	109		0.23	0.8142	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	CADMIUM	2.8		0.041	0.4071	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	CALCIUM	169	J	12.5	407.1	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	CHROMIUM, TOTAL	8.6		0.057	0.8142	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	COBALT	1.2	J	0.26	4.071	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	COPPER	355		1.6	20.355	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	IRON	10600		1.9	16.284	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (post)		10/18/2006	SW6010B	ARSENIC	3.4		0.35	0.8142	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	IRON	9620		1.8	15.7993	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	MOLYBDENUM	0.52	J	0.23	0.79	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	ZINC	11.7		0.23	1.5799	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	VANADIUM	14.2		0.21	3.9498	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	NICKEL	3.1	J	0.2	3.1599	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW7471A	MERCURY	0.026	J	0.015	0.0358	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	MANGANESE	39.8		0.04	1.1849	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	MAGNESIUM	639		12.6	394.982	mg/Kg	K66

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UJ = Estimated Non Detect
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	LEAD	8.1		0.22	0.79	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	COBALT	1.2	J	0.25	3.9498	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	CHROMIUM, TOTAL	8.3		0.055	0.79	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	CALCIUM	92.4	J	12.1	394.982	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	BORON	1.3	J	0.43	7.8996	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	ALUMINUM	8590		1.9	15.7993	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	BERYLLIUM	0.18	J	0.0079	0.395	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	BARIUM	9	J	0.51	15.7993	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	ARSENIC	3.1		0.34	0.79	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	POTASSIUM	271	J	33	394.982	mg/Kg	K66
SSJ1SPL003	ECC101106J1SPL03 (pre)		10/17/2006	SW6010B	COPPER	7		0.16	1.9749	mg/Kg	K66
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	VANADIUM	25.2		0.15	4.2987	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	LEAD	13		0.24	0.8597	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	MANGANESE	52.6		0.06	1.2896	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW7471A	MERCURY	0.019	J	0.017	0.0416	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	MOLYBDENUM	0.37	J	0.18	0.8597	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	NICKEL	5.9		0.13	3.439	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	POTASSIUM	454		35.9	429.875	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	SELENIUM	1.7	J	0.41	3.0091	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	THALLIUM	0.81	J	0.52	2.1494	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	IRON	15700		4	17.195	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	ZINC	19.2		0.14	1.7195	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	SODIUM	92.1	J	38.4	429.875	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	BARIUM	13.6	J	0.36	17.195	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	MAGNESIUM	910		13.7	429.875	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	COPPER	475		1.7	21.4937	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	ARSENIC	4.2		0.37	0.8597	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW9012A	CYANIDE	4.9		0.57	0.57	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	BERYLLIUM	0.21	J	0.017	0.4299	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	BORON	1.2	J	0.46	8.5975	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	CADMIUM	31.2		0.034	0.4299	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	CALCIUM	203	J	10.5	429.875	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	CHROMIUM, TOTAL	17.8		0.095	0.8597	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	COBALT	2.2	J	0.12	4.2987	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (post)		10/27/2006	SW6010B	ALUMINUM	15000		2.1	17.195	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	NICKEL	5.2		0.23	3.6761	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	MAGNESIUM	775		14.7	459.517	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	MANGANESE	66.2	J	0.046	1.3785	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW7471A	MERCURY	0.03	J	0.017	0.0414	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	MOLYBDENUM	0.82	J	0.27	0.919	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	POTASSIUM	281	J	38.4	459.517	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	SILVER	0.17	J	0.13	0.919	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	ZINC	18	J	0.27	1.8381	mg/Kg	J68

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	VANADIUM	22.5		0.25	4.5952	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	LEAD	15.9		0.26	0.919	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	ALUMINUM	12600		2.2	18.3807	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	BERYLLIUM	0.29	J	0.0092	0.4595	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	ARSENIC	5.1		0.4	0.919	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	IRON	19100	J	2.1	18.3807	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	BARIUM	13.2	J	0.59	18.3807	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	BORON	1.2	J	0.5	9.1903	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	CADMIUM	3.7		0.046	0.4595	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	CALCIUM	101	J	14.1	459.517	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	CHROMIUM, TOTAL	13.7		0.064	0.919	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	COBALT	1.6	J	0.29	4.5952	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	COPPER	17.6	J	0.18	2.2976	mg/Kg	J68
SSJ1SPL004	ECC102406J1SPL01 (pre)		10/25/2006	SW6010B	ANTIMONY	1.6	J	1.1	5.5142	mg/Kg	J68
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	VANADIUM	20.5		0.23	0.23	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	MAGNESIUM	969		15.4	15.4	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	MANGANESE	103		0.052	0.052	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	MOLYBDENUM	0.93		0.16	0.16	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	NICKEL	5.7		0.21	0.21	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	POTASSIUM	543		40.2	40.2	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	SELENIUM	0.89		0.42	0.42	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	LEAD	14.5		0.17	0.17	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	SODIUM	120		48.2	48.2	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	CADMIUM	1.1		0.035	0.035	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	SILVER	0.2	J	0.17	0.17	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	IRON	11800		5.2	5.2	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	COPPER	337		0.19	0.19	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	COBALT	1.9		0.24	0.24	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	ZINC	460		1.6	1.6	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	CALCIUM	330		15.9	15.9	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	BORON	1.3		0.63	0.63	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	BERYLLIUM	0.41		0.026	0.026	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	BARIUM	20.3		0.47	0.47	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	ARSENIC	3.6		0.41	0.41	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	ANTIMONY	1.2	J	0.68	0.68	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	ALUMINUM	22100		10.2	10.2	mg/Kg	J66
SSRDST0015	#1TT08100601RDSCPRE		8/17/2006	SW6010B	CHROMIUM, TOTAL	27		0.11	0.11	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	CALCIUM	677		15.9	15.9	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	MAGNESIUM	652		15.3	15.3	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	88		7.9	38	ug/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	74		9.9	38	ug/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	21	J	14	38	ug/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	ZINC	516		1.6	1.6	mg/Kg	J66

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TABLE 4-3
J-1 Range Excavated Soil - Detected Sample Summary

Location	Sample_ID	SampleNum2	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	VANADIUM	18.3		0.23	0.23	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	SODIUM	100		48.1	48.1	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	SELENIUM	3.3		0.41	0.41	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	POTASSIUM	365		40.1	40.1	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	NICKEL	4.5		0.21	0.21	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	BERYLLIUM	0.38		0.026	0.026	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	MANGANESE	82.1		0.052	0.052	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	ALUMINUM	20000		10.2	10.2	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	LEAD	236		0.17	0.17	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	IRON	10900		5.2	5.2	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	COPPER	971		1.9	1.9	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	COBALT	1.3		0.24	0.24	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	CHROMIUM, TOTAL	28.8		0.11	0.11	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	CADMIUM	9.6		0.035	0.035	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	BARIUM	9.8		0.47	0.47	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	ARSENIC	3.5		0.41	0.41	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	ANTIMONY	0.93	J	0.67	0.67	mg/Kg	J66
SSRDST0015	#2TT08100601RDSCPOST		8/17/2006	SW6010B	MOLYBDENUM	1.1		0.16	0.16	mg/Kg	J66
SS02893-A	TT898		10/20/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	960		29	120	ug/Kg	J67
SS02893-A	TT898		10/20/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HM	2000		23	120	ug/Kg	J67

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
	ROWS 0 TO 6									
CP05A	B05ABA	3/9/1998	CL200.7	BARIUM	13.5		0.59	0.59	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	BERYLLIUM	0.33		0.05	0.05	mg/Kg	J2
CP05A	B05ABA	3/9/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	106		106	106	mg/Kg	J2
CP05A	B05ABA	3/9/1998	E350.2	NITROGEN, AMMONIA (AS N)	15	J	15	15	mg/Kg	J2
CP05A	B05ABA	3/9/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	ALUMINUM	10500		39.1	39.1	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	NICKEL	7.1		1.27	1.27	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	ARSENIC	5.7		0.33	0.33	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	ZINC	20.3		1.67	1.67	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	POTASSIUM	689		53.1	53.1	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	MOLYBDENUM	0.42		0.39	0.39	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	MANGANESE	92.3		1.56	1.56	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	MAGNESIUM	2030		18.8	18.8	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	IRON	14300		127	127	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	COPPER	7		0.17	0.17	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	COBALT	4.8		0.33	0.33	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	CHROMIUM, TOTAL	13.8		0.21	0.21	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	LEAD	6.6		3.86	3.86	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	VANADIUM	18.8		0.75	0.75	mg/Kg	J2
CP05A	B05ABA	3/9/1998	CL200.7	CALCIUM	154		56.1	56.1	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	ZINC	23.1		1.67	1.67	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	LEAD	7		3.86	3.86	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	MAGNESIUM	2240		18.8	18.8	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	MANGANESE	95		1.56	1.56	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	NICKEL	8		1.27	1.27	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	VANADIUM	21.2		0.75	0.75	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	IRON	15500		127	127	mg/Kg	J2
CP05A	B05ABD	3/9/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.03	0.03	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	POTASSIUM	653		57	57	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	COPPER	6.6		0.17	0.17	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	COBALT	5.4		0.33	0.33	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	CHROMIUM, TOTAL	15.2		0.21	0.21	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	CALCIUM	142		56.1	56.1	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	BERYLLIUM	0.35		0.05	0.05	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	ARSENIC	5.6		0.33	0.33	mg/Kg	J2
CP05A	B05ABD	3/9/1998	E350.2	NITROGEN, AMMONIA (AS N)	8.2	J	8.2	8.2	mg/Kg	J2
CP05A	B05ABD	3/9/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	82		82	82	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	BARIUM	16		0.59	0.59	mg/Kg	J2
CP05A	B05ABD	3/9/1998	CL200.7	ALUMINUM	12100		39.1	39.1	mg/Kg	J2

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05B	B05BAA	1/15/1998	CL200.7	ARSENIC	3.6		0.697	0.697	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	NICKEL	5.6		0.407	0.407	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	MOLYBDENUM	0.46	J	0.291	0.291	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	MANGANESE	75	J	0.0581	0.0581	mg/Kg	I6
CP05B	B05BAA	1/15/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	128	J	128	128	mg/Kg	I6
CP05B	B05BAA	1/15/1998	E350.2	NITROGEN, AMMONIA (AS N)	7.4		7.4	7.4	mg/Kg	I6
CP05B	B05BAA	1/15/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.06	J	0.06	0.06	mg/Kg	I6
CP05B	B05BAA	1/15/1998	SW8151A	MCPA	6400	J	6400	6400	ug/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	MAGNESIUM	1410		24.5	24.5	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	ALUMINUM	7680	J	2.38	2.38	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	ZINC	17.1		0.601	0.601	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	BARIUM	11.5		0.814	0.814	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	BERYLLIUM	0.21		0.0194	0.0194	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	CALCIUM	112		20.4	20.4	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	CHROMIUM, TOTAL	9.2		0.213	0.213	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	COBALT	3.5		0.329	0.329	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	COPPER	6.3		0.446	0.446	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	IRON	9130		4.96	4.96	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	LEAD	11.9	J	0.349	0.349	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL245.5	MERCURY	0.11	J	0.107	0.107	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CVOL	ACETONE	9	J	9	9	ug/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	VANADIUM	14.8		0.31	0.31	mg/Kg	I6
CP05B	B05BAA	1/15/1998	CL200.7	POTASSIUM	383		42.5	42.5	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	CHROMIUM, TOTAL	10.8		0.21	0.21	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	POTASSIUM	476		47.3	47.3	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	VANADIUM	15.6		0.75	0.75	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	ZINC	15.9		1.67	1.67	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	NICKEL	5.8		1.27	1.27	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	MANGANESE	79		1.56	1.56	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	MAGNESIUM	1340		18.8	18.8	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	LEAD	11.4		3.86	3.86	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	IRON	9350		127	127	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	COBALT	3.5		0.33	0.33	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	CALCIUM	139		56.1	56.1	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	BERYLLIUM	0.21	J	0.05	0.05	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	BARIUM	13.2		0.59	0.59	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	ARSENIC	2.4		0.33	0.33	mg/Kg	I6
CP05B	B05BBA	3/10/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.03	0.03	mg/Kg	I6
CP05B	B05BBA	3/10/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	89.2		89.2	89.2	mg/Kg	I6
CP05B	B05BBA	3/10/1998	E350.2	NITROGEN, AMMONIA (AS N)	10.7	J	10.7	10.7	mg/Kg	I6
CP05B	B05BBA	3/10/1998	CL200.7	COPPER	6		0.17	0.17	mg/Kg	I6

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05B	B05BBA	3/10/1998	CL200.7	ALUMINUM	8570		39.1	39.1	mg/Kg	I6
CP05C	AD850	10/14/1999	CL200.7	CALCIUM	76.7	J	29	43	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	NICKEL	5		0.3	0.488	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	MAGNESIUM	909		28.1	37.4	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	IRON	9850		4.21	9.52	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	COPPER	10.3		0.34	1.15	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	MOLYBDENUM	1.1		0.244	0.244	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	CHROMIUM, TOTAL	7.6		0.14	0.582	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	MANGANESE	75.1		0.08	0.169	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	BERYLLIUM	0.13		0.03	0.0564	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	BARIUM	9.5		1.18	1.47	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	ALUMINUM	5500		2.5	7.34	mg/Kg	I5
CP05C	AD850	10/14/1999	E353.2	NITROGEN, NITRATE-NITRITE	1.4		0.01	0.01	mg/Kg	I5
CP05C	AD850	10/14/1999	E350.2	NITROGEN, AMMONIA (AS N)	18.6	J	0.02	0.02	mg/Kg	I5
CP05C	AD850	10/14/1999	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	74.3		0.01	0.01	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	COBALT	2.4		0.26	0.47	mg/Kg	I5
CP05C	AD850	10/14/1999	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	42	J	42	360	ug/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	POTASSIUM	387		47.2	111	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	SILVER	0.46	J	0.17	0.658	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	VANADIUM	9.4		0.36	1.09	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	LEAD	11.9		0.207	0.207	mg/Kg	I5
CP05C	AD850	10/14/1999	CL200.7	ZINC	72.6		0.29	0.413	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	IRON	5240		4.21	8.75	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	MAGNESIUM	416		28.1	37.2	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	MANGANESE	54.9		0.08	0.168	mg/Kg	I5
CP05C	AD851	10/14/1999	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	340	ug/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	ZINC	40.5		0.29	0.412	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	MOLYBDENUM	0.86		0.243	0.243	mg/Kg	I5
CP05C	AD851	10/14/1999	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	66.2		0.01	0.01	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	COPPER	4.5		0.34	1.14	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	POTASSIUM	253		47.2	111	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	LEAD	4.5		0.191	0.191	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	VANADIUM	3.7		0.36	1.09	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	CHROMIUM, TOTAL	5.1		0.14	0.58	mg/Kg	I5
CP05C	AD851	10/14/1999	E350.2	NITROGEN, AMMONIA (AS N)	5.3	J	0.02	0.02	mg/Kg	I5
CP05C	AD851	10/14/1999	E353.2	NITROGEN, NITRATE-NITRITE	0.38		0.01	0.01	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	ALUMINUM	2160		2.5	7.32	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	BARIUM	5.2		1.18	1.46	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	BERYLLIUM	0.07	J	0.03	0.0561	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	CADMIUM	0.15	J	0.07	0.112	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	CALCIUM	61.7	J	29	42.8	mg/Kg	I5

J - Estimated
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05C	AD851	10/14/1999	CL200.7	COBALT	1.4		0.26	0.468	mg/Kg	I5
CP05C	AD851	10/14/1999	CL200.7	NICKEL	2.3		0.3	0.487	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	LEAD	2.6		0.202	0.202	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	BARIUM	4.3		1.18	1.44	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	BERYLLIUM	0.06	J	0.03	0.0556	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	CALCIUM	79	J	29	42.4	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	CHROMIUM, TOTAL	3.3		0.14	0.574	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	COBALT	1.1		0.26	0.463	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	IRON	2970		4.21	9.25	mg/Kg	I5
CP05C	AD852	10/14/1999	E350.2	NITROGEN, AMMONIA (AS N)	3.6	J	0.02	0.02	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	MAGNESIUM	492		28.1	36.9	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	COPPER	2.6		0.34	1.13	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	ALUMINUM	1320		2.5	7.24	mg/Kg	I5
CP05C	AD852	10/14/1999	E353.2	NITROGEN, NITRATE-NITRITE	0.18		0.01	0.01	mg/Kg	I5
CP05C	AD852	10/14/1999	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	44.1		0.01	0.01	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	ZINC	9.1		0.29	0.412	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	VANADIUM	3		0.36	3	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	POTASSIUM	266		47.2	110	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	NICKEL	2.1		0.3	0.482	mg/Kg	I5
CP05C	AD852	10/14/1999	CL200.7	MANGANESE	44.4		0.08	0.167	mg/Kg	I5
CP05C	AD852	10/14/1999	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	35	J	35	340	ug/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	MAGNESIUM	1170		25.8	25.8	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	COPPER	5.3		0.468	0.468	mg/Kg	I5
CP05C	B05CAA	1/15/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	111	J	111	111	mg/Kg	I5
CP05C	B05CAA	1/15/1998	E350.2	NITROGEN, AMMONIA (AS N)	3.6	J	3.6	3.6	mg/Kg	I5
CP05C	B05CAA	1/15/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.06	J	0.06	0.06	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL245.5	MERCURY	0.08	J	0.08	0.109	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	ALUMINUM	6490	J	2.5	2.5	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	ARSENIC	2.6		0.733	0.733	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	BARIUM	12.1		0.855	0.855	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	BERYLLIUM	0.24		0.0204	0.0204	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	CALCIUM	258		21.4	21.4	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	MOLYBDENUM	0.48	J	0.305	0.305	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	COBALT	3.3		0.346	0.346	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CVOL	ACETONE	15	J	15	15	ug/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	IRON	8780		5.21	5.21	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	LEAD	7.9	J	0.367	0.367	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	MANGANESE	75.8	J	0.0611	0.0611	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	NICKEL	5.9		0.428	0.428	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	POTASSIUM	386		44.7	44.7	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	VANADIUM	13.7		0.326	0.326	mg/Kg	I5

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-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05C	B05CAA	1/15/1998	CL200.7	ZINC	15.7		0.631	0.631	mg/Kg	I5
CP05C	B05CAA	1/15/1998	CL200.7	CHROMIUM, TOTAL	8.7		0.224	0.224	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	MANGANESE	72.6		1.56	1.56	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	ZINC	14.6		1.67	1.67	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	BARIUM	11.4		0.59	0.59	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	VANADIUM	15.2		0.75	0.75	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	NICKEL	5.1		1.27	1.27	mg/Kg	I5
CP05C	B05CBA	3/9/1998	E350.2	NITROGEN, AMMONIA (AS N)	13.6	J	13.6	13.6	mg/Kg	I5
CP05C	B05CBA	3/9/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.02	0.02	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	ARSENIC	4.1		0.33	0.33	mg/Kg	I5
CP05C	B05CBA	3/9/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	94.6		94.6	94.6	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	BERYLLIUM	0.19	J	0.05	0.05	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	CALCIUM	145		56.1	56.1	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	MOLYBDENUM	0.93		0.39	0.39	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	COBALT	2.8		0.33	0.33	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	COPPER	4.8		0.17	0.17	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	IRON	9740		127	127	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	LEAD	6.8		3.86	3.86	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	MAGNESIUM	1160		18.8	18.8	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	CHROMIUM, TOTAL	9.9		0.21	0.21	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	ALUMINUM	7980		39.1	39.1	mg/Kg	I5
CP05C	B05CBA	3/9/1998	CL200.7	POTASSIUM	348		50.3	50.3	mg/Kg	I5
CP05F	B05FAA	1/14/1998	CL200.7	CHROMIUM, TOTAL	8.6		0.223	0.223	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	CALCIUM	155	J	21.3	21.3	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	BERYLLIUM	0.17		0.0203	0.0203	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	BARIUM	8.9		0.852	0.852	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	ARSENIC	3.3		0.73	0.73	mg/Kg	K1
CP05F	B05FAA	1/14/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.03	0.03	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	COBALT	2.9		0.345	0.345	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	ALUMINUM	7810	J	2.49	2.49	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	COPPER	6.8		0.466	0.466	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	IRON	9150		5.19	5.19	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	LEAD	7	J	0.365	0.365	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	MAGNESIUM	888		25.7	25.7	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	MANGANESE	130	J	0.0608	0.0608	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	MOLYBDENUM	0.59	J	0.304	0.304	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	NICKEL	4.3		0.426	0.426	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	VANADIUM	14.3		0.324	0.324	mg/Kg	K1
CP05F	B05FAA	1/14/1998	E350.2	NITROGEN, AMMONIA (AS N)	6.4	J	6.4	6.4	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	ZINC	22.5		0.629	0.629	mg/Kg	K1
CP05F	B05FAA	1/14/1998	CL200.7	POTASSIUM	302		44.5	44.5	mg/Kg	K1

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05F	B05FAA	1/14/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93.5	J	93.5	93.5	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	ARSENIC	4.8		0.33	0.33	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	MANGANESE	110	J	1.56	1.56	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	MAGNESIUM	1840		18.8	18.8	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	LEAD	6.2		3.86	3.86	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	IRON	11700		127	127	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	COPPER	6.3		0.17	0.17	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	COBALT	6		0.33	0.33	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	CHROMIUM, TOTAL	12.3		0.21	0.21	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	CALCIUM	74.8		56.1	56.1	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	BORON	2.2		0.354	0.354	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	NICKEL	8.4		1.27	1.27	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	BARIUM	14.7		0.59	0.59	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	ALUMINUM	9930		39.1	39.1	mg/Kg	K1
CP05F	B05FBA	3/18/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	K1
CP05F	B05FBA	3/18/1998	E350.2	NITROGEN, AMMONIA (AS N)	3.6	J	3.6	3.6	mg/Kg	K1
CP05F	B05FBA	3/18/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	111	J	111	111	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	ZINC	23.2	J	1.67	1.67	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	VANADIUM	17		0.75	0.75	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	POTASSIUM	544		28.3	28.3	mg/Kg	K1
CP05F	B05FBA	3/18/1998	CL200.7	BERYLLIUM	0.33		0.05	0.05	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	ARSENIC	1.7		0.62	0.62	mg/Kg	K1
CP05P	B05PAA	1/14/1998	E350.2	NITROGEN, AMMONIA (AS N)	5.5	J	5.5	5.5	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	IRON	5390		4.41	4.41	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CPEST	P,P'-DDE	3.7		3.7	3.7	ug/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	ZINC	14.9		0.534	0.534	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	VANADIUM	8.8		0.276	0.276	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	POTASSIUM	242		37.8	37.8	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	NICKEL	3.7		0.362	0.362	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	MOLYBDENUM	0.4	J	0.259	0.259	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	MANGANESE	84.2	J	0.0517	0.0517	mg/Kg	K1
CP05P	B05PAA	1/14/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.05	J	0.05	0.05	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	LEAD	7.6	J	0.31	0.31	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	ALUMINUM	3650	J	2.12	2.12	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	COPPER	8.8		0.396	0.396	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	COBALT	2.1		0.293	0.293	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	CHROMIUM, TOTAL	5.2		0.19	0.19	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	CALCIUM	141		18.1	18.1	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	BERYLLIUM	0.13		0.0172	0.0172	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CL200.7	BARIUM	7.4		0.724	0.724	mg/Kg	K1
CP05P	B05PAA	1/14/1998	CPEST	P,P'-DDT	2.1	J	2.1	2.1	ug/Kg	K1

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05P	B05PAA	1/14/1998	CL200.7	MAGNESIUM	752		21.8	21.8	mg/Kg	K1
CP05P	B05PAA	1/14/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.2	J	80.2	80.2	mg/Kg	K1
CP05P	B05PBA	3/18/1998	E350.2	NITROGEN, AMMONIA (AS N)	9.5	J	9.5	9.5	mg/Kg	K1
CP05P	B05PBA	3/18/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	249	J	249	249	mg/Kg	K1
CP05P	B05PBA	3/18/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.18	J	0.18	0.18	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	ALUMINUM	14600		39.1	39.1	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	ARSENIC	3.9		0.33	0.33	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	BARIUM	11.9		0.59	0.59	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	BERYLLIUM	0.27		0.05	0.05	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	BORON	0.77	J	0.415	0.415	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	CALCIUM	174		56.1	56.1	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	CHROMIUM, TOTAL	16		0.21	0.21	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	ZINC	16.7	J	1.67	1.67	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	COPPER	3.5		0.17	0.17	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	IRON	13500		127	127	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	LEAD	7.8		3.86	3.86	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	MAGNESIUM	1380		18.8	18.8	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	MANGANESE	62.7	J	1.56	1.56	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	NICKEL	6.9		1.27	1.27	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	POTASSIUM	414		33.3	33.3	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	VANADIUM	21.2		0.75	0.75	mg/Kg	K1
CP05P	B05PBA	3/18/1998	CL200.7	COBALT	3.5		0.33	0.33	mg/Kg	K1
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	IRON	9310		4.59	13.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	ALUMINUM	7760		2.02	26.9	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	ARSENIC	2.3		0.51	1.35	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	BARIUM	8.8	J	0.04	26.9	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	BERYLLIUM	0.36	J	0.01	0.67	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	CADMIUM	0.06	J	0.05	0.67	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	CALCIUM	187	J	1.41	673	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	7.5		0.15	1.35	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_390_VOA	ACETONE	11.6		0.869	8.69	ug/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	COPPER	4.6		0.16	3.36	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.46	UJ	0.15	0.67	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	MAGNESIUM	2200		1.66	673	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	MANGANESE	168		0.04	2.02	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	NICKEL	5.7		0.16	5.38	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	SODIUM	41.7	J	40.8	673	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	VANADIUM	11.8		0.12	6.73	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	ZINC	22.1		0.08	2.69	mg/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	28.7	J	20.6	404	ug/Kg	L2
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	COBALT	5.4	J	0.13	6.73	mg/Kg	L2

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PR01.1.0	3/16/2002	CLP_ILM04.1	POTASSIUM	725		2.57	673	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	IRON	9980		4.34	12.7	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.0HG	MERCURY	0.02	J	0.02	0.03	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	ARSENIC	2.9		0.48	1.27	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	BERYLLIUM	0.27	J	0.01	0.64	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	CADMIUM	0.14	J	0.05	0.64	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	CALCIUM	142	J	1.34	636	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	10.4		0.14	1.27	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_390_VOA	ACETONE	18.7		1.77	17.7	ug/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	COPPER	6.4		0.15	3.18	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	ALUMINUM	8690		1.91	25.4	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	MAGNESIUM	1260		1.56	636	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	MANGANESE	92.7		0.04	1.91	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.51	UJ	0.14	0.64	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	NICKEL	6		0.15	5.09	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	POTASSIUM	377	J	2.43	636	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	VANADIUM	14.8		0.11	6.36	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	ZINC	15.5		0.08	2.54	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	61.4	J	19.5	382	ug/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	COBALT	2.7	J	0.13	6.36	mg/Kg	L2
J1 Polygon	J1.A.T1.PR02.1.0	3/16/2002	CLP_ILM04.1	BARIUM	10.3	J	0.04	25.4	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	14.8		0.21	1.89	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	BERYLLIUM	0.4	J	0.02	0.95	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	SODIUM	67.5	J	57.4	947	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	POTASSIUM	479	J	3.62	947	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	NICKEL	7.8		0.23	7.57	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.68	UJ	0.21	0.95	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	MANGANESE	110		0.06	2.84	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	MAGNESIUM	1530		2.33	947	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	IRON	14000		6.46	18.9	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	COPPER	6.8		0.23	4.73	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	ZINC	22.5		0.11	3.79	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	SW8270C	DI-N-BUTYL PHTHALATE	112	J	50.5	401	ug/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	28.5	J	20.4	401	ug/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	CALCIUM	148	J	1.99	947	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	CADMIUM	0.19	J	0.08	0.95	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	BORON	2.6	UJ	0.23	2.84	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_390_VOA	ACETONE	32.4		1.36	13.6	ug/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.0HG	MERCURY	0.02	J	0.02	0.04	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	ALUMINUM	11600		2.84	37.9	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	ARSENIC	4		0.72	1.89	mg/Kg	L2

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	BARIUM	13.2	J	0.06	37.9	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	COBALT	3.3	J	0.19	9.47	mg/Kg	L2
J1 Polygon	J1.A.T1.PR03.1.0	3/16/2002	CLP_ILM04.1	VANADIUM	20.6		0.17	9.47	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	NICKEL	8.1		0.17	5.64	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	BARIUM	20	J	0.04	28.2	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	BERYLLIUM	0.47	J	0.01	0.71	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	CADMIUM	0.12	J	0.06	0.71	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	CALCIUM	188	J	1.48	705	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	16.4		0.16	1.41	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	COBALT	4.3	J	0.14	7.05	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	COPPER	6		0.17	3.53	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	IRON	15400		4.81	14.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	MAGNESIUM	2040		1.73	705	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.67	UJ	0.16	0.71	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	POTASSIUM	672	J	2.69	705	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	ARSENIC	4.8		0.54	1.41	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	SELENIUM	0.47	UJ	0.45	0.71	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	SODIUM	63.1	J	42.7	705	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	VANADIUM	24.2		0.13	7.05	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	ZINC	22.5		0.08	2.82	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	91.3	J	21	411	ug/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_390_VOA	ACETONE	34.8		1.01	10.1	ug/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.0HG	MERCURY	0.03	J	0.02	0.04	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	ALUMINUM	13600		2.12	28.2	mg/Kg	L2
J1 Polygon	J1.A.T1.PR04.1.0	3/16/2002	CLP_ILM04.1	MANGANESE	121		0.04	2.12	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.62	UJ	0.16	0.74	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	COPPER	5.2		0.18	3.69	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_390_VOA	ACETONE	39		1.38	13.8	ug/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.0HG	MERCURY	0.02	J	0.02	0.03	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	ALUMINUM	12100		2.21	29.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	ARSENIC	3.7		0.56	1.47	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	BARIUM	16.8	J	0.04	29.5	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	BERYLLIUM	0.32	J	0.01	0.74	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	CADMIUM	0.08	J	0.06	0.74	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	CALCIUM	246	J	1.55	737	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	POTASSIUM	612	J	2.82	737	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	COBALT	2.8	J	0.15	7.37	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	SW8330_MMR	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	145	J	2.2	100	ug/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	IRON	12800		5.03	14.8	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	MAGNESIUM	1820		1.81	737	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	MANGANESE	83.5		0.04	2.21	mg/Kg	L2

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	NICKEL	7.3		0.18	5.9	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	SODIUM	59.3	J	44.7	737	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	VANADIUM	21.1		0.13	7.37	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	ZINC	17.3		0.09	2.95	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	31.8	J	21.1	413	ug/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.0	3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	16.1		0.16	1.47	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	BERYLLIUM	0.32	J	0.02	0.95	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	CALCIUM	195	J	2	953	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_390_VOA	ACETONE	30.6		1.23	12.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_390_VOA	TETRACHLOROETHENE(PCE)	1.97	J	1.23	12.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_390_VOA	TOLUENE	2.41	J	1.23	12.3	ug/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.0HG	MERCURY	0.02	J	0.02	0.04	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	ALUMINUM	12000		2.86	38.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	ARSENIC	3.6		0.72	1.91	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	BARIUM	16.2	J	0.06	38.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	CADMIUM	0.09	J	0.08	0.95	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	BORON	2.7	UJ	0.23	2.86	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	37.2	J	20.4	400	ug/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	CHROMIUM, TOTAL	15.4		0.21	1.91	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	POTASSIUM	556	J	3.64	953	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	ZINC	16.4		0.11	3.81	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	SODIUM	80.2	J	57.8	953	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	COBALT	2.6	J	0.19	9.53	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	NICKEL	7.1	J	0.23	7.63	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	MOLYBDENUM	0.62	UJ	0.21	0.95	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	MANGANESE	78.5		0.06	2.86	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	MAGNESIUM	1600		2.34	953	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	IRON	12800		6.5	19.1	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	COPPER	5.2		0.23	4.77	mg/Kg	L2
J1 Polygon	J1.A.T1.PR05.1.D	3/16/2002	CLP_ILM04.1	VANADIUM	21.3		0.17	9.53	mg/Kg	L2
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	1,2,3,7,8-PECDF	0.196	J		0.226	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	22.4	J	18.1	355	ug/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	1,2,3,4,6,7,8-HPCDD	73.7			0.87944	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	1,2,3,4,6,7,8-HPCDF	2.52			0.48141	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	1,2,3,4,7,8-HXCDD	1.25	J		0.79422	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	1,2,3,6,7,8-HXCDD	2.73			0.6993	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	MOLYBDENUM	0.36	J	0.16	0.71	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	CADMIUM	1.1		0.06	0.71	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	CALCIUM	107	J	1.49	710	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	CHROMIUM, TOTAL	5.9		0.16	1.42	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	COBALT	1.8	J	0.14	7.1	mg/Kg	L1

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Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	COPPER	43		0.17	3.55	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	IRON	5960		4.85	14.2	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	BORON	5.7		0.17	2.13	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	MANGANESE	128		0.04	2.13	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	VANADIUM	8		0.13	7.1	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	POTASSIUM	262	J	2.71	710	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	SELENIUM	0.51	J	0.45	0.71	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	SODIUM	66.8	J	43.1	710	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	ZINC	72.8		0.09	2.84	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	1,2,3,7,8-PECDD	0.63	J		0.354	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	1,2,3,7,8,9-HXCDD	2.18			0.71535	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	MAGNESIUM	629	J	1.75	710	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	TOTAL PECDDS	6.41			0.35441	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	BERYLLIUM	0.19	J	0.01	0.71	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	OCDF	5.08			0.98805	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	TOTAL HPCDDS	140			0.87944	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	TOTAL HPCDFS	7.31			0.54457	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	TOTAL HXCDFS	1.39			0.47472	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	TOTAL PECDFS	1.25			0.22759	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	TOTAL TCDDS	0.971			0.60857	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1HG	MERCURY	0.03	J	0.02	0.03	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	OCDD	1600			1.51942	PG/G	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	ALUMINUM	4790		2.13	28.4	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	CLP_ILM04.1	BARIUM	9	J	0.04	28.4	mg/Kg	L1
J1 Polygon	J1.F.T1.001.1.0	2/13/2002	SW8290	TOTAL HXCDDS	31.2			0.73389	PG/G	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	POTASSIUM	123	J	3.14	823	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	SW8290	TOTAL HPCDDS	0.319			0.20316	PG/G	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	MOLYBDENUM	0.28	J	0.18	0.82	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	SW8290	1,2,3,4,6,7,8-HPCDD	0.319			0.20316	PG/G	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	BERYLLIUM	0.12	J	0.02	0.82	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	50.8	J	17.5	343	ug/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	CHROMIUM, TOTAL	1.8		0.18	1.65	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	VANADIUM	5.1	J	0.15	8.23	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	BARIUM	2.1	J	0.05	32.9	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	MAGNESIUM	207	J	2.02	823	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	IRON	3020		5.61	16.5	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	COPPER	2	J	0.2	4.12	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	COBALT	0.64	J	0.16	8.23	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	ALUMINUM	925		2.47	32.9	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	ZINC	3.9		0.1	3.29	mg/Kg	L1
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	MANGANESE	31.7		0.05	2.47	mg/Kg	L1

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ug/Kg = microgram per Kilogram
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Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.F.T1.001.2.0	2/13/2002	CLP_ILM04.1	CALCIUM	28.2	J	1.73	823	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	COBALT	2	J	0.15	7.59	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	COPPER	73.7		0.18	3.79	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	IRON	5540		5.17	15.2	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	CHROMIUM, TOTAL	5.4		0.17	1.52	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	MANGANESE	81.9		0.05	2.28	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	ALUMINUM	4820		2.28	30.3	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	MOLYBDENUM	0.35	J	0.17	0.76	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	NICKEL	4.3	J	0.18	6.07	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	MAGNESIUM	776		1.87	759	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	CALCIUM	145	J	1.59	759	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	CADMIUM	1.2		0.06	0.76	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	BORON	9		0.18	2.28	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	BARIUM	8.3	J	0.05	30.3	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_390_VOA	TRICHLOROETHENE(TCE)	1.55	J	1.31	13.1	ug/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_390_VOA	BROMOFORM	14		1.31	13.1	ug/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	Total PeCDFs	3.98			0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	POTASSIUM	289	J	2.9	759	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	BERYLLIUM	0.2	J	0.02	0.76	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	Total HxCDFs	2.78			0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	Total HxCDDs	14.6			0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	Total TCDDs	2.07			0.202	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	SODIUM	61.7	J	46	759	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	Total HpCDFs	3.25			0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	Total HpCDDs	48.6			0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	OCDD	1120		0.84173	0.39452	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	2,3,7,8-TCDF	0.59		0.0739	0.05839	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	2,3,4,6,7,8-HxCDF	0.19726		0.35008	0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	ZINC	66.5		0.09	3.03	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	Total TCDFs	6.83			0.05839	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	1,2,3,7,8,9-HxCDD	1.2	J	0.47787	0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	CLP_ILM05.0	VANADIUM	8.5		0.14	7.59	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	1,2,3,4,6,7,8-HpCDD	26.5		0.33817	0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	1,2,3,4,6,7,8-HpCDF	1.58	J	0.158	0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	1,2,3,4,7,8,9-HpCDF	0.144	J	0.24936	0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	1,2,3,4,7,8-HxCDD	0.461	J	0.24411	0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	1,2,3,6,7,8-HxCDD	1.5	J	0.19629	0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.1.0	2/27/2002	SW8290	1,2,3,6,7,8-HxCDF	0.19726		0.2284	0.19726	PG/G	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	BARIUM	2.3	J	0.05	35.3	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	MANGANESE	32.5		0.05	2.65	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	ZINC	5.1		0.11	3.53	mg/Kg	L1

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	VANADIUM	3.5	J	0.16	8.83	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	POTASSIUM	107	J	3.37	883	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	SW8290	Total HpCDDs	0.556			0.20577	PG/G	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	MAGNESIUM	216	J	2.17	883	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	IRON	2310		6.02	17.7	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	COPPER	1.8	J	0.21	4.41	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	COBALT	0.69	J	0.18	8.83	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	BERYLLIUM	0.11	J	0.02	0.88	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	ALUMINUM	1010		2.65	35.3	mg/Kg	L1
J1 Polygon	J1.F.T1.BP1.2.0	2/27/2002	CLP_ILM05.0	CHROMIUM, TOTAL	1.6	J	0.19	1.77	mg/Kg	L1
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	POTASSIUM	489	J	3.35	878	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	VANADIUM	17		0.16	8.78	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	NICKEL	6.6	J	0.21	7.02	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	MOLYBDENUM	0.59	J	0.19	0.88	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	MANGANESE	99.4		0.05	2.63	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	MAGNESIUM	1410		2.16	878	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	IRON	10600		5.99	17.6	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	COPPER	17.1	J	0.21	4.39	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	COBALT	3	J	0.18	8.78	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	CHROMIUM, TOTAL	11.5		0.19	1.76	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_390_VOA	ACETONE	20.9		0.847	8.47	ug/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	CADMIUM	0.2	J	0.07	0.88	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	BORON	2.1	J	0.21	2.63	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	BERYLLIUM	0.35	J	0.02	0.88	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	BARIUM	14.3	J	0.05	35.1	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	ARSENIC	2.5	J	0.67	1.76	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	ALUMINUM	9600		2.63	35.1	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM04.0HG	MERCURY	0.02	J	0.01	0.03	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_390_VOA	BROMOFORM	19.8		0.847	8.47	ug/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	ZINC	17.8		0.11	3.51	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.0	2/25/2002	CLP_ILM05.0	CALCIUM	150	J	1.84	878	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	COPPER	5.5	J	0.2	4.12	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	IRON	9600		5.62	16.5	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	MAGNESIUM	1260		2.03	825	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	MANGANESE	101		0.05	2.47	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	MOLYBDENUM	0.49	J	0.18	0.82	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	COBALT	2.9	J	0.16	8.25	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	POTASSIUM	445	J	3.15	825	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	ALUMINUM	8190		2.47	33	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	NICKEL	5.9	J	0.2	6.6	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	CHROMIUM, TOTAL	10.2		0.18	1.65	mg/Kg	K3

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	CALCIUM	106	J	1.73	825	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	CADMIUM	0.21	J	0.07	0.82	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	BERYLLIUM	0.32	J	0.02	0.82	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	ARSENIC	2.8	J	0.63	1.65	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM04.0HG	MERCURY	0.03	J	0.02	0.03	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_390_VOA	ACETONE	25.8		1.22	12.2	ug/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	ZINC	15.6		0.1	3.3	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	79.1	J	19.5	382	ug/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	BARIUM	12.3	J	0.05	33	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.1.D	2/25/2002	CLP_ILM05.0	VANADIUM	15.2		0.15	8.25	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	COBALT	1.1	J	0.14	6.93	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	VANADIUM	9.7		0.12	6.93	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	SODIUM	46.3	J	42	693	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	POTASSIUM	179	J	2.65	693	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	NICKEL	1.6	J	0.17	5.54	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	MOLYBDENUM	0.25	J	0.15	0.69	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	MANGANESE	35.5		0.04	2.08	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	MAGNESIUM	265	J	1.7	693	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	ZINC	8.1		0.08	2.77	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	COPPER	2.2	J	0.17	3.46	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	BARIUM	2.3	J	0.04	27.7	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	CHROMIUM, TOTAL	2.8		0.15	1.39	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	CALCIUM	34.7	J	1.45	693	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	BERYLLIUM	0.18	J	0.01	0.69	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	ARSENIC	1.7	J	0.53	1.39	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_390_VOA	BROMOFORM	49		1.39	13.9	ug/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_390_VOA	ACETONE	12.5	J	1.39	13.9	ug/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	IRON	5340		4.73	13.9	mg/Kg	K3
J1 Polygon	J1.F.T1.MT1.2.0	2/25/2002	CLP_ILM05.0	ALUMINUM	1300		2.08	27.7	mg/Kg	K3
MW-131	AK149	10/25/2000	CL200.7	LEAD	14.8		0.32	0.352	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	MAGNESIUM	997		28.1	40.7	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	MANGANESE	57.7		0.0783	0.0783	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	MOLYBDENUM	0.61	J	0.49	0.607	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	NICKEL	5.8		0.3	0.665	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	SELENIUM	0.73	J	0.61	0.724	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	SILVER	0.38	J	0.17	0.313	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	IRON	12800		4.15	4.15	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	VANADIUM	20.5		0.36	0.391	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	BARIUM	12.8		0.802	0.802	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	THALLIUM	1.4	J	0.64	0.881	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	COPPER	13.1	J	0.34	0.352	mg/Kg	L1

J - Estimated
NJ = Estimated Result
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-131	AK149	10/25/2000	CL200.7	COBALT	3		0.26	0.313	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	CHROMIUM, TOTAL	11.3	J	0.14	0.215	mg/Kg	L1
MW-131	AK149	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	83.8	J	0.01	0.01	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	BERYLLIUM	0.29		0.0196	0.0196	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	ARSENIC	4.6		0.75	0.822	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	ALUMINUM	10700		2.43	2.43	mg/Kg	L1
MW-131	AK149	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.2	J	0.02	0.02	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	ZINC	17.1		0.29	0.685	mg/Kg	L1
MW-131	AK149	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg	L1
MW-131	AK149	10/25/2000	CL200.7	CALCIUM	100		29	33.4	mg/Kg	L1
MW-131	AK149	10/25/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg	L1
MW-131	AK149	10/25/2000	CPEST	P,P'-DDT	2.3	J	0.26	4	ug/Kg	L1
MW-131	AK149	10/25/2000	SW8270	CHRYSENE	19	J	19	400	ug/Kg	L1
MW-131	AK149	10/25/2000	SW8270	FLUORANTHENE	33	J	33	400	ug/Kg	L1
MW-131	AK149	10/25/2000	SW8270	PYRENE	28	J	28	400	ug/Kg	L1
MW-131	AK149	10/25/2000	CVOL	ACETONE	83	J	4.34	8	ug/Kg	L1
MW-131	AK149	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	8	ug/Kg	L1
MW-131	AK149	10/25/2000	CPEST	P,P'-DDE	4.9		0.22	4	ug/Kg	L1
MW-131	AK149	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	17600	J	0	0	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	LEAD	2.7		0.32	0.336	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	MAGNESIUM	631		28.1	38.8	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	MANGANESE	80.5		0.0746	0.0746	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	NICKEL	2.9		0.3	0.392	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	POTASSIUM	347		35.8	35.8	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	COPPER	3.3		0.336	0.336	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	ZINC	7.7		0.29	0.653	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	VANADIUM	6		0.36	0.373	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	ARSENIC	1.4	J	0.75	0.784	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	CHROMIUM, TOTAL	3.5		0.14	0.205	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	CALCIUM	43.1	J	29	31.9	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	BERYLLIUM	0.17		0.0187	0.0187	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	BARIUM	5.4		0.765	0.765	mg/Kg	L1
MW-131	AK150	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	63.3		0.01	0.01	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	COBALT	3		0.26	0.299	mg/Kg	L1
MW-131	AK150	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	698	J	0	0	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	IRON	4190		3.96	3.96	mg/Kg	L1
MW-131	AK150	10/25/2000	CL200.7	ALUMINUM	2870		2.5	5	mg/Kg	L1
MW-131	AK150	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	LEAD	2.3		0.32	0.322	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	MAGNESIUM	416		28.1	37.2	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	MANGANESE	57.2		0.0716	0.0716	mg/Kg	L1

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-131	AK151	10/5/2000	CL200.7	MOLYBDENUM	0.89	J	0.49	0.537	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	POTASSIUM	183		32.5	32.5	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	VANADIUM	4.7		0.358	0.358	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	ZINC	7.3		0.29	0.627	mg/Kg	L1
MW-131	AK151	10/5/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	120	J	120	340	ug/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	IRON	4380		3.8	3.8	mg/Kg	L1
MW-131	AK151	10/5/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.4	J	0.02	0.02	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	NICKEL	2		0.3	0.609	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	COPPER	3.6		0.322	0.322	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	COBALT	1.1		0.26	0.286	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	CHROMIUM, TOTAL	5.5		0.14	0.197	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	CALCIUM	92.7		29	30.6	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	BERYLLIUM	0.13		0.0179	0.0179	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	BARIUM	4.5		0.734	0.734	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	ARSENIC	1.1	J	0.75	0.752	mg/Kg	L1
MW-131	AK151	10/5/2000	CVOL	ACETONE	7	J	4.34	10	ug/Kg	L1
MW-131	AK151	10/5/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg	L1
MW-131	AK151	10/5/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	39.8		0.01	0.01	mg/Kg	L1
MW-131	AK151	10/5/2000	CL200.7	ALUMINUM	1180		2.22	2.22	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	BARIUM	23.3		0.779	0.779	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	NICKEL	19		0.3	0.646	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	ALUMINUM	5770		2.36	2.36	mg/Kg	L1
MW-131	AK152	10/5/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	465		0.01	0.01	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	VANADIUM	17.9		0.36	0.38	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	THALLIUM	2.2		0.64	0.855	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	SODIUM	51.4	J	48	48	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	POTASSIUM	1070		34.5	34.5	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	ZINC	32.5		0.29	0.665	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	MOLYBDENUM	1.7		0.49	0.57	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	MANGANESE	406		0.076	0.076	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	MAGNESIUM	3020		28.1	39.5	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	ARSENIC	1.4	J	0.75	0.798	mg/Kg	L1
MW-131	AK152	10/5/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.1	J	0.02	0.02	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	SILVER	0.38	J	0.17	0.304	mg/Kg	L1
MW-131	AK152	10/5/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	LEAD	4.5		0.32	0.342	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	BERYLLIUM	0.46		0.019	0.019	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	CALCIUM	1320		29	32.4	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	CHROMIUM, TOTAL	13.7		0.14	0.209	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	COBALT	6.9		0.26	0.304	mg/Kg	L1
MW-131	AK152	10/5/2000	CL200.7	COPPER	12.8		0.34	0.342	mg/Kg	L1

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-131	AK152	10/5/2000	CL200.7	IRON	14300		4.03	4.03	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	IRON	5400		3.37	3.37	mg/Kg	L1
MW-131	AK153	10/5/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.8	J	0.02	0.02	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	THALLIUM	0.8	J	0.64	0.716	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	POTASSIUM	407		28.9	28.9	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	NICKEL	3.6		0.3	0.541	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	MOLYBDENUM	0.6	J	0.478	0.478	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	MANGANESE	209		0.0637	0.0637	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	MAGNESIUM	839		28.1	33.1	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	LEAD	2.8		0.287	0.287	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	VANADIUM	5.7		0.318	0.318	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	COPPER	3.3		0.287	0.287	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	ZINC	12.9		0.29	0.557	mg/Kg	L1
MW-131	AK153	10/5/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	COBALT	1.9		0.255	0.255	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	CHROMIUM, TOTAL	4.8		0.14	0.175	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	CALCIUM	260		27.2	27.2	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	BERYLLIUM	0.2		0.0159	0.0159	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	BARIUM	8.7		0.653	0.653	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	ARSENIC	0.81	J	0.669	0.669	mg/Kg	L1
MW-131	AK153	10/5/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	89.5		0.01	0.01	mg/Kg	L1
MW-131	AK153	10/5/2000	CL200.7	ALUMINUM	1930		1.97	1.97	mg/Kg	L1
MW-131	AK154	10/5/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	ALUMINUM	824		2.31	2.31	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	VANADIUM	3		0.36	0.372	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	POTASSIUM	212		33.8	33.8	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	NICKEL	1.2	J	0.3	0.391	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	MANGANESE	25		0.08	0.279	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	MAGNESIUM	317		28.1	38.7	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	LEAD	1.2		0.32	0.335	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	IRON	2420		3.95	3.95	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	COPPER	2.1	J	0.335	0.335	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	COBALT	0.76		0.26	0.298	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	CHROMIUM, TOTAL	2.3		0.14	0.205	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	BORON	2.4		0.63	1	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	ARSENIC	0.78	J	0.75	0.78	mg/Kg	L1
MW-131	AK154	10/5/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.6	J	0.02	0.02	mg/Kg	L1
MW-131	AK154	10/5/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	38.2		0.01	0.01	mg/Kg	L1
MW-131	AK154	10/5/2000	CL200.7	BARIUM	5.6		0.763	0.763	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	IRON	3350		3.45	3.45	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	ARSENIC	0.83	J	0.685	0.685	mg/Kg	L1

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-131	AK155	10/5/2000	CL200.7	VANADIUM	4		0.326	0.326	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	POTASSIUM	272		29.6	29.6	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	NICKEL	2.6	J	0.3	0.342	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	MANGANESE	32.8		0.08	0.245	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	LEAD	1.8		0.293	0.293	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	BARIUM	7.5		0.668	0.668	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	COPPER	2.7	J	0.293	0.293	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	COBALT	1.3		0.26	0.261	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	ALUMINUM	1360		2.02	2.02	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	BORON	2.8		0.63	0.88	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	MAGNESIUM	656		28.1	33.9	mg/Kg	L1
MW-131	AK155	10/5/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.3	J	0.02	0.02	mg/Kg	L1
MW-131	AK155	10/5/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	52.7		0.01	0.01	mg/Kg	L1
MW-131	AK155	10/5/2000	CL200.7	CHROMIUM, TOTAL	3.5		0.14	0.179	mg/Kg	L1
MW-131	AK155	10/5/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	MAGNESIUM	294		28.1	39.3	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	ALUMINUM	855		2.34	2.34	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	BORON	2.3		0.63	1.02	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	CHROMIUM, TOTAL	2	J	0.14	0.208	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	COBALT	0.68		0.26	0.302	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	COPPER	2.2	J	0.34	0.34	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	LEAD	1.6		0.32	0.34	mg/Kg	L1
MW-131	AK156	10/5/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	MANGANESE	19.5		0.08	0.283	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	NICKEL	0.97	J	0.3	0.397	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	POTASSIUM	217		34.3	34.3	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	VANADIUM	3.4		0.36	0.378	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	IRON	2330		4.01	4.01	mg/Kg	L1
MW-131	AK156	10/5/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	25.1		0.01	0.01	mg/Kg	L1
MW-131	AK156	10/5/2000	CL200.7	BARIUM	3.1		0.775	0.775	mg/Kg	L1
MW-131	AK156	10/5/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.3	J	0.02	0.02	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	COBALT	0.66		0.26	0.286	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	ALUMINUM	866		2.22	2.22	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	BARIUM	2.9		0.734	0.734	mg/Kg	L1
MW-131	AK157	10/5/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg	L1
MW-131	AK157	10/5/2000	E350.2	NITROGEN, AMMONIA (AS N)	10.6	J	0.02	0.02	mg/Kg	L1
MW-131	AK157	10/5/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	30.8		0.01	0.01	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	VANADIUM	2.6		0.358	0.358	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	CHROMIUM, TOTAL	1.8	J	0.14	0.197	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	COPPER	1.6	J	0.322	0.322	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	IRON	1930		3.79	3.79	mg/Kg	L1

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-131	AK157	10/5/2000	CL200.7	LEAD	1.2		0.32	0.322	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	MAGNESIUM	309		28.1	37.2	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	MANGANESE	23.6		0.08	0.268	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	NICKEL	0.93	J	0.3	0.376	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	POTASSIUM	189		32.5	32.5	mg/Kg	L1
MW-131	AK157	10/5/2000	CL200.7	BORON	1.8	J	0.63	0.966	mg/Kg	L1
MW-131	AK158	10/5/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	ALUMINUM	913		2.32	2.32	mg/Kg	L1
MW-131	AK158	10/5/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	39.7		0.01	0.01	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	ARSENIC	2		0.75	0.786	mg/Kg	L1
MW-131	AK158	10/5/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.6	J	0.02	0.02	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	BARIUM	2.9		0.767	0.767	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	BORON	4		0.63	1.01	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	CHROMIUM, TOTAL	2.5		0.14	0.206	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	COBALT	0.67		0.26	0.299	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	COPPER	1.6	J	0.337	0.337	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	LEAD	1.8		0.32	0.337	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	MAGNESIUM	272		28.1	38.9	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	MANGANESE	16.7		0.08	0.281	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	NICKEL	0.98	J	0.3	0.393	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	POTASSIUM	195		34	34	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	VANADIUM	6.9		0.36	0.374	mg/Kg	L1
MW-131	AK158	10/5/2000	CL200.7	IRON	4100		3.97	3.97	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	ARSENIC	0.86	J	0.74	0.74	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	MANGANESE	19.8		0.08	0.264	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	NICKEL	1.3	J	0.3	0.37	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	POTASSIUM	195		32	32	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	VANADIUM	3.4		0.352	0.352	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	LEAD	4.2		0.317	0.317	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	IRON	2430		3.73	3.73	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	COPPER	1.7	J	0.317	0.317	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	COBALT	0.64		0.26	0.282	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	CHROMIUM, TOTAL	2.8		0.14	0.194	mg/Kg	L1
MW-131	AK159	10/5/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	BARIUM	3.4		0.722	0.722	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	ALUMINUM	885		2.18	2.18	mg/Kg	L1
MW-131	AK159	10/5/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	29.4		0.01	0.01	mg/Kg	L1
MW-131	AK159	10/5/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.9	J	0.02	0.02	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	MAGNESIUM	272		28.1	36.6	mg/Kg	L1
MW-131	AK159	10/5/2000	CL200.7	BORON	2.2		0.63	0.951	mg/Kg	L1
MW-131	AK160	10/5/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	31.3		0.01	0.01	mg/Kg	L1

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NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-131	AK160	10/5/2000	CL200.7	COPPER	1.6	J	0.327	0.327	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	MANGANESE	16.6		0.08	0.273	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	POTASSIUM	149		33	33	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	VANADIUM	3.9		0.36	0.364	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	LEAD	1		0.32	0.327	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	IRON	2640		3.85	3.85	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	COBALT	0.63		0.26	0.291	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	CHROMIUM, TOTAL	1.8	J	0.14	0.2	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	BORON	2.8		0.63	0.982	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	BARIUM	2.9		0.745	0.745	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	ARSENIC	1.2	J	0.75	0.764	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	ALUMINUM	766		2.25	2.25	mg/Kg	L1
MW-131	AK160	10/5/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg	L1
MW-131	AK160	10/5/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.9	J	0.02	0.02	mg/Kg	L1
MW-131	AK160	10/5/2000	CL200.7	MAGNESIUM	265		28.1	37.8	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	CALCIUM	152		29	33.6	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	COPPER	1.8	J	0.34	0.355	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	ALUMINUM	1360		2.44	2.44	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	BARIUM	4.8		0.808	0.808	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	BORON	1.7	J	0.63	1.06	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	CHROMIUM, TOTAL	1.2	J	0.14	0.217	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	COBALT	1.1		0.26	0.315	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CVOL	ACETONE	4	J	4	4	ug/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	LEAD	2.3		0.32	0.355	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	MAGNESIUM	548		28.1	40.9	mg/Kg	L1
OG092500-02	AK005	9/29/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	2300	J	123	340	ug/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	MANGANESE	49.2		0.0788	0.0788	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	NICKEL	0.81	J	0.3	0.414	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	POTASSIUM	247	J	35.8	35.8	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	VANADIUM	5.1		0.36	0.394	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	ZINC	7.1		0.29	0.689	mg/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	BERYLLIUM	0.1		0.0197	0.0197	mg/Kg	L1
OG092500-02	AK005	9/29/2000	SW8270	DI-N-OCTYLPHTHALATE	22	J	22	340	ug/Kg	L1
OG092500-02	AK005	9/29/2000	CL200.7	IRON	3510		4.18	4.18	mg/Kg	L1
SS02823-A	TT494	9/1/2000	CL200.7	MOLYBDENUM	0.59	J	0.0383	1	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	NICKEL	4.5		0.11	1	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	POTASSIUM	242		47	114	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	VANADIUM	12.1		0.156	1	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	IRON	6830		4	6	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	ZINC	8.9		0.0554	1	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	2	8	ug/Kg	J4

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02823-A	TT494	9/1/2000	CL200.7	SELENIUM	0.6	J	0.6	1	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	MANGANESE	21.2		0.08	0.29	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	LEAD	5.3	J	0.32	0.33	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	ALUMINUM	9150		2	3	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	ARSENIC	1.5	J	1	1	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	BARIUM	7.9		1	2	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	BERYLLIUM	0.12	J	0.03	0.06	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	CHROMIUM, TOTAL	7.6		0.14	0.33	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	COPPER	4.7	J	0.34	0.37	mg/Kg	J4
SS02823-A	TT494	9/1/2000	CL200.7	MAGNESIUM	429		28	68	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	CALCIUM	107	J	29	55	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	POTASSIUM	282		47	99	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	CHROMIUM, TOTAL	9.5		0.14	0.29	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	2	8	ug/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	ZINC	11.1		0.0554	1	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	VANADIUM	13.6		0.156	1	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	SELENIUM	0.7	J	0.61	0.46	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	NICKEL	4.4		0.11	1	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	MANGANESE	39.1		0.08	0.25	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	LEAD	5.7		0.32	0.29	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	ALUMINUM	10100		2	2	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	COBALT	1	J	0.0832	1	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	COPPER	4.1	J	0.34	0.32	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	IRON	7810		4	6	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	CADMIUM	0.17	J	0.07	0.15	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	BERYLLIUM	0.14		0.03	0.05	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	BARIUM	11.6		1	2	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	ARSENIC	2.8	J	1	1	mg/Kg	J4
SS02824-A	TT499	9/1/2000	CL200.7	MAGNESIUM	919		28	59	mg/Kg	J4
SS03162-A	J1AT1PT01_PE1	9/26/2006	SW6010B	LEAD	2.2		0.21	0.7353	mg/Kg	L1
SS03162-A	J1AT1PT01_PE1	9/26/2006	SW6010B	COPPER	4.6		0.15	1.8382	mg/Kg	L1
SS03162-A	J1AT1PT01_PE2	9/26/2006	SW6010B	COPPER	13.9		0.17	1.8116	mg/Kg	L1
SS03162-A	J1AT1PT01_PE2	9/26/2006	SW6010B	LEAD	5.1		0.23	0.7246	mg/Kg	L1
SS03162-A	J1AT1PT01_PE3	9/26/2006	SW6010B	COPPER	102		0.18	2.2174	mg/Kg	L1
SS03162-A	J1AT1PT01_PE3	9/26/2006	SW6010B	LEAD	19.1		0.25	0.887	mg/Kg	L1
SS05A	BG5AAA	12/11/1997	CL200.7	COPPER	318		0.437	0.437	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	MANGANESE	290		0.057	0.057	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	VANADIUM	25		0.304	0.304	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	CHROMIUM, TOTAL	305		0.209	0.209	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	ZINC	238		0.589	0.589	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	E350.2	NITROGEN, AMMONIA (AS N)	8.2		8.2	8.2	mg/Kg	J5

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05A	BG5AAA	12/11/1997	CPEST	ENDRIN ALDEHYDE	4.7	NJ	4.7	4.7	ug/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	SELENIUM	6.8		0.893	0.893	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	NICKEL	355		0.399	0.399	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	MAGNESIUM	1650		24.1	24.1	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	LEAD	24.6		0.342	0.342	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	BARIUM	66.9		0.798	0.798	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.12		0.12	0.12	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	POTASSIUM	1140		41.7	41.7	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	ARSENIC	2.6		0.684	0.684	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	IRON	36000		4.86	4.86	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	BERYLLIUM	0.24		0.019	0.019	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	CADMIUM	5.9	J	0.057	0.057	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	CALCIUM	1500		20	20	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	COBALT	12.4		0.323	0.323	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	103	J	103	103	mg/Kg	J5
SS05A	BG5AAA	12/11/1997	CL200.7	ALUMINUM	26100		2.34	2.34	mg/Kg	J5
SS05A1	BC643	5/1/2002	CL200.7	MAGNESIUM	640		25.7	25.7	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	LEAD	3.1		0.16	0.16	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	ZINC	8.7	J	0.18	0.18	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	VANADIUM	6.7		0.39	0.39	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	POTASSIUM	347		24.2	24.2	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	NICKEL	3		0.47	0.47	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	MANGANESE	90.3		0.16	0.16	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	ALUMINUM	3040		3.9	3.9	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	COPPER	3.4		0.27	0.27	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	COBALT	1.3		0.41	0.41	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	CHROMIUM, TOTAL	4		0.27	0.27	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	CALCIUM	104		25	25	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	BARIUM	5.9		0.68	0.68	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	ARSENIC	1.9		0.53	0.53	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	MOLYBDENUM	0.36	J	0.23	0.23	mg/Kg	I2
SS05A1	BC643	5/1/2002	CL200.7	IRON	4970		3.3	3.3	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	MAGNESIUM	784		27	27	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	MANGANESE	291		0.16	0.16	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	NICKEL	4.2		0.49	0.49	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	POTASSIUM	328		25.4	25.4	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	LEAD	3.4		0.16	0.16	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	ZINC	12.4	J	0.18	0.18	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	CHROMIUM, TOTAL	4.7		0.29	0.29	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	VANADIUM	7.4		0.41	0.41	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	IRON	5960		3.5	3.5	mg/Kg	I2

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05A1	BC644	5/1/2002	CL200.7	COBALT	2.9		0.43	0.43	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	CALCIUM	102		26.2	26.2	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	BORON	4.2		0.39	0.39	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	BARIUM	9.2		0.72	0.72	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	ARSENIC	1.4		0.55	0.55	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	ALUMINUM	3520		4.1	4.1	mg/Kg	I2
SS05A1	BC644	5/1/2002	CL200.7	COPPER	3.1	J	0.29	0.29	mg/Kg	I2
SS05A2	BC647	5/1/2002	CL200.7	COPPER	5.3		0.33	0.33	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	IRON	14600		7.6	7.6	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	LEAD	9.5		0.19	0.19	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	MAGNESIUM	1530		31.3	31.3	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	MOLYBDENUM	0.79		0.38	0.38	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	POTASSIUM	651		178	651	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	ZINC	20	J	0.24	0.24	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	MANGANESE	95		0.19	0.19	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	COBALT	3.6		0.69	0.69	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	VANADIUM	21.7		0.47	0.47	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	ANTIMONY	1.4	J	0.95	0.95	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	CHROMIUM, TOTAL	15.9		0.28	0.28	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	ALUMINUM	14000		4.3	4.3	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	ARSENIC	5		0.52	0.52	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	BARIUM	15.5		1.5	1.5	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	BERYLLIUM	0.36		0.02	0.02	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	BORON	9.1		0.45	0.45	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	CADMIUM	0.41		0.1	0.12	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	CALCIUM	205		30.4	30.4	mg/Kg	I1
SS05A2	BC647	5/1/2002	CL200.7	NICKEL	7.3		0.66	0.66	mg/Kg	I1
SS05A3	BC738	5/2/2002	CL200.7	MAGNESIUM	1570		29.6	29.6	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	IRON	12100		3.8	3.8	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	LEAD	10.1		0.18	0.18	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	MANGANESE	72		0.18	0.18	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	NICKEL	6.8		0.54	0.54	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	POTASSIUM	857		27.8	27.8	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	COPPER	7.4		0.31	0.31	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	VANADIUM	21.5		0.45	0.45	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	ARSENIC	4.3		0.6	0.6	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	MOLYBDENUM	0.93		0.27	0.27	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	ALUMINUM	12400		4.4	4.4	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	BARIUM	16.5		0.78	0.78	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	COBALT	2.1		0.47	0.47	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	BERYLLIUM	0.35		0.02	0.02	mg/Kg	I2

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05A3	BC738	5/2/2002	CL200.7	ZINC	17.3	J	0.2	0.2	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	CALCIUM	223		28.7	28.7	mg/Kg	I2
SS05A3	BC738	5/2/2002	CL200.7	CHROMIUM, TOTAL	14.9		0.31	0.31	mg/Kg	I2
SS05AB	AW972	12/10/2001	SW8270	BENZOIC ACID	82	J	82	1000	ug/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	IRON	16000	J	3.7	3.7	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	MAGNESIUM	1360		40.1	40.1	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	MANGANESE	52.2	J	0.29	0.29	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	NICKEL	5.8	J	0.41	0.41	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	POTASSIUM	684		48	48	mg/Kg	J3
SS05AB	AW972	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	10	ug/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	ZINC	14.3		0.31	0.31	mg/Kg	J3
SS05AB	AW972	12/10/2001	CVOL	ACETONE	47		3.81	10	ug/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	COPPER	3.1	J	0.21	0.21	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	VANADIUM	26.7		0.43	0.43	mg/Kg	J3
SS05AB	AW972	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	9670		0	0	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	LEAD	9.8		0.12	0.12	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	COBALT	3.3		0.52	0.52	mg/Kg	J3
SS05AB	AW972	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86.5	J	1	2.1	mg/Kg	J3
SS05AB	AW972	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	13.8	J	1.5	2.9	mg/Kg	J3
SS05AB	AW972	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.28		0.0043	0.01	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	ALUMINUM	15300		4.8	4.8	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	ARSENIC	5.4	J	0.31	0.31	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	BARIUM	15.8		1.9	1.9	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	BERYLLIUM	0.35		0.04	0.04	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	CALCIUM	417	J	65.8	65.8	mg/Kg	J3
SS05AB	AW972	12/10/2001	CL200.7	CHROMIUM, TOTAL	16.4	J	0.25	0.25	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	ZINC	10.5	J	0.32	0.32	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	MANGANESE	39.1	J	0.3	0.3	mg/Kg	J3
SS05AC	AW975	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	136	J	1	2.2	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	NICKEL	8.9	J	0.43	0.43	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	POTASSIUM	378		50.2	50.2	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	VANADIUM	18.7		0.45	0.45	mg/Kg	J3
SS05AC	AW975	12/10/2001	CPEST	ALPHA-CHLORDANE	2.4		0.285	2	ug/Kg	J3
SS05AC	AW975	12/10/2001	CPEST	P,P'-DDE	3.7	J	0.523	4	ug/Kg	J3
SS05AC	AW975	12/10/2001	CPEST	P,P'-DDT	2.2	J	1.63	4	ug/Kg	J3
SS05AC	AW975	12/10/2001	SW8270	BENZOIC ACID	48	J	48	1000	ug/Kg	J3
SS05AC	AW975	12/10/2001	CVOL	ACETONE	75		3.81	12	ug/Kg	J3
SS05AC	AW975	12/10/2001	CVOL	TOLUENE	1	J	1	12	ug/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	MAGNESIUM	655		41.9	41.9	mg/Kg	J3
SS05AC	AW975	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	12	ug/Kg	J3
SS05AC	AW975	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.14		0.0043	0.01	mg/Kg	J3

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AC	AW975	12/10/2001	CL200.7	MOLYBDENUM	1.1	J	0.5	0.62	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	LEAD	10		0.13	0.13	mg/Kg	J3
SS05AC	AW975	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	13.8	J	1.5	2.8	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	ALUMINUM	9280		5.1	5.1	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	BARIUM	11.9		1.9	1.9	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	BERYLLIUM	0.22		0.04	0.04	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	CALCIUM	287	J	68.7	68.7	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	CHROMIUM, TOTAL	10.8	J	0.26	0.26	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	COBALT	1.9		0.54	0.54	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	COPPER	4.5	J	0.22	0.22	mg/Kg	J3
SS05AC	AW975	12/10/2001	CL200.7	IRON	10400	J	3.9	3.9	mg/Kg	J3
SS05AC	AW975	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	13600		0	0	mg/Kg	J3
SS05AD	AW978	12/10/2001	SW8270	FLUORANTHENE	18	J	18	390	ug/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	MANGANESE	62.2	J	0.31	0.31	mg/Kg	J3
SS05AD	AW978	12/10/2001	CPEST	P,P'-DDE	13		0.523	3.9	ug/Kg	J3
SS05AD	AW978	12/10/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	54	J	54	390	ug/Kg	J3
SS05AD	AW978	12/10/2001	CPEST	P,P'-DDT	6.2		1.63	3.9	ug/Kg	J3
SS05AD	AW978	12/10/2001	SW8270	BENZOIC ACID	78	J	78	990	ug/Kg	J3
SS05AD	AW978	12/10/2001	CPEST	GAMMA-CHLORDANE	6.4		0.297	2	ug/Kg	J3
SS05AD	AW978	12/10/2001	CPEST	ALPHA-CHLORDANE	5	J	0.285	2	ug/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	ZINC	14	J	0.34	0.34	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	VANADIUM	21		0.47	0.47	mg/Kg	J3
SS05AD	AW978	12/10/2001	SW8270	PYRENE	18	J	18	390	ug/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	NICKEL	6.5	J	0.45	0.45	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	MAGNESIUM	1310		43.7	43.7	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	LEAD	8.4		0.13	0.13	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	POTASSIUM	558		52.3	52.3	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	ARSENIC	4	J	0.34	0.34	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	IRON	12200	J	4	4	mg/Kg	J3
SS05AD	AW978	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	77.5	J	1	1.8	mg/Kg	J3
SS05AD	AW978	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	8990		0	0	mg/Kg	J3
SS05AD	AW978	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	12.7	J	1.5	2.9	mg/Kg	J3
SS05AD	AW978	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.39		0.0043	0.01	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	CALCIUM	136	J	71.6	71.6	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	ALUMINUM	12000		5.2	5.3	mg/Kg	J3
SS05AD	AW978	12/10/2001	CVOL	ACETONE	64		3.81	12	ug/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	BARIUM	12.6		2	2	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	BERYLLIUM	0.33		0.04	0.04	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	CHROMIUM, TOTAL	14.5	J	0.27	0.27	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	COBALT	3.6		0.56	0.56	mg/Kg	J3
SS05AD	AW978	12/10/2001	CL200.7	COPPER	4.6	J	0.22	0.22	mg/Kg	J3

J - Estimated
NJ = Estimated Result
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DL = Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AD	AW978	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	12	ug/Kg	J3
SS05AD	AW978	12/10/2001	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	230	J	23.7	120	ug/Kg	J3
SS05AE	AW979	12/10/2001	CL200.7	BARIUM	13.6		1.8	1.8	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	MAGNESIUM	908		39.2	39.2	mg/Kg	I4
SS05AE	AW979	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	11	ug/Kg	I4
SS05AE	AW979	12/10/2001	CVOL	ACETONE	56		3.81	11	ug/Kg	I4
SS05AE	AW979	12/10/2001	SW8270	BENZOIC ACID	85	J	85	1000	ug/Kg	I4
SS05AE	AW979	12/10/2001	CPEST	P,P'-DDT	6.6		1.63	4.1	ug/Kg	I4
SS05AE	AW979	12/10/2001	CPEST	P,P'-DDE	7.1		0.523	4.1	ug/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	ZINC	21.9	J	0.3	0.3	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	VANADIUM	22.2		0.42	0.42	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	POTASSIUM	489		47	47	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	NICKEL	4.5	J	0.4	0.4	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	ALUMINUM	9760		4.7	4.7	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	MANGANESE	61	J	0.28	0.28	mg/Kg	I4
SS05AE	AW979	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	116	J	1	2.2	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	LEAD	23.1		0.12	0.12	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	IRON	10600	J	3.6	3.6	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	COPPER	18.4		0.2	0.2	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	COBALT	2.5		0.5	0.5	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	CHROMIUM, TOTAL	10.6	J	0.24	0.24	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	CALCIUM	271	J	64.3	64.3	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	BERYLLIUM	0.28		0.04	0.04	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	ARSENIC	4.4	J	0.3	0.3	mg/Kg	I4
SS05AE	AW979	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.26		0.0043	0.01	mg/Kg	I4
SS05AE	AW979	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	18.4	J	1.5	3	mg/Kg	I4
SS05AE	AW979	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	27700		0	0	mg/Kg	I4
SS05AE	AW979	12/10/2001	CL200.7	MOLYBDENUM	1	J	0.5	0.58	mg/Kg	I4
SS05AE	AW980	12/10/2001	CVOL	ACETONE	93		3.81	12	ug/Kg	I4
SS05AE	AW980	12/10/2001	CPEST	ALPHA-CHLORDANE	2.3	J	0.285	2.2	ug/Kg	I4
SS05AE	AW980	12/10/2001	SW8270	BENZOIC ACID	69	J	69	1100	ug/Kg	I4
SS05AE	AW980	12/10/2001	CVOL	TOLUENE	1	J	1	12	ug/Kg	I4
SS05AE	AW980	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	3.6	12	ug/Kg	I4
SS05AE	AW980	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	125	J	1	2.5	mg/Kg	I4
SS05AE	AW980	12/10/2001	SW8270	PYRENE	19	J	19	420	ug/Kg	I4
SS05AE	AW980	12/10/2001	CPEST	P,P'-DDT	7.7		1.63	4.2	ug/Kg	I4
SS05AE	AW980	12/10/2001	CPEST	P,P'-DDE	7.7	J	0.523	4.2	ug/Kg	I4
SS05AE	AW980	12/10/2001	CPEST	GAMMA-CHLORDANE	3.4		0.297	2.2	ug/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	ZINC	19.3	J	0.34	0.34	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	VANADIUM	23.9		0.48	0.48	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	POTASSIUM	526		53.1	53.1	mg/Kg	I4

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AE	AW980	12/10/2001	CL200.7	NICKEL	5	J	0.46	0.46	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	MOLYBDENUM	0.92	J	0.5	0.66	mg/Kg	I4
SS05AE	AW980	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.26		0.0043	0.01	mg/Kg	I4
SS05AE	AW980	12/10/2001	CPEST	P,P'-DDD	3.2	J	0.534	4.2	ug/Kg	I4
SS05AE	AW980	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	18.9	J	1.5	3	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	MANGANESE	65.6	J	0.32	0.32	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	ALUMINUM	9870		5.2	5.4	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	ARSENIC	4.8	J	0.34	0.34	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	BARIUM	14.4		2	2	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	CALCIUM	298	J	72.7	72.7	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	CHROMIUM, TOTAL	10.8	J	0.27	0.27	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	COBALT	2.7		0.57	0.57	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	COPPER	10.5		0.23	0.23	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	IRON	11400	J	4.1	4.1	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	LEAD	23.9		0.14	0.14	mg/Kg	I4
SS05AE	AW980	12/10/2001	CL200.7	MAGNESIUM	969		44.3	44.3	mg/Kg	I4
SS05AE	AW980	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	31700		0	0	mg/Kg	I4
SS05AE	AW981	12/10/2001	CVOL	ACETONE	56		3.81	12	ug/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	MANGANESE	60.4	J	0.28	0.28	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	MOLYBDENUM	0.86	J	0.5	0.58	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	NICKEL	4.8	J	0.4	0.4	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	POTASSIUM	436		46.6	46.6	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	VANADIUM	18.5		0.42	0.42	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	ZINC	15.8	J	0.3	0.3	mg/Kg	I4
SS05AE	AW981	12/10/2001	CPEST	P,P'-DDE	6.9	J	0.523	3.9	ug/Kg	I4
SS05AE	AW981	12/10/2001	CPEST	P,P'-DDT	6.8		1.63	3.9	ug/Kg	I4
SS05AE	AW981	12/10/2001	SW8270	DI-N-BUTYL PHTHALATE	100	J	71.5	400	ug/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	MAGNESIUM	890		38.9	38.9	mg/Kg	I4
SS05AE	AW981	12/10/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	12	ug/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	ALUMINUM	8470		4.7	4.7	mg/Kg	I4
SS05AE	AW981	12/10/2001	SW8270	BENZOIC ACID	97	J	97	1000	ug/Kg	I4
SS05AE	AW981	12/10/2001	LYDKHN	TOTAL ORGANIC CARBON	17200		0	0	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	ARSENIC	3.7	J	0.3	0.3	mg/Kg	I4
SS05AE	AW981	12/10/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101	J	1	1.8	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	LEAD	17.1		0.12	0.12	mg/Kg	I4
SS05AE	AW981	12/10/2001	E350.2	NITROGEN, AMMONIA (AS N)	14.5	J	1.5	2.7	mg/Kg	I4
SS05AE	AW981	12/10/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.25		0.0043	0.01	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	ANTIMONY	1	J	0.94	0.94	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	BARIUM	10.9		1.8	1.8	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	CALCIUM	139	J	63.8	63.8	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	CHROMIUM, TOTAL	9.5	J	0.24	0.24	mg/Kg	I4

J - Estimated
NJ = Estimated Result
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AE	AW981	12/10/2001	CL200.7	COBALT	2.6		0.5	0.5	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	COPPER	7.5		0.2	0.2	mg/Kg	I4
SS05AE	AW981	12/10/2001	CL200.7	IRON	9950	J	3.6	3.6	mg/Kg	I4
SS05AE	AW982	12/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	3.6	9	ug/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	MOLYBDENUM	0.85	J	0.5	0.61	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	POTASSIUM	529		49.3	49.3	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	VANADIUM	18.7		0.44	0.44	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	ZINC	16.9		0.19	0.19	mg/Kg	I4
SS05AE	AW982	12/11/2001	CPEST	P,P'-DDE	6		0.523	3.9	ug/Kg	I4
SS05AE	AW982	12/11/2001	CPEST	P,P'-DDT	3.6	J	1.63	3.9	ug/Kg	I4
SS05AE	AW982	12/11/2001	SW8270	BENZOIC ACID	49	J	49	980	ug/Kg	I4
SS05AE	AW982	12/11/2001	CVOL	TOLUENE	1	J	1	9	ug/Kg	I4
SS05AE	AW982	12/11/2001	CVOL	ACETONE	71		3.81	9	ug/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	MAGNESIUM	945		41.2	41.2	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	MANGANESE	67.8		0.3	0.3	mg/Kg	I4
SS05AE	AW982	12/11/2001	SW8270	DI-N-BUTYL PHTHALATE	170	J	71.5	390	ug/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	ARSENIC	4.2		0.32	0.32	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	NICKEL	4.9		0.42	0.42	mg/Kg	I4
SS05AE	AW982	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	13500		0	0	mg/Kg	I4
SS05AE	AW982	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.8	J	1.5	2.8	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	ALUMINUM	8450		5	5	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	BARIUM	12.5		1.9	1.9	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	BERYLLIUM	0.19	J	0.04	0.04	mg/Kg	I4
SS05AE	AW982	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	120		1	2.2	mg/Kg	I4
SS05AE	AW982	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.3		0.0043	0.012	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	IRON	9760		3.8	3.8	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	CALCIUM	166		67.5	67.5	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	COPPER	5.5	J	0.8	0.93	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	LEAD	21.2	J	0.13	0.13	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	COBALT	2.7		0.53	0.53	mg/Kg	I4
SS05AE	AW982	12/11/2001	CL200.7	CHROMIUM, TOTAL	9.9		0.25	0.25	mg/Kg	I4
SS05AF	AW983	12/11/2001	SW8270	BENZOIC ACID	100	J	100	1000	ug/Kg	I5
SS05AF	AW983	12/11/2001	CVOL	ACETONE	190	J	3.81	10	ug/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	BENZO(A)ANTHRACENE	220	J	48.8	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	BENZO(A)PYRENE	200	J	44.5	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	BENZO(B)FLUORANTHENE	480		73.3	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	BENZO(G,H,I)PERYLENE	62	J	62	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	BENZO(K)FLUORANTHENE	430		47.6	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	CPEST	P,P'-DDT	5.1	J	1.63	4	ug/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	CARBAZOLE	27	J	27	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	CHRYSENE	450		46.8	400	ug/Kg	I5

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AF	AW983	12/11/2001	SW8270	DIBENZ(A,H)ANTHRACENE	47	J	47	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	FLUORANTHENE	290	J	90.9	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	INDENO(1,2,3-C,D)PYRENE	130	J	70.9	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	ZINC	15.1		0.19	0.19	mg/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	PYRENE	310	J	43.2	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	CPEST	P,P'-DDE	6.3		0.523	4	ug/Kg	I5
SS05AF	AW983	12/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	3.6	10	ug/Kg	I5
SS05AF	AW983	12/11/2001	CVOL	TOLUENE	2	J	2	10	ug/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	PHENANTHRENE	49	J	42.6	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	ARSENIC	3.8		0.32	0.32	mg/Kg	I5
SS05AF	AW983	12/11/2001	SW8270	ANTHRACENE	26	J	26	400	ug/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	VANADIUM	18.7		0.44	0.44	mg/Kg	I5
SS05AF	AW983	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	28000		0	0	mg/Kg	I5
SS05AF	AW983	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	17.6	J	1.5	2.8	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	ALUMINUM	8560		5	5	mg/Kg	I5
SS05AF	AW983	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	111		1	2.4	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	BARIUM	11		1.9	1.9	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	BERYLLIUM	0.13	J	0.04	0.04	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	CALCIUM	201		67.6	67.6	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	NICKEL	4.3		0.42	0.42	mg/Kg	I5
SS05AF	AW983	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.13		0.0043	0.012	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	POTASSIUM	490		49.4	49.4	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	CHROMIUM, TOTAL	8.9		0.25	0.25	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	MOLYBDENUM	0.91	J	0.5	0.61	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	MANGANESE	53.9		0.3	0.3	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	MAGNESIUM	986		41.2	41.2	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	LEAD	21.9	J	0.13	0.13	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	IRON	9190		3.8	3.8	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	COPPER	7.3		0.8	0.93	mg/Kg	I5
SS05AF	AW983	12/11/2001	CL200.7	COBALT	2		0.53	0.53	mg/Kg	I5
SS05AF	AW984	12/11/2001	SW8270	BENZOIC ACID	60	J	60	970	ug/Kg	I5
SS05AF	AW984	12/11/2001	CPEST	P,P'-DDE	3.7	J	0.523	3.9	ug/Kg	I5
SS05AF	AW984	12/11/2001	CPEST	P,P'-DDT	3.6	J	1.63	3.9	ug/Kg	I5
SS05AF	AW984	12/11/2001	SW8270	BENZO(A)ANTHRACENE	280	J	48.8	390	ug/Kg	I5
SS05AF	AW984	12/11/2001	SW8270	BENZO(A)PYRENE	220	J	44.5	390	ug/Kg	I5
SS05AF	AW984	12/11/2001	SW8270	BENZO(B)FLUORANTHENE	730		73.3	390	ug/Kg	I5
SS05AF	AW984	12/11/2001	SW8270	BENZO(G,H,I)PERYLENE	190	J	66.8	390	ug/Kg	I5
SS05AF	AW984	12/11/2001	SW8270	BENZO(K)FLUORANTHENE	540		47.6	390	ug/Kg	I5
SS05AF	AW984	12/11/2001	CPEST	ENDRIN KETONE	4.3	J	0.853	3.9	ug/Kg	I5
SS05AF	AW984	12/11/2001	SW8270	CHRYSENE	510		46.8	390	ug/Kg	I5
SS05AF	AW984	12/11/2001	SW8270	DIBENZ(A,H)ANTHRACENE	68	J	68	390	ug/Kg	I5

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AF	AW984	12/11/2001	SW8270	FLUORANTHENE	160	J	90.9	390	ug/Kg	I5
SS05AF	AW984	12/11/2001	SW8270	INDENO(1,2,3-C,D)PYRENE	200	J	70.9	390	ug/Kg	I5
SS05AF	AW984	12/11/2001	SW8270	PYRENE	240	J	43.2	390	ug/Kg	I5
SS05AF	AW984	12/11/2001	CVOL	ACETONE	280	J	3.81	11	ug/Kg	I5
SS05AF	AW984	12/11/2001	CVOL	BROMOFORM	1	J	1	11	ug/Kg	I5
SS05AF	AW984	12/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	18	J	3.6	11	ug/Kg	I5
SS05AF	AW984	12/11/2001	CVOL	TOLUENE	3	J	2.37	11	ug/Kg	I5
SS05AF	AW984	12/11/2001	CPEST	ENDOSULFAN SULFATE	2.2	J	0.589	3.9	ug/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	CALCIUM	154		66.1	66.1	mg/Kg	I5
SS05AF	AW984	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.055		0.0043	0.012	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	ZINC	15.2		0.19	0.19	mg/Kg	I5
SS05AF	AW984	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.1	J	1.5	2.6	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	ALUMINUM	8600		4.9	4.9	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	ARSENIC	3.8		0.31	0.31	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	BARIUM	9.9		1.9	1.9	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	BERYLLIUM	0.13	J	0.04	0.04	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	COBALT	1.8		0.52	0.52	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	CHROMIUM, TOTAL	9.3		0.25	0.25	mg/Kg	I5
SS05AF	AW984	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	81.4		1	2	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	POTASSIUM	423		48.3	48.3	mg/Kg	I5
SS05AF	AW984	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	15700		0	0	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	COPPER	13.2		0.8	0.91	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	VANADIUM	18.1		0.43	0.43	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	NICKEL	3.6		0.41	0.41	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	MOLYBDENUM	1.1	J	0.5	0.6	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	MANGANESE	39.4		0.29	0.29	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	MAGNESIUM	697		40.3	40.3	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	LEAD	24.6	J	0.12	0.12	mg/Kg	I5
SS05AF	AW984	12/11/2001	CL200.7	IRON	9130		3.7	3.7	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	VANADIUM	14.5		0.42	0.42	mg/Kg	I5
SS05AF	AW985	12/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	3.6	10	ug/Kg	I5
SS05AF	AW985	12/11/2001	SW8270	BENZO(B)FLUORANTHENE	120	J	73.3	380	ug/Kg	I5
SS05AF	AW985	12/11/2001	CPEST	P,P'-DDE	6.2		0.523	3.8	ug/Kg	I5
SS05AF	AW985	12/11/2001	CPEST	P,P'-DDT	3.2	J	1.63	3.8	ug/Kg	I5
SS05AF	AW985	12/11/2001	SW8270	BENZO(A)ANTHRACENE	42	J	42	380	ug/Kg	I5
SS05AF	AW985	12/11/2001	SW8270	BENZO(A)PYRENE	38	J	38	380	ug/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	ZINC	111		0.18	0.18	mg/Kg	I5
SS05AF	AW985	12/11/2001	SW8270	BENZO(G,H,I)PERYLENE	27	J	27	380	ug/Kg	I5
SS05AF	AW985	12/11/2001	SW8270	BENZO(K)FLUORANTHENE	85	J	47.6	380	ug/Kg	I5
SS05AF	AW985	12/11/2001	SW8270	BENZOIC ACID	61	J	61	950	ug/Kg	I5
SS05AF	AW985	12/11/2001	SW8270	CHRYSENE	88	J	46.8	380	ug/Kg	I5

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AF	AW985	12/11/2001	SW8270	PYRENE	59	J	43.2	380	ug/Kg	I5
SS05AF	AW985	12/11/2001	CVOL	TOLUENE	3	J	2.37	10	ug/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	POTASSIUM	407		46.1	46.1	mg/Kg	I5
SS05AF	AW985	12/11/2001	SW8270	INDENO(1,2,3-C,D)PYRENE	39	J	39	380	ug/Kg	I5
SS05AF	AW985	12/11/2001	SW8270	FLUORANTHENE	51	J	51	380	ug/Kg	I5
SS05AF	AW985	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.15		0.0043	0.011	mg/Kg	I5
SS05AF	AW985	12/11/2001	CVOL	ACETONE	170	J	3.81	10	ug/Kg	I5
SS05AF	AW985	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92		1	2.2	mg/Kg	I5
SS05AF	AW985	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	15100		0	0	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	NICKEL	3.5		0.4	0.4	mg/Kg	I5
SS05AF	AW985	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.3	J	1.5	2.5	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	ALUMINUM	7530		4.6	4.6	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	ARSENIC	3.8		0.3	0.3	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	BARIUM	9.4		1.8	1.8	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	BERYLLIUM	0.14	J	0.04	0.04	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	CHROMIUM, TOTAL	7.6		0.24	0.24	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	COBALT	1.9		0.49	0.49	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	COPPER	13.4		0.8	0.87	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	MOLYBDENUM	0.95	J	0.5	0.57	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	IRON	7590		3.6	3.6	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	LEAD	16.7	J	0.12	0.12	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	MAGNESIUM	742		38.5	38.5	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	CALCIUM	237		63.1	63.1	mg/Kg	I5
SS05AF	AW985	12/11/2001	CL200.7	MANGANESE	43.1		0.28	0.28	mg/Kg	I5
SS05PA	BC648	5/1/2002	SW8270	BENZOIC ACID	42	J	42	1000	ug/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	MOLYBDENUM	5.7		0.28	0.28	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	POTASSIUM	1100		29.4	29.4	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	VANADIUM	22		0.47	0.47	mg/Kg	K1
SS05PA	BC648	5/1/2002	SW8270	PYRENE	34	J	34	410	ug/Kg	K1
SS05PA	BC648	5/1/2002	SW8270	FLUORANTHENE	33	J	33	410	ug/Kg	K1
SS05PA	BC648	5/1/2002	SW8270	DI-N-BUTYL PHTHALATE	68	J	68	410	ug/Kg	K1
SS05PA	BC648	5/1/2002	SW8270	BENZO(B)FLUORANTHENE	37	J	37	410	ug/Kg	K1
SS05PA	BC648	5/1/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23	J	23	410	ug/Kg	K1
SS05PA	BC648	5/1/2002	SW8270	BENZO(K)FLUORANTHENE	33	J	33	410	ug/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	MANGANESE	101		0.19	0.19	mg/Kg	K1
SS05PA	BC648	5/1/2002	SW8270	BENZO(A)PYRENE	20	J	20	410	ug/Kg	K1
SS05PA	BC648	5/1/2002	SW8270	CHRYSENE	37	J	37	410	ug/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	BORON	6.7		0.45	0.45	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	NICKEL	8.5		0.57	0.57	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	MAGNESIUM	2240		31.3	31.3	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	CHROMIUM, TOTAL	17.4		0.33	0.33	mg/Kg	K1

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05PA	BC648	5/1/2002	CL200.7	ANTIMONY	1.3	J	0.95	0.95	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	CADMIUM	0.29	J	0.1	0.19	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	BARIUM	26.4		0.83	0.83	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	ARSENIC	2.1		0.52	0.52	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	ZINC	17	J	0.21	0.21	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	COBALT	2.9		0.5	0.5	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	ALUMINUM	6810		4.7	4.7	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	COPPER	7.2	J	0.33	0.33	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	IRON	8980		4	4	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	LEAD	15.9		0.19	0.19	mg/Kg	K1
SS05PA	BC648	5/1/2002	CL200.7	CALCIUM	664		30.4	30.4	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	COBALT	2		0.45	0.45	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	BORON	6.8		0.41	0.41	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	ALUMINUM	7420		4.3	4.3	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	ARSENIC	2.8		0.48	0.48	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	BARIUM	11.2		0.76	0.76	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	BERYLLIUM	0.29		0.02	0.02	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	CADMIUM	0.38		0.1	0.17	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	CHROMIUM, TOTAL	10.3		0.3	0.3	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	COPPER	6.9	J	0.3	0.3	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	IRON	9860		3.7	3.7	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	LEAD	15.3		0.17	0.17	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	MAGNESIUM	1050		28.6	28.6	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	MANGANESE	81.8		0.17	0.17	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	NICKEL	5.5		0.52	0.52	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	POTASSIUM	518		26.8	26.8	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	SELENIUM	0.54	J	0.43	0.43	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	VANADIUM	16.4		0.43	0.43	mg/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	ZINC	16.2	J	0.19	0.19	mg/Kg	K1
SS05PA	BC649	5/1/2002	SW8270	BENZOIC ACID	49	J	49	960	ug/Kg	K1
SS05PA	BC649	5/1/2002	CL200.7	CALCIUM	292		27.7	27.7	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	NICKEL	3.4		0.51	0.51	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	COBALT	1.6		0.44	0.44	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	CHROMIUM, TOTAL	5.7		0.3	0.3	mg/Kg	K1
SS05PA	BC650	5/1/2002	SW8270	BENZO(B)FLUORANTHENE	20	J	20	350	ug/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	ZINC	12.4	J	0.19	0.19	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	VANADIUM	10.1		0.42	0.42	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	POTASSIUM	408		26.2	26.2	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	MANGANESE	85.1		0.17	0.17	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	MAGNESIUM	759		27.9	27.9	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	IRON	6210		3.6	3.6	mg/Kg	K1

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05PA	BC650	5/1/2002	CL200.7	ALUMINUM	3980		4.2	4.2	mg/Kg	K1
SS05PA	BC650	5/1/2002	SW8270	BENZO(K)FLUORANTHENE	16	J	16	350	ug/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	CALCIUM	201		27.1	27.1	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	BORON	4.2		0.4	0.4	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	BERYLLIUM	0.23		0.02	0.02	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	BARIUM	8		0.74	0.74	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	ARSENIC	2.5		0.57	0.57	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	ANTIMONY	1.7	J	0.85	0.85	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	LEAD	9.2		0.17	0.17	mg/Kg	K1
SS05PA	BC650	5/1/2002	CL200.7	COPPER	4.1	J	0.3	0.3	mg/Kg	K1
SS05PB	BC669	5/2/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	39	J	39	380	ug/Kg	K1
SS05PB	BC669	5/2/2002	SW8270	PYRENE	23	J	23	380	ug/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	ALUMINUM	4950		4	4	mg/Kg	K1
SS05PB	BC669	5/2/2002	SW8270	CHRYSENE	18	J	18	380	ug/Kg	K1
SS05PB	BC669	5/2/2002	SW8270	BENZOIC ACID	73	J	73	960	ug/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	ZINC	12.3	J	0.18	0.18	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	VANADIUM	13.1		0.41	0.41	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	POTASSIUM	512		25.3	25.3	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	NICKEL	4.3		0.49	0.49	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	MOLYBDENUM	0.69		0.24	0.24	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	BERYLLIUM	0.24		0.02	0.02	mg/Kg	K1
SS05PB	BC669	5/2/2002	SW8270	FLUORANTHENE	24	J	24	380	ug/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	MANGANESE	60.4		0.16	0.16	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	BARIUM	8.3		0.71	0.71	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	CALCIUM	144		26.2	26.2	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	CHROMIUM, TOTAL	7.1		0.29	0.29	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	COBALT	1.5		0.43	0.43	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	COPPER	8		0.29	0.29	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	IRON	7170		3.5	3.5	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	LEAD	9.5		0.16	0.16	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	MAGNESIUM	881		26.9	26.9	mg/Kg	K1
SS05PB	BC669	5/2/2002	CL200.7	ARSENIC	2.6		0.55	0.55	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	POTASSIUM	639		29.6	29.6	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	ARSENIC	3.7		0.53	0.53	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	IRON	10600		4.1	4.1	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	NICKEL	7.7		0.57	0.57	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	MOLYBDENUM	0.72		0.29	0.29	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	MANGANESE	67		0.19	0.19	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	MAGNESIUM	995		31.5	31.5	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	LEAD	16.7		0.19	0.19	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	COPPER	14.2		0.33	0.33	mg/Kg	K1

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05PB	BC670	5/2/2002	CL200.7	COBALT	1.7		0.5	0.5	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	CHROMIUM, TOTAL	11.6		0.33	0.33	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	CALCIUM	165		30.6	30.6	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	CADMIUM	0.2	J	0.1	0.19	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	BARIUM	13.1		0.84	0.84	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	ALUMINUM	9580		4.7	4.7	mg/Kg	K1
SS05PB	BC670	5/2/2002	SW8270	BENZOIC ACID	85	J	85	1000	ug/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	BERYLLIUM	0.29		0.02	0.02	mg/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	VANADIUM	18.4		0.48	0.48	mg/Kg	K1
SS05PB	BC670	5/2/2002	SW8270	PYRENE	20	J	20	400	ug/Kg	K1
SS05PB	BC670	5/2/2002	CL200.7	ZINC	24.9	J	0.21	0.21	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	SELENIUM	0.51	J	0.45	0.45	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	VANADIUM	24.1		0.45	0.45	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	POTASSIUM	880		28.1	28.1	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	NICKEL	8.6		0.54	0.54	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	MOLYBDENUM	0.58		0.27	0.27	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	MANGANESE	78.4		0.18	0.18	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	MAGNESIUM	1630		29.9	29.9	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	LEAD	10.2		0.18	0.18	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	ALUMINUM	15600		4.5	4.5	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	COPPER	6.2		0.32	0.32	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	COBALT	2.3		0.48	0.48	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	CHROMIUM, TOTAL	18.2		0.32	0.32	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	CALCIUM	220		29	29	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	BERYLLIUM	0.38		0.02	0.02	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	BARIUM	18.1		0.79	0.79	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	ARSENIC	4.7		0.61	0.61	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	ZINC	19.3	J	0.2	0.2	mg/Kg	K1
SS05PB	BC671	5/2/2002	CL200.7	IRON	15100		3.9	3.9	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	MANGANESE	71.1		0.19	0.19	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	MOLYBDENUM	0.66		0.29	0.29	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	NICKEL	7.7		0.57	0.57	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	POTASSIUM	805		29.5	29.5	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	VANADIUM	22.4		0.48	0.48	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	MAGNESIUM	1440		31.4	31.4	mg/Kg	K1
SS05PB	BC672	5/2/2002	SW8270	BENZOIC ACID	63	J	63	990	ug/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	CALCIUM	202		30.5	30.5	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	ZINC	17.2	J	0.21	0.21	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	LEAD	10		0.19	0.19	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	IRON	14300		4	4	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	COPPER	5.5		0.33	0.33	mg/Kg	K1

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05PB	BC672	5/2/2002	CL200.7	CHROMIUM, TOTAL	16.9		0.33	0.33	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	BARIUM	16.3		0.83	0.83	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	ANTIMONY	1.3	J	0.95	0.95	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	ALUMINUM	14200		4.7	4.7	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	ARSENIC	4.7		0.64	0.64	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	COBALT	2		0.5	0.5	mg/Kg	K1
SS05PB	BC672	5/2/2002	CL200.7	BERYLLIUM	0.37		0.02	0.02	mg/Kg	K1
SS05TA	BC629	4/30/2002	CL200.7	MANGANESE	76.7		0.18	0.18	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	ZINC	16.8	J	0.2	0.2	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	VANADIUM	17.7		0.45	0.45	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	POTASSIUM	671		28	28	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	MOLYBDENUM	0.66	J	0.36	0.36	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	MAGNESIUM	1420		29.8	29.8	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	LEAD	11.7		0.18	0.18	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	IRON	11200		7.2	7.2	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	ARSENIC	3.1		0.5	0.5	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	NICKEL	6.7		0.63	0.63	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	ALUMINUM	9150		4.1	4.1	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	COPPER	7.7		0.32	0.32	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	BARIUM	14.8		1.4	1.4	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	CALCIUM	163		28.9	28.9	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	CHROMIUM, TOTAL	11.9		0.27	0.27	mg/Kg	I5
SS05TA	BC629	4/30/2002	CL200.7	COBALT	3.3		0.65	0.65	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	LEAD	7.8		0.17	0.17	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	COBALT	2.7		0.61	0.61	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	VANADIUM	15		0.42	0.42	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	POTASSIUM	561		26.3	26.3	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	NICKEL	7.7		0.59	0.59	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	MOLYBDENUM	1.1		0.34	0.34	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	MANGANESE	62.2		0.17	0.17	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	MAGNESIUM	1020		28	28	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	ZINC	12.6	J	0.19	0.19	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	COPPER	7.1		0.3	0.3	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	CHROMIUM, TOTAL	10.7		0.25	0.25	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	CALCIUM	116		27.2	27.2	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	BARIUM	11.9		1.3	1.3	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	ARSENIC	3		0.47	0.47	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	ALUMINUM	6590		3.9	3.9	mg/Kg	I5
SS05TA	BC630	4/30/2002	CL200.7	IRON	8880		6.8	6.8	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	CALCIUM	88.7		27.9	27.9	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	VANADIUM	38.9		0.43	0.43	mg/Kg	I5

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Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05TA	BC631	4/30/2002	CL200.7	POTASSIUM	378		27	27	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	NICKEL	8.4		0.61	0.61	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	MOLYBDENUM	0.84		0.35	0.35	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	MANGANESE	39.7		0.17	0.17	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	MAGNESIUM	678		28.7	28.7	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	LEAD	8.4		0.17	0.17	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	IRON	9180		6.9	6.9	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	COBALT	1.7		0.63	0.63	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	ZINC	11	J	0.2	0.2	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	ARSENIC	3.2		0.48	0.48	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	ALUMINUM	7700		4	4	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	CHROMIUM, TOTAL	8.1		0.26	0.26	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	COPPER	4.3		0.3	0.3	mg/Kg	I5
SS05TA	BC631	4/30/2002	CL200.7	BARIUM	9.6		1.4	1.4	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	IRON	9060		7.2	7.2	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	CALCIUM	173		28.9	28.9	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	VANADIUM	13.7		0.45	0.45	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	POTASSIUM	582		27.9	27.9	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	NICKEL	11.4		0.63	0.63	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	MOLYBDENUM	0.92		0.36	0.36	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	MANGANESE	66.8		0.18	0.18	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	LEAD	10.3		0.18	0.18	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	ZINC	19.3	J	0.2	0.2	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	COPPER	12.5		0.32	0.32	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	COBALT	3.3		0.65	0.65	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	CHROMIUM, TOTAL	10.9		0.27	0.27	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	ALUMINUM	7450		4.1	4.1	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	ARSENIC	2.9		0.5	0.5	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	BARIUM	13.4		1.4	1.4	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	CADMIUM	0.17	J	0.1	0.11	mg/Kg	I5
SS05TA	BC632	4/30/2002	CL200.7	MAGNESIUM	1130		29.7	29.7	mg/Kg	I5
SS05TA	BC674	4/30/2002	CVOL	ACETONE	14	J	3.81	8	ug/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	MAGNESIUM	1020		28.7	28.7	mg/Kg	I5
SS05TB	BC633	4/30/2002	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	22	J	22	370	ug/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	ZINC	15.3	J	0.2	0.2	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	VANADIUM	13.1		0.43	0.43	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	POTASSIUM	590		27	27	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	CADMIUM	0.14	J	0.1	0.11	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	MANGANESE	58		0.17	0.17	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	BARIUM	12		1.4	1.4	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	LEAD	9.1		0.17	0.17	mg/Kg	I5

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05TB	BC633	4/30/2002	CL200.7	IRON	9470		6.9	6.9	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	COPPER	8		0.3	0.3	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	COBALT	2.7		0.63	0.63	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	CHROMIUM, TOTAL	9.1		0.26	0.26	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	CALCIUM	117		27.8	27.8	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	MOLYBDENUM	0.63	J	0.35	0.35	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	NICKEL	6.5		0.61	0.61	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	ALUMINUM	6990		4	4	mg/Kg	I5
SS05TB	BC633	4/30/2002	CL200.7	ARSENIC	2.9		0.48	0.48	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	NICKEL	6.6		0.6	0.6	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	ARSENIC	3.7		0.47	0.47	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	ZINC	22.1	J	0.19	0.19	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	POTASSIUM	712		26.6	26.6	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	MANGANESE	77.6		0.17	0.17	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	MAGNESIUM	1500		28.3	28.3	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	LEAD	12.3		0.17	0.17	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	ALUMINUM	11800		3.9	3.9	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	COPPER	5.6		0.3	0.3	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	COBALT	4		0.62	0.62	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	CHROMIUM, TOTAL	14.3		0.26	0.26	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	ANTIMONY	0.54	J	0.39	0.39	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	CALCIUM	113		27.5	27.5	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	BERYLLIUM	0.35		0.02	0.02	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	IRON	13000		6.8	6.8	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	VANADIUM	18.2		0.43	0.43	mg/Kg	I5
SS05TB	BC634	4/30/2002	CL200.7	BARIUM	16		1.4	1.4	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	MAGNESIUM	1410		27.2	27.2	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	MANGANESE	70.5		0.16	0.16	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	NICKEL	6.4		0.58	0.58	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	POTASSIUM	660		25.5	25.5	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	ZINC	17.9	J	0.19	0.19	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	LEAD	19.4		0.16	0.16	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	BARIUM	13.5		1.3	1.3	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	VANADIUM	16.5		0.41	0.41	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	COPPER	6.1		0.29	0.29	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	COBALT	3.7		0.6	0.6	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	CALCIUM	107		26.4	26.4	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	ARSENIC	3.4		0.45	0.45	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	ANTIMONY	0.44	J	0.37	0.37	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	ALUMINUM	10800		3.8	3.8	mg/Kg	I5
SS05TB	BC635	4/30/2002	CL200.7	IRON	11900		6.6	6.6	mg/Kg	I5

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05TB	BC635	4/30/2002	CL200.7	CHROMIUM, TOTAL	13.5		0.25	0.25	mg/Kg	I5
SS05TC	BC636	5/1/2002	CL200.7	BARIUM	15.3		1.6	1.6	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	LEAD	18.3		0.2	0.2	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	IRON	12200		7.9	7.9	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	COPPER	18.5		0.35	0.35	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	COBALT	2.1		0.52	0.52	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	CHROMIUM, TOTAL	13.8		0.3	0.3	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	CALCIUM	164		31.7	31.7	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	CADMIUM	0.47		0.1	0.12	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	BERYLLIUM	0.31		0.02	0.02	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	ARSENIC	4.8		0.54	0.54	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	MAGNESIUM	1160		32.6	32.6	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	BORON	7.9		0.47	0.47	mg/Kg	J5
SS05TC	BC636	5/1/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	36	J	36	430	ug/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	ALUMINUM	12200		4.5	4.5	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	MANGANESE	60.7		0.2	0.2	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	MOLYBDENUM	1.5		0.4	0.4	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	NICKEL	10.3		0.69	0.69	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	POTASSIUM	620		30.7	30.7	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	SELENIUM	0.82	J	0.49	0.49	mg/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	ZINC	21.8		0.22	0.22	mg/Kg	J5
SS05TC	BC636	5/1/2002	SW8270	PYRENE	25	J	25	430	ug/Kg	J5
SS05TC	BC636	5/1/2002	CL200.7	VANADIUM	21.6		0.49	0.49	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	ALUMINUM	11600		4.1	4.1	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	CHROMIUM, TOTAL	13.3		0.27	0.27	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	COBALT	1.7		0.48	0.48	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	MAGNESIUM	1060		29.9	29.9	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	COPPER	11.8		0.32	0.32	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	IRON	11400		7.2	7.2	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	LEAD	12.4		0.18	0.18	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	ARSENIC	5.3		0.5	0.5	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	BARIUM	15.3		1.4	1.4	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	BERYLLIUM	0.28		0.02	0.02	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	SILVER	0.54	J	0.27	0.27	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	MANGANESE	58.5		0.18	0.18	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	MOLYBDENUM	1.7		0.36	0.36	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	NICKEL	9.4		0.63	0.63	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	POTASSIUM	648		28.1	28.1	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	BORON	7.6		0.43	0.43	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	VANADIUM	18.7		0.45	0.45	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	ZINC	15.7		0.2	0.2	mg/Kg	J5

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05TC	BC637	5/1/2002	CL200.7	CALCIUM	138		29	29	mg/Kg	J5
SS05TC	BC637	5/1/2002	CL200.7	CADMIUM	0.5		0.1	0.11	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	IRON	8430		6.9	6.9	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	POTASSIUM	446		26.9	26.9	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	COPPER	7.4		0.3	0.3	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	SELENIUM	0.66	J	0.43	0.43	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	CADMIUM	0.34		0.1	0.11	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	SILVER	0.36	J	0.26	0.26	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	MOLYBDENUM	1.4		0.35	0.35	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	MANGANESE	37.2		0.17	0.17	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	MAGNESIUM	843		28.6	28.6	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	LEAD	7.7		0.17	0.17	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	NICKEL	6.6		0.61	0.61	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	ZINC	13.3		0.2	0.2	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	CALCIUM	108		27.8	27.8	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	ARSENIC	4.8		0.48	0.48	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	BARIUM	12		1.4	1.4	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	BORON	5.4		0.41	0.41	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	COBALT	1.2		0.46	0.46	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	ALUMINUM	9560		4	4	mg/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	VANADIUM	13.8		0.43	0.43	mg/Kg	J5
SS05TC	BC638	5/1/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	190	J	121	370	ug/Kg	J5
SS05TC	BC638	5/1/2002	CL200.7	CHROMIUM, TOTAL	10.5		0.26	0.26	mg/Kg	J5
SS08526-A	04758	5/20/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	54		2.66	13	ug/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	MAGNESIUM	1950		17.1	17.1	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	LEAD	12.7		0.3	0.32	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	ALUMINUM	11600		3.3	3.3	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	IRON	13200		3.6	3.6	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	ARSENIC	4.8		0.49	0.49	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	COPPER	7.4		0.13	0.13	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	COBALT	5.1		0.21	0.21	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	NICKEL	8.1		0.26	0.26	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	CALCIUM	190		23.9	23.9	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	MANGANESE	113		0.36	0.36	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	BARIUM	19.5		0.23	0.23	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	BERYLLIUM	0.41		0.04	0.04	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	BORON	5.1		0.34	0.34	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	CHROMIUM, TOTAL	18		0.15	0.15	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	SILVER	0.24	J	0.19	0.19	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	THALLIUM	1.6		0.4	0.66	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	VANADIUM	21.1		0.26	0.26	mg/Kg	L2

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS08526-A	13479	4/7/2004	C200.7	ZINC	25		0.28	0.28	mg/Kg	L2
SS08526-A	13479	4/7/2004	C200.7	POTASSIUM	1010		20.6	20.6	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	NICKEL	5.5		0.3	0.3	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	COBALT	3.9		0.23	0.23	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	CHROMIUM, TOTAL	10.5		0.17	0.17	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	CALCIUM	144		26.8	26.8	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	BERYLLIUM	0.25	J	0.04	0.04	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	BARIUM	12.3		0.25	0.25	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	ARSENIC	3.6		0.55	0.55	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	IRON	9120		4.1	4.1	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	LEAD	7		0.3	0.36	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	MAGNESIUM	1240		19.1	19.1	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	ALUMINUM	7360		3.7	3.7	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	MANGANESE	109		0.4	0.4	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	POTASSIUM	718		23.1	23.1	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	COPPER	7.8		0.15	0.15	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	THALLIUM	0.85	J	0.4	0.74	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	VANADIUM	14.2		0.3	0.3	mg/Kg	L2
SS08526-A	13480	4/7/2004	C200.7	ZINC	15.1		0.32	0.32	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	IRON	12400		4.1	4.1	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	MANGANESE	81.9		0.4	0.4	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	COPPER	7		0.15	0.15	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	COBALT	3		0.23	0.23	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	ALUMINUM	11200		3.8	3.8	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	ARSENIC	4.2		0.55	0.55	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	BARIUM	14.4		0.26	0.26	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	BERYLLIUM	0.25	J	0.04	0.04	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	CADMIUM	0.29		0.06	0.06	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	POTASSIUM	635		23.3	23.3	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	CHROMIUM, TOTAL	13		0.17	0.17	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	ZINC	18.4		0.32	0.32	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	LEAD	11.2		0.3	0.36	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	MAGNESIUM	1100		19.3	19.3	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	NICKEL	5.5		0.3	0.3	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	SELENIUM	0.94	J	0.77	0.77	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	THALLIUM	1.1	J	0.4	0.75	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	VANADIUM	21.5		0.3	0.3	mg/Kg	L2
SS08526-A	13481	4/7/2004	C200.7	CALCIUM	172		27	27	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	COPPER	7.7		0.14	0.14	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	BERYLLIUM	0.3	J	0.04	0.04	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	ALUMINUM	10800		3.6	3.6	mg/Kg	L2

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS08526-A	13482	4/7/2004	C200.7	ANTIMONY	0.57	J	0.56	0.56	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	LEAD	10.4		0.3	0.35	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	BARIUM	14.1		0.25	0.25	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	CADMIUM	0.22		0.06	0.06	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	CALCIUM	139		26.1	26.1	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	CHROMIUM, TOTAL	12		0.16	0.16	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	COBALT	2.8		0.23	0.23	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	IRON	11500		4	4	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	MAGNESIUM	1020		18.6	18.6	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	MANGANESE	72.1		0.39	0.39	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	NICKEL	4.9		0.29	0.29	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	POTASSIUM	593		22.5	22.5	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	VANADIUM	20.1		0.29	0.29	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	ZINC	16.4		0.31	0.31	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	ARSENIC	4.2		0.54	0.54	mg/Kg	L2
SS08526-A	13482	4/7/2004	C200.7	SELENIUM	0.89	J	0.74	0.74	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	POTASSIUM	469		23.2	23.2	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	MAGNESIUM	834		19.2	19.2	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	ZINC	20.3		0.32	0.32	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	LEAD	19.8		0.3	0.36	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	VANADIUM	14.9		0.3	0.3	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	SELENIUM	1.1	J	0.76	0.76	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	MANGANESE	75.4		0.4	0.4	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	IRON	8690		4.1	4.1	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	CHROMIUM, TOTAL	8.6		0.17	0.17	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	COBALT	2.3		0.23	0.23	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	NICKEL	3.8		0.3	0.3	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	CALCIUM	307		26.9	26.9	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	CADMIUM	0.12	J	0.06	0.06	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	BERYLLIUM	0.2	J	0.04	0.04	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	BARIUM	12.3		0.25	0.25	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	ANTIMONY	0.71	J	0.57	0.57	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	ALUMINUM	7240		3.7	3.7	mg/Kg	L2
SS08526-A	13483	4/7/2004	C200.7	COPPER	63.4		0.15	0.15	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	POTASSIUM	799		24.8	24.8	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	BERYLLIUM	0.19	J	0.05	0.05	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	ALUMINUM	7860		4	4	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	BARIUM	21		0.27	0.27	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	CALCIUM	322		28.8	28.8	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	CHROMIUM, TOTAL	13.7		0.18	0.18	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	COBALT	3.6		0.25	0.25	mg/Kg	L2

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS08526-A	13484	4/7/2004	C200.7	COPPER	38.6		0.16	0.16	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	LEAD	19.6		0.3	0.39	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	NICKEL	6.9		0.32	0.32	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	IRON	9170		4.4	4.4	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	ZINC	19.7		0.34	0.34	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	VANADIUM	16		0.32	0.32	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	MANGANESE	90.5		0.43	0.43	mg/Kg	L2
SS08526-A	13484	4/7/2004	C200.7	MAGNESIUM	1640		20.5	20.5	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	COPPER	7.6		0.15	0.15	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	ANTIMONY	0.69	J	0.59	0.59	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	ARSENIC	4.4		0.57	0.57	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	BARIUM	17.3		0.26	0.26	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	BERYLLIUM	0.34	J	0.04	0.04	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	BORON	3.5		0.39	0.39	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	CALCIUM	202		27.6	27.6	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	ALUMINUM	12400		3.8	3.8	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	COBALT	4.9		0.24	0.24	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	IRON	13100		4.2	4.2	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	LEAD	9.2		0.3	0.37	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	MANGANESE	116		0.41	0.41	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	NICKEL	8		0.3	0.3	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	POTASSIUM	864		23.8	23.8	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	VANADIUM	21.9		0.3	0.3	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	ZINC	22.1		0.33	0.33	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	CHROMIUM, TOTAL	15.2		0.17	0.17	mg/Kg	L2
SS08526-A	13485	4/7/2004	C200.7	MAGNESIUM	1890		19.7	19.7	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	LEAD	11.1		0.3	0.37	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	BARIUM	15.2		0.26	0.26	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	CALCIUM	180		27.4	27.4	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	CHROMIUM, TOTAL	13.7		0.17	0.17	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	COBALT	4.2		0.24	0.24	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	ALUMINUM	11100		3.8	3.8	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	IRON	12100		4.2	4.2	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	ARSENIC	4.9		0.56	0.56	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	MAGNESIUM	1630		19.6	19.6	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	MANGANESE	109		0.41	0.41	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	NICKEL	7.1		0.3	0.3	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	POTASSIUM	768		23.6	23.6	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	VANADIUM	19.9		0.3	0.3	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	ZINC	19.7		0.32	0.32	mg/Kg	L2
SS08526-A	13486	4/7/2004	C200.7	COPPER	10.5		0.15	0.15	mg/Kg	L2

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS08526-A	13486	4/7/2004	C200.7	BERYLLIUM	0.31	J	0.04	0.04	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	CHROMIUM, TOTAL	17.2		0.18	0.18	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	THALLIUM	0.93	J	0.4	0.8	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	POTASSIUM	752		25	25	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	NICKEL	7.6		0.32	0.32	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	MANGANESE	86.4		0.44	0.44	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	MAGNESIUM	1560		20.7	20.7	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	LEAD	13.9		0.3	0.39	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	IRON	14500		4.4	4.4	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	ZINC	18.7		0.34	0.34	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	COBALT	3.9		0.25	0.25	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	VANADIUM	24.9		0.32	0.32	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	CALCIUM	162		29	29	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	CADMIUM	0.08	J	0.07	0.07	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	BERYLLIUM	0.32	J	0.05	0.05	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	BARIUM	16.6		0.27	0.27	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	ARSENIC	4.3		0.6	0.6	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	ALUMINUM	15000		4	4	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	COPPER	8.2		0.16	0.16	mg/Kg	L2
SS08526-A	13487	4/7/2004	C200.7	SELENIUM	1.1	J	0.82	0.82	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	IRON	13300		4.1	4.1	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	NICKEL	20		0.3	0.3	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	MANGANESE	170		0.41	0.41	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	MAGNESIUM	6550		19.3	19.3	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	POTASSIUM	2310		23.4	23.4	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	COPPER	49.2		0.15	0.15	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	LEAD	16.3		0.3	0.36	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	ALUMINUM	9430		3.8	3.8	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	ANTIMONY	0.94	J	0.58	0.58	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	BARIUM	65.2		0.26	0.26	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	BERYLLIUM	0.18	J	0.04	0.04	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	CALCIUM	2360		27.1	27.1	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	CHROMIUM, TOTAL	47.4		0.17	0.17	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	VANADIUM	27		0.3	0.3	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	ZINC	33.5		0.32	0.32	mg/Kg	L2
SS08526-A	13488	4/7/2004	C200.7	COBALT	9.5		0.24	0.24	mg/Kg	L2
SS15145-A	05V-01	3/30/2004	SW6010B	VANADIUM	16.8		0.15	5.3538	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	CHROMIUM, TOTAL	9.9	J	0.086	1.0708	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	115		0.237	53.5	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	LYDKHN	TOTAL ORGANIC CARBON	6740		557	557	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	E350.2	NITROGEN, AMMONIA (AS N)	10.5		0.603	2.6	mg/Kg	J6

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15145-A	05V-01	3/30/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.43		0.0097	0.011	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	ALUMINUM	7430		1.9	21.4151	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	ANTIMONY	0.33	J	0.29	6.4245	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	ARSENIC	3.2		0.28	1.0708	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	BARIUM	14.7	J	0.13	21.4151	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	BORON	2.9	J	0.19	10.7076	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW8260B	ACETONE	35	J	1.86	4.5	ug/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	CALCIUM	260	J	13.6	535.378	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	ZINC	17.3	J	0.16	2.1415	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	COBALT	2.9	J	0.12	5.3538	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	COPPER	17.2		0.075	2.6769	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	IRON	9120		2.1	10.7076	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	LEAD	8.8		0.18	0.3212	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	MAGNESIUM	1150	J	9.7	535.378	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	MANGANESE	70.9		0.2	1.6061	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	MOLYBDENUM	0.75	J	0.11	1.0708	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	NICKEL	6.5		0.15	4.283	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	POTASSIUM	684	J	11.7	535.378	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	SELENIUM	0.53	J	0.39	0.5354	mg/Kg	J6
SS15145-A	05V-01	3/30/2004	SW6010B	CADMIUM	0.2	J	0.032	0.5354	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	CHROMIUM, TOTAL	16.5	J	0.085	1.056	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	CALCIUM	211	J	13.4	528.011	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	CADMIUM	0.23	J	0.032	0.528	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	BORON	2.1	J	0.19	10.5602	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	BARIUM	15.2	J	0.13	21.1204	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	ALUMINUM	11300		1.9	21.1204	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.35		0.0098	0.011	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	E350.2	NITROGEN, AMMONIA (AS N)	4.7		0.612	2.4	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	LYDKHN	TOTAL ORGANIC CARBON	4730		565	565	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	183		0.24	54.3	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	ARSENIC	3.2		0.27	1.056	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	POTASSIUM	676	J	11.5	528.011	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW8260B	ACETONE	38	J	1.69	4.1	ug/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	ZINC	14.1	J	0.16	2.112	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	SELENIUM	0.83		0.38	0.528	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	COBALT	3.2	J	0.12	5.2801	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	COPPER	19.5		0.074	2.6401	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	MOLYBDENUM	1.6		0.11	1.056	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	MANGANESE	67.2		0.2	1.584	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	MAGNESIUM	1120	J	9.5	528.011	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	LEAD	7.8		0.18	0.3168	mg/Kg	J6

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15145-A	05V-02	3/30/2004	SW6010B	NICKEL	11.7		0.15	4.2241	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	VANADIUM	16.1		0.15	5.2801	mg/Kg	J6
SS15145-A	05V-02	3/30/2004	SW6010B	IRON	8950		2	10.5602	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	BORON	1.7	J	0.19	10.7972	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	CADMIUM	0.32	J	0.032	0.5399	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	CALCIUM	209	J	13.7	539.858	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	CHROMIUM, TOTAL	9.5	J	0.086	1.0797	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	COBALT	3	J	0.12	5.3986	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	COPPER	16		0.076	2.6993	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	ALUMINUM	6690		1.9	21.5943	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	MANGANESE	67.6		0.21	1.6196	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	MOLYBDENUM	0.98	J	0.11	1.0797	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	NICKEL	9		0.15	4.3189	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	POTASSIUM	578	J	11.8	539.858	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	IRON	7920		2.1	10.7972	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	BARIUM	13	J	0.13	21.5943	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	LEAD	7.5		0.18	0.3239	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	MAGNESIUM	987	J	9.8	539.858	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	ZINC	46.8	J	0.16	2.1594	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	VANADIUM	14.1		0.15	5.3986	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW8260B	ACETONE	34	J	1.92	4.6	ug/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	SELENIUM	0.7		0.39	0.5399	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	165		0.232	40.7	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	LYDKHN	TOTAL ORGANIC CARBON	3530		546	546	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	E350.2	NITROGEN, AMMONIA (AS N)	4		0.59	2.5	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.38		0.0095	0.011	mg/Kg	J6
SS15145-A	05V-02FD	3/30/2004	SW6010B	ARSENIC	2.9		0.28	1.0797	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8270C	BENZO(G,H,I)PERYLENE	120	J	51.9	360	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	MOLYBDENUM	1.1		0.099	0.9933	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8270C	BENZO(A)ANTHRACENE	130	J	34	360	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8081A	ENDRIN KETONE	4.2		0.998	3.7	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	ZINC	16.6	J	0.15	1.9866	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8270C	BENZO(A)PYRENE	160	J	37.9	360	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	VANADIUM	12.1		0.14	4.9664	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	SELENIUM	0.6		0.36	0.4966	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	MAGNESIUM	1100	J	9	496.638	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	NICKEL	14.2		0.14	3.9731	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8270C	BENZO(K)FLUORANTHENE	290	J	42.1	360	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	MANGANESE	75.8		0.19	1.4899	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	IRON	8690		1.9	9.9328	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	LEAD	6.2		0.17	0.298	mg/Kg	J6

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15145-A	05V-03	3/30/2004	SW6010B	POTASSIUM	498	J	10.9	496.638	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	ARSENIC	2.4		0.26	0.9933	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	COPPER	40.3		0.07	2.4832	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	COBALT	3	J	0.11	4.9664	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	CHROMIUM, TOTAL	10.8	J	0.08	0.9933	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	CALCIUM	180	J	12.6	496.638	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	CADMIUM	0.29	J	0.03	0.4966	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	BORON	1.7	J	0.18	9.9328	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8270C	BENZO(B)FLUORANTHENE	390		60.9	360	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	BARIUM	11.9	J	0.12	19.8655	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8270C	CHRYSENE	250	J	28.7	360	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	SW6010B	ALUMINUM	5650		1.7	19.8655	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8260B	ACETONE	29	J	2.04	4.9	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8270C	FLUORANTHENE	100	J	79.7	360	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8270C	INDENO(1,2,3-C,D)PYRENE	120	J	71.1	360	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	SW8270C	PYRENE	150	J	82.9	360	ug/Kg	J6
SS15145-A	05V-03	3/30/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.35		0.0096	0.011	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	72.4		0.234	48.4	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	LYDKHN	TOTAL ORGANIC CARBON	2660		552	552	mg/Kg	J6
SS15145-A	05V-03	3/30/2004	E350.2	NITROGEN, AMMONIA (AS N)	4.9		0.597	2.5	mg/Kg	J6
SS15147-A	05X-01	3/24/2004	SW6010B	COBALT	7.3		0.37	5.0627	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	CHROMIUM, TOTAL	46.2		0.58	1.0125	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	CALCIUM	2040		49.8	506.273	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	CADMIUM	0.3	J	0.071	0.5063	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW8270C	BENZO(K)FLUORANTHENE	53	J	41.4	360	ug/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	MOLYBDENUM	0.79	J	0.3	1.0125	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	NICKEL	26		1.7	4.0502	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	POTASSIUM	2000		111	506.273	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	SODIUM	501	J	93.2	506.273	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	VANADIUM	20.3		0.45	5.0627	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	ZINC	16.8		0.92	2.0251	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW8082	PCB-1254 (AROCHLOR 1254)	34		3.01	18	ug/Kg	J2
SS15147-A	05X-01	3/24/2004	SW8081A	ENDRIN	4.9	J	1.35	3.6	ug/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	COPPER	29.7		0.35	2.5314	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW8270C	BENZO(B)FLUORANTHENE	66	J	59.8	360	ug/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	BARIUM	58.3		1.9	20.2509	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW8270C	CHRYSENE	80	J	28.2	360	ug/Kg	J2
SS15147-A	05X-01	3/24/2004	SW8270C	FLUORANTHENE	150	J	78.3	360	ug/Kg	J2
SS15147-A	05X-01	3/24/2004	SW8270C	PYRENE	130	J	81.5	360	ug/Kg	J2
SS15147-A	05X-01	3/24/2004	SW8260B	ACETONE	84		2.02	4.9	ug/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	MAGNESIUM	6600		49.1	506.273	mg/Kg	J2

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15147-A	05X-01	3/24/2004	SW6010B	LEAD	4.9	J	0.26	0.3038	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.53		0.0094	0.011	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	IRON	10500		4.3	10.1255	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW8270C	BENZO(A)ANTHRACENE	56	J	33.4	360	ug/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	ALUMINUM	7700		6.3	20.2509	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	MANGANESE	140		0.19	1.5188	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	E350.2	NITROGEN, AMMONIA (AS N)	3.6		0.587	2.4	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	LYDKHN	TOTAL ORGANIC CARBON	2760		542	542	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	338		0.23	44.4	mg/Kg	J2
SS15147-A	05X-01	3/24/2004	SW6010B	ARSENIC	1.3		0.53	1.0125	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW8260B	ACETONE	46		1.96	4.7	ug/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	IRON	5230		4.1	9.6456	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	LEAD	6.3	J	0.25	0.2894	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	MAGNESIUM	634		46.8	482.281	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	MANGANESE	69.3		0.18	1.4468	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	MOLYBDENUM	0.36	J	0.29	0.9646	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	POTASSIUM	395	J	106	482.281	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	COPPER	5		0.34	2.4114	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	ZINC	9.5		0.88	1.9291	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	NICKEL	3.2	J	1.6	3.8582	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	VANADIUM	9.7		0.42	4.8228	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	ALUMINUM	3770		6	19.2912	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	SODIUM	149	J	88.7	482.281	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	LYDKHN	TOTAL ORGANIC CARBON	2240		536	536	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	COBALT	1.7	J	0.36	4.8228	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	53.5		0.228	44.6	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.57		0.0093	0.011	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	ARSENIC	2.6		0.5	0.9646	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	BORON	1.9	J	1.1	9.6456	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	CHROMIUM, TOTAL	5.4		0.55	0.9646	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	CALCIUM	165	J	47.4	482.281	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	E350.2	NITROGEN, AMMONIA (AS N)	3.4		0.58	2.6	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	CADMIUM	0.18	J	0.068	0.4823	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	BERYLLIUM	0.2	J	0.097	0.4823	mg/Kg	J2
SS15147-A	05X-02	3/24/2004	SW6010B	BARIUM	8	J	1.8	19.2912	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	CALCIUM	114	J	44.7	455.622	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	MANGANESE	58.7		0.17	1.3669	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	NICKEL	2.6	J	1.5	3.645	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.21		0.0093	0.011	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	MOLYBDENUM	0.4	J	0.27	0.9112	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	COPPER	3.8		0.32	2.2781	mg/Kg	J2

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15147-A	05X-03	3/24/2004	SW6010B	COBALT	1.3	J	0.34	4.5562	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	CHROMIUM, TOTAL	4.6		0.52	0.9112	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	LEAD	5.2	J	0.24	0.2734	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	CADMIUM	0.15	J	0.064	0.4556	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	BORON	1.5	J	1.1	9.1124	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	BERYLLIUM	0.18	J	0.091	0.4556	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	BARIUM	6.4	J	1.7	18.2249	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	ALUMINUM	3190		5.7	18.2249	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	E350.2	NITROGEN, AMMONIA (AS N)	2.6		0.581	2.5	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	LYDKHN	TOTAL ORGANIC CARBON	1780		538	538	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	106		0.0456	7.6	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	POTASSIUM	315	J	100	455.622	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	MAGNESIUM	583		44.2	455.622	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	ARSENIC	2.2		0.47	0.9112	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	VANADIUM	8.9		0.4	4.5562	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	ZINC	7.7		0.83	1.8225	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	IRON	4790		3.9	9.1124	mg/Kg	J2
SS15147-A	05X-03	3/24/2004	SW6010B	SODIUM	130	J	83.8	455.622	mg/Kg	J2
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	ALUMINUM	6890		2	23.2019	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW8270C	NAPHTHALENE	44	J	34.6	380	ug/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	BARIUM	10.2	J	0.14	23.2019	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW9012A	CYANIDE	1.1		0.49	0.49	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	ARSENIC	3		0.3	1.1601	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	COBALT	1.2	J	0.13	5.8005	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	CADMIUM	0.42	J	0.035	0.58	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	CALCIUM	380	J	14.7	580.046	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	CHROMIUM, TOTAL	6.5		0.093	1.1601	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	BERYLLIUM	0.18	J	0.023	0.58	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	MOLYBDENUM	0.83	J	0.12	1.1601	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	NICKEL	2.8	J	0.16	4.6404	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	COPPER	143		0.081	2.9002	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	MANGANESE	42		0.22	1.7401	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	POTASSIUM	215	J	12.7	580.046	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	SELENIUM	0.6		0.42	0.58	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	VANADIUM	14		0.16	5.8005	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	ZINC	19.8		0.17	2.3202	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	LEAD	29.9		0.2	0.348	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	IRON	9760		2.2	11.6009	mg/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW8270C	BENZOIC ACID	440	J	143	960	ug/Kg	
SS15226-A	ECC041304J101 (po_c)	4/30/2004	SW6010B	MAGNESIUM	508	J	10.5	580.046	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	VANADIUM	16.1		0.15	5.3651	mg/Kg	

J - Estimated
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	CADMIUM	0.35	J	0.032	0.5365	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	CALCIUM	205	J	13.6	536.51	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	CHROMIUM, TOTAL	10.3		0.086	1.073	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	COBALT	2.1	J	0.12	5.3651	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	COPPER	37.9		0.075	2.6825	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	IRON	11500		2.1	10.7302	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	LEAD	9.8		0.18	0.3219	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	MAGNESIUM	936		9.7	536.51	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	MANGANESE	57.9		0.2	1.6095	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	MOLYBDENUM	1	J	0.11	1.073	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	NICKEL	5.1		0.15	4.2921	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	SELENIUM	0.45	J	0.39	0.5365	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	ZINC	17.5		0.16	2.146	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	POTASSIUM	287	J	11.7	536.51	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	ARSENIC	3.3		0.28	1.073	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	ALUMINUM	10900		1.9	21.4604	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	BARIUM	11.2	J	0.13	21.4604	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	BERYLLIUM	0.24	J	0.021	0.5365	mg/Kg	
SS15226-A	ECC041304J101 (pre)	4/29/2004	SW6010B	BORON	6.1	J	0.19	10.7302	mg/Kg	
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	POTASSIUM	180	J	11.6	528.798	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	COPPER	78.7		0.074	2.644	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	COBALT	0.88	J	0.12	5.288	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	CHROMIUM, TOTAL	5.7		0.085	1.0576	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	CALCIUM	162	J	13.4	528.798	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	IRON	6290		2	10.576	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	LEAD	23.7		0.18	0.3173	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	MAGNESIUM	438	J	9.6	528.798	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	NICKEL	2.4	J	0.15	4.2304	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	BARIUM	6.5	J	0.13	21.1519	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	MANGANESE	33.5		0.2	1.5864	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	ALUMINUM	6260		1.9	21.1519	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	BERYLLIUM	0.17	J	0.021	0.5288	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	CADMIUM	0.038	J	0.032	0.5288	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	ZINC	9.6		0.16	2.1152	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	VANADIUM	10.3		0.15	5.288	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW6010B	SELENIUM	0.65		0.38	0.5288	mg/Kg	J6
SS15229-A	ECC041604J101 (po_c)	4/30/2004	SW9012A	CYANIDE	0.81		0.5	0.5	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	MAGNESIUM	821		9.5	524.307	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	CHROMIUM, TOTAL	6.9		0.084	1.0486	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	ALUMINUM	7230		1.8	20.9723	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	ARSENIC	1.9		0.27	1.0486	mg/Kg	J6

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	BARIUM	13.1	J	0.13	20.9723	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	BERYLLIUM	0.16	J	0.021	0.5243	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	CALCIUM	249	J	13.3	524.307	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	COPPER	2.4	J	0.073	2.6215	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	LEAD	5.9		0.18	0.3146	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	MANGANESE	49.5		0.2	1.5729	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	NICKEL	3.2	J	0.15	4.1945	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	POTASSIUM	384	J	11.5	524.307	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	SELENIUM	0.45	J	0.38	0.5243	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	VANADIUM	11.2		0.15	5.2431	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	ZINC	9.5		0.16	2.0972	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	COBALT	1.4	J	0.12	5.2431	mg/Kg	J6
SS15229-A	ECC041604J101 (pre)	4/29/2004	SW6010B	IRON	5940		2	10.4861	mg/Kg	J6
SS15230-A	SS15230A_PE1	9/12/2006	SW6010B	COPPER	4.7		0.1	2.0955	mg/Kg	
SS15230-A	SS15230A_PE1	9/12/2006	SW6010B	LEAD	7.4		0.23	0.8382	mg/Kg	
SS15230-A	SS15230A_PE2	9/12/2006	SW6010B	LEAD	7.7		0.22	0.8059	mg/Kg	
SS15230-A	SS15230A_PE2	9/12/2006	SW6010B	COPPER	9.4		0.097	2.0148	mg/Kg	
SS15230-A	SS15230A_PE3	9/12/2006	SW6010B	LEAD	11.9		0.23	0.8496	mg/Kg	
SS15230-A	SS15230A_PE3	9/12/2006	SW6010B	COPPER	7.2		0.1	2.124	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	COBALT	2.9	J	0.28	5.1329	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	ALUMINUM	3540		9	20.5318	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	ARSENIC	1.2		0.43	1.0266	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	BARIUM	19.1	J	0.86	20.5318	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	BERYLLIUM	0.22	J	0.021	0.5133	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	LEAD	3.5		0.3	0.308	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	CHROMIUM, TOTAL	4.4		0.12	1.0266	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	COPPER	5.1		0.27	2.5665	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	IRON	6230		3.9	10.2659	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	MAGNESIUM	1270		21.6	513.294	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	MANGANESE	130		0.072	1.5399	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	MOLYBDENUM	0.21	J	0.21	1.0266	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	CALCIUM	375	J	21.7	513.294	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	NICKEL	3.5	J	0.31	4.1064	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	POTASSIUM	786		43.6	513.294	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	VANADIUM	10		0.28	5.1329	mg/Kg	
SS15230-A	SS15230-SS1	4/11/2005	SW6010B	ZINC	13.9		0.16	2.0532	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	CHROMIUM, TOTAL	4.8		0.12	1.022	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	COBALT	2.6	J	0.28	5.1099	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	COPPER	4.7		0.27	2.5549	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	IRON	5510		3.9	10.2197	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	LEAD	3.2		0.3	0.3066	mg/Kg	

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	MAGNESIUM	996		21.5	510.986	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	MANGANESE	109		0.071	1.533	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	CALCIUM	336	J	21.6	510.986	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	NICKEL	3.8	J	0.31	4.0879	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	POTASSIUM	530		43.4	510.986	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	VANADIUM	8.1		0.28	5.1099	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	MOLYBDENUM	0.3	J	0.2	1.022	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	ANTIMONY	0.49	J	0.42	6.1318	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	BERYLLIUM	0.19	J	0.02	0.511	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	BARIUM	13.1	J	0.86	20.4394	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	ARSENIC	1.7		0.43	1.022	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	BORON	2.3	J	0.48	10.2197	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	ZINC	13.7		0.16	2.0439	mg/Kg	
SS15230-A	SS15230-SS1 FD	4/11/2005	SW6010B	ALUMINUM	3060		9	20.4394	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	IRON	6510		4.5	11.7433	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	MAGNESIUM	766		24.7	587.165	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	MANGANESE	46.9		0.082	1.7615	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	COBALT	1.6	J	0.32	5.8716	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	NICKEL	4	J	0.35	4.6973	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	COPPER	5.1		0.31	2.9358	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	POTASSIUM	320	J	49.9	587.165	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	SELENIUM	0.63		0.45	0.5872	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	VANADIUM	15.1		0.32	5.8716	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	ZINC	13.1		0.19	2.3487	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	MOLYBDENUM	0.65	J	0.23	1.1743	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	BERYLLIUM	0.19	J	0.024	0.5872	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	BARIUM	11.3	J	0.99	23.4866	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	ARSENIC	2.4		0.49	1.1743	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	ANTIMONY	0.68	J	0.48	7.046	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	ALUMINUM	5850		10.3	23.4866	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	LEAD	11.5		0.34	0.3523	mg/Kg	
SS15230-A	SS15230-SS2	4/11/2005	SW6010B	CHROMIUM, TOTAL	7.5		0.14	1.1743	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	LEAD	24.2		0.35	0.3601	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	BERYLLIUM	0.23	J	0.024	0.6002	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	CHROMIUM, TOTAL	8.1		0.14	1.2005	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	COBALT	2	J	0.32	6.0024	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	BARIUM	10.1	J	1	24.0096	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	IRON	7700		4.5	12.0048	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	VANADIUM	16.7		0.32	6.0024	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	MAGNESIUM	1020		25.2	600.24	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	COPPER	11		0.31	3.0012	mg/Kg	

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	ARSENIC	2.5		0.5	1.2005	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	ZINC	14.1		0.19	2.401	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	SODIUM	165	J	58.6	600.24	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	POTASSIUM	319	J	51	600.24	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	NICKEL	5.3		0.36	4.8019	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	MOLYBDENUM	0.7	J	0.24	1.2005	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	MANGANESE	51.8		0.084	1.8007	mg/Kg	
SS15230-A	SS15230-SS3	4/11/2005	SW6010B	ALUMINUM	5110		10.6	24.0096	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	NICKEL	6.7		0.28	3.7569	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	COBALT	4.1	J	0.25	4.6962	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	ZINC	33.9		0.15	1.8785	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	VANADIUM	14		0.25	4.6962	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	POTASSIUM	584		39.9	469.616	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	MOLYBDENUM	0.49	J	0.19	0.9392	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	MAGNESIUM	1480		19.7	469.616	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	LEAD	8.6		0.27	0.2818	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	MANGANESE	170		0.066	1.4088	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	COPPER	17.3		0.24	2.3481	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	ALUMINUM	5810		8.3	18.7846	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	CHROMIUM, TOTAL	10.4		0.11	0.9392	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	CALCIUM	549		19.8	469.616	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	BORON	1.2	J	1.2	9.3923	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	BERYLLIUM	0.29	J	0.019	0.4696	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	BARIUM	16.5	J	0.79	18.7846	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	ARSENIC	2.9		0.39	0.9392	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	ANTIMONY	0.57	J	0.39	5.6354	mg/Kg	
SS15230-A	SS15230-SS4	4/11/2005	SW6010B	IRON	9260		3.6	9.3923	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	COPPER	11.3		0.23	2.2409	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	MANGANESE	177		0.063	1.3445	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	ARSENIC	2.3		0.38	0.8964	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	BARIUM	20.7		0.75	17.9273	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	BERYLLIUM	0.27	J	0.018	0.4482	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	BORON	2.9	J	0.42	8.9636	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	CALCIUM	567		18.9	448.181	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	COBALT	4	J	0.24	4.4818	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	ANTIMONY	0.62	J	0.37	5.3782	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	LEAD	7.9		0.26	0.2689	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	MAGNESIUM	1700		18.8	448.181	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	NICKEL	7.3		0.27	3.5855	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	CHROMIUM, TOTAL	10.7		0.11	0.8964	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	POTASSIUM	813		38.1	448.181	mg/Kg	

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	SELENIUM	0.38	J	0.34	0.4482	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	VANADIUM	13.1		0.24	4.4818	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	ZINC	22.1		0.14	1.7927	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	ALUMINUM	5520		7.9	17.9273	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	IRON	8880		3.4	8.9636	mg/Kg	
SS15230-A	SS15230-SS4 FD	4/11/2005	SW6010B	MOLYBDENUM	0.46	J	0.18	0.8964	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	MANGANESE	76		0.065	1.3934	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	ZINC	14		0.15	1.8579	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	ALUMINUM	4180		8.2	18.5791	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	VANADIUM	11.9		0.25	4.6448	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	POTASSIUM	263	J	39.4	464.477	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	MOLYBDENUM	0.61	J	0.19	0.929	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	MAGNESIUM	1300		19.5	464.477	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	LEAD	9.4		0.27	0.2787	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	BERYLLIUM	0.19	J	0.019	0.4645	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	ANTIMONY	0.49	J	0.38	5.5737	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	ARSENIC	2.1		0.39	0.929	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	NICKEL	5.7		0.28	3.7158	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	BARIUM	8.2	J	0.78	18.5791	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	CHROMIUM, TOTAL	8.1		0.11	0.929	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	COBALT	2.3	J	0.25	4.6448	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	COPPER	8.2		0.24	2.3224	mg/Kg	
SS15230-A	SS15230-SS5	4/12/2005	SW6010B	IRON	7210		3.5	9.2895	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	LEAD	36.7		0.42	0.4322	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	ZINC	33.9		0.23	2.8816	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	ALUMINUM	11700		12.7	28.8164	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	SELENIUM	1.4		0.55	0.7204	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	NICKEL	15.1		0.43	5.7633	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	MOLYBDENUM	1.4	J	0.29	1.4408	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW7471A	MERCURY	0.056		0.02	0.0478	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	MANGANESE	184		0.1	2.1612	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	MAGNESIUM	2510		30.3	720.409	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	POTASSIUM	504	J	61.2	720.409	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	IRON	13800		5.5	14.4082	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	COPPER	21.6		0.37	3.602	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	COBALT	4.4	J	0.39	7.2041	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	CHROMIUM, TOTAL	28		0.17	1.4408	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	CALCIUM	805		30.4	720.409	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	BERYLLIUM	0.34	J	0.029	0.7204	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	BARIUM	37.4		1.2	28.8164	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	ANTIMONY	0.85	J	0.59	8.6449	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	VANADIUM	30.6		0.39	7.2041	mg/Kg	
SS15230-A	SS15230-SS6	4/11/2005	SW6010B	ARSENIC	4.5		0.61	1.4408	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	LEAD	25.6		0.33	0.3366	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	MOLYBDENUM	1	J	0.22	1.122	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	COPPER	14.4		0.29	2.805	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	ALUMINUM	5310		9.9	22.4396	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	VANADIUM	15.9		0.3	5.6099	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	SELENIUM	0.47	J	0.43	0.561	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	NICKEL	5.6		0.34	4.4879	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	ZINC	13.9		0.18	2.244	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW7471A	MERCURY	0.044		0.017	0.0412	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	MANGANESE	76.3		0.079	1.683	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	BARIUM	9.4	J	0.94	22.4396	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	ANTIMONY	0.49	J	0.46	6.7319	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	POTASSIUM	329	J	47.6	560.991	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	ARSENIC	2.9		0.47	1.122	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	MAGNESIUM	1070		23.6	560.991	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	BERYLLIUM	0.24	J	0.022	0.561	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	CHROMIUM, TOTAL	8.2		0.13	1.122	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	COBALT	2.4	J	0.3	5.6099	mg/Kg	
SS15230-A	SS15230-SS7	4/11/2005	SW6010B	IRON	8130		4.3	11.2198	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	LEAD	4.7		0.26	0.2695	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	ZINC	15.5		0.14	1.7966	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	POTASSIUM	683		38.1	449.156	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	NICKEL	8.5		0.27	3.5932	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	MOLYBDENUM	0.3	J	0.18	0.8983	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	MANGANESE	144		0.063	1.3475	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	MAGNESIUM	1910		18.9	449.156	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	VANADIUM	11.6		0.24	4.4916	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	IRON	7840		3.4	8.9831	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	COPPER	7.9		0.23	2.2458	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	COBALT	4.1	J	0.24	4.4916	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	CHROMIUM, TOTAL	9.5		0.11	0.8983	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	CALCIUM	361	J	19	449.156	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	BERYLLIUM	0.24	J	0.018	0.4492	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	ARSENIC	1.7		0.38	0.8983	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	ALUMINUM	4570		7.9	17.9662	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	BARIUM	25.6		0.75	17.9662	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	ANTIMONY	0.58	J	0.37	5.3899	mg/Kg	
SS15230-A	SS15230-SS8	4/11/2005	SW6010B	BORON	2.5	J	0.42	8.9831	mg/Kg	
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	CALCIUM	394	J	14.3	563.698	mg/Kg	J5

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW8270C	NAPHTHALENE	51	J	33.6	370	ug/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW9012A	CYANIDE	1.6		0.51	0.51	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW8270C	PHENANTHRENE	38	J	29.7	370	ug/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	ALUMINUM	8580		2	22.5479	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	ARSENIC	2.9		0.29	1.1274	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	BARIUM	11.2	J	0.14	22.5479	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	CADMIUM	0.18	J	0.034	0.5637	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	CHROMIUM, TOTAL	9.4		0.09	1.1274	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	COBALT	2.1	J	0.12	5.637	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	COPPER	380		0.079	2.8185	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	IRON	10500		2.2	11.274	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	SELENIUM	2		0.41	0.5637	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	BERYLLIUM	0.21	J	0.022	0.5637	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	LEAD	105		0.19	0.3382	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW8270C	ACENAPHTHYLENE	29	J	23	370	ug/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	VANADIUM	13.7		0.16	5.637	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	POTASSIUM	352	J	12.3	563.698	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	NICKEL	5.2		0.16	4.5096	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	MOLYBDENUM	0.86	J	0.11	1.1274	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	MANGANESE	80.5		0.21	1.6911	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	MAGNESIUM	1010		10.2	563.698	mg/Kg	J5
SS15231-A	ECC042204J101 (po_c)	4/30/2004	SW6010B	ZINC	40.6		0.17	2.2548	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	CADMIUM	0.15	J	0.035	0.5889	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	MOLYBDENUM	1.1	J	0.12	1.1779	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	NICKEL	5		0.16	4.7114	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	CALCIUM	119	J	14.9	588.928	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	CHROMIUM, TOTAL	11.6		0.094	1.1779	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	COBALT	1.9	J	0.13	5.8893	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	SELENIUM	0.5	J	0.42	0.5889	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	COPPER	6.6		0.082	2.9446	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	IRON	12900		2.3	11.7786	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	LEAD	12		0.2	0.3534	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	MANGANESE	44.3		0.22	1.7668	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	BORON	5.5	J	0.21	11.7786	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	MAGNESIUM	792		10.6	588.928	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	BERYLLIUM	0.24	J	0.024	0.5889	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	BARIUM	12.8	J	0.14	23.5571	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	ARSENIC	3.8		0.31	1.1779	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	VANADIUM	17.8		0.16	5.8893	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	ZINC	12.3		0.18	2.3557	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	POTASSIUM	270	J	12.9	588.928	mg/Kg	J5

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	ANTIMONY	0.37	J	0.32	7.0671	mg/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX	130		1.24	13	ug/Kg	J5
SS15231-A	ECC042204J101 (pre)	4/29/2004	SW6010B	ALUMINUM	11400		2.1	23.5571	mg/Kg	J5
SSJ1DP1	AK003	9/29/2000	CL200.7	ARSENIC	1.9	J	0.653	0.653	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	IRON	7180		3.29	3.29	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	COPPER	7.4	J	0.28	0.28	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	COBALT	3		0.249	0.249	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	CHROMIUM, TOTAL	5.3	J	0.14	0.171	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	CALCIUM	176		26.5	26.5	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	BORON	2.8		0.63	0.839	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	LEAD	6.9		0.28	0.28	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	BARIUM	10.9		0.637	0.637	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.1	J	0.02	0.02	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	ALUMINUM	5340		1.93	1.93	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.27		0.01	0.01	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	3250	J	0	0	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	BERYLLIUM	0.24		0.0155	0.0155	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CVOL	ACETONE	19	J	4.34	6	ug/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	MAGNESIUM	1090		28.1	32.3	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	105		0.01	0.01	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	6	ug/Kg	K1
SSJ1DP1	AK003	9/29/2000	SW8270	PYRENE	25	J	25	350	ug/Kg	K1
SSJ1DP1	AK003	9/29/2000	SW8270	FLUORANTHENE	32	J	32	350	ug/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	ZINC	17.3		0.29	0.544	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	VANADIUM	11.3		0.311	0.311	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	THALLIUM	0.79	J	0.64	0.699	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	POTASSIUM	402		28.2	28.2	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	NICKEL	3.5	J	0.3	0.326	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CL200.7	MANGANESE	95.4		0.0622	0.0622	mg/Kg	K1
SSJ1DP1	AK003	9/29/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg	K1
SSJ1DP1S	AK004	9/29/2000	CL200.7	NICKEL	3.5	J	0.3	0.396	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	CHROMIUM, TOTAL	6.6	J	0.14	0.207	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	ARSENIC	2	J	0.75	0.792	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	BARIUM	8.5		0.773	0.773	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	BERYLLIUM	0.19		0.0189	0.0189	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	BORON	3.4		0.63	1.02	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	CALCIUM	191		29	32.2	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	COBALT	2.9		0.26	0.302	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	COPPER	12.5		0.339	0.339	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	IRON	8080		4	4	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	LEAD	6.7		0.32	0.339	mg/Kg	L1

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1DP1S	AK004	9/29/2000	CL200.7	ALUMINUM	6530		2.34	2.34	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	MANGANESE	70.4		0.0754	0.0754	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	SW8270	FLUORANTHENE	51	J	51	360	ug/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	POTASSIUM	435		34.3	34.3	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	MAGNESIUM	1070		28.1	39.2	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	SW8270	BENZO(K)FLUORANTHENE	24	J	24	360	ug/Kg	L1
SSJ1DP1S	AK004	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92.1		0.01	0.01	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	4650	J	0	0	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.4	J	0.02	0.02	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	ZINC	33.1		0.29	0.66	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	SW8270	BENZO(A)ANTHRACENE	22	J	22	360	ug/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CVOL	ACETONE	96	J	4.34	7	ug/Kg	L1
SSJ1DP1S	AK004	9/29/2000	SW8270	BENZO(B)FLUORANTHENE	19	J	19	360	ug/Kg	L1
SSJ1DP1S	AK004	9/29/2000	SW8270	CHRYSENE	22	J	22	360	ug/Kg	L1
SSJ1DP1S	AK004	9/29/2000	SW8270	PYRENE	35	J	35	360	ug/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	1.8	7	ug/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CVOL	TOLUENE	2	J	0.32	7	ug/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CL200.7	VANADIUM	12.6		0.36	0.377	mg/Kg	L1
SSJ1DP1S	AK004	9/29/2000	CVOL	XYLENES, TOTAL	2	J	0.93	7	ug/Kg	L1
SSJ1DP1S	AK004	9/29/2000	SW8270	BENZO(A)PYRENE	19	J	19	360	ug/Kg	L1
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	COBALT	1.6	J	0.05	3.7625	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	COPPER	4		0.12	1.8813	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	IRON	11700	J	1.2	15.05	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	LEAD	5.7	J	0.12	0.7525	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	ANTIMONY	0.63	J	0.17	4.515	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	CHROMIUM, TOTAL	4.3	J	0.02	0.7525	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	CALCIUM	134	J	6.2	376.251	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	CADMIUM	0.14	J	0.03	0.3763	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	BERYLLIUM	0.4		0.02	0.3763	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	ARSENIC	7	J	0.16	0.7525	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	MOLYBDENUM	3.8	J	0.03	0.7525	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	ALUMINUM	2640		2.2	15.05	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	BARIUM	6.5	J	0.86	15.05	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	NICKEL	2.8	J	0.08	3.01	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	POTASSIUM	266	J	6.2	376.251	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	SODIUM	12.7	J	3.6	376.251	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	VANADIUM	10.1		0.07	3.7625	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	ZINC	15.6	J	0.04	1.505	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	MANGANESE	55.2		0.02	1.1288	mg/Kg	K4
SSJ1K4001	J1K4002_POST	5/16/2007	SW6010B	MAGNESIUM	567		9.6	376.251	mg/Kg	K4
SSJ1L0002	J1L0002_SS1	9/24/2007	SW6010B	COPPER	2.4		0.038	1.9148	mg/Kg	L0

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1L0002	J1L0002_SS1	9/24/2007	SW6010B	LEAD	6.3		0.061	0.7659	mg/Kg	L0
SSJ1L0002	J1L0002_SS2	9/24/2007	SW6010B	COPPER	2.6		0.038	1.9214	mg/Kg	L0
SSJ1L0002	J1L0002_SS2	9/24/2007	SW6010B	LEAD	10.3		0.061	0.7686	mg/Kg	L0
SSJ1L0002	J1L0002_SS3	9/24/2007	SW6010B	LEAD	4.9		0.061	0.7618	mg/Kg	L0
SSJ1L0002	J1L0002_SS3	9/24/2007	SW6010B	COPPER	2.4		0.038	1.9045	mg/Kg	L0
SSJ1L0002	J1L0002_SS4	9/24/2007	SW6010B	COPPER	7.9		0.046	2.2791	mg/Kg	L0
SSJ1L0002	J1L0002_SS4	9/24/2007	SW6010B	LEAD	46.2		0.073	0.9116	mg/Kg	L0
SSJ1L0002	J1L0002_SS5	9/24/2007	SW6010B	COPPER	2.6		0.041	2.0431	mg/Kg	L0
SSJ1L0002	J1L0002_SS5	9/24/2007	SW6010B	LEAD	6.3		0.065	0.8172	mg/Kg	L0
SSJ1L0002	J1L0002_SS6	9/24/2007	SW6010B	COPPER	2.3		0.038	1.9111	mg/Kg	L0
SSJ1L0002	J1L0002_SS6	9/24/2007	SW6010B	LEAD	10		0.061	0.7644	mg/Kg	L0
SSJ1L0002	J1L0002_SS7	9/24/2007	SW6010B	COPPER	10.5		0.045	2.2556	mg/Kg	L0
SSJ1L0002	J1L0002_SS7	9/24/2007	SW6010B	LEAD	54.4		0.072	0.9022	mg/Kg	L0
SSJ1L0002	J1L0002_SS8	9/24/2007	SW6010B	LEAD	12.9		0.072	0.9024	mg/Kg	L0
SSJ1L0002	J1L0002_SS8	9/24/2007	SW6010B	COPPER	2.5		0.045	2.256	mg/Kg	L0
SSJ1L0001	J1L0001_SS1	9/24/2007	SW6010B	CADMIUM	0.13	J	0.009	0.442	mg/Kg	L0
SSJ1L0001	J1L0001_SS1	9/24/2007	SW6010B	COPPER	8.7		0.044	2.21	mg/Kg	L0
SSJ1L0001	J1L0001_SS2	9/24/2007	SW6010B	COPPER	5.9		0.038	1.9142	mg/Kg	L0
SSJ1L0001	J1L0001_SS2	9/24/2007	SW6010B	CADMIUM	0.009	J	0.008	0.3828	mg/Kg	L0
SSJ1L0001	J1L0001_SS3	9/24/2007	SW6010B	CADMIUM	0.029	J	0.012	0.576	mg/Kg	L0
SSJ1L0001	J1L0001_SS3	9/24/2007	SW6010B	COPPER	5.8		0.058	2.88	mg/Kg	L0
SSJ1L0001	J1L0001_SS4	9/24/2007	SW6010B	CADMIUM	0.082	J	0.009	0.4369	mg/Kg	L0
SSJ1L0001	J1L0001_SS4	9/24/2007	SW6010B	COPPER	9.8		0.044	2.1846	mg/Kg	L0
SSJ1L0001	J1L0001_SS5	9/24/2007	SW6010B	CADMIUM	0.012	J	0.008	0.4219	mg/Kg	L0
SSJ1L0001	J1L0001_SS5	9/24/2007	SW6010B	COPPER	7.1		0.042	2.1097	mg/Kg	L0
SSJ1L0001	J1L0001_SS6	9/24/2007	SW6010B	COPPER	1.9	J	0.039	1.931	mg/Kg	L0
SSJ1L0001	J1L0001_SS7	9/24/2007	SW6010B	CADMIUM	0.1	J	0.009	0.4277	mg/Kg	L0
SSJ1L0001	J1L0001_SS7	9/24/2007	SW6010B	COPPER	5.6		0.043	2.1384	mg/Kg	L0
SSJ1L0001	J1L0001_SS8	9/24/2007	SW6010B	COPPER	3.2		0.044	2.1761	mg/Kg	L0
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	ANTIMONY	0.68	J	0.18	4.8588	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	COPPER	6.4		0.13	2.0245	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	COBALT	2.1	J	0.06	4.049	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	CHROMIUM, TOTAL	9.9		0.02	0.8098	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	CALCIUM	266	J	6.7	404.898	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	CADMIUM	0.11	J	0.03	0.4049	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	BORON	1.6	J	0.12	8.098	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	IRON	8070		1.3	16.1959	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	ARSENIC	3		0.17	0.8098	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	MAGNESIUM	883		10.4	404.898	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	OCTACHLORODIBENZO-P-DIOXIN	1600		0.16	11	PG/G	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	OCTACHLORODIBENZOFURAN	9.8	J	0.094	11	PG/G	L1

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	2.3	J	0.075	5.5	PG/G	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.6		0.19	1.1	PG/G	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	BARIUM	10.3	J	0.93	16.1959	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	SODIUM	20.5	J	3.9	404.898	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	ZINC	13.5		0.04	1.6196	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	13		0.15	5.5	PG/G	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.9	J	0.077	5.5	PG/G	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.48	J	0.059	5.5	PG/G	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.39	J	0.091	5.5	PG/G	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	27		0.15	5.5	PG/G	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	LEAD	6.4		0.13	0.8098	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	VANADIUM	12.2		0.07	4.049	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	1.1	J	0.064	5.5	PG/G	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	NICKEL	9.9		0.08	3.2392	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	MOLYBDENUM	0.74	J	0.03	0.8098	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	MANGANESE	84.9		0.02	1.2147	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1.4	J	0.095	5.5	PG/G	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW6010B	ALUMINUM	6010		2.4	16.1959	mg/Kg	L1
SSJ1L1BNP001	J1L1BNP001	4/24/2007	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	7.5	J	0.089	5.5	PG/G	L1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	BORON	1.7	J	0.12	8.1285	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	IRON	12300		1.3	16.257	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	MAGNESIUM	1280		10.4	406.425	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW8270C	PHENOL	38	J	23.6	350	ug/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	ZINC	18.5		0.04	1.6257	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	VANADIUM	14.2		0.07	4.0642	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	SODIUM	31	J	3.9	406.425	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	POTASSIUM	459		6.7	406.425	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	NICKEL	5.4		0.08	3.2514	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	BARIUM	9.6	J	0.93	16.257	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	LEAD	5.9		0.13	0.8128	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	ALUMINUM	4800		2.4	16.257	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	COPPER	420		1.3	20.3212	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	COBALT	3.1	J	0.06	4.0642	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	CHROMIUM, TOTAL	8		0.02	0.8128	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	CALCIUM	625		6.8	406.425	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	BERYLLIUM	0.23	J	0.02	0.4064	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	ARSENIC	3.5		0.17	0.8128	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	ANTIMONY	0.83	J	0.18	4.8771	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	MANGANESE	141		0.02	1.2193	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (post)	5/17/2007	SW6010B	MOLYBDENUM	0.33	J	0.03	0.8128	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	MANGANESE	117		0.02	1.472	mg/Kg	M1

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	ALUMINUM	14500		2.9	19.6263	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	ANTIMONY	0.96	J	0.22	5.8879	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	ARSENIC	6.9		0.21	0.9813	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	BARIUM	22.5		1.1	19.6263	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	BERYLLIUM	0.29	J	0.02	0.4907	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	BORON	5.1	J	0.15	9.8132	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	CALCIUM	281	J	8.2	490.658	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	CHROMIUM, TOTAL	20.3		0.03	0.9813	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	COBALT	4.8	J	0.07	4.9066	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	COPPER	7.5		0.16	2.4533	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	IRON	18200		1.6	19.6263	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	MAGNESIUM	3020		12.6	490.658	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	VANADIUM	29.3		0.09	4.9066	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	LEAD	8.5		0.16	0.9813	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	ZINC	28.6		0.05	1.9626	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	SODIUM	45.4	J	4.7	490.658	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	POTASSIUM	943		8.1	490.658	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	NICKEL	10.3		0.1	3.9253	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW6010B	MOLYBDENUM	0.58	J	0.04	0.9813	mg/Kg	M1
SSJ1M1002	ECC050907J1SUP01 (pre)	5/17/2007	SW7471A	MERCURY	0.021	J	0.017	0.0409	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	COPPER	586		2.3	20.4972	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	CADMIUM	0.1	J	0.049	0.4099	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	ARSENIC	3.5	J	0.29	0.8199	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	BARIUM	11.5	J	0.51	16.3977	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	BERYLLIUM	0.34	J	0.016	0.4099	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	BORON	2.3	J	0.61	8.1989	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	CALCIUM	789		13.3	409.944	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	ALUMINUM	5730		2.6	16.3977	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	VANADIUM	14.5		0.27	4.0994	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	CHROMIUM, TOTAL	7.8		0.15	0.8199	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	COBALT	3.4	J	0.18	4.0994	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	ZINC	18		0.19	1.6398	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	POTASSIUM	541		15.1	409.944	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	NICKEL	5.2		0.22	3.2795	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	MOLYBDENUM	0.34	J	0.18	0.8199	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	MANGANESE	145	J	0.049	1.2298	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	MAGNESIUM	1710		13.2	409.944	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	LEAD	7		0.24	0.8199	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW6010B	IRON	10300		1.3	16.3977	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(post)	6/6/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	20.6	360	ug/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	BARIUM	7.5	J	0.52	16.7224	mg/Kg	M1

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	LEAD	6.1		0.24	0.8361	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	ZINC	13.3		0.19	1.6722	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	VANADIUM	9		0.28	4.1806	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	POTASSIUM	335	J	15.4	418.06	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	28	J	20.7	360	ug/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	NICKEL	4.2		0.23	3.3445	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	MOLYBDENUM	0.54	J	0.18	0.8361	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	MANGANESE	143	J	0.05	1.2542	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	COPPER	4.5		0.23	2.0903	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	COBALT	2.9	J	0.18	4.1806	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	CHROMIUM, TOTAL	9.5		0.15	0.8361	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	CALCIUM	112	J	13.6	418.06	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	BORON	1.2	J	0.63	8.3612	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	ARSENIC	2.2	J	0.29	0.8361	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	ALUMINUM	3950		2.7	16.7224	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	IRON	6780		1.3	16.7224	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	CADMIUM	0.069	J	0.05	0.4181	mg/Kg	M1
SSJ1M1003	ECC052307J1SUP01(pre)	6/4/2007	SW6010B	MAGNESIUM	1010		13.4	418.06	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	COPPER	67.2		0.14	2.167	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	ALUMINUM	9730		2.8	17.3358	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	ANTIMONY	0.72	J	0.19	5.2007	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	ARSENIC	3.7		0.18	0.8668	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	BARIUM	12.4	J	0.54	17.3358	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	BERYLLIUM	0.3	J	0.017	0.4334	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	BORON	2.5	J	0.13	8.6679	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	CADMIUM	0.082	J	0.035	0.4334	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	CALCIUM	182	J	14.1	433.396	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	COBALT	2.7	J	0.061	4.334	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	NICKEL	5.9		0.087	3.4672	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW8270C	2-CHLOROBENZOIC ACID	380	J	378	1900	ug/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	ZINC	19.8	J	0.2	1.7336	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	VANADIUM	15.2		0.078	4.334	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	SODIUM	36.3	J	4.2	433.396	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	CHROMIUM, TOTAL	11.8		0.026	0.8668	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	POTASSIUM	466		7.2	433.396	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	IRON	10800		1.4	17.3358	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW7471A	MERCURY	0.016	J	0.014	0.0343	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	MANGANESE	87.4		0.017	1.3002	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	MAGNESIUM	1370		13.9	433.396	mg/Kg	M1
SSJ1M1BLP001	J1M1BLP_PE	5/31/2007	SW6010B	LEAD	9.4		0.14	0.8668	mg/Kg	M1
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	MANGANESE	71		0.2	1.5918	mg/Kg	J5

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	BARIUM	9.9	J	0.13	21.224	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	CADMIUM	0.27	J	0.032	0.5306	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW9012A	CYANIDE	2.2		0.52	0.52	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	CHROMIUM, TOTAL	6.8		0.085	1.0612	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	COBALT	1.5	J	0.12	5.306	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	COPPER	550		0.074	2.653	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	IRON	7230		2	10.612	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	ARSENIC	2		0.28	1.0612	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	MAGNESIUM	634		9.6	530.6	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	BERYLLIUM	0.2	J	0.021	0.5306	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	NICKEL	3.5	J	0.15	4.2448	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	POTASSIUM	359	J	11.6	530.6	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	SELENIUM	2		0.38	0.5306	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	VANADIUM	10.7		0.15	5.306	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	ZINC	33.6		0.16	2.1224	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW8270C	ACENAPHTHYLENE	36	J	21.9	350	ug/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW8270C	NAPHTHALENE	51	J	31.9	350	ug/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW8270C	PHENANTHRENE	40	J	28.2	350	ug/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	LEAD	166		0.18	0.3184	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	CALCIUM	221	J	13.4	530.6	mg/Kg	J5
SSJ1RD019	ECC052004J101 (post_c)	6/4/2004	SW6010B	ALUMINUM	6060		1.9	21.224	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	ZINC	17.1		0.17	2.273	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	CHROMIUM, TOTAL	14.2		0.091	1.1365	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	CALCIUM	282	J	14.4	568.246	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	CADMIUM	0.12	J	0.034	0.5682	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	BORON	1.5	J	0.2	11.3649	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	BERYLLIUM	0.36	J	0.023	0.5682	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	BARIUM	15.5	J	0.14	22.7299	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	ARSENIC	4.4		0.3	1.1365	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	ANTIMONY	0.53	J	0.31	6.819	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	ALUMINUM	12700		2	22.7299	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	COBALT	3.4	J	0.12	5.6825	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	VANADIUM	20.5		0.16	5.6825	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	POTASSIUM	550	J	12.4	568.246	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	NICKEL	6.8		0.16	4.546	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	IRON	14300		2.2	11.3649	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	LEAD	9.9		0.19	0.3409	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	MAGNESIUM	1580		10.3	568.246	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	MANGANESE	93.1		0.22	1.7047	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW7471A	MERCURY	0.031	J	0.02	0.0477	mg/Kg	J5
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	COPPER	29.8		0.08	2.8412	mg/Kg	J5

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD019	ECC052004J101 (pre)	6/3/2004	SW6010B	MOLYBDENUM	0.94	J	0.11	1.1365	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	ALUMINUM	6930		1.8	20.9545	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW9012A	CYANIDE	0.84		0.5	0.5	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	VANADIUM	14.9		0.15	5.2386	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	MANGANESE	81.8		0.2	1.5716	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	POTASSIUM	467	J	11.5	523.862	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	ANTIMONY	0.39	J	0.28	6.2863	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	ZINC	15.1		0.16	2.0954	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	NICKEL	4.8		0.15	4.1909	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	MAGNESIUM	1020		9.5	523.862	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	LEAD	31.6		0.18	0.3143	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	IRON	10600		2	10.4772	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	BERYLLIUM	0.32	J	0.021	0.5239	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	COBALT	2.5	J	0.12	5.2386	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	CHROMIUM, TOTAL	9		0.084	1.0477	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	CALCIUM	460	J	13.3	523.862	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	CADMIUM	0.094	J	0.031	0.5239	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	COPPER	140		0.073	2.6193	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	SELENIUM	0.46	J	0.38	0.5239	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	BARIUM	11.4	J	0.13	20.9545	mg/Kg	J5
SSJ1RD020	ECC052004J102 (post_c)	6/4/2004	SW6010B	ARSENIC	3.2		0.27	1.0477	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	BARIUM	10.4	J	0.13	21.3145	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	BERYLLIUM	0.22	J	0.021	0.5329	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	CADMIUM	0.22	J	0.032	0.5329	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	CALCIUM	234	J	13.5	532.862	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	CHROMIUM, TOTAL	12.9		0.085	1.0657	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	COPPER	31.4		0.075	2.6643	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	IRON	9680		2	10.6572	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	ARSENIC	3		0.28	1.0657	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	VANADIUM	13.3		0.15	5.3286	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	COBALT	1.9	J	0.12	5.3286	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	ANTIMONY	0.45	J	0.29	6.3943	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	ALUMINUM	7950		1.9	21.3145	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	MAGNESIUM	759		9.6	532.862	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	MANGANESE	67.7		0.2	1.5986	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW7471A	MERCURY	0.017	J	0.017	0.0412	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	MOLYBDENUM	0.99	J	0.11	1.0657	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	POTASSIUM	373	J	11.6	532.862	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	ZINC	11.1		0.16	2.1314	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	LEAD	7.4		0.18	0.3197	mg/Kg	J5
SSJ1RD020	ECC052004J102 (pre)	6/3/2004	SW6010B	NICKEL	5		0.15	4.2629	mg/Kg	J5

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEA	04171	5/7/2003	CL200.7	MANGANESE	110		0.18	0.18	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	CHROMIUM, TOTAL	10.8		0.18	0.18	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	ALUMINUM	8470		5.4	5.4	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	ARSENIC	4		0.9	0.91	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	BARIUM	18.1		2.6	2.6	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	BERYLLIUM	0.32		0.06	0.06	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	BORON	4.7		1.5	1.5	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	POTASSIUM	869		63.7	63.7	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	CALCIUM	419		59.4	59.4	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	ZINC	22.3		0.49	0.49	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	COBALT	3.2		0.56	0.56	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	COPPER	14.7		0.47	0.47	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	IRON	9780		5.8	5.8	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	LEAD	17.6		0.27	0.27	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	MAGNESIUM	1400		57.4	57.4	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	NICKEL	7.3		0.51	0.51	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	VANADIUM	18.8		0.58	0.58	mg/Kg	J5
SSJRANGEA	04171	5/7/2003	CL200.7	CADMIUM	0.1	J	0.08	0.08	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	CALCIUM	245		50.8	50.8	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	NICKEL	4.8		0.43	0.43	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	COBALT	3		0.48	0.48	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	ZINC	16.7		0.42	0.42	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	POTASSIUM	649		54.5	54.5	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	MANGANESE	129		0.15	0.15	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	MAGNESIUM	1200		49.2	49.2	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	LEAD	5.7		0.23	0.23	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	ARSENIC	3.3		0.78	0.78	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	VANADIUM	14.2		0.5	0.5	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	ALUMINUM	5490		4.6	4.6	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	IRON	8150		5	5	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	BARIUM	10.4		2.2	2.2	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	BERYLLIUM	0.3		0.05	0.05	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	BORON	4.1		1.2	1.2	mg/Kg	J5
SSJRANGEA	04172	5/7/2003	CL200.7	CHROMIUM, TOTAL	7.4		0.15	0.15	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	CALCIUM	310		59.5	59.5	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	IRON	7620		5.8	5.8	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	VANADIUM	15.3		0.58	0.58	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	POTASSIUM	615		63.8	63.8	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	NICKEL	4.8		0.51	0.51	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	MANGANESE	71.9		0.18	0.18	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	MAGNESIUM	1010		57.5	57.5	mg/Kg	J5

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEA	04173	5/7/2003	CL200.7	LEAD	11.9		0.27	0.27	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	ZINC	13.2		0.49	0.49	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	CHROMIUM, TOTAL	8		0.18	0.18	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	BORON	3.9		1.5	1.5	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	BERYLLIUM	0.26		0.06	0.06	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	BARIUM	11.1		2.6	2.6	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	ARSENIC	3.5		0.9	0.92	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	COPPER	7.6		0.47	0.47	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	ALUMINUM	5460		5.4	5.4	mg/Kg	J5
SSJRANGEA	04173	5/7/2003	CL200.7	COBALT	2.3		0.57	0.57	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	ZINC	14.6		0.46	0.46	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	LEAD	14		0.26	0.26	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	MAGNESIUM	923		54.2	54.2	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	MANGANESE	62.1		0.17	0.17	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	MOLYBDENUM	0.8		0.29	0.29	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	NICKEL	5.5		0.48	0.48	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	VANADIUM	16		0.55	0.55	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	BERYLLIUM	0.22		0.06	0.06	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	IRON	7370		5.5	5.5	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	POTASSIUM	603		60.1	60.1	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	ALUMINUM	6510		5.1	5.1	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	COBALT	2.1		0.53	0.53	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	CHROMIUM, TOTAL	8.5		0.17	0.17	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	CALCIUM	327		56	56	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	BORON	3.8		1.4	1.4	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	BARIUM	13.2		2.5	2.5	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	ARSENIC	3.1	J	0.86	0.86	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	ANTIMONY	0.94	J	0.88	0.88	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	CADMIUM	0.17		0.07	0.07	mg/Kg	J5
SSJRANGEA	04174	5/7/2003	CL200.7	COPPER	10.8		0.44	0.44	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	LEAD	13.1		0.27	0.27	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	MAGNESIUM	1260		57.4	57.4	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	MANGANESE	107		0.17	0.17	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	MOLYBDENUM	0.69		0.31	0.31	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	NICKEL	5.6		0.51	0.51	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	IRON	8610		5.8	5.8	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	VANADIUM	14.5		0.58	0.58	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	BORON	4.4		1.5	1.5	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	ZINC	19.3		0.49	0.49	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	POTASSIUM	791		63.6	63.6	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	COPPER	11.8		0.47	0.47	mg/Kg	J5

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEA	04175	5/7/2003	CL200.7	COBALT	2.9		0.56	0.56	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	CHROMIUM, TOTAL	7.9		0.17	0.17	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	CADMIUM	0.14	J	0.08	0.08	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	BERYLLIUM	0.27		0.06	0.06	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	BARIUM	18.7		2.6	2.6	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	ARSENIC	2.9	J	0.9	0.91	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	ANTIMONY	0.93	J	0.93	0.93	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	ALUMINUM	6830		5.4	5.4	mg/Kg	J5
SSJRANGEA	04175	5/7/2003	CL200.7	CALCIUM	552		59.3	59.3	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	BERYLLIUM	0.22		0.06	0.06	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	ALUMINUM	4400		5.2	5.2	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	POTASSIUM	550		61.8	61.8	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	BARIUM	10.7		2.5	2.5	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	ZINC	14		0.47	0.47	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	VANADIUM	15		0.57	0.57	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	SILVER	0.4	J	0.3	0.32	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	NICKEL	3.7		0.49	0.49	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	MOLYBDENUM	0.41	J	0.3	0.3	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	MANGANESE	92.2		0.17	0.17	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	MAGNESIUM	801		55.8	55.8	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	BORON	3.2		1.4	1.4	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	SODIUM	115	J	96.8	96.8	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	ARSENIC	3.9	J	0.89	0.89	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	LEAD	16		0.26	0.26	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	CALCIUM	390		57.6	57.6	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	CHROMIUM, TOTAL	6.7		0.17	0.17	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	COBALT	2.1		0.55	0.55	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	COPPER	6.8		0.45	0.45	mg/Kg	J5
SSJRANGEA	04176	5/7/2003	CL200.7	IRON	6410		5.6	5.6	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	IRON	6310		5.3	5.3	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	SODIUM	94.4	J	90.9	90.9	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	SILVER	0.39	J	0.3	0.3	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	POTASSIUM	525		58.1	58.1	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	NICKEL	5.2		0.46	0.46	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	MOLYBDENUM	0.54	J	0.28	0.28	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	MANGANESE	83.1		0.16	0.16	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	MAGNESIUM	925		52.3	52.3	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	LEAD	15.3		0.25	0.25	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	VANADIUM	15.9		0.53	0.53	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	ALUMINUM	4540		4.9	4.9	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	COBALT	2.2		0.51	0.51	mg/Kg	J5

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEA	04177	5/7/2003	CL200.7	CHROMIUM, TOTAL	6.8		0.16	0.16	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	CALCIUM	337		54.1	54.1	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	CADMIUM	0.07	J	0.07	0.07	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	BORON	3.6		1.3	1.3	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	BERYLLIUM	0.19		0.05	0.05	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	BARIUM	9.3		2.4	2.4	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	ARSENIC	2.5	J	0.83	0.83	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	COPPER	6.8		0.43	0.43	mg/Kg	J5
SSJRANGEA	04177	5/7/2003	CL200.7	ZINC	12.5		0.44	0.44	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	MAGNESIUM	885		53.9	53.9	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	MANGANESE	52.9		0.16	0.16	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	MOLYBDENUM	0.86		0.29	0.29	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	NICKEL	5.9		0.47	0.47	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	POTASSIUM	558		59.8	59.8	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	LEAD	10.9		0.26	0.26	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	VANADIUM	14.9		0.55	0.55	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	BORON	3.9		1.4	1.4	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	SELENIUM	1.1	J	0.71	0.71	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	IRON	7120		5.5	5.5	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	COPPER	6.6		0.44	0.44	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	COBALT	2.5		0.53	0.53	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	ZINC	13.9		0.46	0.46	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	CADMIUM	0.16		0.07	0.07	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	BERYLLIUM	0.2		0.05	0.05	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	BARIUM	13.3		2.5	2.5	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	ARSENIC	3.1	J	0.86	0.86	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	ALUMINUM	6900		5.1	5.1	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	CALCIUM	222		55.7	55.7	mg/Kg	J5
SSJRANGEA	04178	5/7/2003	CL200.7	CHROMIUM, TOTAL	8.3		0.16	0.16	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	MAGNESIUM	1060		54.8	54.8	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	ALUMINUM	5400		5.1	5.1	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	ARSENIC	3.1		0.87	0.87	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	BARIUM	12		2.5	2.5	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	BERYLLIUM	0.33		0.06	0.06	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	BORON	3.6		1.4	1.4	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	CALCIUM	191		56.7	56.7	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	CHROMIUM, TOTAL	7.6		0.17	0.17	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	COBALT	2.8		0.54	0.54	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	LEAD	5.4		0.26	0.26	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	MANGANESE	120		0.17	0.17	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	NICKEL	4.7		0.48	0.48	mg/Kg	J5

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEA	04179	5/7/2003	CL200.7	POTASSIUM	855		60.8	60.8	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	VANADIUM	10.8		0.56	0.56	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	ZINC	17.7		0.46	0.46	mg/Kg	J5
SSJRANGEA	04179	5/7/2003	CL200.7	IRON	7930		5.6	5.6	mg/Kg	J5
SSJRANGEA	SSJRANGEA_PE1	7/14/2006	SW6010B	COPPER	6.7		0.19	2.1806	mg/Kg	J5
SSJRANGEA	SSJRANGEA_PE2	7/14/2006	SW6010B	COPPER	6.1		0.19	2.1249	mg/Kg	J5
SSJRANGEA	SSJRANGEA_PE3	7/14/2006	SW6010B	COPPER	30.7		0.2	2.2666	mg/Kg	J5
	ROWS 7 TO 29									
CP05D	AD853	10/14/1999	CL200.7	CHROMIUM, TOTAL	6.5		0.14	0.635	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	POTASSIUM	384		47.2	121	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	MOLYBDENUM	0.89		0.266	0.266	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	MANGANESE	60.6		0.08	0.184	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	MAGNESIUM	796		28.1	40.8	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	LEAD	6.2		0.199	0.199	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	IRON	5520		4.21	9.14	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	ZINC	44.1		0.29	0.451	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	COBALT	2		0.26	0.512	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	VANADIUM	6.8		0.36	1.19	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	BERYLLIUM	0.12		0.03	0.0614	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	BARIUM	7.9		1.18	1.6	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	ALUMINUM	4140		2.5	8.01	mg/Kg	J10
CP05D	AD853	10/14/1999	SW8151A	PENTACHLOROPHENOL	70		7.6	18	ug/Kg	J10
CP05D	AD853	10/14/1999	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg	J10
CP05D	AD853	10/14/1999	E350.2	NITROGEN, AMMONIA (AS N)	5.5	J	0.02	0.02	mg/Kg	J10
CP05D	AD853	10/14/1999	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	71.1		0.01	0.01	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	COPPER	6.9		0.34	1.25	mg/Kg	J10
CP05D	AD853	10/14/1999	CL200.7	NICKEL	4		0.3	0.533	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	BARIUM	3.8		1.18	1.48	mg/Kg	J10
CP05D	AD854	10/14/1999	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	41.2		0.01	0.01	mg/Kg	J10
CP05D	AD854	10/14/1999	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	0.02	0.02	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	ALUMINUM	1240		2.5	7.41	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	BERYLLIUM	0.06	J	0.03	0.0569	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	CHROMIUM, TOTAL	3.6		0.14	0.588	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	COBALT	0.91	J	0.26	0.474	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	IRON	3240		4.21	8.95	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	VANADIUM	2.9		0.36	1.1	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	MAGNESIUM	346		28.1	37.7	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	MANGANESE	40.6		0.08	0.171	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	MOLYBDENUM	0.55		0.246	0.246	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	ZINC	6.9		0.29	0.417	mg/Kg	J10

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05D	AD854	10/14/1999	CL200.7	NICKEL	1.9		0.3	0.493	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	POTASSIUM	203		47.2	112	mg/Kg	J10
CP05D	AD854	10/14/1999	CL200.7	LEAD	2.2		0.195	0.195	mg/Kg	J10
CP05D	AD854	10/14/1999	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	VANADIUM	4.5		0.36	0.998	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	ZINC	21		0.29	0.378	mg/Kg	J10
CP05D	AD855	10/14/1999	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	27	J	27	340	ug/Kg	J10
CP05D	AD855	10/14/1999	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	57.5		0.01	0.01	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	BARIUM	6.9		1.18	1.34	mg/Kg	J10
CP05D	AD855	10/14/1999	LYDKHN	TOTAL ORGANIC CARBON	4040		0	0	mg/Kg	J10
CP05D	AD855	10/14/1999	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.01	0.01	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	POTASSIUM	352		47.2	102	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	CHROMIUM, TOTAL	6		0.14	0.533	mg/Kg	J10
CP05D	AD855	10/14/1999	E350.2	NITROGEN, AMMONIA (AS N)	7.9	J	0.02	0.02	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	NICKEL	3.4		0.3	0.447	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	MOLYBDENUM	0.86		0.224	0.224	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	MANGANESE	86		0.08	0.155	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	MAGNESIUM	650		28.1	34.2	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	LEAD	3.8		0.199	0.199	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	IRON	3640		4.21	9.11	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	COPPER	4.8		0.34	1.05	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	ALUMINUM	2550		2.5	6.73	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	COBALT	1.8		0.26	0.43	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	CALCIUM	95.5		29	39.4	mg/Kg	J10
CP05D	AD855	10/14/1999	CL200.7	BERYLLIUM	0.1		0.03	0.0516	mg/Kg	J10
CP05D	B05DAA	1/19/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	131	J	131	131	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	COBALT	5		0.355	0.355	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	COPPER	5.8	J	0.48	0.48	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	VANADIUM	16.3		0.334	0.334	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	POTASSIUM	375	J	45.8	45.8	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	NICKEL	6.8	J	0.438	0.438	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	MANGANESE	139	J	0.0626	0.0626	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	MAGNESIUM	1230		26.4	26.4	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	CALCIUM	85.3		21.9	21.9	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	IRON	11500	J	5.34	5.34	mg/Kg	J10
CP05D	B05DAA	1/19/1998	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	3.4	3.4	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	ZINC	21.8		0.647	0.647	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	CHROMIUM, TOTAL	18.5	J	0.23	0.23	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	BERYLLIUM	0.32		0.0209	0.0209	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	BARIUM	12.5		0.876	0.876	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	ARSENIC	3.7		0.751	0.751	mg/Kg	J10

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05D	B05DAA	1/19/1998	CL200.7	ALUMINUM	8280		2.57	2.57	mg/Kg	J10
CP05D	B05DAA	1/19/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	J10
CP05D	B05DAA	1/19/1998	CL200.7	LEAD	7.8		0.376	0.376	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	POTASSIUM	449		50.3	50.3	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	ARSENIC	3.2		0.33	0.33	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	ZINC	14.9		1.67	1.67	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	VANADIUM	15.3		0.75	0.75	mg/Kg	J10
CP05D	B05DBA	3/10/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.3		87.3	87.3	mg/Kg	J10
CP05D	B05DBA	3/10/1998	E350.2	NITROGEN, AMMONIA (AS N)	7.8	J	7.8	7.8	mg/Kg	J10
CP05D	B05DBA	3/10/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.03	0.03	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	ANTIMONY	1.2		1.2	1.34	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	BARIUM	12.4		0.59	0.59	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	BERYLLIUM	0.22	J	0.05	0.05	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	CALCIUM	88.6		56.1	56.1	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	MOLYBDENUM	0.52	J	0.39	0.39	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	ALUMINUM	8620		39.1	39.1	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	NICKEL	4.9		1.27	1.27	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	CHROMIUM, TOTAL	10.3		0.21	0.21	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	MANGANESE	82.7		1.56	1.56	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	MAGNESIUM	1320		18.8	18.8	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	LEAD	6.6		3.86	3.86	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	IRON	10100		127	127	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	COPPER	4.2		0.17	0.17	mg/Kg	J10
CP05D	B05DBA	3/10/1998	CL200.7	COBALT	3.6		0.33	0.33	mg/Kg	J10
CP05E	B05EAA	1/19/1998	CL200.7	COBALT	3.4		0.381	0.381	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CVOL	ACETONE	14	J	14	14	ug/Kg	J9
CP05E	B05EAA	1/19/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114	J	114	114	mg/Kg	J9
CP05E	B05EAA	1/19/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	ALUMINUM	8800		2.76	2.76	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	ARSENIC	3		0.807	0.807	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	BARIUM	10.2		0.941	0.941	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	BERYLLIUM	0.26		0.0224	0.0224	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	CALCIUM	65.6		23.6	23.6	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	CHROMIUM, TOTAL	10.3	J	0.247	0.247	mg/Kg	J9
CP05E	B05EAA	1/19/1998	E350.2	NITROGEN, AMMONIA (AS N)	5.3	J	5.3	5.3	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	COPPER	4	J	0.515	0.515	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	IRON	9490	J	5.74	5.74	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	LEAD	6.7		0.403	0.403	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	MAGNESIUM	1110		28.4	28.4	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	MANGANESE	51.6		0.0672	0.0672	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	MOLYBDENUM	0.34	J	0.336	0.336	mg/Kg	J9

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05E	B05EAA	1/19/1998	CL200.7	NICKEL	5.3	J	0.471	0.471	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	POTASSIUM	311	J	49.2	49.2	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	ZINC	13.9		0.695	0.695	mg/Kg	J9
CP05E	B05EAA	1/19/1998	CL200.7	VANADIUM	15.2		0.359	0.359	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	NICKEL	7.8		1.27	1.27	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	ALUMINUM	14500		39.1	39.1	mg/Kg	J9
CP05E	B05EBA	3/10/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	123		123	123	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	THALLIUM	1.9	J	0.24	0.24	mg/Kg	J9
CP05E	B05EBA	3/10/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.02	0.02	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	ZINC	19.6		1.67	1.67	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	ARSENIC	4.4		0.33	0.33	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	BARIUM	15		0.59	0.59	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	BERYLLIUM	0.31		0.05	0.05	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	CALCIUM	115		56.1	56.1	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	CHROMIUM, TOTAL	17		0.21	0.21	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	COBALT	4.5		0.33	0.33	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	POTASSIUM	614		48.4	48.4	mg/Kg	J9
CP05E	B05EBA	3/10/1998	E350.2	NITROGEN, AMMONIA (AS N)	13.1	J	13.1	13.1	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	COPPER	4.8		0.17	0.17	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	VANADIUM	23.2		0.75	0.75	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	MOLYBDENUM	0.34	J	0.34	0.39	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	MANGANESE	80.6		1.56	1.56	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	MAGNESIUM	1930		18.8	18.8	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	LEAD	8.2		3.86	3.86	mg/Kg	J9
CP05E	B05EBA	3/10/1998	CL200.7	IRON	14200		127	127	mg/Kg	J9
SS02830-A	TT506	9/1/2000	CL200.7	ARSENIC	3.7	J	1	1	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	VANADIUM	23.7		0.156	1	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	COPPER	4.5	J	0.34	0.44	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	BERYLLIUM	0.31		0.03	0.07	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	CADMIUM	0.23	J	0.07	0.21	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	CALCIUM	84.9	J	29	75	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	CHROMIUM, TOTAL	18.5		0.14	0.39	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	BARIUM	16.5		1	3	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	LEAD	9		0.32	0.39	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	MAGNESIUM	1740		28	80	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	MANGANESE	67.9		0.08	0.34	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	POTASSIUM	555		47	135	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	ZINC	19		0.0554	1	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	2	6	ug/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	ALUMINUM	17700		2	3	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	COBALT	2.2		0.0832	1	mg/Kg	J16

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02830-A	TT506	9/1/2000	CL200.7	NICKEL	7.8		0.11	1	mg/Kg	J16
SS02830-A	TT506	9/1/2000	CL200.7	IRON	16000		4	7	mg/Kg	J16
SS02831-A	TT508	9/1/2000	CL200.7	MAGNESIUM	1070		28	58	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	ARSENIC	3.4	J	1	1	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	BARIUM	10.3		1	2	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	BERYLLIUM	0.26		0.03	0.05	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	CADMIUM	0.26	J	0.07	0.15	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	CALCIUM	91.3	J	29	54	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	CHROMIUM, TOTAL	13.8		0.14	0.28	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	COBALT	1.5		0.0832	1	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	COPPER	3.1	J	0.34	0.32	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	ZINC	12.6		0.0554	1	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	LEAD	7.1		0.32	0.28	mg/Kg	
SS02831-A	TT508	9/1/2000	SW8270	PHENANTHRENE	20	J	20	370	ug/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	MANGANESE	63.9		0.08	0.25	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	MOLYBDENUM	0.52	J	0.49	0.5	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	NICKEL	5.5		0.11	1	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	POTASSIUM	436		47	97	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	SELENIUM	0.53	J	0.61	0.45	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	SILVER	0.35	J	0.17	0.35	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	VANADIUM	18.5		0.156	1	mg/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	IRON	14000		4	5	mg/Kg	
SS02831-A	TT508	9/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	38	J	38	370	ug/Kg	
SS02831-A	TT508	9/1/2000	CL200.7	ALUMINUM	13700		2	2	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	IRON	13500		4	7	mg/Kg	
SS02831-A	TT509	9/1/2000	CVOL	TOLUENE	1	J	0.32	10	ug/Kg	
SS02831-A	TT509	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	2	10	ug/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	ZINC	12.9		0.0554	1	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	VANADIUM	17.8		0.156	1	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	SELENIUM	1	J	1	1	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	POTASSIUM	428		47	123	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	NICKEL	5.2		0.11	1	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	MANGANESE	52.6		0.08	0.32	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	LEAD	7		0.32	0.36	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	COPPER	3.7	J	0.34	0.4	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	COBALT	1.5	J	0.0832	1	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	CHROMIUM, TOTAL	13.8		0.14	0.36	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	CADMIUM	0.22	J	0.07	0.19	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	BARIUM	10		1	3	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	ARSENIC	3.4	J	1	1	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	ALUMINUM	13600		2	3	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02831-A	TT509	9/1/2000	CL200.7	BERYLLIUM	0.26		0.03	0.06	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	MAGNESIUM	998		28	73	mg/Kg	
SS02831-A	TT509	9/1/2000	CL200.7	CALCIUM	94.9	J	29	69	mg/Kg	
SS02832-A	TT511	9/1/2000	CL200.7	NICKEL	5.7		0.11	1	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	BARIUM	10.9		1	2	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	BERYLLIUM	0.24		0.03	0.06	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	CALCIUM	78.4	J	29	63	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	COBALT	1.8		0.0832	1	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	COPPER	10.1	J	0.34	0.36	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	IRON	11600		4	6	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	LEAD	7.9		0.32	0.32	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	ARSENIC	3.1	J	1	1	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	MANGANESE	60.9		0.08	0.29	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	CADMIUM	0.27	J	0.07	0.17	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	POTASSIUM	439		47	112	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	SELENIUM	0.55	J	0.55	1	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	THALLIUM	0.75	J	0.75	1	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	VANADIUM	16.2		0.156	1	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	ZINC	14.7		0.0554	1	mg/Kg	J16
SS02832-A	TT511	9/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	360	ug/Kg	J16
SS02832-A	TT511	9/1/2000	CVOL	BENZENE	1	J	0.41	8	ug/Kg	J16
SS02832-A	TT511	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9		2	8	ug/Kg	J16
SS02832-A	TT511	9/1/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	MAGNESIUM	1170		28	66	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	CHROMIUM, TOTAL	12.6		0.14	0.32	mg/Kg	J16
SS02832-A	TT511	9/1/2000	CL200.7	ALUMINUM	12100		2	3	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	COBALT	1.1	J	0.0832	1	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CVOL	BROMOMETHANE	3	J	0.49	10	ug/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	ZINC	13.1		0.0554	1	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	BARIUM	10.5		1	2	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	BERYLLIUM	0.26		0.03	0.06	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	CADMIUM	0.29	J	0.07	0.17	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	CALCIUM	101	J	29	64	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	CHROMIUM, TOTAL	13.6		0.14	0.33	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	COPPER	6.1	J	0.34	0.37	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	IRON	12600		4	6	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	ARSENIC	2.9	J	1	1	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12		2	10	ug/Kg	J16
SS02833-A	TT496	9/1/2000	CVOL	TOLUENE	1	J	0.32	10	ug/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	VANADIUM	18.7		0.156	1	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	ALUMINUM	14100		2	3	mg/Kg	J16

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02833-A	TT496	9/1/2000	CL200.7	SELENIUM	0.68	J	0.68	1	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	POTASSIUM	419		47	114	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	NICKEL	5.5		0.11	1	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	MANGANESE	50.1		0.08	0.29	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	MAGNESIUM	992		28	68	mg/Kg	J16
SS02833-A	TT496	9/1/2000	CL200.7	LEAD	7.2		0.32	0.33	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	BARIUM	10.8		1	3	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	MAGNESIUM	1380		28	72	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	ZINC	17.1		0.0554	1	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	VANADIUM	15.9		0.156	1	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	2	8	ug/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	SELENIUM	0.68	J	0.68	1	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	POTASSIUM	518		47	122	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	NICKEL	6.7		0.11	1	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	MANGANESE	72.1		0.08	0.31	mg/Kg	J16
SS02835-A	TT515	9/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	34	J	34	370	ug/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	LEAD	6.5		0.32	0.35	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	IRON	12000		4	7	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	COPPER	9.2	J	0.34	0.39	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	COBALT	2.1		0.0832	1	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	CHROMIUM, TOTAL	13.2		0.14	0.35	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	CALCIUM	103	J	29	68	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	BERYLLIUM	0.25		0.03	0.06	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	ARSENIC	3.1	J	1	1	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	ALUMINUM	11700		2	3	mg/Kg	J16
SS02835-A	TT515	9/1/2000	CL200.7	CADMIUM	0.24	J	0.07	0.19	mg/Kg	J16
SS02837-A	TT517	9/1/2000	CL200.7	POTASSIUM	264		47	105	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	VANADIUM	14.7		0.156	1	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	ZINC	34.2		0.0554	1	mg/Kg	
SS02837-A	TT517	9/1/2000	SW8270	2-METHYLNAPHTHALENE	65	J	65	370	ug/Kg	
SS02837-A	TT517	9/1/2000	SW8270	NAPHTHALENE	68	J	68	370	ug/Kg	
SS02837-A	TT517	9/1/2000	CVOL	BENZENE	3	J	0.41	12	ug/Kg	
SS02837-A	TT517	9/1/2000	CVOL	BROMOMETHANE	4	J	0.49	12	ug/Kg	
SS02837-A	TT517	9/1/2000	CVOL	CHLOROFORM	1	J	0.2	12	ug/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	MOLYBDENUM	1.1	J	0.0383	1	mg/Kg	
SS02837-A	TT517	9/1/2000	CVOL	TOLUENE	5	J	0.32	12	ug/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	NICKEL	10.1		0.11	1	mg/Kg	
SS02837-A	TT517	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	17	J	2	12	ug/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	CADMIUM	1		0.07	0.16	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	ALUMINUM	8420		2	2	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	SELENIUM	0.61	J	0.61	0.48	mg/Kg	

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02837-A	TT517	9/1/2000	CL200.7	MANGANESE	57.8		0.08	0.27	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	BARIUM	29		1	2	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	BORON	17.9		1	1	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	ARSENIC	2.8	J	1	1	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	CALCIUM	732		29	59	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	CHROMIUM, TOTAL	8.7		0.14	0.3	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	COPPER	47.6	J	0.34	0.34	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	IRON	10900		4	6	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	LEAD	25.8		0.32	0.3	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	MAGNESIUM	537		28	62	mg/Kg	
SS02837-A	TT517	9/1/2000	CL200.7	BERYLLIUM	0.15		0.03	0.05	mg/Kg	
SS02837-A	TT518	9/1/2000	SW8270	PHENANTHRENE	21	J	21	350	ug/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	SELENIUM	0.53	J	0.53	1	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	VANADIUM	14.5		0.156	1	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	POTASSIUM	283		47	110	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	ZINC	66.9		0.0554	1	mg/Kg	
SS02837-A	TT518	9/1/2000	SW8270	CHRYSENE	22	J	22	350	ug/Kg	
SS02837-A	TT518	9/1/2000	SW8270	FLUORANTHENE	29	J	29	350	ug/Kg	
SS02837-A	TT518	9/1/2000	CVOL	TOLUENE	5	J	0.32	11	ug/Kg	
SS02837-A	TT518	9/1/2000	SW8270	PYRENE	28	J	28	350	ug/Kg	
SS02837-A	TT518	9/1/2000	CVOL	BENZENE	3	J	0.41	11	ug/Kg	
SS02837-A	TT518	9/1/2000	CVOL	BROMOMETHANE	8	J	0.49	11	ug/Kg	
SS02837-A	TT518	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	23	J	2	11	ug/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	NICKEL	45.7		0.11	1	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	BERYLLIUM	0.18		0.03	0.06	mg/Kg	
SS02837-A	TT518	9/1/2000	CVOL	CHLOROMETHANE	3	J	1	11	ug/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	ARSENIC	3.5	J	1	1	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	CALCIUM	354		29	62	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	MOLYBDENUM	37.9		0.0383	1	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	ANTIMONY	2.2	J	0.5	1	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	BARIUM	37.6		1	2	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	CADMIUM	1.1	J	0.07	0.17	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	CHROMIUM, TOTAL	182		0.14	0.32	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	MAGNESIUM	695		28	65	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	COPPER	118	J	0.34	0.36	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	IRON	23000		4	6	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	LEAD	31.6		0.32	0.32	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	COBALT	1.9		0.0832	1	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	ALUMINUM	6960		2	3	mg/Kg	
SS02837-A	TT518	9/1/2000	CL200.7	MANGANESE	142		0.08	0.28	mg/Kg	
SS02839-A	04763	5/20/2003	CL200.7	IRON	8760		5.5	5.5	mg/Kg	J8

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02839-A	04763	5/20/2003	CL200.7	LEAD	18		0.26	0.26	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	MAGNESIUM	1250		54.7	54.7	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	NICKEL	5.9		0.48	0.48	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	POTASSIUM	549	J	60.6	60.6	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	VANADIUM	16.6		0.56	0.56	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	COPPER	7.5		0.44	0.44	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	ARSENIC	2.9		0.87	0.87	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	MOLYBDENUM	0.42	J	0.3	0.3	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	COBALT	3		0.54	0.54	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	CHROMIUM, TOTAL	10.1		0.17	0.17	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	CALCIUM	193		56.5	56.5	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	CADMIUM	0.14	J	0.07	0.07	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	BORON	1.8	J	1.4	1.4	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	BARIUM	15.3		2.5	2.5	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	ALUMINUM	7550		5.1	5.1	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	ZINC	16.7		0.46	0.46	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	BERYLLIUM	0.24		0.06	0.06	mg/Kg	J8
SS02839-A	04763	5/20/2003	CL200.7	MANGANESE	78.7		0.17	0.17	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	POTASSIUM	640	J	72.2	72.2	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	VANADIUM	27.7		0.66	0.66	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	NICKEL	7.7		0.57	0.57	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	MOLYBDENUM	0.52	J	0.35	0.35	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	MANGANESE	69.6		0.2	0.2	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	MAGNESIUM	1290		65.1	65.1	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	LEAD	28.3		0.3	0.31	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	IRON	14400		6.6	6.6	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	COPPER	20.3		0.53	0.53	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	ALUMINUM	15000		6	6.1	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	CHROMIUM, TOTAL	17.9		0.2	0.2	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	CALCIUM	527		67.3	67.3	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	CADMIUM	2.2		0.09	0.09	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	BORON	2.6	J	1.7	1.7	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	BERYLLIUM	0.34		0.07	0.07	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	BARIUM	24		3	3	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	ARSENIC	5.1		0.9	1	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	ZINC	96.5		0.55	0.55	mg/Kg	J8
SS02839-A	04764	5/20/2003	CL200.7	COBALT	3.2		0.64	0.64	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	LEAD	18.4		0.29	0.29	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	MAGNESIUM	1160		62.1	62.1	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	MANGANESE	86.5		0.19	0.19	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	MOLYBDENUM	0.49	J	0.34	0.34	mg/Kg	J8

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02839-A	04765	5/20/2003	CL200.7	NICKEL	6		0.55	0.55	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	IRON	11200		6.3	6.3	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	VANADIUM	20.7		0.63	0.63	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	BARIUM	15.2		2.8	2.8	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	POTASSIUM	625	J	68.8	68.8	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	COPPER	8.8		0.5	0.5	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	COBALT	3.2		0.61	0.61	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	CALCIUM	235		64.2	64.2	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	BERYLLIUM	0.32		0.06	0.06	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	ARSENIC	4.2		0.9	0.99	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	ALUMINUM	9770		5.8	5.8	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	ZINC	18.7		0.53	0.53	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	CHROMIUM, TOTAL	11.6		0.19	0.19	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	BORON	2.6	J	1.6	1.6	mg/Kg	J8
SS02839-A	04765	5/20/2003	CL200.7	CADMIUM	0.33		0.08	0.08	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	BARIUM	7		2.6	2.6	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	POTASSIUM	371	J	62.6	62.6	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	ZINC	12.3		0.48	0.48	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	VANADIUM	11.6		0.57	0.57	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	ARSENIC	2.3		0.9	0.9	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	BERYLLIUM	0.18		0.06	0.06	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	CADMIUM	0.1	J	0.08	0.08	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	CALCIUM	165		58.3	58.3	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	MOLYBDENUM	0.35	J	0.31	0.31	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	COBALT	2.3		0.55	0.55	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	COPPER	4.2		0.46	0.46	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	IRON	7120		5.7	5.7	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	LEAD	5.8		0.27	0.27	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	MAGNESIUM	942		56.4	56.4	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	MANGANESE	70.7		0.17	0.17	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	CHROMIUM, TOTAL	6.5		0.17	0.17	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	NICKEL	3.6		0.5	0.5	mg/Kg	J8
SS02839-A	04766	5/20/2003	CL200.7	ALUMINUM	4820		5.3	5.3	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	LEAD	90.2		0.3	0.31	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	MAGNESIUM	1170		65.4	65.4	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	MANGANESE	64.8		0.2	0.2	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	MOLYBDENUM	0.74	J	0.35	0.35	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	NICKEL	8.1		0.58	0.58	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	POTASSIUM	605	J	72.5	72.5	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	ZINC	22.7		0.55	0.55	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	IRON	13100		6.6	6.6	mg/Kg	J8

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02839-A	04767	5/20/2003	CL200.7	CADMIUM	0.3		0.09	0.09	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	VANADIUM	27.1		0.66	0.66	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	BARIUM	20.1		3	3	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	ALUMINUM	12700		6	6.1	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	CHROMIUM, TOTAL	14.9		0.2	0.2	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	ARSENIC	4.1		0.9	1	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	BERYLLIUM	0.31		0.07	0.07	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	BORON	2.2	J	1.7	1.7	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	CALCIUM	332		67.6	67.6	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	COBALT	2.9		0.64	0.64	mg/Kg	J8
SS02839-A	04767	5/20/2003	CL200.7	COPPER	17.9		0.53	0.53	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	CHROMIUM, TOTAL	14.8		0.17	0.17	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	VANADIUM	26.3		0.57	0.57	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	NICKEL	7.1		0.49	0.49	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	ZINC	32.1		0.47	0.47	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	MOLYBDENUM	0.52	J	0.3	0.3	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	MANGANESE	69.5		0.17	0.17	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	MAGNESIUM	1130		55.7	55.7	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	LEAD	75.7		0.26	0.26	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	IRON	13600		5.6	5.6	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	POTASSIUM	568	J	61.8	61.8	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	ALUMINUM	12800		5.2	5.2	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	COBALT	2.8		0.55	0.55	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	ARSENIC	4.4		0.89	0.89	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	BARIUM	30.1		2.5	2.5	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	BERYLLIUM	0.3		0.06	0.06	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	BORON	2.3	J	1.4	1.4	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	CADMIUM	0.36		0.08	0.08	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	CALCIUM	280		57.6	57.6	mg/Kg	J8
SS02839-A	04768	5/20/2003	CL200.7	COPPER	27.8		0.45	0.45	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	ZINC	28.8		0.52	0.52	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	BARIUM	21.4		2.8	2.8	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	CHROMIUM, TOTAL	18.8		0.19	0.19	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	ARSENIC	6		0.9	0.98	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	BERYLLIUM	0.34		0.06	0.06	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	BORON	2.6	J	1.6	1.6	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	CADMIUM	0.4		0.08	0.08	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	CALCIUM	275		63.5	63.5	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	SELENIUM	0.92	J	0.81	0.81	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	COPPER	44.8		0.5	0.5	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	IRON	16500		6.2	6.2	mg/Kg	J8

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02839-A	04769	5/20/2003	CL200.7	LEAD	40.7		0.29	0.29	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	MAGNESIUM	1270		61.4	61.4	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	MANGANESE	66.5		0.19	0.19	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	MOLYBDENUM	0.77	J	0.33	0.33	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	NICKEL	9.1		0.54	0.54	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	POTASSIUM	666		68.1	68.1	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	VANADIUM	30.5		0.62	0.62	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	ALUMINUM	17200		5.8	5.8	mg/Kg	J8
SS02839-A	04769	5/20/2003	CL200.7	COBALT	3.1		0.6	0.6	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	COPPER	4.4		0.39	0.39	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	COBALT	2.9		0.47	0.47	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	CHROMIUM, TOTAL	6.7		0.15	0.15	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	CALCIUM	125		49.4	49.4	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	CADMIUM	0.13		0.06	0.06	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	IRON	7000		4.8	4.8	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	BARIUM	8.7		2.2	2.2	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	NICKEL	4		0.42	0.42	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	BORON	1.6	J	1.2	1.2	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	LEAD	5.8		0.23	0.23	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	ARSENIC	2.5		0.76	0.76	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	MAGNESIUM	888		47.8	47.8	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	MOLYBDENUM	0.38	J	0.26	0.26	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	POTASSIUM	459	J	53	53	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	VANADIUM	11		0.49	0.49	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	ZINC	10.8		0.4	0.4	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	ALUMINUM	4630		4.5	4.5	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	MANGANESE	92.3		0.15	0.15	mg/Kg	J8
SS02839-A	04770	5/20/2003	CL200.7	BERYLLIUM	0.24		0.05	0.05	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	NICKEL	6.7		0.53	0.53	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	BERYLLIUM	0.28		0.06	0.06	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	ALUMINUM	11600		5.7	5.7	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	ARSENIC	4.1		0.9	0.97	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	BARIUM	28.6		2.8	2.8	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	ZINC	27.3		0.51	0.51	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	POTASSIUM	509	J	67.3	67.3	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	MOLYBDENUM	0.71	J	0.33	0.33	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	MANGANESE	70.5		0.18	0.18	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	CHROMIUM, TOTAL	13.5		0.18	0.18	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	BORON	1.7	J	1.5	1.5	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	VANADIUM	24		0.62	0.62	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	CALCIUM	270		62.7	62.7	mg/Kg	J8

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02839-A	04774	5/20/2003	CL200.7	MAGNESIUM	1010		60.6	60.6	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	COBALT	2.5		0.6	0.6	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	COPPER	21.4		0.49	0.49	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	IRON	12500		6.1	6.1	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	LEAD	75.7		0.29	0.29	mg/Kg	J8
SS02839-A	04774	5/20/2003	CL200.7	CADMIUM	0.35		0.08	0.08	mg/Kg	J8
SS02839-A	J1A200052_PE1	9/12/2006	SW6010B	LEAD	5.9		0.23	0.8429	mg/Kg	J8
SS02839-A	J1A200052_PE2	9/12/2006	SW6010B	LEAD	11.8		0.23	0.8647	mg/Kg	J8
SS02839-A	J1A200052_PE3	9/12/2006	SW6010B	LEAD	9.3		0.23	0.8674	mg/Kg	J8
SS05EF	BG5EAA	3/4/1998	CL200.7	NICKEL	1.1	J	0.725	0.725	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	BARIUM	2.2	J	1.58	1.58	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	VANADIUM	4		1.08	1.08	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	POTASSIUM	119	J	45.9	45.9	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	MAGNESIUM	320		40.8	40.8	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	IRON	2970		14.7	14.7	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	COPPER	2		0.705	0.705	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	CHROMIUM, TOTAL	1.5		0.415	0.415	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	BERYLLIUM	0.11	J	0.0622	0.0622	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	MANGANESE	40.3		0.166	0.166	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	CALCIUM	63.4	J	39.3	39.3	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	CL200.7	ALUMINUM	1020		5.74	5.74	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.04	0.04	mg/Kg	J24
SS05EF	BG5EAA	3/4/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	42		42	42	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	IRON	3100		13.5	13.5	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	MANGANESE	52.8		0.153	0.153	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	NICKEL	1.6		0.668	0.668	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	VANADIUM	4.2		0.992	0.992	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	LEAD	2.8		0.353	0.353	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	POTASSIUM	162	J	42.2	42.2	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.9		80.9	80.9	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	COPPER	2		0.649	0.649	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	COBALT	0.84	J	0.706	0.706	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	CHROMIUM, TOTAL	2.7		0.382	0.382	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	BERYLLIUM	0.12		0.0572	0.0572	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	BARIUM	3.8		1.45	1.45	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	ALUMINUM	1860		5.28	5.28	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.04	0.04	mg/Kg	J24
SS05EF	BG5FAA	3/6/1998	CL200.7	MAGNESIUM	380		37.5	37.5	mg/Kg	J24
SS05OA	AW986	12/11/2001	CVOL	TOLUENE	1	J	1	10	ug/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	MANGANESE	87.4		0.32	0.32	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	MOLYBDENUM	0.7	J	0.5	0.66	mg/Kg	K27

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05OA	AW986	12/11/2001	CL200.7	NICKEL	8.4		0.45	0.45	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	POTASSIUM	934		52.8	52.8	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	VANADIUM	29.7		0.48	0.48	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	ZINC	24.1		0.2	0.2	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	LEAD	10.1	J	0.14	0.14	mg/Kg	K27
SS05OA	AW986	12/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	10	ug/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	IRON	16000		4.1	4.1	mg/Kg	K27
SS05OA	AW986	12/11/2001	CVOL	ACETONE	110	J	3.81	10	ug/Kg	K27
SS05OA	AW986	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	12800		0	0	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	MAGNESIUM	2090		44.1	44.1	mg/Kg	K27
SS05OA	AW986	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	125		1	2.2	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	COPPER	4.1	J	0.8	1	mg/Kg	K27
SS05OA	AW986	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	18.1	J	1.5	2.9	mg/Kg	K27
SS05OA	AW986	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.12		0.0043	0.013	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	ALUMINUM	14400		5.2	5.3	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	BARIUM	18.7		2	2	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	BERYLLIUM	0.41		0.05	0.05	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	CALCIUM	216		72.3	72.3	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	CHROMIUM, TOTAL	16.5		0.27	0.27	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	COBALT	4.7		0.57	0.57	mg/Kg	K27
SS05OA	AW986	12/11/2001	CL200.7	ARSENIC	5.8		0.34	0.34	mg/Kg	K27
SS05OA	AW987	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	10300		0	0	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	CHROMIUM, TOTAL	18.3		0.28	0.28	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	CALCIUM	194		74.6	74.6	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	BERYLLIUM	0.43		0.05	0.05	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	BARIUM	23.3		2.1	2.1	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	ARSENIC	6.4		0.35	0.35	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	ALUMINUM	16700		5.2	5.5	mg/Kg	K27
SS05OA	AW987	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	249		1	2.4	mg/Kg	K27
SS05OA	AW987	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	10.3	J	1.5	2.6	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	LEAD	10.8	J	0.14	0.14	mg/Kg	K27
SS05OA	AW987	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.13		0.0043	0.013	mg/Kg	K27
SS05OA	AW987	12/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	10	ug/Kg	K27
SS05OA	AW987	12/11/2001	CVOL	TOLUENE	1	J	1	10	ug/Kg	K27
SS05OA	AW987	12/11/2001	CVOL	ACETONE	100	J	3.81	10	ug/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	ZINC	23.2		0.21	0.21	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	VANADIUM	29.5		0.49	0.49	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	POTASSIUM	994		54.5	54.5	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	MANGANESE	87.2		0.33	0.33	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	MAGNESIUM	2180		45.5	45.5	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	COPPER	3.7	J	0.8	1	mg/Kg	K27

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05OA	AW987	12/11/2001	CL200.7	IRON	17500		4.2	4.2	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	NICKEL	8.9		0.47	0.47	mg/Kg	K27
SS05OA	AW987	12/11/2001	CL200.7	COBALT	5		0.58	0.58	mg/Kg	K27
SS05OA	AW988	12/11/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	10	ug/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	LEAD	10.4	J	0.12	0.12	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	MAGNESIUM	2210		40.1	40.1	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	MANGANESE	88.3		0.29	0.29	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	NICKEL	9		0.41	0.41	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	POTASSIUM	1000		48	48	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	VANADIUM	30.7		0.43	0.43	mg/Kg	K27
SS05OA	AW988	12/11/2001	CVOL	ACETONE	100	J	3.81	10	ug/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	COPPER	3.3	J	0.8	0.91	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	COBALT	4.9		0.52	0.52	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	ZINC	21.7		0.19	0.19	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	ALUMINUM	16500		4.8	4.8	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	IRON	17400		3.7	3.7	mg/Kg	K27
SS05OA	AW988	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	13100		0	0	mg/Kg	K27
SS05OA	AW988	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.2		1	2.2	mg/Kg	K27
SS05OA	AW988	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.16		0.0043	0.012	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	ARSENIC	5.7		0.31	0.31	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	BARIUM	22.5		1.9	1.9	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	BERYLLIUM	0.48		0.04	0.04	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	CALCIUM	197		65.8	65.8	mg/Kg	K27
SS05OA	AW988	12/11/2001	CL200.7	CHROMIUM, TOTAL	18.5		0.25	0.25	mg/Kg	K27
SS05OA	AW988	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	10.2	J	1.5	2.7	mg/Kg	K27
SS05OB	AW989	12/11/2001	CVOL	ACETONE	51		3.81	12	ug/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	MANGANESE	96.8		0.32	0.32	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	MOLYBDENUM	0.79	J	0.5	0.65	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	MAGNESIUM	2180		43.9	43.9	mg/Kg	K27
SS05OB	AW989	12/11/2001	CVOL	TOLUENE	12		2.37	12	ug/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	NICKEL	8.7		0.45	0.45	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	POTASSIUM	1040		52.6	52.6	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	VANADIUM	30.9		0.47	0.47	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	ZINC	41.7		0.2	0.2	mg/Kg	K27
SS05OB	AW989	12/11/2001	SW8270	BENZOIC ACID	120	J	120	1000	ug/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	BARIUM	22.4		2	2	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	LEAD	10.5	J	0.14	0.14	mg/Kg	K27
SS05OB	AW989	12/11/2001	SW8270	BENZO(G,H,I)PERYLENE	42	J	42	420	ug/Kg	K27
SS05OB	AW989	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.15		0.0043	0.013	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	CALCIUM	263		72	72	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	IRON	17200		4.1	4.1	mg/Kg	K27

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05OB	AW989	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	22.1	J	1.5	3	mg/Kg	K27
SS05OB	AW989	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109		1	2.4	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	ALUMINUM	16200		5.2	5.3	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	ARSENIC	5.3		0.34	0.34	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	BERYLLIUM	0.49		0.05	0.05	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	CHROMIUM, TOTAL	18.7		0.27	0.27	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	COBALT	5.1		0.56	0.56	mg/Kg	K27
SS05OB	AW989	12/11/2001	CL200.7	COPPER	4.7	J	0.8	0.99	mg/Kg	K27
SS05OB	AW989	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	17900		0	0	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	MANGANESE	99.4		0.31	0.31	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	MAGNESIUM	2120		42.8	42.8	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	LEAD	10.5	J	0.13	0.13	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	IRON	17000		4	4	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	COPPER	4.1	J	0.8	0.97	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	COBALT	5		0.55	0.55	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	CHROMIUM, TOTAL	18		0.26	0.26	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	NICKEL	8.8		0.44	0.44	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	BERYLLIUM	0.48		0.04	0.04	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	ALUMINUM	16100		5.2	5.2	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	CALCIUM	265		70.1	70.1	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	POTASSIUM	1070		51.2	51.2	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	VANADIUM	29.7		0.46	0.46	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	ZINC	22.8		0.2	0.2	mg/Kg	K27
SS05OB	AW990	12/11/2001	CVOL	ACETONE	56		3.81	12	ug/Kg	K27
SS05OB	AW990	12/11/2001	CVOL	TOLUENE	6	J	2.37	12	ug/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	ARSENIC	5.7		0.33	0.33	mg/Kg	K27
SS05OB	AW990	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.18		0.0043	0.013	mg/Kg	K27
SS05OB	AW990	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	11.9	J	1.5	3.1	mg/Kg	K27
SS05OB	AW990	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	17300		0	0	mg/Kg	K27
SS05OB	AW990	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	128		1	2.1	mg/Kg	K27
SS05OB	AW990	12/11/2001	CL200.7	BARIUM	22.8		2	2	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	IRON	14700		3.7	3.7	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	COPPER	3.6	J	0.8	0.91	mg/Kg	K27
SS05OB	AW991	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	129		1	2.3	mg/Kg	K27
SS05OB	AW991	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	8450		0	0	mg/Kg	K27
SS05OB	AW991	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.7	J	1.5	2.6	mg/Kg	K27
SS05OB	AW991	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.19		0.0043	0.012	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	ALUMINUM	13200		4.9	4.9	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	ARSENIC	4.6		0.31	0.31	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	BARIUM	18.4		1.9	1.9	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	BERYLLIUM	0.45		0.04	0.04	mg/Kg	K27

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05OB	AW991	12/11/2001	CL200.7	CALCIUM	387		66.2	66.2	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	MAGNESIUM	1970		40.4	40.4	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	COBALT	4.8		0.52	0.52	mg/Kg	K27
SS05OB	AW991	12/11/2001	CVOL	TOLUENE	6	J	2.37	11	ug/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	LEAD	9.4	J	0.12	0.12	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	MANGANESE	94.9		0.29	0.29	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	NICKEL	7.6		0.42	0.42	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	POTASSIUM	882		48.4	48.4	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	SILVER	0.36	J	0.31	0.31	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	VANADIUM	25.4		0.44	0.44	mg/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	ZINC	20.2		0.19	0.19	mg/Kg	K27
SS05OB	AW991	12/11/2001	SW8270	DI-N-BUTYL PHTHALATE	19	J	19	390	ug/Kg	K27
SS05OB	AW991	12/11/2001	CVOL	ACETONE	34		3.81	11	ug/Kg	K27
SS05OB	AW991	12/11/2001	CL200.7	CHROMIUM, TOTAL	15.6		0.25	0.25	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	IRON	15300		3.8	3.8	mg/Kg	K27
SS05OB	AW992	12/11/2001	LYDKHN	TOTAL ORGANIC CARBON	11300		0	0	mg/Kg	K27
SS05OB	AW992	12/11/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.17		0.0043	0.012	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	ALUMINUM	14400		5	5	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	ARSENIC	5.2		0.32	0.32	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	BARIUM	19.1		1.9	1.9	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	BERYLLIUM	0.4		0.04	0.04	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	CALCIUM	204		67.9	67.9	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	CHROMIUM, TOTAL	16.2		0.26	0.26	mg/Kg	K27
SS05OB	AW992	12/11/2001	E350.2	NITROGEN, AMMONIA (AS N)	12	J	1.5	2.8	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	COPPER	4	J	0.8	0.94	mg/Kg	K27
SS05OB	AW992	12/11/2001	CVOL	TOLUENE	3	J	2.37	11	ug/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	LEAD	9.7	J	0.13	0.13	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	MAGNESIUM	1780		41.4	41.4	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	MANGANESE	81.5		0.3	0.3	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	NICKEL	7.9		0.43	0.43	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	POTASSIUM	915		49.6	49.6	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	VANADIUM	26.5		0.45	0.45	mg/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	ZINC	18		0.19	0.19	mg/Kg	K27
SS05OB	AW992	12/11/2001	SW8270	BENZOIC ACID	36	J	36	1000	ug/Kg	K27
SS05OB	AW992	12/11/2001	CVOL	ACETONE	35		3.81	11	ug/Kg	K27
SS05OB	AW992	12/11/2001	CL200.7	COBALT	4.4		0.53	0.53	mg/Kg	K27
SS05OB	AW992	12/11/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	156		1	2.4	mg/Kg	K27
SS15228-A	SS15228A_PE1	1/25/2007	SW6010B	BERYLLIUM	0.35	J	0.0082	0.4115	mg/Kg	J29
SS15228-A	SS15228A_PE1	1/25/2007	SW6010B	ARSENIC	4.2		0.23	0.823	mg/Kg	J29
SS15228-A	SS15228A_PE2	1/25/2007	SW6010B	ARSENIC	4.9		0.24	0.8403	mg/Kg	J29
SS15228-A	SS15228A_PE2	1/25/2007	SW6010B	BERYLLIUM	0.4	J	0.0084	0.4202	mg/Kg	J29

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15228-A	SS15228A_PE3	1/25/2007	SW6010B	ARSENIC	5.3		0.24	0.869	mg/Kg	J29
SS15228-A	SS15228A_PE3	1/25/2007	SW6010B	BERYLLIUM	0.4	J	0.0087	0.4345	mg/Kg	J29
SS287-A	ECC071803J101	7/25/2003	SW6010B	SODIUM	337		21.2	21.2	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW9010	CYANIDE	1.9		0.55	0.55	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	ARSENIC	4.9		0.23	0.23	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	ALUMINUM	14200		1.8	1.8	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	14	J	13	13	ug/Kg	
SS287-A	ECC071803J101	7/25/2003	SW8270C	NAPHTHALENE	49	J	34.7	380	ug/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	VANADIUM	22.6		0.21	0.21	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	SELENIUM	1.4		0.16	0.16	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	POTASSIUM	620		24.2	24.2	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	COBALT	3.7		0.17	0.17	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	BARIUM	15.6		0.71	0.71	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	BERYLLIUM	0.4		0.019	0.019	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	BORON	2.6		0.45	0.45	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	ZINC	30.8		0.55	0.55	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	CHROMIUM, TOTAL	16.3		0.058	0.058	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	NICKEL	6.8		0.19	0.19	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	COPPER	137		0.14	0.14	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	IRON	13900		1.6	1.6	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	LEAD	34.6		0.15	0.15	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	MAGNESIUM	1350		17.6	17.6	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	MANGANESE	63.5		0.068	0.068	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW7471	MERCURY	0.07		0.017	0.017	mg/Kg	
SS287-A	ECC071803J101	7/25/2003	SW6010B	CALCIUM	259		21.6	21.6	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW7471	MERCURY	0.15		0.018	0.018	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	SODIUM	488		23.4	23.4	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	ZINC	20.8		0.61	0.61	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	THALLIUM	0.3	U	0.3	0.3	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	SELENIUM	1.2		0.18	0.18	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	POTASSIUM	827		26.8	26.8	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	NICKEL	9.8		0.21	0.21	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	BERYLLIUM	0.5		0.021	0.021	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	VANADIUM	29.9		0.24	0.24	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	CHROMIUM, TOTAL	22.8		0.064	0.064	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	MANGANESE	82.3		0.075	0.075	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	BORON	5		0.536	0.536	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	BARIUM	20.3		0.75	0.78	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	ARSENIC	5.7		0.26	0.26	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	COBALT	5.4		0.19	0.19	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	ALUMINUM	19400		2	2	mg/Kg	

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	COPPER	3.9		0.15	0.15	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	E314.0	PERCHLORATE	2.4	J	1.7	4.9	ug/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	IRON	17900		1.8	1.8	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	LEAD	10.4		0.16	0.16	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	MAGNESIUM	2090		19.5	19.5	mg/Kg	
SS287-A	ECC071803J101(pre)	7/25/2003	SW6010B	CALCIUM	175		23.9	23.9	mg/Kg	
SS288-A	ECC071803J103	7/25/2003	SW6010B	MANGANESE	64.1		0.066	0.066	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW8270C	NAPHTHALENE	58	J	32.4	360	ug/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW8270C	ACENAPHTHYLENE	27	J	22.2	360	ug/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	ZINC	16.4		0.54	0.54	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	VANADIUM	13.3		0.21	0.21	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	SELENIUM	1.7		0.16	0.16	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	POTASSIUM	442		23.7	23.7	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	BARIUM	9.7		0.69	0.69	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW9010	CYANIDE	1.8		0.0678	0.51	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	NICKEL	4.3		0.19	0.19	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	ARSENIC	2.9		0.23	0.23	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW7471	MERCURY	0.04		0.017	0.017	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	BERYLLIUM	0.3		0.019	0.019	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	CADMIUM	0.35		0.028	0.028	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	CALCIUM	118		21.1	21.1	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	CHROMIUM, TOTAL	8.6		0.057	0.057	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	COBALT	2.6		0.17	0.17	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	COPPER	534		0.13	0.13	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	IRON	8090		1.6	1.6	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	LEAD	90.7		0.14	0.14	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	MAGNESIUM	851		17.2	17.2	mg/Kg	I8
SS288-A	ECC071803J103	7/25/2003	SW6010B	ALUMINUM	7780		1.7	1.7	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	NICKEL	5.7		0.19	0.19	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	ZINC	14.3		0.53	0.53	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	VANADIUM	18.2		0.21	0.21	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	THALLIUM	0.38		0.26	0.26	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	SODIUM	296		20.4	20.4	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	POTASSIUM	553		23.3	23.3	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	IRON	10500		1.6	1.6	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW7471	MERCURY	0.056		0.017	0.017	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	CALCIUM	156		20.8	20.8	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	BORON	3.5		0.43	0.43	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	BERYLLIUM	0.36		0.019	0.019	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	BARIUM	12.5		0.68	0.68	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	ALUMINUM	9910		1.7	1.7	mg/Kg	I8

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	MAGNESIUM	1140		17	17	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	CHROMIUM, TOTAL	11.5		0.056	0.056	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	COBALT	3.6		0.17	0.17	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	COPPER	25.2		0.13	0.13	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	E314.0	PERCHLORATE	2.2	J	1.6	4.4	ug/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	LEAD	10.9		0.14	0.14	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	MANGANESE	82.3		0.065	0.065	mg/Kg	I8
SS288-A	ECC071803J103(pre)	7/25/2003	SW6010B	ARSENIC	3.7		0.22	0.22	mg/Kg	I8
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	THALLIUM	1		0.414	0.414	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	POTASSIUM	1220		47.2	55.9	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CVOL	METHYLENE CHLORIDE	2	J	0.33	10	ug/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CVOL	ACETONE	12	J	4.34	10	ug/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	VANADIUM	14.3		0.36	0.584	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	CHROMIUM, TOTAL	10		0.14	0.301	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	ALUMINUM	5130		2.5	2.82	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	BARIUM	23.5		0.904	0.904	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	BERYLLIUM	0.37		0.03	0.0565	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	ZINC	21.8		0.29	0.452	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	CALCIUM	957		18.6	18.6	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	NICKEL	10.2		0.3	0.452	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	COBALT	3.7		0.26	0.508	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	COPPER	13.1		0.34	1.79	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	IRON	11000		3.92	3.92	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	LEAD	6.3		0.151	0.151	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	MAGNESIUM	2930		24.7	24.7	mg/Kg	L26
SS60MMWPTANKA	AC998	8/5/1999	CL200.7	MANGANESE	149		0.0753	0.0753	mg/Kg	L26
SSJ181MM	AJ302	9/11/2000	C200.7	ALUMINUM	14900		2.5	2.71	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	COBALT	3.9		0.26	0.419	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	BARIUM	21.2		1.18	2.55	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	BERYLLIUM	0.31		0.03	0.0598	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	BORON	30.8		0.63	0.857	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	NICKEL	6.8		0.3	0.937	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	CADMIUM	0.57		0.07	0.179	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	CALCIUM	148		29	65.4	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	CHROMIUM, TOTAL	15.6		0.14	0.339	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	ARSENIC	11.8		0.75	1.06	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	POTASSIUM	595		47.2	117	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	COPPER	71.1		0.34	0.379	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	MANGANESE	79.6		0.08	0.0996	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	MOLYBDENUM	3.4	J	0.458	0.458	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	VANADIUM	28.1		0.36	0.439	mg/Kg	J15

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ181MM	AJ302	9/11/2000	C200.7	ZINC	22		0.279	0.279	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	CVOL	ACETONE	50	J	4.34	8	ug/Kg	J15
SSJ181MM	AJ302	9/11/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	8	ug/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	LEAD	8.4		0.32	0.339	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	IRON	22500		4.21	5.2	mg/Kg	J15
SSJ181MM	AJ302	9/11/2000	C200.7	MAGNESIUM	1810		28.1	69.3	mg/Kg	J15
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	COBALT	0.84	J	0.19	4.3935	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	22		1.3	13	ug/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW8330	TETRYL	28		1	13	ug/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	ALUMINUM	8710		2.8	17.5739	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	ARSENIC	3.3		0.31	0.8787	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	BARIUM	11	J	0.54	17.5739	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	CHROMIUM, TOTAL	8.4		0.16	0.8787	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	COPPER	190		0.25	2.1967	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	IRON	9970		6.4	17.5739	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	LEAD	46.9		0.25	0.8787	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	MAGNESIUM	466		14.1	439.348	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	MANGANESE	30.3		0.053	1.318	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	MOLYBDENUM	0.7	J	0.19	0.8787	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	NICKEL	3.9		0.24	3.5148	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	POTASSIUM	291	J	16.2	439.348	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	SELENIUM	0.77	J	0.29	3.0754	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	VANADIUM	15.5		0.29	4.3935	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	ZINC	13.2		0.2	1.7574	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (post)	5/1/2007	SW6010B	CALCIUM	808		14.3	439.348	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	ZINC	8		0.22	1.8805	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	ALUMINUM	6750		3	18.8055	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	VANADIUM	15		0.31	4.7014	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	ARSENIC	3.1		0.33	0.9403	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	BARIUM	7.6	J	0.58	18.8055	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	CHROMIUM, TOTAL	6.6		0.17	0.9403	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	COBALT	0.67	J	0.21	4.7014	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	IRON	9130		6.8	18.8055	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	LEAD	10.8		0.27	0.9403	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	MAGNESIUM	315	J	15.1	470.137	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	MANGANESE	19.6		0.056	1.4104	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	MOLYBDENUM	0.77	J	0.21	0.9403	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	NICKEL	2.9	J	0.25	3.7611	mg/Kg	I8
SSJ1I18001	ECC041807J1SPL01 (pre)	4/30/2007	SW6010B	POTASSIUM	249	J	17.3	470.137	mg/Kg	I8
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW9012A	CYANIDE	1.9		0.62	0.62	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/1/2006	SW8270/PCN	PENTACHLORNAPHTHALENE, (TOTAL)	33	J	15	40	ug/Kg	J15

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	POTASSIUM	379		21.1	370.469	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	SELENIUM	0.92	J	0.26	2.5933	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/1/2006	SW8270/PCN	TETRACHLORNAPHTHALENE, (TOTAL)	95		10	40	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/1/2006	SW8270/PCN	TRICHLORONAPHTHALENE, (TOTAL)	130		4.5	40	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	VANADIUM	18.8		0.16	3.7047	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	ZINC	19.8		0.56	1.4819	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW7471A	MERCURY	0.061		0.02	0.0483	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	MANGANESE	46.6		0.052	1.1114	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	MAGNESIUM	790		11.7	370.469	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	MOLYBDENUM	0.83		0.17	0.7409	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	LEAD	6.7		0.2	0.7409	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	IRON	12900		2.7	14.8188	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/1/2006	SW8270/PCN	DICHLORONAPHTHALENE, (TOTAL)	12	J	10	40	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	CADMIUM	0.35	J	0.03	0.3705	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW8270C	BENZOIC ACID	370	UJ	370	1000	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	BARIUM	13.2	J	0.53	14.8188	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	ARSENIC	3.6		0.32	0.7409	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	ANTIMONY	0.35	J	0.26	4.4456	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	ALUMINUM	11000		3.4	14.8188	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW8270C	DIMETHYL PHTHALATE	340	J	104	400	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW8270C	ACETOPHENONE	320	NJ			ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	BERYLLIUM	0.27	J	0.015	0.3705	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	NICKEL	5.8		0.13	2.9638	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	CALCIUM	135	J	21.3	370.469	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	CHROMIUM, TOTAL	18.1		0.11	0.7409	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	COBALT	2.2	J	0.18	3.7047	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	COPPER	349		0.16	1.8523	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW9012A	CYANIDE	1.9		0.62	0.62	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	LEAD	6.7		0.2	0.7409	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	MAGNESIUM	790		11.7	370.469	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW8270C	DIMETHYL PHTHALATE	340	J	104	400	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW8270C	BENZOIC ACID	370	UJ	370	1000	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW8270C	ACETOPHENONE	320	NJ			ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	ZINC	19.8		0.56	1.4819	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	VANADIUM	18.8		0.16	3.7047	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	SELENIUM	0.92	J	0.26	2.5933	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	POTASSIUM	379		21.1	370.469	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	NICKEL	5.8		0.13	2.9638	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	MOLYBDENUM	0.83		0.17	0.7409	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	COPPER	349		0.16	1.8523	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	MANGANESE	46.6		0.052	1.1114	mg/Kg	J15

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	ALUMINUM	11000		3.4	14.8188	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	IRON	12900		2.7	14.8188	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	COBALT	2.2	J	0.18	3.7047	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	CHROMIUM, TOTAL	18.1		0.11	0.7409	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	CALCIUM	135	J	21.3	370.469	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	CADMIUM	0.35	J	0.03	0.3705	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	BERYLLIUM	0.27	J	0.015	0.3705	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	BARIUM	13.2	J	0.53	14.8188	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	ARSENIC	3.6		0.32	0.7409	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW6010B	ANTIMONY	0.35	J	0.26	4.4456	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/2/2006	SW7471A	MERCURY	0.061		0.02	0.0483	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/1/2006	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	33	J	15	40	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/1/2006	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	95		10	40	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/1/2006	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	12	J	10	40	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (post)	2/1/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	130		4.5	40	ug/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	VANADIUM	25.9		0.18	4.1428	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	SELENIUM	1.3	J	0.29	2.9	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	POTASSIUM	396	J	23.6	414.285	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	NICKEL	6.9		0.15	3.3143	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	MOLYBDENUM	0.82	J	0.19	0.8286	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	BERYLLIUM	0.35	J	0.017	0.4143	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	ZINC	12.6		0.62	1.6571	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	CHROMIUM, TOTAL	18.4		0.12	0.8286	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	MAGNESIUM	1110		13	414.285	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	LEAD	9.6		0.22	0.8286	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	IRON	16800		3	16.5714	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	COPPER	3.4		0.17	2.0714	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	COBALT	3.1	J	0.2	4.1428	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	MANGANESE	44.7		0.058	1.2429	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	BORON	3	J	0.33	8.2857	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	BARIUM	17		0.59	16.5714	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	ARSENIC	4.6		0.36	0.8286	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	ANTIMONY	0.44	J	0.29	4.9714	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	ALUMINUM	17100		3.8	16.5714	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	CALCIUM	63.1	J	23.8	414.285	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	CALCIUM	63.1	J	23.8	414.285	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	CHROMIUM, TOTAL	18.4		0.12	0.8286	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	ALUMINUM	17100		3.8	16.5714	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	ANTIMONY	0.44	J	0.29	4.9714	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	ARSENIC	4.6		0.36	0.8286	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	BARIUM	17		0.59	16.5714	mg/Kg	J15

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	BORON	3	J	0.33	8.2857	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	LEAD	9.6		0.22	0.8286	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	COBALT	3.1	J	0.2	4.1428	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	BERYLLIUM	0.35	J	0.017	0.4143	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	MANGANESE	44.7		0.058	1.2429	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	COPPER	3.4		0.17	2.0714	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	MOLYBDENUM	0.82	J	0.19	0.8286	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	POTASSIUM	396	J	23.6	414.285	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	SELENIUM	1.3	J	0.29	2.9	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	VANADIUM	25.9		0.18	4.1428	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	ZINC	12.6		0.62	1.6571	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	MAGNESIUM	1110		13	414.285	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	NICKEL	6.9		0.15	3.3143	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01 (pre)	2/1/2006	SW6010B	IRON	16800		3	16.5714	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01_D (post)	2/2/2006	SW6010B	COPPER	886		0.16	1.963	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01_D (post)	2/2/2006	SW6010B	LEAD	5.3		0.21	0.7852	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01_D (pre)	2/1/2006	SW6010B	LEAD	8.7		0.22	0.8003	mg/Kg	J15
SSJ1J15001	ECC012606J1SUP01_D (pre)	2/1/2006	SW6010B	COPPER	3		0.17	2.0006	mg/Kg	J15
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW8330	NITROGLYCERIN	0	U	1900	1900	ug/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	CALCIUM	243	J	83.6	472.961	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	BORON	22.2		0.14	9.4592	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	BERYLLIUM	0.075	J	0.028	0.473	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	BARIUM	12.6	J	1	18.9184	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	ARSENIC	5.6		0.27	0.9459	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	ALUMINUM	15000		3.5	18.9184	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	CHROMIUM, TOTAL	14.3		0.14	0.9459	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW7471A	MERCURY	0.023	J	0.019	0.0465	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	ANTIMONY	0.36	J	0.19	5.6755	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	COBALT	1.2	J	0.095	4.7296	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	COPPER	981		2.9	23.648	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	IRON	16000		1.8	18.9184	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	LEAD	222		1.8	9.4592	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	MANGANESE	35.6		0.019	1.4189	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	MOLYBDENUM	1.2		0.038	0.9459	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	NICKEL	4.8		0.076	3.7837	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	POTASSIUM	442	J	14.2	472.961	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	SELENIUM	3	J	0.26	3.3107	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	VANADIUM	25.9		0.066	4.7296	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	ZINC	18.1		0.047	1.8918	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW8270C	NAPHTHALENE	43	J	31	410	ug/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (post)	8/16/2007	SW6010B	MAGNESIUM	765		12.2	472.961	mg/Kg	J24

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	CHROMIUM, TOTAL	12.8		0.14	0.9353	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	CALCIUM	177	J	82.7	467.639	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	COBALT	1.2	J	0.094	4.6764	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	ANTIMONY	0.56	J	0.19	5.6117	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	BORON	2.8	J	0.14	9.3528	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	ALUMINUM	13300		3.5	18.7056	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	BARIUM	13.1	J	1	18.7056	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	POTASSIUM	442	J	14	467.639	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	COPPER	6.4		0.29	2.3382	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	VANADIUM	25.8		0.065	4.6764	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	NICKEL	4.4		0.075	3.7411	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	MOLYBDENUM	1.2		0.037	0.9353	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW7471A	MERCURY	0.028	J	0.018	0.0433	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	MANGANESE	39.5		0.019	1.4029	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	ARSENIC	4.9		0.27	0.9353	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	MAGNESIUM	800		12.1	467.639	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	LEAD	14.3		0.18	0.9353	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	IRON	15200		1.7	18.7056	mg/Kg	J24
SSJ1J24001	ECC080807J1SUP01 (pre)	8/15/2007	SW6010B	ZINC	11.7		0.047	1.8706	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	ALUMINUM	15000		3.4	18.2548	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	CHROMIUM, TOTAL	18		0.14	0.9127	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	MOLYBDENUM	0.72	J	0.037	0.9127	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW7471A	MERCURY	0.019	J	0.018	0.0438	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	MANGANESE	90.8		0.018	1.3691	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	LEAD	204		1.7	9.1274	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	COPPER	740		2.8	22.8185	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	COBALT	2.2	J	0.091	4.5637	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	CALCIUM	146	J	80.7	456.371	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	BORON	5.4	J	0.14	9.1274	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	BERYLLIUM	0.038	J	0.027	0.4564	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	BARIUM	13.1	J	1	18.2548	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	NICKEL	6.9		0.073	3.651	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	ANTIMONY	0.48	J	0.18	5.4765	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	MAGNESIUM	1330		11.8	456.371	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	ARSENIC	5.2		0.27	0.9127	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	SELENIUM	2.6	J	0.25	3.1946	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	VANADIUM	22.8		0.064	4.5637	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	ZINC	22.9		0.046	1.8255	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW8270C	DI-N-BUTYL PHTHALATE	24	J	22.8	400	ug/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	POTASSIUM	524		13.7	456.371	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	58	J	22.8	400	ug/Kg	J24

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-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1J24002	ECC080907J1SUP01 (post)	8/16/2007	SW6010B	IRON	18100		1.7	18.2548	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW7471A	MERCURY	0.043	J	0.019	0.0449	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW8270C	2-CHLOROBENZOIC ACID	460	J	420	2100	ug/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	VANADIUM	25		0.065	4.6774	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	POTASSIUM	468		14	467.744	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	ANTIMONY	0.58	J	0.19	5.6129	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	MOLYBDENUM	0.88	J	0.037	0.9355	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW8270C	DIETHYL PHTHALATE	620	NJ	0	0	ug/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	ALUMINUM	12800		3.5	18.7098	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	MANGANESE	46.7		0.019	1.4032	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	NICKEL	4.8		0.075	3.742	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	COBALT	1.4	J	0.094	4.6774	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	ZINC	13.7		0.047	1.871	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	ARSENIC	4.3		0.27	0.9355	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	IRON	13300		1.7	18.7098	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	COPPER	5.8		0.29	2.3387	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	LEAD	16.7		0.18	0.9355	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	CHROMIUM, TOTAL	12.6		0.14	0.9355	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	CALCIUM	180	J	82.7	467.744	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	CADMIUM	0.075	J	0.037	0.4677	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	BORON	2.7	J	0.14	9.3549	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	BARIUM	16.1	J	1	18.7098	mg/Kg	J24
SSJ1J24002	ECC080907J1SUP01 (pre)	8/15/2007	SW6010B	MAGNESIUM	804		12.1	467.744	mg/Kg	J24
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	CADMIUM	0.26	J	0.053	0.4392	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	COBALT	3.3	J	0.19	4.3924	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	CHROMIUM, TOTAL	15.1		0.16	0.8785	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	CALCIUM	244	J	14.3	439.244	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	COPPER	6.9		0.25	2.1962	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	BORON	2.2	J	0.66	8.7849	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	BERYLLIUM	0.4	J	0.018	0.4392	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	BARIUM	20.4		0.54	17.5698	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	ARSENIC	3.7		0.31	0.8785	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW8270C	BENZO(K)FLUORANTHENE	76	J	41.8	390	ug/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	IRON	12700		6.4	17.5698	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	ALUMINUM	12100		2.8	17.5698	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW8270C	FLUORANTHENE	55	J	21.5	390	ug/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW8270C	BENZO(A)PYRENE	35	J	19.1	390	ug/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	LEAD	9.4		0.25	0.8785	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW8270C	PYRENE	110	J	27.5	390	ug/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW8270C	CHRYSENE	110	J	28.7	390	ug/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW8270C	BENZO(B)FLUORANTHENE	78	J	40.6	390	ug/Kg	K27

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW8270C	BENZO(A)ANTHRACENE	49	J	21.5	390	ug/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW8270C	ACETOPHENONE	110	NJ			ug/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	VANADIUM	33.5		0.29	4.3924	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	POTASSIUM	731		16.2	439.244	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	NICKEL	9.6		0.24	3.514	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	MOLYBDENUM	0.55	J	0.19	0.8785	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW7471A	MERCURY	0.016	J	0.016	0.0377	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	ZINC	111		0.2	1.757	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	MANGANESE	106		0.053	1.3177	mg/Kg	K27
SSJ1K27001	ECC032901J1SUP01 (pre)	4/3/2007	SW6010B	MAGNESIUM	1770		14.1	439.244	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW8270C	FLUORANTHENE	33	J	22.5	410	ug/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	VANADIUM	25.5		0.3	4.6013	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	ZINC	113		0.21	1.8405	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW8270C	BENZO(A)ANTHRACENE	35	J	22.5	410	ug/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW8270C	BENZO(A)PYRENE	26	J	20	410	ug/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW8270C	BENZO(B)FLUORANTHENE	60	J	42.6	410	ug/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW8270C	BENZO(E)PYRENE	92	NJ			ug/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	CALCIUM	305	J	14.9	460.134	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW8270C	CHRYSENE	79	J	79	410	ug/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW8270C	PYRENE	89	J	28.8	410	ug/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	POTASSIUM	1850	J	170	4601.34	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	CADMIUM	0.46	J	0.055	0.4601	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW8270C	BENZO(K)FLUORANTHENE	57	J	43.8	410	ug/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	NICKEL	9.3		0.25	3.6811	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	MOLYBDENUM	0.93		0.2	0.9203	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW7471A	MERCURY	0.017	J	0.017	0.0406	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	MANGANESE	101		0.055	1.3804	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	MAGNESIUM	1890		14.8	460.134	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	LEAD	23.3		0.27	0.9203	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	IRON	14000		6.7	18.4054	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	CHROMIUM, TOTAL	16.9		0.17	0.9203	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	BORON	2.1	J	0.69	9.2027	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	BERYLLIUM	0.45	J	0.018	0.4601	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	BARIUM	20.4		0.57	18.4054	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	ARSENIC	4.2		0.32	0.9203	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	ALUMINUM	12700		3	18.4054	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	COPPER	44.6		0.26	2.3007	mg/Kg	K27
SSJ1K27001	ECC039207J1SUP01 (post)	4/3/2007	SW6010B	COBALT	3.4	J	0.2	4.6013	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	NICKEL	10		0.25	3.742	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	CHROMIUM, TOTAL	20.3		0.17	0.9355	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	ZINC	24.5		0.05	1.871	mg/Kg	K27

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	VANADIUM	25.4		0.31	4.6774	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	POTASSIUM	553		7.7	467.744	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	29	J	24.2	420	ug/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	MOLYBDENUM	1.1		0.21	0.9355	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	MANGANESE	95.8	J	0.056	1.4032	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	MAGNESIUM	1420	J	15	467.744	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	CADMIUM	0.1	J	0.056	0.4677	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	IRON	19900		1.5	18.7098	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	COPPER	292	J	0.26	2.3387	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	COBALT	2.2	J	0.21	4.6774	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	ALUMINUM	16000		3	18.7098	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	ARSENIC	4.6		0.33	0.9355	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	BARIUM	16.7	J	0.58	18.7098	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	BERYLLIUM	0.39	J	0.019	0.4677	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	LEAD	77.8	J	0.15	0.9355	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	SELENIUM	0.7	J	0.31	3.2742	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (post)	4/10/2007	SW6010B	CALCIUM	158	J	15.2	467.744	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	MANGANESE	58.1		0.057	1.426	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW7471A	MERCURY	0.023	J	0.021	0.051	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	MOLYBDENUM	0.91	J	0.21	0.9507	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	NICKEL	7.4		0.26	3.8026	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	POTASSIUM	509		7.9	475.33	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	VANADIUM	23.7		0.31	4.7533	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	37	J	24.2	420	ug/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	MAGNESIUM	1360		15.3	475.33	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	ZINC	17.2		0.05	1.9013	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	LEAD	9.4		0.15	0.9507	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	IRON	15100		1.5	19.0132	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	COPPER	4		0.27	2.3767	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	COBALT	2.2	J	0.21	4.7533	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	CHROMIUM, TOTAL	16.6		0.17	0.9507	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	CALCIUM	82.5	J	15.4	475.33	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	BERYLLIUM	0.37	J	0.019	0.4753	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	ALUMINUM	14700		3.1	19.0132	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	BORON	1.9	J	0.71	9.5066	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	ARSENIC	4.3		0.33	0.9507	mg/Kg	K27
SSJ1K27003	ECC040407J1SUP01 (pre)	4/10/2007	SW6010B	BARIUM	15.7	J	0.59	19.0132	mg/Kg	K27
SSJ1RD018	J1RD018_PE1	10/4/2006	SW6010B	COPPER	2.8		0.17	2.1068	mg/Kg	J17
SSJ1RD018	J1RD018_PE1	10/4/2006	SW6010B	LEAD	8.9		0.24	0.8427	mg/Kg	J17
SSJ1RD018	J1RD018_PE2	10/4/2006	SW6010B	COPPER	5.5		0.17	2.1626	mg/Kg	J17
SSJ1RD018	J1RD018_PE2	10/4/2006	SW6010B	LEAD	11.1		0.24	0.8651	mg/Kg	J17

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD018	J1RD018_PE3	10/4/2006	SW6010B	COPPER	6.8		0.17	2.1846	mg/Kg	J17
SSJ1RD018	J1RD018_PE3	10/4/2006	SW6010B	LEAD	11		0.24	0.8739	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	MANGANESE	77.6		0.078	1.6653	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	VANADIUM	24.7		0.3	5.5511	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	THALLIUM	0.72	J	0.71	1.1102	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	SELENIUM	0.47	J	0.47	0.5551	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	POTASSIUM	460	J	47.1	555.112	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	ZINC	22.2		0.18	2.2204	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	MOLYBDENUM	1.2		0.22	1.1102	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	COBALT	3.5	J	0.3	5.5511	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	MAGNESIUM	1500		23.3	555.112	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	LEAD	14.9		0.32	0.3331	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	IRON	14000		4.2	11.1022	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	COPPER	8.8		0.29	2.7756	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	CHROMIUM, TOTAL	13.7		0.13	1.1102	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	BORON	3.9	J	0.52	11.1022	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	BERYLLIUM	0.38	J	0.022	0.5551	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	BARIUM	15.4	J	0.93	22.2045	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	ARSENIC	5		0.47	1.1102	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	ALUMINUM	11700		9.8	22.2045	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	NICKEL	6.8		0.33	4.4409	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS1	4/11/2005	SW6010B	CALCIUM	111	J	23.4	555.112	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	NICKEL	5.8		0.31	4.1189	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	BARIUM	13.9	J	0.86	20.5944	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	CHROMIUM, TOTAL	9.8		0.12	1.0297	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	COBALT	3.4	J	0.28	5.1486	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	COPPER	8.3		0.27	2.5743	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	IRON	11300		3.9	10.2972	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	LEAD	12.6		0.3	0.3089	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	MAGNESIUM	1280		21.6	514.859	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	MOLYBDENUM	0.75	J	0.21	1.0297	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	POTASSIUM	530		43.7	514.859	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	BORON	3.5	J	0.48	10.2972	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	ZINC	22.2		0.16	2.0594	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	ARSENIC	4.1		0.43	1.0297	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	ALUMINUM	6520		9.1	20.5944	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	CALCIUM	391	J	21.7	514.859	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	BERYLLIUM	0.32	J	0.021	0.5149	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	VANADIUM	17.1		0.28	5.1486	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS2	4/11/2005	SW6010B	MANGANESE	121		0.072	1.5446	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	LEAD	10.3		0.34	0.3544	mg/Kg	J17

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	MANGANESE	69		0.083	1.7718	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	VANADIUM	15.7		0.32	5.906	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	POTASSIUM	488	J	50.2	590.598	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	NICKEL	4.8		0.35	4.7248	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	IRON	8590		4.5	11.812	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	MAGNESIUM	1090		24.8	590.598	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	ZINC	19.2		0.19	2.3624	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	BERYLLIUM	0.23	J	0.024	0.5906	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	MOLYBDENUM	0.61	J	0.24	1.1812	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	COPPER	7.1		0.31	2.953	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	BORON	2.8	J	0.56	11.812	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	BARIUM	11.9	J	0.99	23.6239	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	ARSENIC	2.3		0.5	1.1812	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	ALUMINUM	6930		10.4	23.6239	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	CALCIUM	160	J	24.9	590.598	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	CHROMIUM, TOTAL	9.1		0.14	1.1812	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS3	4/11/2005	SW6010B	COBALT	2.5	J	0.32	5.906	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	SODIUM	97.1	J	53.3	545.149	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	BORON	7.3	J	0.51	10.903	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	SELENIUM	0.76		0.46	0.5451	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	LEAD	23.8		0.32	0.3271	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	VANADIUM	42.5		0.29	5.4515	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	ZINC	32.7		0.17	2.1806	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	NICKEL	11.8		0.33	4.3612	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	MOLYBDENUM	2.7		0.22	1.0903	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	MANGANESE	113		0.076	1.6354	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	MAGNESIUM	2460		22.9	545.149	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	THALLIUM	1.1		0.7	1.0903	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	IRON	23800		4.1	10.903	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	COPPER	13		0.28	2.7257	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	COBALT	5.8		0.29	5.4515	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	CHROMIUM, TOTAL	24.1		0.13	1.0903	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	CADMIUM	0.16	J	0.065	0.5451	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	BERYLLIUM	0.62		0.022	0.5451	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	BARIUM	25.3		0.92	21.806	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	ARSENIC	9.4		0.46	1.0903	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	ALUMINUM	21400		9.6	21.806	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	POTASSIUM	830		46.3	545.149	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS4	4/11/2005	SW6010B	CALCIUM	195	J	23	545.149	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	SELENIUM	0.72		0.52	0.6176	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	THALLIUM	1.2	J	0.79	1.2353	mg/Kg	J17

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	NICKEL	10.6		0.37	4.941	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	VANADIUM	38.4		0.33	6.1763	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	ALUMINUM	20700		10.9	24.7051	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	POTASSIUM	679		52.4	617.627	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	MOLYBDENUM	2.2		0.25	1.2353	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW7471A	MERCURY	0.026	J	0.018	0.0421	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	MANGANESE	109		0.086	1.8529	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	MAGNESIUM	2070		26	617.627	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	LEAD	23.4		0.36	0.3706	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	IRON	22500		4.7	12.3525	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	BARIUM	20.8	J	1	24.7051	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	ZINC	31.4		0.2	2.4705	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	COPPER	12.8		0.32	3.0881	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	ARSENIC	8.1		0.52	1.2353	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	BERYLLIUM	0.47	J	0.025	0.6176	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	BORON	6.7	J	0.58	12.3525	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	CADMIUM	0.14	J	0.074	0.6176	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	CALCIUM	224	J	26.1	617.627	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	CHROMIUM, TOTAL	23.3		0.15	1.2353	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS5	4/11/2005	SW6010B	COBALT	4.5	J	0.33	6.1763	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	COPPER	3.7		0.24	2.2907	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	ARSENIC	2.1		0.38	0.9163	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	POTASSIUM	336	J	38.9	458.148	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	NICKEL	3.3	J	0.27	3.6652	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	ZINC	13		0.15	1.8326	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	MOLYBDENUM	0.5	J	0.18	0.9163	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	MANGANESE	91.3		0.064	1.3744	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	VANADIUM	9.6		0.25	4.5815	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	ALUMINUM	4570		8.1	18.3259	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	BERYLLIUM	0.22	J	0.018	0.4581	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	BORON	1.9	J	0.43	9.163	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	CALCIUM	153	J	19.3	458.148	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	COBALT	2.6	J	0.25	4.5815	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	IRON	6370		3.5	9.163	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	LEAD	5.1		0.27	0.2749	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	MAGNESIUM	710		19.3	458.148	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	CHROMIUM, TOTAL	5.7		0.11	0.9163	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS6	4/12/2005	SW6010B	BARIUM	8.5	J	0.77	18.3259	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	NICKEL	3.8	J	0.33	4.386	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	LEAD	5.5		0.32	0.3289	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	COBALT	2.8	J	0.3	5.4825	mg/Kg	J17

J - Estimated
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DL = Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	POTASSIUM	416	J	46.6	548.246	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	VANADIUM	18		0.3	5.4825	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	ZINC	13.6		0.18	2.193	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	ALUMINUM	8890		9.6	21.9298	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	ARSENIC	5.1		0.46	1.0965	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	IRON	12400		4.2	10.9649	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	BERYLLIUM	0.26	J	0.022	0.5482	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	COPPER	5.8		0.29	2.7412	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	BORON	3.4	J	0.52	10.9649	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	CALCIUM	184	J	23.1	548.246	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	CHROMIUM, TOTAL	10.1		0.13	1.0965	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	MOLYBDENUM	1.8		0.22	1.0965	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	MANGANESE	80.7		0.077	1.6447	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	MAGNESIUM	850		23	548.246	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS7	4/12/2005	SW6010B	BARIUM	10.8	J	0.92	21.9298	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	LEAD	13.6		0.3	0.3068	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	ALUMINUM	13600		9	20.453	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	ARSENIC	8.5		0.43	1.0227	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	BARIUM	13.4	J	0.86	20.453	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	BERYLLIUM	0.43	J	0.021	0.5113	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	BORON	6.9	J	0.48	10.2265	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	CADMIUM	0.14	J	0.061	0.5113	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	CALCIUM	101	J	21.6	511.326	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	CHROMIUM, TOTAL	14.5		0.12	1.0227	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	COBALT	3.7	J	0.28	5.1133	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	THALLIUM	1.1		0.65	1.0227	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	IRON	27600		3.9	10.2265	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	VANADIUM	26		0.28	5.1133	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	SELENIUM	0.58		0.43	0.5113	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	POTASSIUM	406	J	43.4	511.326	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	MAGNESIUM	1160		21.5	511.326	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	MANGANESE	121		0.072	1.534	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW7471A	MERCURY	0.019	J	0.018	0.0419	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	MOLYBDENUM	1.9		0.2	1.0227	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	NICKEL	5.9		0.31	4.0906	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	ZINC	20.4		0.16	2.0453	mg/Kg	J17
SSJ1RD018	SSJ1RD018-SS8	4/11/2005	SW6010B	COPPER	7.5		0.27	2.5566	mg/Kg	J17
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	ALUMINUM	17800		3.8	23.3984	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	ANTIMONY	0.56	J	0.4	7.0195	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	POTASSIUM	462	J	23	584.96	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	ARSENIC	5.6		0.35	1.1699	mg/Kg	

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	COPPER	238		0.3	2.9248	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	BARIUM	15.3	J	0.58	23.3984	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	BERYLLIUM	0.45	J	0.035	0.585	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	BORON	0.74	J	0.35	11.6992	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	CADMIUM	3.8		0.07	0.585	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	CALCIUM	153	J	16	584.96	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	VANADIUM	25.7		0.19	5.8496	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	COBALT	4.1	J	0.2	5.8496	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	ZINC	23.7		0.21	2.3398	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	IRON	16900		5.6	11.6992	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	LEAD	14.1		0.18	0.351	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	MAGNESIUM	1720		16.4	584.96	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	MANGANESE	76.2		0.059	1.7549	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW7471A	MERCURY	0.031	J	0.018	0.0434	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	MOLYBDENUM	0.76	J	0.16	1.1699	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	NICKEL	8.3		0.19	4.6797	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	SELENIUM	1.9		0.37	0.585	mg/Kg	
SSJ1RD024	ECC081304J203(post)	8/19/2004	SW6010B	CHROMIUM, TOTAL	19.3		0.13	1.1699	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	NICKEL	9.2		0.21	5.1367	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	ZINC	22.3		0.23	2.5684	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	VANADIUM	24.2		0.21	6.4209	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	SELENIUM	0.78		0.41	0.6421	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	POTASSIUM	683		25.2	642.088	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	CADMIUM	0.51	J	0.077	0.6421	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	MOLYBDENUM	0.64	J	0.18	1.2842	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	ALUMINUM	16500		4.2	25.6835	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	ANTIMONY	0.85	J	0.44	7.7051	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	ARSENIC	4.6		0.39	1.2842	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	BORON	1.9	J	0.39	12.8418	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	BARIUM	18.2	J	0.64	25.6835	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	CALCIUM	145	J	17.6	642.088	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	CHROMIUM, TOTAL	19.6		0.14	1.2842	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	COBALT	4.5	J	0.22	6.4209	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	COPPER	10.8		0.33	3.2104	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	IRON	15600		6.1	12.8418	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	LEAD	9.7		0.19	0.3853	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	MAGNESIUM	2230		18.1	642.088	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	MANGANESE	89.4		0.064	1.9263	mg/Kg	
SSJ1RD024	ECC081304J203(pre)	8/19/2004	SW6010B	BERYLLIUM	0.41	J	0.038	0.6421	mg/Kg	
SSJRANGEB	AD586	9/30/1999	CL200.7	MAGNESIUM	1090		28.1	45.2	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	MANGANESE	354		0.08	0.0908	mg/Kg	J14

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEB	AD586	9/30/1999	CL200.7	MOLYBDENUM	0.65	J	0.341	0.341	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	NICKEL	6.8		0.3	0.386	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	POTASSIUM	479		47.2	54.5	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	SELENIUM	1.2	J	0.545	0.545	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	THALLIUM	1.6		0.613	0.613	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	LEAD	12.3		0.211	0.211	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	41	J	41	380	ug/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	BARIUM	12		1.18	1.77	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	ZINC	26.7		0.29	0.337	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	IRON	31400		4.21	5.35	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	COPPER	734		0.34	0.432	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	COBALT	2.6		0.26	0.568	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	CHROMIUM, TOTAL	12.4		0.14	0.204	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	CALCIUM	204		29	52	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	CADMIUM	13.1		0.0632	0.0632	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	BERYLLIUM	0.1		0.03	0.0454	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	ARSENIC	3.7		0.432	0.432	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	VANADIUM	18.6		0.36	0.727	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	ALUMINUM	12500		2.5	3.25	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CSVOL	PHENOL	62	J	28.8	380	ug/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	BORON	8.1		0.613	0.613	mg/Kg	J14
SSJRANGEB	AD586	9/30/1999	CL200.7	SILVER	0.47	J	0.17	0.363	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	CALCIUM	97.6	J	29	51.1	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	SELENIUM	0.6	J	0.536	0.536	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	POTASSIUM	581		47.2	53.6	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	NICKEL	8.2		0.3	0.38	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	MOLYBDENUM	0.95		0.335	0.335	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	MANGANESE	71.4		0.08	0.0893	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	LEAD	14.2		0.228	0.228	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	COPPER	167		0.34	0.424	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	SILVER	0.46	J	0.17	0.357	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	CHROMIUM, TOTAL	18		0.14	0.201	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	MAGNESIUM	1530		28.1	44.4	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	CADMIUM	1.7		0.0683	0.0683	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	BORON	6.4		0.603	0.603	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	BERYLLIUM	0.32		0.03	0.0447	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	BARIUM	16.2		1.18	1.74	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	ARSENIC	5.7		0.424	0.424	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	ALUMINUM	17100		2.5	3.19	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	COBALT	3.4		0.26	0.558	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	ZINC	21.5		0.29	0.364	mg/Kg	J14

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEC	AD587	9/30/1999	CSVOL	NAPHTHALENE	26	J	26	380	ug/Kg	J14
SSJRANGEC	AD587	9/30/1999	CVOL	STYRENE	2	J	0.32	12	ug/Kg	J14
SSJRANGEC	AD587	9/30/1999	CVOL	TOLUENE	2	J	0.32	12	ug/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	IRON	14000		4.21	5.78	mg/Kg	J14
SSJRANGEC	AD587	9/30/1999	CL200.7	VANADIUM	25		0.36	0.715	mg/Kg	J14
SSJRANGED	04182	5/7/2003	CL200.7	NICKEL	6.1		0.48	0.48	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	ALUMINUM	4900		5.1	5.1	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	ARSENIC	2.4		0.86	0.86	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	BARIUM	7.4		2.5	2.5	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	BERYLLIUM	0.19		0.06	0.06	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	BORON	3.8		1.4	1.4	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	CALCIUM	336		56.1	56.1	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	ZINC	16.6		0.46	0.46	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	POTASSIUM	456		60.2	60.2	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	COBALT	2.2		0.53	0.53	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	VANADIUM	14.8		0.55	0.55	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	CHROMIUM, TOTAL	10.2		0.17	0.17	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	MOLYBDENUM	0.49	J	0.29	0.29	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	COPPER	5.6	J	0.44	0.44	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	IRON	8330		5.5	5.5	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	LEAD	5	J	0.26	0.26	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	MAGNESIUM	1470		54.3	54.3	mg/Kg	J28
SSJRANGED	04182	5/7/2003	CL200.7	MANGANESE	64.7		0.17	0.17	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	VANADIUM	9.5		0.55	0.55	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	BERYLLIUM	0.18		0.05	0.05	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	BORON	2.9		1.4	1.4	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	CHROMIUM, TOTAL	5.7		0.16	0.16	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	IRON	5570		5.5	5.5	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	COBALT	1.7		0.53	0.53	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	COPPER	9.7		0.44	0.44	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	ZINC	10.8		0.46	0.46	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	MANGANESE	68.3		0.16	0.16	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	NICKEL	2.9		0.48	0.48	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	POTASSIUM	565		59.9	59.9	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	ALUMINUM	4630		5.1	5.1	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	CALCIUM	425		55.8	55.8	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	LEAD	5		0.26	0.26	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	BARIUM	8.9		2.5	2.5	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	ARSENIC	2.9		0.86	0.86	mg/Kg	J28
SSJRANGED	04183	5/7/2003	CL200.7	MAGNESIUM	789		54	54	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	LEAD	4		0.25	0.25	mg/Kg	J28

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGED	04184	5/7/2003	CL200.7	ZINC	8.8		0.45	0.45	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	VANADIUM	11.1		0.54	0.54	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	POTASSIUM	554		59.2	59.2	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	NICKEL	2.6		0.47	0.47	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	MAGNESIUM	610		53.4	53.4	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	IRON	6050		5.4	5.4	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	COBALT	1.4		0.52	0.52	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	CHROMIUM, TOTAL	5.6		0.16	0.16	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	CALCIUM	218		55.2	55.2	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	BORON	3.9		1.4	1.4	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	BERYLLIUM	0.22		0.05	0.05	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	BARIUM	9.1		2.4	2.4	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	ARSENIC	2.7		0.85	0.85	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	ALUMINUM	4960		5	5	mg/Kg	J28
SSJRANGED	04184	5/7/2003	CL200.7	MANGANESE	38.7		0.16	0.16	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	ALUMINUM	3890		5.2	5.2	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	ARSENIC	2.1		0.88	0.88	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	BARIUM	7.8		2.5	2.5	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	BORON	3		1.4	1.4	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	CALCIUM	272		57.1	57.1	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	CHROMIUM, TOTAL	5.7		0.17	0.17	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	COBALT	1.8		0.54	0.54	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	IRON	6070		5.6	5.6	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	LEAD	4.7		0.26	0.26	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	MAGNESIUM	856		55.3	55.3	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	MANGANESE	68.1		0.17	0.17	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	NICKEL	3.4		0.49	0.49	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	POTASSIUM	523		61.3	61.3	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	VANADIUM	11.7		0.56	0.56	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	ZINC	10.5		0.47	0.47	mg/Kg	J28
SSJRANGED	04185	5/7/2003	CL200.7	BERYLLIUM	0.2		0.06	0.06	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	ZINC	9.6		0.46	0.46	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	VANADIUM	12.2		0.55	0.55	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	IRON	6240		5.4	5.4	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	LEAD	5.1		0.25	0.25	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	MAGNESIUM	844		53.8	53.8	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	MANGANESE	54.7		0.16	0.16	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	POTASSIUM	466		59.6	59.6	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	NICKEL	3.4		0.47	0.47	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	CHROMIUM, TOTAL	6.9		0.16	0.16	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	COBALT	1.7		0.53	0.53	mg/Kg	J28

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGED	04186	5/7/2003	CL200.7	ALUMINUM	4840		5	5	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	CALCIUM	207		55.6	55.6	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	BORON	3.4		1.4	1.4	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	BERYLLIUM	0.18		0.05	0.05	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	BARIUM	6.9		2.5	2.5	mg/Kg	J28
SSJRANGED	04186	5/7/2003	CL200.7	ARSENIC	2.7		0.86	0.86	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	POTASSIUM	582		61.8	61.8	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	VANADIUM	17.8		0.57	0.57	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	ALUMINUM	6520		5.2	5.2	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	ARSENIC	3		0.89	0.89	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	BARIUM	9.4		2.5	2.5	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	BERYLLIUM	0.25		0.06	0.06	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	LEAD	8.3		0.26	0.26	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	NICKEL	4.4		0.49	0.49	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	ZINC	11		0.47	0.47	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	BORON	4.6		1.4	1.4	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	MANGANESE	53.6		0.17	0.17	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	MAGNESIUM	1160		55.7	55.7	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	IRON	8040		5.6	5.6	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	COBALT	2.2		0.55	0.55	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	CHROMIUM, TOTAL	8.5		0.17	0.17	mg/Kg	J28
SSJRANGED	04187	5/7/2003	CL200.7	CALCIUM	190		57.6	57.6	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	NICKEL	6.5		0.54	0.54	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	BARIUM	16.9		2.8	2.8	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	POTASSIUM	964		68.6	68.6	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	MAGNESIUM	1670		61.8	61.8	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	LEAD	9.2		0.29	0.29	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	MANGANESE	81.1		0.19	0.19	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	COBALT	3.5		0.61	0.61	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	CALCIUM	270		63.9	63.9	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	BERYLLIUM	0.38		0.06	0.06	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	ARSENIC	4.7		0.9	0.98	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	ALUMINUM	11100		5.8	5.8	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	VANADIUM	24.5		0.63	0.63	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	IRON	11800		6.3	6.3	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	BORON	6.9		1.6	1.6	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	CHROMIUM, TOTAL	14.2		0.19	0.19	mg/Kg	J28
SSJRANGED	04188	5/7/2003	CL200.7	ZINC	16.5		0.52	0.52	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	LEAD	5.5		0.29	0.29	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	VANADIUM	15.8		0.62	0.62	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	ZINC	11.1		0.51	0.51	mg/Kg	J28

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGED	04189	5/7/2003	CL200.7	POTASSIUM	626		67.1	67.1	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	NICKEL	3.9		0.53	0.53	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	MAGNESIUM	1060		60.5	60.5	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	IRON	7290		6.1	6.1	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	COBALT	2		0.59	0.59	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	CHROMIUM, TOTAL	8.4		0.18	0.18	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	CALCIUM	208		62.6	62.6	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	BORON	4		1.5	1.5	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	BERYLLIUM	0.22		0.06	0.06	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	BARIUM	9		2.8	2.8	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	ALUMINUM	6170		5.7	5.7	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	ARSENIC	3.1		0.9	0.96	mg/Kg	J28
SSJRANGED	04189	5/7/2003	CL200.7	MANGANESE	60.6		0.18	0.18	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	CADMIUM	0.47		0.0637	0.0637	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	POTASSIUM	433		47.2	48.1	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	NICKEL	10.5		0.3	0.341	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	MOLYBDENUM	0.45		0.301	0.301	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	SW8330	TETRYL	890		94	120	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	ALUMINUM	14100		2.5	2.86	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	ARSENIC	2.3		0.381	0.381	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	BERYLLIUM	0.17		0.03	0.0401	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	VANADIUM	12.8		0.36	0.641	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	CALCIUM	206		29	45.9	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	CHROMIUM, TOTAL	12.1		0.14	0.18	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	COBALT	2.3		0.26	0.501	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	COPPER	4990		0.34	0.381	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	IRON	7870		4.21	5.39	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	LEAD	12.8		0.212	0.212	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	MAGNESIUM	972		28.1	39.9	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	BARIUM	9.5		1.18	1.56	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CVOL	CHLOROBENZENE	2	J	0.37	12	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CVOL	XYLENES, TOTAL	6	J	0.93	12	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CSVOL	2-METHYLNAPHTHALENE	18	J	18	350	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	ZINC	85.4		0.29	0.34	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CVOL	TRICHLOROETHENE(TCE)	2	J	0.23	12	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CVOL	TOLUENE	3	J	0.32	12	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CVOL	TETRACHLOROETHENE(PCE)	2	J	0.4	12	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	SELENIUM	3.9		0.481	0.481	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CVOL	ETHYLBENZENE	2	J	0.43	12	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	SILVER	0.61	J	0.17	0.321	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CVOL	BENZENE	2	J	0.41	12	ug/Kg	J28

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGED	AD588	9/30/1999	CSVOL	PYRENE	28	J	28	350	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CSVOL	PHENANTHRENE	40	J	25.3	350	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CSVOL	NAPHTHALENE	62	J	27.1	350	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CSVOL	FLUORANTHENE	18	J	18	350	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CSVOL	ACENAPHTHYLENE	45	J	24.6	350	ug/Kg	J28
SSJRANGED	AD588	9/30/1999	CL200.7	MANGANESE	140		0.08	0.0801	mg/Kg	J28
SSJRANGED	AD588	9/30/1999	CVOL	STYRENE	10	J	0.32	12	ug/Kg	J28
	ROWS 30 TO 44									
AM030801-01	03604	4/24/2003	CL200.7	IRON	11700		8	8	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	ZINC	16.7		0.64	0.64	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	VANADIUM	35.8		0.77	0.77	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	POTASSIUM	429	J	83.3	83.3	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	NICKEL	5.1		0.67	0.67	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	MOLYBDENUM	0.82		0.4	0.41	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	MANGANESE	30.1		0.26	0.26	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	MAGNESIUM	622		75.6	75.6	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	COPPER	28.5		0.38	0.38	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	BARIUM	18.1		3.5	3.5	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	ARSENIC	4.2		0.9	1.2	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	ALUMINUM	8800		6	12.9	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	BORON	3.9	J	2.2	2.2	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	COBALT	1.3	J	0.74	0.74	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	CHROMIUM, TOTAL	9.7		0.23	0.23	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	CALCIUM	450		78.1	78.1	mg/Kg	K41
AM030801-01	03604	4/24/2003	CL200.7	LEAD	31	J	0.3	0.36	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	BARIUM	12.5		3.4	3.4	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	ARSENIC	6		0.9	1.2	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	MANGANESE	32.3		0.25	0.25	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	ZINC	15.7		0.62	0.62	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	VANADIUM	26.9		0.75	0.75	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	SELENIUM	1.1	J	0.97	0.97	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	POTASSIUM	421	J	80.8	80.8	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	ALUMINUM	16900		6	12.5	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	MOLYBDENUM	1		0.4	0.4	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	MAGNESIUM	885		73.3	73.3	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	LEAD	11.5	J	0.3	0.35	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	IRON	15200		7.7	7.7	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	COPPER	4.5		0.37	0.37	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	COBALT	2.2		0.72	0.72	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	CHROMIUM, TOTAL	16.9		0.22	0.22	mg/Kg	K41
AM030801-01	03605	4/24/2003	CL200.7	BORON	4.1	J	2.1	2.1	mg/Kg	K41

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
AM030801-01	03605	4/24/2003	CL200.7	NICKEL	6.4		0.65	0.65	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	NICKEL	7.3		0.77	0.77	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	BARIUM	30.3		4	4	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	ZINC	64.4		0.7	0.74	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	MOLYBDENUM	0.84	J	0.4	0.48	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	POTASSIUM	664	J	96.7	96.7	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	CADMIUM	0.86		0.1	0.12	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	MANGANESE	46.6		0.3	0.3	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	ALUMINUM	7340		6	14.9	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	VANADIUM	35		0.89	0.89	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	COPPER	34.3		0.45	0.45	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	BORON	4.9	J	2.5	2.5	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	CALCIUM	1060		90.6	90.6	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	CHROMIUM, TOTAL	9.7		0.27	0.27	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	COBALT	1.4	J	0.86	0.86	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	IRON	8850		9.1	9.2	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	LEAD	26.6	J	0.3	0.42	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	MAGNESIUM	834		87.7	87.7	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL200.7	ARSENIC	3.7		0.9	1.4	mg/Kg	K41
AM030801-01	03606	4/24/2003	CL245.5	MERCURY	0.076	J	0.0258	0.07	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	MAGNESIUM	690		77.3	77.3	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	VANADIUM	31.7		0.79	0.79	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	POTASSIUM	397	J	85.2	85.2	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	NICKEL	5.2		0.68	0.68	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	MANGANESE	50.8		0.26	0.26	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	ZINC	26.7		0.65	0.65	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	LEAD	20.3	J	0.3	0.37	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	IRON	16700		8.1	8.1	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	COPPER	19.6		0.39	0.39	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	COBALT	1.5	J	0.76	0.76	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	CHROMIUM, TOTAL	11.6		0.24	0.24	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	BORON	3.9	J	2.2	2.2	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	BARIUM	18.3		3.5	3.5	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	ARSENIC	5.2		0.9	1.2	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	ALUMINUM	10600		6	13.2	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL245.5	MERCURY	0.059	J	0.0258	0.057	mg/Kg	K41
AM030801-01	03607	4/24/2003	CL200.7	MOLYBDENUM	0.8	J	0.4	0.42	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	COBALT	1.4	J	0.79	0.79	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	COPPER	152		0.41	0.41	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	IRON	13000		8.5	8.5	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	LEAD	25	J	0.3	0.38	mg/Kg	K41

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
AM030801-01	03608	4/24/2003	CL200.7	MAGNESIUM	630		80.9	80.9	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	MANGANESE	25.4		0.27	0.27	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	MOLYBDENUM	0.97	J	0.4	0.44	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	NICKEL	4		0.71	0.71	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	POTASSIUM	423	J	89.2	89.2	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	SILVER	0.68	J	0.3	0.47	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	ZINC	23.1		0.68	0.68	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	BARIUM	14.5		3.7	3.7	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	VANADIUM	34.6		0.82	0.82	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	BORON	3.9	J	2.3	2.3	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL245.5	MERCURY	0.07	J	0.0258	0.068	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	ALUMINUM	10500		6	13.8	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	ARSENIC	5.3		0.9	1.3	mg/Kg	K41
AM030801-01	03608	4/24/2003	CL200.7	CHROMIUM, TOTAL	10.7		0.25	0.25	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	BORON	3.6	J	2.4	2.4	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	COPPER	17.4		0.42	0.42	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	IRON	9600		8.8	8.8	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	BARIUM	21.5		3.8	3.8	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	MANGANESE	19.4		0.28	0.28	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	MAGNESIUM	335		83.4	83.4	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	NICKEL	3.3		0.73	0.73	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	POTASSIUM	352	J	92	92	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	VANADIUM	28.7		0.85	0.85	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	ZINC	13.1	J	0.7	0.71	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	COBALT	0.83	J	0.82	0.82	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	CHROMIUM, TOTAL	6.6		0.25	0.25	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	LEAD	30.7	J	0.3	0.4	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	ALUMINUM	5580		6	14.2	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL245.5	MERCURY	0.069	J	0.0258	0.063	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	ARSENIC	3.7		0.9	1.3	mg/Kg	K41
AM030801-01	03609	4/24/2003	CL200.7	MOLYBDENUM	0.75	J	0.4	0.45	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	VANADIUM	38.2		0.87	0.87	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	CALCIUM	566		88.8	88.8	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	ZINC	25.1		0.7	0.73	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	CHROMIUM, TOTAL	9.5		0.26	0.26	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	COBALT	1.5	J	0.84	0.84	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	COPPER	42.8		0.44	0.44	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	LEAD	45.2	J	0.3	0.41	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	ARSENIC	4.6		0.9	1.4	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	MAGNESIUM	750		85.9	85.9	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	MANGANESE	86.8		0.29	0.29	mg/Kg	K41

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
AM030801-01	03610	4/24/2003	CL200.7	MOLYBDENUM	1		0.4	0.47	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	NICKEL	5.6		0.76	0.76	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	IRON	14600		9	9	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	BARIUM	23		3.9	3.9	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	ALUMINUM	8910		6	14.6	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL245.5	MERCURY	0.077	J	0.0258	0.076	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	SILVER	0.98	J	0.3	0.49	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	POTASSIUM	434	J	94.7	94.7	mg/Kg	K41
AM030801-01	03610	4/24/2003	CL200.7	BORON	4.3	J	2.4	2.4	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL245.5	MERCURY	0.067	J	0.0258	0.056	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	MAGNESIUM	829		81.7	81.7	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	MANGANESE	40.2		0.28	0.28	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	MOLYBDENUM	0.97		0.4	0.44	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	NICKEL	7.1		0.72	0.72	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	POTASSIUM	446	J	90.1	90.1	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	BARIUM	22.2		3.7	3.7	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	LEAD	28.3	J	0.3	0.39	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	IRON	12700		8.6	8.6	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	COPPER	17.7		0.42	0.42	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	COBALT	1.8		0.8	0.8	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	VANADIUM	37.3		0.83	0.83	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	BORON	4	J	2.3	2.3	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	ARSENIC	5.3		0.9	1.3	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	ALUMINUM	10600		6	13.9	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	ZINC	18.5		0.69	0.69	mg/Kg	K41
AM030801-01	03611	4/24/2003	CL200.7	CHROMIUM, TOTAL	11.4		0.25	0.25	mg/Kg	K41
BH-31	AW100	11/7/2001	CVOL	ACETONE	10		3.81	9	ug/Kg	L39
BH-31	AW100	11/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	9	ug/Kg	L39
BH-31	AW100	11/7/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	27	J	27	340	ug/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	ZINC	10.5		0.18	0.18	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	VANADIUM	8.1		0.43	0.43	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	SELENIUM	0.31	J	0.24	0.24	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	POTASSIUM	396		47.4	47.4	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	NICKEL	4		0.43	0.43	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	MOLYBDENUM	0.59		0.18	0.18	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	MANGANESE	79.2	J	0.12	0.12	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	MAGNESIUM	671		39.6	39.6	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	LEAD	3.3	J	0.12	0.12	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	ARSENIC	1.4	J	0.3	0.3	mg/Kg	L39
BH-31	AW100	11/7/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.9	J	1.5	2.4	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	IRON	6780		3.2	3.2	mg/Kg	L39

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
BH-31	AW100	11/7/2001	CL200.7	ALUMINUM	3670	J	1.6	1.6	mg/Kg	L39
BH-31	AW100	11/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	94.3		1	2.1	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	BARIUM	9.4		0.81	0.81	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	BORON	0.69	J	0.45	0.45	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	CALCIUM	77.3	J	64.8	64.8	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	CHROMIUM, TOTAL	5.2		0.14	0.14	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	COBALT	2		0.28	0.28	mg/Kg	L39
BH-31	AW100	11/7/2001	CL200.7	COPPER	8.7		0.2	0.2	mg/Kg	L39
BH-31	AW100	11/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.033		0.0043	0.011	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	LEAD	3.2	J	0.12	0.12	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	MAGNESIUM	583		37.6	37.6	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	MANGANESE	70.9	J	0.12	0.12	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	NICKEL	4.2		0.41	0.41	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	VANADIUM	8.1		0.41	0.41	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	ZINC	9.5		0.17	0.17	mg/Kg	L39
BH-31	AW101	11/7/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	350	ug/Kg	L39
BH-31	AW101	11/7/2001	CVOL	ACETONE	12		3.81	9	ug/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	IRON	5770		3	3	mg/Kg	L39
BH-31	AW101	11/7/2001	CVOL	BROMOMETHANE	3	J	3	9	ug/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	ARSENIC	1.4	J	0.75	0.75	mg/Kg	L39
BH-31	AW101	11/7/2001	CVOL	BROMOFORM	1	J	1	9	ug/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	COPPER	11		0.19	0.19	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	COBALT	1.9		0.27	0.27	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	CHROMIUM, TOTAL	5.2		0.14	0.14	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	CALCIUM	70.5	J	61.6	61.6	mg/Kg	L39
BH-31	AW101	11/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	116		1	1.9	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	BARIUM	9.3		0.77	0.77	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	ALUMINUM	3450	J	1.5	1.5	mg/Kg	L39
BH-31	AW101	11/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.031		0.0043	0.011	mg/Kg	L39
BH-31	AW101	11/7/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.4	J	1.5	2.4	mg/Kg	L39
BH-31	AW101	11/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	9	ug/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	POTASSIUM	404		45	45	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	BORON	0.84	J	0.43	0.43	mg/Kg	L39
BH-31	AW101	11/7/2001	CL200.7	MOLYBDENUM	0.68		0.17	0.17	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	LEAD	2.9	J	0.12	0.12	mg/Kg	L39
BH-31	AW102	11/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	64.6		1	2	mg/Kg	L39
BH-31	AW102	11/7/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.3	J	1.5	2.5	mg/Kg	L39
BH-31	AW102	11/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.017		0.0043	0.01	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	ALUMINUM	2340	J	1.5	1.5	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	ARSENIC	0.53	J	0.29	0.29	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	BARIUM	8.9		0.78	0.78	mg/Kg	L39

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
BH-31	AW102	11/7/2001	CL200.7	CALCIUM	166		62.6	62.6	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	CHROMIUM, TOTAL	5		0.14	0.14	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	COBALT	1.8		0.27	0.27	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	IRON	5200		3.1	3.1	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	POTASSIUM	376		45.7	45.7	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	MAGNESIUM	689		38.2	38.2	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	MANGANESE	79.9	J	0.12	0.12	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	MOLYBDENUM	0.34	J	0.18	0.18	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	NICKEL	3.2		0.41	0.41	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	VANADIUM	7.2		0.41	0.41	mg/Kg	L39
BH-31	AW102	11/7/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	25	J	25	340	ug/Kg	L39
BH-31	AW102	11/7/2001	CVOL	ACETONE	7	J	3.81	10	ug/Kg	L39
BH-31	AW102	11/7/2001	CVOL	BROMOFORM	1	J	1	10	ug/Kg	L39
BH-31	AW102	11/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	10	ug/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	COPPER	4.8		0.2	0.2	mg/Kg	L39
BH-31	AW102	11/7/2001	CL200.7	ZINC	10.7		0.18	0.18	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	LEAD	3.4	J	0.12	0.12	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	ARSENIC	1.1	J	0.3	0.3	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	BARIUM	8.8		0.81	0.81	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	BORON	0.77	J	0.45	0.45	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	CADMIUM	0.11		0.04	0.04	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	CHROMIUM, TOTAL	6.5		0.14	0.14	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	ALUMINUM	2440	J	1.6	1.6	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	IRON	5580		3.2	3.2	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	CALCIUM	110	J	64.6	64.6	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	MAGNESIUM	554		39.4	39.4	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	MANGANESE	77.1	J	0.12	0.12	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	MOLYBDENUM	0.84		0.18	0.18	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	NICKEL	3.2		0.43	0.43	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	POTASSIUM	382		47.2	47.2	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	VANADIUM	6.4		0.43	0.43	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	ZINC	10		0.18	0.18	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	COPPER	5		0.2	0.2	mg/Kg	L39
BH-31	AW103	11/7/2001	CL200.7	COBALT	2.1		0.28	0.28	mg/Kg	L39
BH-32	AW273	11/14/2001	CL200.7	VANADIUM	10		0.43	0.43	mg/Kg	L37
BH-32	AW273	11/14/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	64.4		1	2.1	mg/Kg	L37
BH-32	AW273	11/14/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	10	ug/Kg	L37
BH-32	AW273	11/14/2001	CVOL	ACETONE	9	J	3.81	10	ug/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	ZINC	10.9		0.18	0.18	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	POTASSIUM	382		23.8	23.8	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	NICKEL	2.7	J	0.43	0.43	mg/Kg	L37

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
BH-32	AW273	11/14/2001	CL200.7	MANGANESE	105		0.12	0.12	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	MAGNESIUM	1030		39.6	39.6	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	LEAD	3.3	J	0.12	0.12	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	IRON	6440	J	3.2	3.2	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	ARSENIC	2.1	J	0.31	0.31	mg/Kg	L37
BH-32	AW273	11/14/2001	SW8270	DI-N-BUTYL PHTHALATE	48	J	48	340	ug/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	COPPER	3.4	J	0.2	0.2	mg/Kg	L37
BH-32	AW273	11/14/2001	E350.2	NITROGEN, AMMONIA (AS N)	3	J	1.5	2.5	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	ALUMINUM	3080		1.6	1.6	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	BARIUM	6.8		0.81	0.81	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	BERYLLIUM	0.22		0.04	0.04	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	BORON	4.3		0.45	0.45	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	CADMIUM	0.09	J	0.04	0.04	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	CALCIUM	136		64.9	64.9	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	CHROMIUM, TOTAL	2.8	J	0.14	0.14	mg/Kg	L37
BH-32	AW273	11/14/2001	CL200.7	COBALT	3.2	J	0.28	0.28	mg/Kg	L37
BH-32	AW273	11/14/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.079		0.0043	0.01	mg/Kg	L37
BH-32	AW274	11/14/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	9	ug/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	COBALT	2.7		0.29	0.29	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	POTASSIUM	615		24.3	24.3	mg/Kg	L37
BH-32	AW274	11/14/2001	CVOL	ACETONE	14	J	3.81	9	ug/Kg	L37
BH-32	AW274	11/14/2001	SW8270	DI-N-BUTYL PHTHALATE	18	J	18	350	ug/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	ZINC	15.1		0.19	0.19	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	VANADIUM	10.2		0.44	0.44	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	NICKEL	3.1	J	0.44	0.44	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	MOLYBDENUM	1	J	0.19	0.19	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	MANGANESE	131		0.12	0.12	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	MAGNESIUM	1250		40.4	40.4	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	LEAD	8.7	J	0.12	0.12	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	COPPER	4.8		0.21	0.21	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	CADMIUM	0.11		0.04	0.04	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	IRON	6820	J	3.3	3.3	mg/Kg	L37
BH-32	AW274	11/14/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	112		1	2.1	mg/Kg	L37
BH-32	AW274	11/14/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.1	J	1.5	2.5	mg/Kg	L37
BH-32	AW274	11/14/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.13		0.0043	0.01	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	ALUMINUM	4480		1.6	1.6	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	ARSENIC	2		0.31	0.31	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	BARIUM	11.6		0.83	0.83	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	BERYLLIUM	0.26	J	0.04	0.04	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	BORON	4.9		0.46	0.46	mg/Kg	L37
BH-32	AW274	11/14/2001	CL200.7	CALCIUM	103	J	66.3	66.3	mg/Kg	L37

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
BH-32	AW274	11/14/2001	CL200.7	CHROMIUM, TOTAL	6.1		0.15	0.15	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	IRON	6300	J	3.3	3.3	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	POTASSIUM	758		24.7	24.7	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	MANGANESE	152		0.13	0.13	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	LEAD	5.9	J	0.13	0.13	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	CHROMIUM, TOTAL	5.3		0.15	0.15	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	COPPER	6.5		0.21	0.21	mg/Kg	L37
BH-32	AW275	11/14/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	105		1	2.1	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	COBALT	2.8		0.3	0.3	mg/Kg	L37
BH-32	AW275	11/14/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.11		0.0043	0.011	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	ALUMINUM	3880		1.6	1.6	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	ARSENIC	1.8		0.32	0.32	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	BARIUM	13.2		0.85	0.85	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	BERYLLIUM	0.25	J	0.04	0.04	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	BORON	4.3		0.46	0.46	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	CADMIUM	0.06	J	0.04	0.04	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	CALCIUM	166		67.4	67.4	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	MAGNESIUM	1190		41.1	41.1	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	SILVER	0.57	J	0.32	0.32	mg/Kg	L37
BH-32	AW275	11/14/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	9	ug/Kg	L37
BH-32	AW275	11/14/2001	CVOL	ACETONE	12	J	3.81	9	ug/Kg	L37
BH-32	AW275	11/14/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	350	ug/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	VANADIUM	10.2		0.44	0.44	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	NICKEL	3	J	0.44	0.44	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	MOLYBDENUM	0.46	J	0.19	0.19	mg/Kg	L37
BH-32	AW275	11/14/2001	CL200.7	ZINC	11.7		0.19	0.19	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	COPPER	3.9		0.21	0.21	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	ALUMINUM	4010		1.6	1.6	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	BARIUM	14.5		0.85	0.85	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	BERYLLIUM	0.26	J	0.04	0.04	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	BORON	5.3		0.46	0.46	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	CADMIUM	0.12		0.04	0.04	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	CALCIUM	283		67.4	67.4	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	COBALT	2.6		0.3	0.3	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	IRON	7610	J	3.3	3.3	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	LEAD	4.6	J	0.13	0.13	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	VANADIUM	9		0.44	0.44	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	MAGNESIUM	1130		41.1	41.1	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	MANGANESE	163		0.13	0.13	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	MOLYBDENUM	1	J	0.19	0.19	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	NICKEL	3.1	J	0.44	0.44	mg/Kg	L37

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
BH-32	AW276	11/15/2001	CL200.7	ZINC	17.6		0.19	0.19	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	POTASSIUM	784		24.7	24.7	mg/Kg	L37
BH-32	AW276	11/15/2001	CL200.7	CHROMIUM, TOTAL	8		0.15	0.15	mg/Kg	L37
CP05CA	BC5AAA	1/20/1998	CL200.7	BARIUM	12.8		0.744	0.744	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	MANGANESE	55.8	J	0.0515	0.0515	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	MAGNESIUM	1050		21.8	21.8	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	LEAD	229	J	0.319	0.319	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	IRON	8380	J	4.4	4.4	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	COPPER	7.5		0.407	0.407	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	COBALT	2.8		0.301	0.301	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	MOLYBDENUM	0.71		0.266	0.266	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	CALCIUM	40.7		18.6	18.6	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	BERYLLIUM	0.19		0.0177	0.0177	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	PYRENE	380	J	380	380	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	ANTIMONY	1.9	J	0.62	0.62	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	ALUMINUM	7310	J	2.18	2.18	mg/Kg	
CP05CA	BC5AAA	1/20/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	
CP05CA	BC5AAA	1/20/1998	E350.2	NITROGEN, AMMONIA (AS N)	4.6	J	4.6	4.6	mg/Kg	
CP05CA	BC5AAA	1/20/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.1		80.1	80.1	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	CHROMIUM, TOTAL	9.7		0.189	0.189	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	CHRYSENE	1000		1000	1000	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	ARSENIC	2.4		0.638	0.638	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	NICKEL	6		0.361	0.361	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	PHENANTHRENE	35	J	35	35	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	INDENO(1,2,3-C,D)PYRENE	110	J	110	110	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	DIBENZ(A,H)ANTHRACENE	46	J	46	46	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	CARBAZOLE	21	J	21	21	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	BENZO(K)FLUORANTHENE	490		490	490	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	BENZO(G,H,I)PERYLENE	110	J	110	110	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	ZINC	14.5	J	0.549	0.549	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	POTASSIUM	280		38.9	38.9	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	FLUORANTHENE	250	J	250	250	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CL200.7	VANADIUM	11.8		0.283	0.283	mg/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	BENZO(B)FLUORANTHENE	570		570	570	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CPEST	HEPTACHLOR	1.1	J	1.1	1.1	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	ANTHRACENE	66	J	66	66	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	BENZO(A)ANTHRACENE	230	J	230	230	ug/Kg	
CP05CA	BC5AAA	1/20/1998	CSVOL	BENZO(A)PYRENE	97	J	97	97	ug/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	IRON	8580		127	127	mg/Kg	
CP05CB	BC5BAA	4/27/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.07	J	0.07	0.07	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	ZINC	15.9		1.67	1.67	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05CB	BC5BAA	4/27/1998	CL200.7	POTASSIUM	228		45.4	45.4	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	NICKEL	4.9		1.27	1.27	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	MOLYBDENUM	0.5	J	0.39	0.39	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	MANGANESE	64.3		1.56	1.56	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	MAGNESIUM	1050		18.8	18.8	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	LEAD	29.2		3.86	3.86	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	VANADIUM	11.3		0.75	0.75	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	COPPER	4.9		0.17	0.17	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	COBALT	1.9		0.33	0.33	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	CHROMIUM, TOTAL	10.2		0.21	0.21	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	CALCIUM	48.6	J	48.6	56.1	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	BORON	1.2	J	1.15	1.15	mg/Kg	
CP05CB	BC5BAA	4/27/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	99.1		99.1	99.1	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	BERYLLIUM	0.23		0.05	0.05	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	ALUMINUM	7910		39.1	39.1	mg/Kg	
CP05CB	BC5BAA	4/27/1998	CL200.7	BARIUM	11.3		0.59	0.59	mg/Kg	
CP05CP	BC5PAA	8/6/1998	CL200.7	SILVER	3.7	J	0.669	0.669	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101		101	101	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	COBALT	4.5		0.743	0.743	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	ZINC	249		0.419	0.419	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	VANADIUM	13.1		0.863	0.863	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	4.7	4.7	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	POTASSIUM	178		30.6	30.6	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	MOLYBDENUM	51.8	J	0.604	0.604	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	MANGANESE	408		0.129	0.129	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	MAGNESIUM	1620		42.9	42.9	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	LEAD	99.6		0.41	0.41	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	NICKEL	28.5		0.724	0.724	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	COPPER	1080		0.518	0.518	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.64		0.64	0.64	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	CHROMIUM, TOTAL	29.1		0.552	0.552	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	CALCIUM	285		16.1	16.1	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	CADMIUM	1.8		0.194	0.194	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	BORON	4.2		0.841	0.841	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	BERYLLIUM	0.15		0.0431	0.0431	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	BARIUM	69.5		0.712	0.712	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	ALUMINUM	13000		7.89	7.89	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL245.5	MERCURY	0.06	J	0.0519	0.0519	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	CL200.7	IRON	39700		13	13	mg/Kg	J39
CP05CP	BC5PAA	8/6/1998	SW8330	2,4-DINITROTOLUENE	550		91	91	ug/Kg	J39
CP05H	B05HAA	1/19/1998	CL200.7	LEAD	3.8		0.269	0.269	mg/Kg	L34

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05H	B05HAA	1/19/1998	CL200.7	ALUMINUM	2500		1.84	1.84	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	ARSENIC	1.2		0.539	0.539	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	BARIUM	4.6		0.629	0.629	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	CALCIUM	173		15.7	15.7	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	CHROMIUM, TOTAL	3.7	J	0.165	0.165	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	COBALT	1.6		0.254	0.254	mg/Kg	L34
CP05H	B05HAA	1/19/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.04	0.04	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	IRON	3910	J	3.83	3.83	mg/Kg	L34
CP05H	B05HAA	1/19/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	92	J	92	92	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	MAGNESIUM	442		19	19	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	MANGANESE	40.9	J	0.0449	0.0449	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	NICKEL	3.6	J	0.314	0.314	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	POTASSIUM	172	J	32.8	32.8	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	VANADIUM	6.5		0.24	0.24	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	ZINC	6.3		0.464	0.464	mg/Kg	L34
CP05H	B05HAA	1/19/1998	CL200.7	COPPER	3.2	J	0.344	0.344	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	CALCIUM	69.6		56.1	56.1	mg/Kg	L34
CP05H	B05HBA	3/10/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	64.5		64.5	64.5	mg/Kg	L34
CP05H	B05HBA	3/10/1998	E350.2	NITROGEN, AMMONIA (AS N)	6.5	J	6.5	6.5	mg/Kg	L34
CP05H	B05HBA	3/10/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.07		0.07	0.07	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	VANADIUM	5		0.75	0.75	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	ALUMINUM	2240		39.1	39.1	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	ARSENIC	1.1	J	0.33	0.33	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	NICKEL	1.6	J	1.27	1.27	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	BERYLLIUM	0.08	J	0.05	0.05	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	CHROMIUM, TOTAL	3		0.21	0.21	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	COBALT	1.3		0.33	0.33	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	COPPER	2.4		0.17	0.17	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	IRON	3260		127	127	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	LEAD	3.2		3.2	3.86	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	MAGNESIUM	409		18.8	18.8	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	MANGANESE	45.2		1.56	1.56	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	POTASSIUM	161		47.3	47.3	mg/Kg	L34
CP05H	B05HBA	3/10/1998	CL200.7	BARIUM	4.1		0.59	0.59	mg/Kg	L34
CP05I	B05IAA	1/19/1998	CL200.7	ALUMINUM	5200		1.82	1.82	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	ZINC	11		0.458	0.458	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	MANGANESE	88.3	J	0.0443	0.0443	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	VANADIUM	9.8		0.236	0.236	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	POTASSIUM	243	J	32.4	32.4	mg/Kg	L36
CP05I	B05IAA	1/19/1998	E350.2	NITROGEN, AMMONIA (AS N)	3.9	J	3.9	3.9	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	MOLYBDENUM	0.47	J	0.222	0.222	mg/Kg	L36

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05I	B05IAA	1/19/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	104	J	104	104	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	MAGNESIUM	734		18.7	18.7	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	LEAD	5.2		0.266	0.266	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	IRON	6580	J	3.78	3.78	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	COBALT	2.5		0.251	0.251	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	CHROMIUM, TOTAL	6.2	J	0.163	0.163	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	CALCIUM	60.2		15.5	15.5	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	BERYLLIUM	0.21		0.0148	0.0148	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	BARIUM	8.1		0.62	0.62	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	ARSENIC	1.8		0.532	0.532	mg/Kg	L36
CP05I	B05IAA	1/19/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	COPPER	3.5	J	0.34	0.34	mg/Kg	L36
CP05I	B05IAA	1/19/1998	CL200.7	NICKEL	3.7	J	0.31	0.31	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	VANADIUM	10.1		0.75	0.75	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	CHROMIUM, TOTAL	6.3		0.21	0.21	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	CALCIUM	46.5		46.5	56.1	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	BERYLLIUM	0.12	J	0.05	0.05	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	BARIUM	7.2		0.59	0.59	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	ARSENIC	1.9		0.33	0.33	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	ALUMINUM	5350		39.1	39.1	mg/Kg	L36
CP05I	B05IBA	3/10/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.03	0.03	mg/Kg	L36
CP05I	B05IBA	3/10/1998	E350.2	NITROGEN, AMMONIA (AS N)	12.1	J	12.1	12.1	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	COBALT	1.9		0.33	0.33	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	ZINC	10.3	J	1.67	1.67	mg/Kg	L36
CP05I	B05IBA	3/10/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	84.2		84.2	84.2	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	COPPER	2.7		0.17	0.17	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	POTASSIUM	224		46	46	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	NICKEL	2.9		1.27	1.27	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	MOLYBDENUM	0.56	J	0.39	0.39	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	MANGANESE	53.7		1.56	1.56	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	MAGNESIUM	640		18.8	18.8	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	LEAD	4.8		3.86	3.86	mg/Kg	L36
CP05I	B05IBA	3/10/1998	CL200.7	IRON	6220		127	127	mg/Kg	L36
CP05J	B05JAA	1/19/1998	CL200.7	COBALT	2.9		0.349	0.349	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	LEAD	23.7		0.37	0.37	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	ZINC	11.9		0.636	0.636	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	ALUMINUM	5880		2.53	2.53	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	ARSENIC	1.7		0.739	0.739	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	BARIUM	9		0.862	0.862	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	CHROMIUM, TOTAL	7.4	J	0.226	0.226	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	COPPER	4.8	J	0.472	0.472	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05J	B05JAA	1/19/1998	CL200.7	IRON	6720	J	5.26	5.26	mg/Kg	K35
CP05J	B05JAA	1/19/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	K35
CP05J	B05JAA	1/19/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	91.7	J	91.7	91.7	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	MANGANESE	85.6	J	0.0616	0.0616	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	NICKEL	4.3	J	0.431	0.431	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	POTASSIUM	240	J	45	45	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	VANADIUM	10.5		0.329	0.329	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	MAGNESIUM	918		26	26	mg/Kg	K35
CP05J	B05JAA	1/19/1998	CL200.7	CALCIUM	73.8		21.6	21.6	mg/Kg	K35
CP05J	B05JBA	3/10/1998	E350.2	NITROGEN, AMMONIA (AS N)	7.5	J	7.5	7.5	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	MAGNESIUM	601		18.8	18.8	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	MANGANESE	58.7		1.56	1.56	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	MOLYBDENUM	0.79		0.39	0.39	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	NICKEL	2.6	J	1.27	1.27	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	POTASSIUM	220		45.7	45.7	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	COBALT	1.9		0.33	0.33	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	VANADIUM	7.7		0.75	0.75	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	ZINC	9.5		1.67	1.67	mg/Kg	K35
CP05J	B05JBA	3/10/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	76.3		76.3	76.3	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	LEAD	11.3		3.86	3.86	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	COPPER	3.8		0.17	0.17	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	CHROMIUM, TOTAL	4.9		0.21	0.21	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	CALCIUM	54.5		54.5	56.1	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	BERYLLIUM	0.1	J	0.05	0.05	mg/Kg	K35
CP05J	B05JBA	3/10/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.03	0.03	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	ALUMINUM	3850		39.1	39.1	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	ARSENIC	2.2		0.33	0.33	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	BARIUM	6		0.59	0.59	mg/Kg	K35
CP05J	B05JBA	3/10/1998	CL200.7	IRON	4960		127	127	mg/Kg	K35
CP05K	B05KAA	1/19/1998	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	87	J	87	87	ug/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	MAGNESIUM	10400		25.7	25.7	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CSVOL	DI-N-BUTYL PHTHALATE	44	J	44	44	ug/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	MANGANESE	248	J	0.0607	0.0607	mg/Kg	K39
CP05K	B05KAA	1/19/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	706	J	706	706	mg/Kg	K39
CP05K	B05KAA	1/19/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.04	0.04	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	ALUMINUM	11800		2.49	2.49	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	ANTIMONY	1.3	J	0.709	0.709	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	BARIUM	77.7		0.85	0.85	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	CALCIUM	3150		21.3	21.3	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	CHROMIUM, TOTAL	153	J	0.223	0.223	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	COBALT	15.4		0.344	0.344	mg/Kg	K39

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05K	B05KAA	1/19/1998	CL200.7	COPPER	269	J	0.466	0.466	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	MOLYBDENUM	16.1	J	0.304	0.304	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	LEAD	14.2		0.364	0.364	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	ZINC	68.4		0.628	0.628	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	NICKEL	176	J	0.425	0.425	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	POTASSIUM	2470		44.4	44.4	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	VANADIUM	34.4		0.324	0.324	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	THALLIUM	1.5	J	1.28	1.28	mg/Kg	K39
CP05K	B05KAA	1/19/1998	CL200.7	IRON	23300	J	5.18	5.18	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	LEAD	5.2		3.86	3.86	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	MOLYBDENUM	0.55	J	0.39	0.39	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	NICKEL	5.1		1.27	1.27	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	POTASSIUM	389		32.1	32.1	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	VANADIUM	11.6		0.75	0.75	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	ZINC	19.5	J	1.67	1.67	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CSVOL	DI-N-BUTYL PHTHALATE	26	J	26	26	ug/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	MAGNESIUM	1080		18.8	18.8	mg/Kg	K39
CP05K	B05KBA	3/11/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	102	J	102	102	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	IRON	9530		127	127	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	COPPER	10.9		0.17	0.17	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	COBALT	3.5		0.33	0.33	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	CHROMIUM, TOTAL	8.4		0.21	0.21	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	CALCIUM	236		56.1	56.1	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	BERYLLIUM	0.19		0.05	0.05	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	BARIUM	9.3		0.59	0.59	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	ARSENIC	3.9	J	0.33	0.33	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	ALUMINUM	5600		39.1	39.1	mg/Kg	K39
CP05K	B05KBA	3/11/1998	CL200.7	MANGANESE	49.5		1.56	1.56	mg/Kg	K39
CP05L	B05LAA	1/20/1998	CL200.7	IRON	7710	J	4.28	4.28	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	VANADIUM	11.2		0.327	0.327	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	COBALT	3.2		0.348	0.348	mg/Kg	K40
CP05L	B05LAA	1/20/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	91.9		91.9	91.9	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	ZINC	11.4	J	0.634	0.634	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	POTASSIUM	335		44.8	44.8	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	NICKEL	4.3		0.351	0.351	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	MOLYBDENUM	0.47	J	0.307	0.307	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	MANGANESE	69.7	J	0.0502	0.0502	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	MAGNESIUM	1000		21.2	21.2	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	LEAD	5	J	0.368	0.368	mg/Kg	K40
CP05L	B05LAA	1/20/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.03	0.03	mg/Kg	K40
CP05L	B05LAA	1/20/1998	E350.2	NITROGEN, AMMONIA (AS N)	4.1	J	4.1	4.1	mg/Kg	K40

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05L	B05LAA	1/20/1998	CL200.7	COPPER	4		0.47	0.47	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	ALUMINUM	6910	J	2.51	2.51	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	ARSENIC	1.7		0.736	0.736	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	BARIUM	8.3		0.859	0.859	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	CALCIUM	49.1		21.5	21.5	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	CHROMIUM, TOTAL	8.1		0.184	0.184	mg/Kg	K40
CP05L	B05LAA	1/20/1998	CL200.7	BERYLLIUM	0.21		0.0204	0.0204	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	CHROMIUM, TOTAL	7.7		0.21	0.21	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	BARIUM	7.8		0.59	0.59	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	VANADIUM	11.4		0.75	0.75	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	POTASSIUM	272		22.9	22.9	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	NICKEL	4.1		1.27	1.27	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	MOLYBDENUM	0.29	J	0.29	0.39	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	MANGANESE	67.6		1.56	1.56	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	MAGNESIUM	863		18.8	18.8	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	LEAD	4.5		3.86	3.86	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	IRON	7480		127	127	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	CALCIUM	32		32	56.1	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	COBALT	2.9		0.33	0.33	mg/Kg	K40
CP05L	B05LBA	3/11/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.06	0.06	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	ALUMINUM	6060		39.1	39.1	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	ARSENIC	2.7	J	0.33	0.33	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	BERYLLIUM	0.19		0.05	0.05	mg/Kg	K40
CP05L	B05LBA	3/11/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	77.2	J	77.2	77.2	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	ZINC	14.9	J	1.67	1.67	mg/Kg	K40
CP05L	B05LBA	3/11/1998	CL200.7	COPPER	7.6		0.17	0.17	mg/Kg	K40
CP05M	B05MAA	1/20/1998	CL200.7	VANADIUM	3		0.262	0.262	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	CHROMIUM, TOTAL	2.3		0.188	0.188	mg/Kg	L41
CP05M	B05MAA	1/20/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	44.2		44.2	44.2	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	ALUMINUM	1830	J	2.01	2.01	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	BARIUM	4.1		0.688	0.688	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	BERYLLIUM	0.11		0.0164	0.0164	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	CALCIUM	30.3	J	17.2	17.2	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	COBALT	1.4		0.278	0.278	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	COPPER	4.1		0.377	0.377	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	IRON	2710	J	4.36	4.36	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	LEAD	1.8	J	0.295	0.295	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	MAGNESIUM	713		21.6	21.6	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	MANGANESE	41.9	J	0.0511	0.0511	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	NICKEL	2		0.358	0.358	mg/Kg	L41
CP05M	B05MAA	1/20/1998	CL200.7	POTASSIUM	201		35.9	35.9	mg/Kg	L41

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05M	B05MAA	1/20/1998	CL200.7	ZINC	8.6	J	0.508	0.508	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	VANADIUM	4.7		0.75	0.75	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	COBALT	1.1	J	0.33	0.33	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	CHROMIUM, TOTAL	2.2		0.21	0.21	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	ALUMINUM	1060		39.1	39.1	mg/Kg	L41
CP05M	B05MBA	3/11/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	55.2	J	55.2	55.2	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	BARIUM	2.7		0.59	0.59	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	IRON	2850		127	127	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	LEAD	1.3		1.3	3.86	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	MAGNESIUM	261		18.8	18.8	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	MANGANESE	41.2		1.56	1.56	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	CALCIUM	27		27	56.1	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	POTASSIUM	140		28.3	28.3	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	COPPER	2.1		0.17	0.17	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	ZINC	5.1	J	1.67	1.67	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	BERYLLIUM	0.09		0.05	0.05	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	ARSENIC	1.3	J	0.33	0.33	mg/Kg	L41
CP05M	B05MBA	3/11/1998	CL200.7	MOLYBDENUM	0.61		0.39	0.39	mg/Kg	L41
CP05N	B05NAA	1/20/1998	CL200.7	COBALT	3.5		0.298	0.298	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	CALCIUM	48.6		18.4	18.4	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	LEAD	14.7	J	0.316	0.316	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	MANGANESE	59.8	J	0.0595	0.0595	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	MOLYBDENUM	0.67		0.263	0.263	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL335.2	CYANIDE	0.83		0.689	0.689	mg/Kg	J39
CP05N	B05NAA	1/20/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	73.4		73.4	73.4	mg/Kg	J39
CP05N	B05NAA	1/20/1998	E350.2	NITROGEN, AMMONIA (AS N)	3.3	J	3.3	3.3	mg/Kg	J39
CP05N	B05NAA	1/20/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	ALUMINUM	9440	J	2.16	2.16	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	ARSENIC	2.4	J	0.632	0.632	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	NICKEL	6		0.416	0.416	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	BERYLLIUM	0.23		0.0175	0.0175	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	IRON	9060	J	5.08	5.08	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	CHROMIUM, TOTAL	10.5		0.218	0.218	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	COPPER	13.6		0.404	0.404	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	POTASSIUM	352		38.5	38.5	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	VANADIUM	15.3		0.281	0.281	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	ZINC	22.1	J	0.544	0.544	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	MAGNESIUM	1180		25.1	25.1	mg/Kg	J39
CP05N	B05NAA	1/20/1998	CL200.7	BARIUM	12.2		0.737	0.737	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	POTASSIUM	216		27.6	27.6	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	ALUMINUM	3180		39.1	39.1	mg/Kg	J39

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP05N	B05NBA	3/11/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	J39
CP05N	B05NBA	3/11/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	61.4	J	61.4	61.4	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	BARIUM	7.6		0.59	0.59	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	BERYLLIUM	0.16		0.05	0.05	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	CALCIUM	45.4		45.4	56.1	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	CHROMIUM, TOTAL	3.8		0.21	0.21	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	COBALT	4		0.33	0.33	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	COPPER	5		0.17	0.17	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	IRON	4340		127	127	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	LEAD	4.9		3.86	3.86	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	MAGNESIUM	1030		18.8	18.8	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	ARSENIC	1.1	J	0.33	0.33	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	NICKEL	3.8		1.27	1.27	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	VANADIUM	6.2		0.75	0.75	mg/Kg	J39
CP05N	B05NBA	3/11/1998	CL200.7	MANGANESE	76.8		1.56	1.56	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	ZINC	12.7		0.496	0.496	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	COPPER	32.5		0.368	0.368	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.06	0.06	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	ALUMINUM	2070		1.97	1.97	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	72.9	J	72.9	72.9	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	ARSENIC	1.1	J	0.576	0.576	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	BARIUM	55.6		0.672	0.672	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	BERYLLIUM	0.13		0.016	0.016	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	CADMIUM	0.88		0.048	0.048	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	CALCIUM	99		16.8	16.8	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CVOL	ACETONE	21	J	21	21	ug/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	COBALT	1.4		0.272	0.272	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	51	J	51	51	ug/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	IRON	2920		4.1	4.1	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	LEAD	20		0.288	0.288	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	MAGNESIUM	760		20.3	20.3	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	MANGANESE	122		0.048	0.048	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	NICKEL	2	J	0.336	0.336	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	POTASSIUM	275		35.1	35.1	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	VANADIUM	4.9		0.256	0.256	mg/Kg	J39
CP05N	BG5CAA	12/11/1997	CL200.7	CHROMIUM, TOTAL	4.9		0.176	0.176	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	COPPER	70.4		0.17	3.55	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	BARIUM	13.6	J	0.04	28.4	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	IRON	11500		4.84	14.2	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	COBALT	1.5	J	0.14	7.1	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	CALCIUM	131	UJ	1.49	710	mg/Kg	J39

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	MAGNESIUM	891		1.75	710	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	LEAD	10.8		0.28	1.42	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	CADMIUM	0.11	J	0.06	0.71	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	BORON	1.4	UJ	0.17	2.13	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	MANGANESE	44.3		0.04	2.13	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	BERYLLIUM	0.24	J	0.01	0.71	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	CHROMIUM, TOTAL	17.2		0.16	1.42	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_390_VOA	ACETONE	23.8		0.931	9.31	ug/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_390_VOA	BENZENE	5.77	J	0.931	9.31	ug/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_390_VOA	BROMOMETHANE	1.1	J	0.931	9.31	ug/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_390_VOA	STYRENE	1.04	J	0.931	9.31	ug/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_390_VOA	TOLUENE	3.53	J	0.931	9.31	ug/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	ALUMINUM	10900		2.13	28.4	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	ARSENIC	3.3		0.54	1.42	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	VANADIUM	16.7		0.13	7.1	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	POTASSIUM	407	J	2.71	710	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	SODIUM	71.4	UJ	43	710	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	ZINC	17.3		0.09	2.84	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	CLP_ILM04.1	NICKEL	21.2		0.17	5.68	mg/Kg	J39
J1 Polygon	J1.A.T1.014.3.0	3/7/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	20.2	J	19.1	374	ug/Kg	J39
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	BORON	2.3	UJ	0.21	2.06	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	MOLYBDENUM	0.97	UJ	0.11	0.69	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	MANGANESE	68.7		0.05	2.06	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	MAGNESIUM	1400		1.16	685	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	IRON	11200		3.45	13.7	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	COPPER	18.6		0.1	3.43	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	BERYLLIUM	0.27	J	0.01	0.69	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	ALUMINUM	10100		1.86	27.4	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	CALCIUM	150	J	1.08	685	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	COBALT	2	J	0.08	6.85	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	CHROMIUM, TOTAL	13.5	J	0.11	1.37	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	BARIUM	12.7	J	0.03	27.4	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	NICKEL	9.5	J	0.14	5.48	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	POTASSIUM	497	J	2.54	685	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.0HG	MERCURY	0.02	J	0.02	0.03	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_390_VOA	TRICHLOROETHENE(TCE)	2.9	J	0.97	9.7	ug/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_390_VOA	CHLOROMETHANE	2.6	J	0.97	9.7	ug/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_390_VOA	BROMOMETHANE	20		0.97	9.7	ug/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_390_VOA	ACETONE	120		0.97	9.7	ug/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_390_VOA	4-METHYL-2-PENTANONE	18	J	0.97	9.7	ug/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	THALLIUM	0.69	J	0.58	1.37	mg/Kg	K40

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	VANADIUM	19.7		0.18	6.85	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	ZINC	19.8		0.12	2.74	mg/Kg	K40
J1 Polygon	J1.A.T14.004.1.0	6/12/2002	CLP_ILM04.1	ARSENIC	3.4		0.48	1.37	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	POTASSIUM	628	J	2.6	703	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	CADMIUM	0.48	UJ	0.04	0.7	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_390_VOA	2-HEXANONE	13		0.91	9.1	ug/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_390_VOA	BENZENE	8.5	J	0.91	9.1	ug/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_390_VOA	BROMOMETHANE	4.6	J	0.91	9.1	ug/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.0HG	MERCURY	0.03	J	0.02	0.03	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	ALUMINUM	15100		1.91	28.1	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	ANTIMONY	0.34	J	0.32	8.43	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	ARSENIC	4.7		0.49	1.41	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	BARIUM	456		0.03	28.1	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	VANADIUM	22.7		0.18	7.03	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	BORON	1	UJ	0.21	2.11	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	30	J	19.4	379	ug/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	CALCIUM	124	J	1.11	703	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	CHROMIUM, TOTAL	18.1		0.11	1.41	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	COBALT	3.1	J	0.08	7.03	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	COPPER	342		0.1	3.51	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	IRON	14400		3.54	14.1	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	MAGNESIUM	1930		1.19	703	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	MANGANESE	72.8		0.06	2.11	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	NICKEL	10		0.14	5.62	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	SELENIUM	0.44	J	0.42	0.7	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	ZINC	63		0.13	2.81	mg/Kg	K40
J1 Polygon	J1.A.T14.004.3.0	6/13/2002	CLP_ILM04.1	BERYLLIUM	0.38	J	0.01	0.7	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	COPPER	37.4		0.1	3.65	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	MANGANESE	99.4		0.06	2.19	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_390_VOA	BROMOMETHANE	1.7	J	0.97	9.7	ug/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	ALUMINUM	11000		1.99	29.2	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	ANTIMONY	0.42	J	0.34	8.77	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	ARSENIC	4.1		0.51	1.46	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	BARIUM	15.3	J	0.03	29.2	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	BERYLLIUM	0.32	J	0.01	0.73	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	BORON	2.4	UJ	0.22	2.19	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	COBALT	2.7	J	0.09	7.31	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	CALCIUM	133	J	1.15	731	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	MAGNESIUM	1510		1.24	731	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	SW8270C	N-NITROSODIPHENYLAMINE	59.1	J	24	399	ug/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	MOLYBDENUM	1.6	J	0.12	0.73	mg/Kg	K40

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	NICKEL	12.7	J	0.15	5.85	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	POTASSIUM	563	J	2.7	731	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	SODIUM	85	UJ	39.6	731	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	VANADIUM	20.8		0.19	7.31	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	ZINC	30.6		0.13	2.92	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	SW8270C	2,4-DINITROTOLUENE	443		52.7	399	ug/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	SW8270C	DI-N-BUTYL PHTHALATE	618		50.3	399	ug/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	IRON	14100		3.68	14.6	mg/Kg	K40
J1 Polygon	J1.A.T14.005.1.0	6/12/2002	CLP_ILM04.1	CHROMIUM, TOTAL	26.1	J	0.12	1.46	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	MANGANESE	76.7		0.05	1.9	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	SW8270C	PHENANTHRENE	49.4	J	44.7	363	ug/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	SW8270C	DI-N-BUTYL PHTHALATE	121	J	45.8	363	ug/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	26.2	J	18.5	363	ug/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	ZINC	39.4		0.11	2.53	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	VANADIUM	14.5		0.16	6.34	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	SODIUM	50.7	UJ	34.3	634	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	NICKEL	6.9		0.13	5.07	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	MAGNESIUM	1120		1.08	634	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	IRON	10000		3.19	12.7	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	COPPER	21.3		0.09	3.17	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	COBALT	2	J	0.08	6.34	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_390_VOA	BROMOMETHANE	19		0.93	9.3	ug/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	POTASSIUM	547	J	2.34	634	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_390_VOA	BENZENE	8.5	J	0.93	9.3	ug/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	CHROMIUM, TOTAL	12.1		0.1	1.27	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_390_VOA	CHLOROMETHANE	2	J	0.93	9.3	ug/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_390_VOA	STYRENE	1.2	J	0.93	9.3	ug/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	ALUMINUM	9180		1.72	25.3	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	ARSENIC	3.9		0.44	1.27	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	BARIUM	40.2		0.03	25.3	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	BERYLLIUM	0.27	J	0.01	0.63	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	CADMIUM	2.6		0.04	0.63	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_ILM04.1	CALCIUM	232	J	1	634	mg/Kg	K40
J1 Polygon	J1.A.T14.005.3.0	6/13/2002	CLP_390_VOA	ACETONE	37	UJ	0.93	9.3	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	ZINC	23.5		0.13	2.86	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	COBALT	3.6	J	0.09	7.15	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	COPPER	25.6		0.1	3.57	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	IRON	13700		3.6	14.3	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	MAGNESIUM	1430		1.21	715	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	MOLYBDENUM	13.6	J	0.11	0.71	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	POTASSIUM	510	J	2.64	715	mg/Kg	K40

J - Estimated
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UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	VANADIUM	20.5		0.19	7.15	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	CHROMIUM, TOTAL	74.4	J	0.11	1.43	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	23.5	J	19.3	379	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	MANGANESE	74.8		0.06	2.14	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	SODIUM	63.7	UJ	38.7	715	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	CALCIUM	140	J	1.13	715	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	NICKEL	71.4	J	0.14	5.72	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_390_VOA	BENZENE	1.2	J	1.12	11	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_390_VOA	BROMOMETHANE	5.4	J	1.12	11	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.0HG	MERCURY	0.02	J	0.02	0.03	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_390_VOA	ACETONE	280	J	1.12	11	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	ALUMINUM	10200		1.94	28.6	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	ANTIMONY	0.33	J	0.33	8.57	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	ARSENIC	3.7		0.5	1.43	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	BARIUM	12.6	J	0.03	28.6	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	BERYLLIUM	0.29	J	0.01	0.71	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_ILM04.1	BORON	2.3	UJ	0.21	2.14	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.0	6/12/2002	CLP_390_VOA	CHLOROMETHANE	1.4	J	1.12	11	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	IRON	15400		3.43	13.6	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	POTASSIUM	594	J	2.52	680	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	MAGNESIUM	1550		1.16	680	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	MANGANESE	84.4		0.05	2.04	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	MOLYBDENUM	0.78	UJ	0.11	0.68	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	NICKEL	8.4	J	0.14	5.44	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	THALLIUM	0.94	J	0.57	1.36	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	VANADIUM	24.3		0.18	6.8	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	ZINC	23.8		0.12	2.72	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	SW8270C	2,4-DINITROTOLUENE	155	J	50.3	381	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	SW8270C	BENZO(G,H,I)PERYLENE	176	J	80	381	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	CHROMIUM, TOTAL	15.7	J	0.11	1.36	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	SW8270C	DI-N-BUTYL PHTHALATE	302	J	48	381	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	SW8270C	N-NITROSODIPHENYLAMINE	27	J	22.9	381	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	SW8270C	BENZO(A)PYRENE	108	J	32	381	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_390_VOA	TRICHLOROETHENE(TCE)	1.8	J	1.27	13	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	COPPER	22.2		0.1	3.4	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	COBALT	2.5	J	0.08	6.8	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_390_VOA	TETRACHLOROETHENE(PCE)	1.4	J	1.27	13	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_390_VOA	4-METHYL-2-PENTANONE	26	J	1.27	13	ug/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	ALUMINUM	10800		1.85	27.2	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	ANTIMONY	0.36	J	0.31	8.16	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	ARSENIC	5.1		0.48	1.36	mg/Kg	K40

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

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J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	BARIUM	13.9	J	0.03	27.2	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	BERYLLIUM	0.36	J	0.01	0.68	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	BORON	2.5	UJ	0.2	2.04	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_ILM04.1	CALCIUM	192	J	1.07	680	mg/Kg	K40
J1 Polygon	J1.A.T14.006.1.D	6/12/2002	CLP_390_VOA	ACETONE	280	J	1.27	13	ug/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	BORON	1.9	UJ	0.19	1.95	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	COPPER	16.6		0.09	3.24	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	COBALT	1.8	J	0.08	6.49	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	CHROMIUM, TOTAL	12		0.1	1.3	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	CALCIUM	107	J	1.02	649	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	BARIUM	12.3	J	0.03	25.9	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	ARSENIC	3.4		0.45	1.3	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	ALUMINUM	9970		1.76	25.9	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_390_VOA	BROMOMETHANE	1.7	J	1.13	11	ug/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_390_VOA	2-HEXANONE	25		1.13	11	ug/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	IRON	10600		3.27	13	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	CADMIUM	0.12	UJ	0.04	0.65	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	87.4	J	19	372	ug/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	MANGANESE	58.2		0.05	1.95	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	MOLYBDENUM	0.57	UJ	0.1	0.65	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	NICKEL	6.9		0.13	5.19	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	POTASSIUM	449	J	2.4	649	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	VANADIUM	17.2		0.17	6.49	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	BERYLLIUM	0.29	J	0.01	0.65	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	ZINC	17.9		0.12	2.59	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.0	6/13/2002	CLP_ILM04.1	MAGNESIUM	1170		1.1	649	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	COPPER	15.2		0.1	3.6	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	IRON	11700		3.63	14.4	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	MAGNESIUM	1260		1.22	721	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	MANGANESE	60.8		0.06	2.16	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	MOLYBDENUM	0.71	UJ	0.12	0.72	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	NICKEL	7.4		0.14	5.76	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	POTASSIUM	449	J	2.67	721	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	VANADIUM	18.1		0.19	7.2	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	COBALT	2	J	0.09	7.2	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	41.6	J	19.1	375	ug/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	ZINC	19.4		0.13	2.88	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	SW8270C	BENZO(A)PYRENE	82.4	J	31.5	375	ug/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	ALUMINUM	10500		1.96	28.8	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	CHROMIUM, TOTAL	12.8		0.12	1.44	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	SW8270C	BENZO(G,H,I)PERYLENE	112	J	78.7	375	ug/Kg	K40

J - Estimated
NJ = Estimated Result
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_390_VOA	ACETONE	51	UJ	1.15	12	ug/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_390_VOA	BROMOMETHANE	2.3	J	1.15	12	ug/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_390_VOA	2-HEXANONE	16		1.15	12	ug/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	ANTIMONY	0.36	J	0.33	8.65	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	ARSENIC	3.5		0.5	1.44	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	BARIUM	12.8	J	0.03	28.8	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	BERYLLIUM	0.29	J	0.01	0.72	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	BORON	2.1	UJ	0.22	2.16	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	CADMIUM	0.16	UJ	0.04	0.72	mg/Kg	K40
J1 Polygon	J1.A.T14.006.3.D	6/13/2002	CLP_ILM04.1	CALCIUM	112	J	1.14	721	mg/Kg	K40
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,4,6,7,8-HpCDD	5580		0.36399	0.21199	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8270C	BENZO(G,H,I)PERYLENE	183	J	79.2	377	ug/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	ALUMINUM	9170		1.79	26.3	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	19.2	J	19.2	377	ug/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.0HG	MERCURY	0.05		0.02	0.03	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8270C	BENZO(A)PYRENE	40.7	J	31.7	377	ug/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,4,6,7,8-HpCDF	587		0.17007	2.80634	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,4,7,8,9-HpCDF	38.4		0.10066	3.65343	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,4,7,8-HxCDD	5.64		0.18989	0.64342	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	ZINC	169		0.12	2.63	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,6,7,8-HxCDD	164		0.21128	0.56659	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	COBALT	2.5	J	0.08	6.58	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,6,7,8-HxCDF	3.48		0.24521	0.47315	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,7,8,9-HxCDD	55.9		0.43461	0.57948	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,4,7,8-HxCDF	14.5		0.17912	0.54624	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	VANADIUM	16.9		0.17	6.58	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	POTASSIUM	403	J	2.43	658	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	NICKEL	5.4	J	0.13	5.26	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	MANGANESE	76.4		0.05	1.97	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	MAGNESIUM	1080		1.12	658	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	COPPER	4.8		0.09	3.29	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	CHROMIUM, TOTAL	11.3	J	0.11	1.32	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	CALCIUM	184	J	1.04	658	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	BORON	2.6	J	0.2	1.97	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	BERYLLIUM	0.29	J	0.01	0.66	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	BARIUM	13.4	J	0.03	26.3	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	ARSENIC	3.4		0.46	1.32	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,7,8,9-HxCDF	10.5		0.27802	0.64426	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	Total PeCDDs	75.7			0.21199	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	IRON	10600		3.31	13.2	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	Total HxCDFs	591			0.54845	PG/G	H38

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	Total HxCDDs	483			0.59474	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	Total TCDFs	10.4			0.23641	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,7,8-PeCDD	0.839		0.28562	0.21199	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	Total PeCDFs	17.2			0.42499	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	CLP_ILM04.1	LEAD	9.9		0.2	1.32	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	Total HpCDFs	3250			3.17434	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	Total HpCDDs	8420			0.21199	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	OCDF	2420	J	0.56227	0.42397	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	OCDD	40800	J	0.90598	0.47671	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	2,3,7,8-TCDF	1.26		0.07954	0.23641	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	2,3,4,7,8-PeCDF	2.66		0.15664	0.42855	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	2,3,4,6,7,8-HxCDF	9.82		0.21673	0.55608	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	1,2,3,7,8-PeCDF	0.536		0.26289	0.42143	PG/G	H38
J1 Polygon	J1.F.T10.XC1.1.0	6/11/2002	SW8290	Total TCDDs	47.8			0.31713	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	1,2,3,4,6,7,8-HpCDD	8.22		0.30475	0.17748	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	1,2,3,4,6,7,8-HpCDF	0.812		0.14239	0.17748	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	1,2,3,4,7,8,9-HpCDF	0.0809		0.08427	0.17748	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	1,2,3,4,7,8-HxCDF	0.0355	J	0.14997	0.177	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	1,2,3,6,7,8-HxCDD	0.278		0.17689	0.17748	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	1,2,3,6,7,8-HxCDF	0.0568	J	0.2053	0.177	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	OCDF	4.57		0.47076	0.35497	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	OCDD	182		0.75853	0.35497	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	Total HpCDDs	12.8			0.17748	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	ZINC	6.5		0.1	2.24	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	Total HxCDDs	0.278			0.50973	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	CHROMIUM, TOTAL	1.7	J	0.09	1.12	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	Total HpCDFs	3.77			0.17748	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	VANADIUM	3.8	J	0.15	5.59	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	Total HxCDFs	0.62			0.17748	PG/G	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	POTASSIUM	131	J	2.07	559	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	NICKEL	1.5	J	0.11	4.47	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	MANGANESE	41.3		0.04	1.68	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	MAGNESIUM	396	J	0.95	559	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	COBALT	0.93	J	0.07	5.59	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	BERYLLIUM	0.1	J	0.01	0.56	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	BARIUM	2.5	J	0.02	22.4	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	ARSENIC	1.1		0.39	1.12	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	ANTIMONY	0.3	J	0.26	6.71	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	ALUMINUM	1400		1.52	22.4	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	LEAD	1.6	J	0.17	1.12	mg/Kg	H38
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	CLP_ILM04.1	IRON	2990		2.82	11.2	mg/Kg	H38

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1 Polygon	J1.F.T10.XC1.2.0	6/11/2002	SW8290	2,3,4,7,8-PeCDF	0.0426	J	0.13114	0.177	PG/G	H38
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	BARIUM	10.6	J	0.02	24.9	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	LEAD	8.1	J	0.19	1.24	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	ZINC	16.6		0.11	2.49	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	VANADIUM	11.8		0.16	6.21	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	POTASSIUM	381	J	2.3	621	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	NICKEL	4.8	J	0.12	4.97	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	MAGNESIUM	918		1.06	621	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	IRON	7860		3.13	12.4	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	BERYLLIUM	0.23	J	0.01	0.62	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	ARSENIC	2.3		0.43	1.24	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	MANGANESE	84.7		0.05	1.86	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.0HG	MERCURY	0.02	J	0.02	0.03	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	COPPER	22.3		0.09	3.11	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	CADMIUM	0.7		0.04	0.62	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	CHROMIUM, TOTAL	7.8		0.1	1.24	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	COBALT	2.2	J	0.07	6.21	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.1.0	6/5/2002	CLP_ILM04.1	ALUMINUM	6510		1.69	24.9	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	IRON	3100		2.97	11.8	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	CHROMIUM, TOTAL	2		0.09	1.18	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	ALUMINUM	1460		1.6	23.6	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	ARSENIC	0.94	J	0.41	1.18	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	LEAD	2.2	J	0.18	1.18	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	BERYLLIUM	0.14	J	0.01	0.59	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	COBALT	1.1	J	0.07	5.89	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	VANADIUM	4.3	J	0.15	5.89	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	BARIUM	3.5	J	0.02	23.6	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	MANGANESE	40.9		0.05	1.77	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	NICKEL	1.6	J	0.12	4.71	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	POTASSIUM	178	J	2.18	589	mg/Kg	J40
J1 Polygon	J1.F.T14.XC1.2.0	6/5/2002	CLP_ILM04.1	ZINC	5.7		0.11	2.36	mg/Kg	J40
J1A200128	AS629	8/27/2001	SW8330	TETRYL	200		28.5	120	ug/Kg	J40
J1P-15	AW032	11/1/2001	CL200.7	CHROMIUM, TOTAL	9.5	J	0.12	0.12	mg/Kg	K37
J1P-15	AW032	11/1/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	42	J	42	370	ug/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	POTASSIUM	565		20.8	20.8	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	LEAD	11.7		0.11	0.11	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	BARIUM	11		0.71	0.71	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	MAGNESIUM	1030		34.6	34.6	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	ARSENIC	3.5		0.27	0.27	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	ANTIMONY	0.84	J	0.39	0.39	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	ALUMINUM	8330		1.4	1.4	mg/Kg	K37

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ug/Kg = microgram per Kilogram
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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1P-15	AW032	11/1/2001	CL200.7	MANGANESE	76.2		0.11	0.11	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	COPPER	7.8		0.18	0.18	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	NICKEL	5.9		0.37	0.37	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	COBALT	3.7		0.25	0.25	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	VANADIUM	14.3		0.37	0.37	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	BORON	10.2		0.39	0.39	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	CADMIUM	0.27		0.04	0.04	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	IRON	9610		2.8	2.8	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	CALCIUM	171		56.6	56.6	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	ZINC	37.6		0.16	0.16	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	BERYLLIUM	0.36		0.04	0.04	mg/Kg	K37
J1P-15	AW032	11/1/2001	CL200.7	MOLYBDENUM	0.56	J	0.16	0.16	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	BORON	12.2		0.47	0.47	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	LEAD	9.7		0.13	0.13	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	ARSENIC	4		0.32	0.32	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	BERYLLIUM	0.4		0.04	0.04	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	VANADIUM	13.4		0.44	0.44	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	CADMIUM	0.34		0.04	0.04	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	CALCIUM	207		67.5	67.5	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	CHROMIUM, TOTAL	8.7	J	0.15	0.15	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	COBALT	3.6		0.3	0.3	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	ANTIMONY	0.57	J	0.47	0.47	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	IRON	11600		3.3	3.3	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	MAGNESIUM	1130		41.2	41.2	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	ALUMINUM	7200		1.6	1.6	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	MANGANESE	87.4		0.13	0.13	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	BARIUM	11.7		0.85	0.85	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	NICKEL	5.6		0.44	0.44	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	POTASSIUM	652		24.8	24.8	mg/Kg	K37
J1P-15	AW033	11/1/2001	SW8270	BENZOIC ACID	18	J	18	920	ug/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	ZINC	40.7		0.19	0.19	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	COPPER	6.9		0.21	0.21	mg/Kg	K37
J1P-15	AW033	11/1/2001	CL200.7	MOLYBDENUM	0.42	J	0.19	0.19	mg/Kg	K37
J1P-15	AW036	11/1/2001	SW8290	OCTACHLORODIBENZOFURAN	8.2		0.029	10	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.48		0.094	0.2	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	0.76		0.262	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	OCTACHLORODIBENZO-P-DIOXIN	5210	J	0.055	10	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	6.2		0.201	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	13.9		0.528	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	10.5		1	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.35	J	0.273	1	PG/G	K37

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
J1P-15	AW036	11/1/2001	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.1	J	0.528	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.8		0.818	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.45	J	0.45	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	102		0.03	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.48	J	0.48	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.4		0.022	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	172		0.347	1	PG/G	K37
J1P-15	AW036	11/1/2001	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.77		0.245	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	61.1		0.03	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	7.5		1	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	100		0.347	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.27	J	0.27	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.66	J	0.528	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.6	J	0.818	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.36	J	0.36	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.4	J	0.022	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	4.2		0.201	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	OCTACHLORODIBENZO-P-DIOXIN	3020		0.055	10	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.41	J	0.41	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	OCTACHLORODIBENZOFURAN	6.7		0.029	10	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.48		0.245	1	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.52		0.094	0.2	PG/G	K37
J1P-15	AW037	11/1/2001	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	9.3		0.528	1	PG/G	K37
MW-136	AK989	10/25/2000	CL200.7	POTASSIUM	684		37.2	37.2	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	CALCIUM	90.5		29	34.9	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	VANADIUM	25.8		0.36	0.409	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	NICKEL	9.4		0.3	0.696	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	MANGANESE	77.2		0.08	0.0818	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	MAGNESIUM	2090		28.1	42.5	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	LEAD	9.2		0.32	0.368	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	IRON	14500		4.21	4.34	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	COPPER	4.3		0.34	0.368	mg/Kg	K35
MW-136	AK989	10/25/2000	CVOL	ACETONE	140	J	4.34	8	ug/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	CHROMIUM, TOTAL	18.3	J	0.14	0.205	mg/Kg	K35
MW-136	AK989	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	3490	J	0	0	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	BERYLLIUM	0.31		0.0205	0.0205	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	BARIUM	19.7		0.839	0.839	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	ARSENIC	4.5	J	0.75	0.859	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	ALUMINUM	17200		2.5	2.54	mg/Kg	K35
MW-136	AK989	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.01	0.01	mg/Kg	K35
MW-136	AK989	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	0.02	0.02	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-136	AK989	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	37.5		0.01	0.01	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	ZINC	27.9		0.29	0.716	mg/Kg	K35
MW-136	AK989	10/25/2000	CL200.7	COBALT	4.3		0.26	0.327	mg/Kg	K35
MW-136	AK989	10/25/2000	CVOL	TOLUENE	1	J	0.32	8	ug/Kg	K35
MW-136	AK989	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	8	ug/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	MAGNESIUM	280		28.1	39.5	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	VANADIUM	3.1		0.36	0.38	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	POTASSIUM	177		36.5	36.5	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	ZINC	4.5		0.29	0.665	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	MANGANESE	44.1		0.0761	0.0761	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	LEAD	1.5		0.32	0.342	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	IRON	2270		4.03	4.03	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	COPPER	1.3		0.34	0.342	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	COBALT	1.3		0.26	0.304	mg/Kg	K35
MW-136	AK990	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	165	J	0	0	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	CALCIUM	41.4	J	29	32.5	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	BERYLLIUM	0.1		0.019	0.019	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	BARIUM	3.4		0.78	0.78	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	ARSENIC	0.89	J	0.75	0.799	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	ALUMINUM	1470		2.5	5.1	mg/Kg	K35
MW-136	AK990	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.5		0.02	0.02	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	CHROMIUM, TOTAL	1.5	J	0.14	0.209	mg/Kg	K35
MW-136	AK990	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	33.5		0.01	0.01	mg/Kg	K35
MW-136	AK990	10/25/2000	CL200.7	NICKEL	1.3		0.3	0.399	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	LEAD	1.5	J	0.28	0.28	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	MAGNESIUM	370		28.1	32.3	mg/Kg	K35
MW-136	AK991	10/24/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	10	ug/Kg	K35
MW-136	AK991	10/24/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	93	J	93	340	ug/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	ZINC	6.4	J	0.14	0.14	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	VANADIUM	4.9		0.311	0.311	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	POTASSIUM	265		29.8	29.8	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	MOLYBDENUM	1.4		0.482	0.482	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	IRON	2990		3.95	3.95	mg/Kg	K35
MW-136	AK991	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	45.1		0.01	0.01	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	NICKEL	2		0.3	0.528	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	COPPER	2.1	J	0.28	0.28	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	COBALT	0.98		0.249	0.249	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	CHROMIUM, TOTAL	2	J	0.14	0.155	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	CALCIUM	57.3		26.5	26.5	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	BERYLLIUM	0.13		0.0155	0.0155	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	BARIUM	4.5		0.637	0.637	mg/Kg	K35

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-136	AK991	10/24/2000	CL200.7	ARSENIC	1.5		0.653	0.653	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	ALUMINUM	1070		1.93	1.93	mg/Kg	K35
MW-136	AK991	10/24/2000	CL200.7	MANGANESE	51.3		0.08	0.233	mg/Kg	K35
MW-136	AK991	10/24/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	COPPER	2	J	0.324	0.324	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	BARIUM	3		0.739	0.739	mg/Kg	K35
MW-136	AK993	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	36.7		0.01	0.01	mg/Kg	K35
MW-136	AK993	10/24/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	ARSENIC	1.2	J	0.75	0.757	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	BERYLLIUM	0.09		0.018	0.018	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	CALCIUM	30.9	J	29	30.7	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	ZINC	4.3	J	0.162	0.162	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	COBALT	0.83		0.26	0.288	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	IRON	2150		4.21	4.58	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	LEAD	1.5	J	0.32	0.324	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	MAGNESIUM	269		28.1	37.4	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	MANGANESE	23.1		0.08	0.27	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	NICKEL	1.4		0.3	0.612	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	POTASSIUM	145		34.5	34.5	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	VANADIUM	3.3		0.36	0.36	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	CHROMIUM, TOTAL	1.9	J	0.14	0.18	mg/Kg	K35
MW-136	AK993	10/24/2000	CL200.7	ALUMINUM	829		2.23	2.23	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	IRON	2870		4.21	4.61	mg/Kg	K35
MW-136	AK994	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	47.4		0.01	0.01	mg/Kg	K35
MW-136	AK994	10/24/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	ALUMINUM	933		2.25	2.25	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	ARSENIC	1.6		0.75	0.763	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	BARIUM	3.5		0.745	0.745	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	BERYLLIUM	0.13		0.0182	0.0182	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	COPPER	1.7	J	0.327	0.327	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	CALCIUM	105		29	31	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	LEAD	1.6	J	0.32	0.327	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	MAGNESIUM	297		28.1	37.8	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	MANGANESE	34.8		0.08	0.273	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	ZINC	5.3	J	0.164	0.164	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	VANADIUM	4.6		0.36	0.363	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	POTASSIUM	189		34.8	34.8	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	NICKEL	1.5		0.3	0.618	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	CHROMIUM, TOTAL	2.9	J	0.14	0.182	mg/Kg	K35
MW-136	AK994	10/24/2000	CL200.7	COBALT	1		0.26	0.291	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	LEAD	2.4	J	0.32	0.366	mg/Kg	K35

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-136	AK995	10/24/2000	CL200.7	ZINC	13.2	J	0.183	0.183	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	VANADIUM	8.5		0.36	0.406	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	POTASSIUM	200		39	39	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	NICKEL	3.4		0.3	0.691	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	MAGNESIUM	351		28.1	42.2	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	IRON	5430		4.21	5.16	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	COPPER	3.3	J	0.34	0.366	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	COBALT	1.3		0.26	0.325	mg/Kg	K35
MW-136	AK995	10/24/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.4	J	0.02	0.02	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	MANGANESE	48.1		0.08	0.305	mg/Kg	K35
MW-136	AK995	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.3		0.01	0.01	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	CHROMIUM, TOTAL	8.2		0.14	0.203	mg/Kg	K35
MW-136	AK995	10/24/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	ALUMINUM	1270		2.5	2.52	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	ARSENIC	3.1		0.75	0.853	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	BARIUM	4.8		0.833	0.833	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	BERYLLIUM	0.2		0.0203	0.0203	mg/Kg	K35
MW-136	AK995	10/24/2000	CL200.7	CALCIUM	60.4	J	29	34.7	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	IRON	3580		4.21	4.27	mg/Kg	K35
MW-136	AK996	10/24/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	VANADIUM	4.8		0.336	0.336	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	POTASSIUM	250		32.2	32.2	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	NICKEL	1.5	J	0.3	0.571	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	MOLYBDENUM	0.57	J	0.49	0.521	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	MANGANESE	89.9		0.08	0.252	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	MAGNESIUM	300		28.1	34.9	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	LEAD	2.3	J	0.302	0.302	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	ZINC	7.3	J	0.151	0.151	mg/Kg	K35
MW-136	AK996	10/24/2000	LYDKHN	TOTAL ORGANIC CARBON	162	J	0	0	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	ARSENIC	1.7		0.706	0.706	mg/Kg	K35
MW-136	AK996	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	71.1		0.01	0.01	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	COPPER	2.1	J	0.302	0.302	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	ALUMINUM	896		2.08	2.08	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	BARIUM	5.9		0.689	0.689	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	BERYLLIUM	0.15		0.0168	0.0168	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	CHROMIUM, TOTAL	3.7	J	0.14	0.168	mg/Kg	K35
MW-136	AK996	10/24/2000	CL200.7	COBALT	0.9		0.26	0.269	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	IRON	2060		4.14	4.14	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	BERYLLIUM	0.09		0.0163	0.0163	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	VANADIUM	3.3		0.326	0.326	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	POTASSIUM	164		31.3	31.3	mg/Kg	K35

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-136	AK997	10/24/2000	CL200.7	NICKEL	1.1	J	0.3	0.555	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	MANGANESE	18.6		0.08	0.245	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	MAGNESIUM	230		28.1	33.9	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	LEAD	1.6	J	0.294	0.294	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	ZINC	4.3	J	0.147	0.147	mg/Kg	K35
MW-136	AK997	10/24/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	COPPER	1.3	J	0.294	0.294	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	COBALT	0.72		0.26	0.261	mg/Kg	K35
MW-136	AK997	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	47.5		0.01	0.01	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	ALUMINUM	668		2.02	2.02	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	ARSENIC	1.2	J	0.685	0.685	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	BARIUM	2.4		0.669	0.669	mg/Kg	K35
MW-136	AK997	10/24/2000	CL200.7	CHROMIUM, TOTAL	1.6	J	0.14	0.163	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	CHROMIUM, TOTAL	2.4	J	0.14	0.191	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	ARSENIC	1.4	J	0.75	0.802	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	LEAD	1.4	J	0.32	0.344	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	CALCIUM	246		29	32.6	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	ALUMINUM	1020		2.37	2.37	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	COBALT	0.96		0.26	0.306	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	COPPER	1.8	J	0.34	0.344	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	IRON	2750		4.21	4.85	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	BARIUM	3.3		0.783	0.783	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	MANGANESE	23		0.08	0.286	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	NICKEL	1.7	J	0.3	0.649	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	POTASSIUM	190		36.6	36.6	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	VANADIUM	4.9		0.36	0.382	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	ZINC	6.6	J	0.172	0.172	mg/Kg	K35
MW-136	AK998	10/24/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	K35
MW-136	AK998	10/24/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	39.8		0.01	0.01	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	BERYLLIUM	0.09		0.0191	0.0191	mg/Kg	K35
MW-136	AK998	10/24/2000	CL200.7	MAGNESIUM	480		28.1	39.7	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	BARIUM	2.9		0.701	0.701	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	IRON	3270		3.62	3.62	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	COPPER	1.7	J	0.308	0.308	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	COBALT	0.77		0.26	0.274	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	CHROMIUM, TOTAL	2.8		0.14	0.188	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	LEAD	1.5	J	0.308	0.308	mg/Kg	K35
MW-136	AK999	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	38.7		0.01	0.01	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	VANADIUM	3.5		0.342	0.342	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	CALCIUM	100		29	29.2	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	MAGNESIUM	438		28.1	35.5	mg/Kg	K35

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-136	AK999	10/25/2000	CL200.7	MANGANESE	28.2		0.0684	0.0684	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	MOLYBDENUM	0.77	J	0.49	0.53	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	POTASSIUM	186		32.8	32.8	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	ZINC	5.2	J	0.29	0.598	mg/Kg	K35
MW-136	AK999	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.01	0.01	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	ALUMINUM	1110		2.5	4.58	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	ARSENIC	1	J	0.718	0.718	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	NICKEL	1.5		0.3	0.359	mg/Kg	K35
MW-136	AK999	10/25/2000	CL200.7	BERYLLIUM	0.09		0.0171	0.0171	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	CHROMIUM, TOTAL	1.4	J	0.14	0.212	mg/Kg	K35
MW-136	AL001	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	6	J	0.02	0.02	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	POTASSIUM	221		37	37	mg/Kg	K35
MW-136	AL001	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.09		0.01	0.01	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	ALUMINUM	747		2.5	5.16	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	ARSENIC	1.2	J	0.75	0.809	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	BARIUM	3		0.79	0.79	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	NICKEL	0.7	J	0.3	0.405	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	CALCIUM	152		29	32.9	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	ZINC	4	J	0.29	0.675	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	COBALT	0.52	J	0.26	0.308	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	COPPER	1.2	J	0.34	0.347	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	IRON	2130		4.09	4.09	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	LEAD	1.6	J	0.32	0.347	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	MAGNESIUM	219		28.1	40.1	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	MANGANESE	18.4		0.0771	0.0771	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	BERYLLIUM	0.08		0.0193	0.0193	mg/Kg	K35
MW-136	AL001	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	53		0.01	0.01	mg/Kg	K35
MW-136	AL001	10/25/2000	CL200.7	VANADIUM	3		0.36	0.385	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	BERYLLIUM	0.07		0.0176	0.0176	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	MANGANESE	11.6		0.0704	0.0704	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	NICKEL	0.75		0.3	0.37	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	VANADIUM	3.5		0.352	0.352	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	ZINC	2.8	J	0.29	0.616	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	LEAD	1	J	0.317	0.317	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	COPPER	1.4	J	0.317	0.317	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	CHROMIUM, TOTAL	1.2	J	0.14	0.194	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	BARIUM	2.4		0.722	0.722	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	ARSENIC	0.96	J	0.739	0.739	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	ALUMINUM	595		2.5	4.72	mg/Kg	K35
MW-136	AL002	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg	K35
MW-136	AL002	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.7	J	0.02	0.02	mg/Kg	K35

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-136	AL002	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	51.8		0.01	0.01	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	IRON	2110		3.73	3.73	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	COBALT	0.53		0.26	0.282	mg/Kg	K35
MW-136	AL002	10/25/2000	CL200.7	MAGNESIUM	136		28.1	36.6	mg/Kg	K35
MW-189	AW179	11/7/2001	CL200.7	ARSENIC	0.53	J	0.26	0.26	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	COPPER	2.5		0.17	0.17	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	COBALT	1.1		0.24	0.24	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	CHROMIUM, TOTAL	5.7		0.12	0.12	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	CALCIUM	75.2	J	54.9	54.9	mg/Kg	L34
MW-189	AW179	11/7/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	42.2		1	2	mg/Kg	L34
MW-189	AW179	11/7/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.1	J	1.5	2.4	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	ALUMINUM	1080	J	1.3	1.3	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	MANGANESE	36.4	J	0.1	0.1	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	BARIUM	4.6		0.69	0.69	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	POTASSIUM	215		40.1	40.1	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	NICKEL	2		0.36	0.36	mg/Kg	L34
MW-189	AW179	11/7/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.026		0.0043	0.01	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	IRON	4110		2.7	2.7	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	MAGNESIUM	295		33.5	33.5	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	CADMIUM	0.1		0.03	0.03	mg/Kg	L34
MW-189	AW179	11/7/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	10	ug/Kg	L34
MW-189	AW179	11/7/2001	CVOL	BROMOFORM	2	J	2	10	ug/Kg	L34
MW-189	AW179	11/7/2001	CVOL	ACETONE	6	J	3.81	10	ug/Kg	L34
MW-189	AW179	11/7/2001	SW8270	DI-N-BUTYL PHTHALATE	31	J	31	330	ug/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	MOLYBDENUM	0.98		0.15	0.15	mg/Kg	L34
MW-189	AW179	11/7/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	65	J	65	330	ug/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	ZINC	6		0.15	0.15	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	VANADIUM	4.4		0.36	0.36	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	SILVER	0.24	J	0.1	0.1	mg/Kg	L34
MW-189	AW179	11/7/2001	CL200.7	LEAD	1.7	J	0.1	0.1	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	ALUMINUM	3610	J	1.5	1.5	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	MOLYBDENUM	0.78		0.17	0.17	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	ARSENIC	0.89	J	0.29	0.29	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	ZINC	16.4		0.17	0.17	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	VANADIUM	11.8		0.41	0.41	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	NICKEL	14.7		0.41	0.41	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	MANGANESE	72.8	J	0.12	0.12	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	MAGNESIUM	2590		37.8	37.8	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	LEAD	3.7	J	0.12	0.12	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	BARIUM	8.3		0.78	0.78	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	COPPER	5.4		0.19	0.19	mg/Kg	L34

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-189	AW180	11/7/2001	CL200.7	COBALT	5.3		0.27	0.27	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	CHROMIUM, TOTAL	12.2		0.14	0.14	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	CALCIUM	348		62	62	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	ANTIMONY	0.98	J	0.43	0.43	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	BERYLLIUM	0.3		0.04	0.04	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	IRON	9180		3.1	3.1	mg/Kg	L34
MW-189	AW180	11/7/2001	CL200.7	POTASSIUM	261		45.3	45.3	mg/Kg	L34
MW-191	AW292	11/9/2001	CL200.7	MAGNESIUM	731		41.4	41.4	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	MANGANESE	86.4		0.13	0.13	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	NICKEL	2.9		0.45	0.45	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	POTASSIUM	582		24.9	24.9	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	VANADIUM	8		0.45	0.45	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	ZINC	9.4		0.19	0.19	mg/Kg	L37
MW-191	AW292	11/9/2001	CVOL	BROMOFORM	1	J	1	8	ug/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	LEAD	3.6		0.13	0.13	mg/Kg	L37
MW-191	AW292	11/9/2001	LYDKHN	TOTAL ORGANIC CARBON	2250	J	0	0	mg/Kg	L37
MW-191	AW292	11/9/2001	CVOL	ACETONE	13		3.81	8	ug/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	IRON	5440		3.3	3.3	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	COPPER	3.8		0.21	0.21	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	CHROMIUM, TOTAL	4.6	J	0.26	0.26	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	BARIUM	8.9		0.85	0.85	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	ARSENIC	1.2	J	0.83	0.83	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	ALUMINUM	3630		1.6	1.6	mg/Kg	L37
MW-191	AW292	11/9/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg	L37
MW-191	AW292	11/9/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.8	J	1.5	2.5	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	COBALT	2.6		0.3	0.3	mg/Kg	L37
MW-191	AW292	11/9/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	110		1	2	mg/Kg	L37
MW-191	AW292	11/9/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.014		0.0043	0.01	mg/Kg	L37
MW-191	AW292	11/9/2001	CL200.7	CALCIUM	129	J	67.9	67.9	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	MAGNESIUM	605		39.2	39.2	mg/Kg	L37
MW-191	AW293	11/9/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	75.8		1	2	mg/Kg	L37
MW-191	AW293	11/9/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	9	ug/Kg	L37
MW-191	AW293	11/9/2001	CVOL	BROMOFORM	0.8	J	0.8	9	ug/Kg	L37
MW-191	AW293	11/9/2001	CVOL	ACETONE	10		3.81	9	ug/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	ZINC	7.9		0.18	0.18	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	VANADIUM	5.7		0.42	0.42	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	POTASSIUM	492		23.5	23.5	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	MANGANESE	75		0.12	0.12	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	LEAD	2.8		0.12	0.12	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	BARIUM	8.2		0.8	0.8	mg/Kg	L37
MW-191	AW293	11/9/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.6	J	1.5	2.5	mg/Kg	L37

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-191	AW293	11/9/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.0043	0.01	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	NICKEL	2.4		0.42	0.42	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	ARSENIC	1.2	J	0.78	0.78	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	IRON	4090		3.2	3.2	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	CALCIUM	89.5	J	64.2	64.2	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	CHROMIUM, TOTAL	3.5	J	0.24	0.24	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	COBALT	2		0.28	0.28	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	COPPER	3		0.2	0.2	mg/Kg	L37
MW-191	AW293	11/9/2001	CL200.7	ALUMINUM	2510		1.5	1.5	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	SODIUM	70.2	J	50	50	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	LEAD	1.5	J	0.12	0.12	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	MAGNESIUM	250		37.3	37.3	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	MANGANESE	54.1		0.12	0.12	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	SILVER	0.2	J	0.12	0.12	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	POTASSIUM	280		22.4	22.4	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	IRON	2030		3	3	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	ZINC	4.1		0.17	0.17	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	COBALT	1		0.27	0.27	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	CHROMIUM, TOTAL	1.3	J	0.23	0.23	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	CALCIUM	66.5	J	61.2	61.2	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	CADMIUM	0.04	J	0.04	0.04	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	BARIUM	5.4		0.77	0.77	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	ALUMINUM	1110		1.5	1.5	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	COPPER	1.7		0.19	0.19	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	NICKEL	1	J	0.4	0.4	mg/Kg	L37
MW-191	AW294	11/9/2001	CL200.7	VANADIUM	2.8		0.4	0.4	mg/Kg	L37
SS02793-A	TT470	9/1/2000	CL200.7	ARSENIC	1.1	J	1	1	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	BARIUM	5.9		1	2	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	ZINC	11.6		0.0554	1	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	ALUMINUM	3070		2	2	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	COPPER	9.5	J	0.34	0.3	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	CALCIUM	58.5	J	29	51	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	IRON	12700		4	5	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	LEAD	2.6	J	0.32	0.26	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	CHROMIUM, TOTAL	6.2		0.14	0.26	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	BERYLLIUM	0.22		0.03	0.05	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	MAGNESIUM	580		28	54	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	CADMIUM	0.32		0.07	0.14	mg/Kg	J31
SS02793-A	TT470	9/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	120	J	120	340	ug/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	COBALT	3.2		0.0832	1	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	VANADIUM	5.6		0.156	1	mg/Kg	J31

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02793-A	TT470	9/1/2000	CL200.7	POTASSIUM	261		47	91	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	NICKEL	3.9		0.11	1	mg/Kg	J31
SS02793-A	TT470	9/1/2000	CL200.7	MANGANESE	251		0.08	0.23	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	BERYLLIUM	0.27		0.03	0.06	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	COPPER	6.5	J	0.34	0.38	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	NICKEL	5.9		0.11	1	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	MANGANESE	65.2		0.08	0.3	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	VANADIUM	16.5		0.156	1	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	MAGNESIUM	1250		28	69	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	LEAD	7.4		0.32	0.34	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	IRON	11400		4	6	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	POTASSIUM	497		47	116	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	COBALT	2.2		0.0832	1	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	CHROMIUM, TOTAL	12		0.14	0.34	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	CALCIUM	112	J	29	65	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	BORON	24.6		1	1	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	BARIUM	12.1		1	3	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	ARSENIC	2.9	J	1	1	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	ZINC	16.1		0.0554	1	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	ALUMINUM	10700		2	3	mg/Kg	J31
SS02794-A	TT472	9/1/2000	CL200.7	CADMIUM	0.25	J	0.07	0.18	mg/Kg	J31
SS02794-A	TT472	9/1/2000	SW8270	PHENANTHRENE	18	J	18	370	ug/Kg	J31
SS02794-A	TT472	9/1/2000	SW8270	PYRENE	23	J	23	370	ug/Kg	J31
SS02794-A	TT472	9/1/2000	CVOL	BENZENE	2	J	0.41	8	ug/Kg	J31
SS02794-A	TT472	9/1/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg	J31
SS02794-A	TT472	9/1/2000	SW8270	FLUORANTHENE	21	J	21	370	ug/Kg	J31
SS02794-A	TT472	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11		2	8	ug/Kg	J31
SS02990-A	TE857	8/16/2001	CL200.7	ZINC	17.8		0.08	4	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	COBALT	2.06	J	0.07	11	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	COPPER	14.7		0.08	6	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	IRON	10500	J	3	22	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	LEAD	10.9		0.2	1	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CPEST	P,P'-DDT	0.82	J	0.26	4	ug/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	BORON	2.22	J	0.2	3	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	VANADIUM	18.1		0.13	11	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	POTASSIUM	485	J	3	1110	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	MAGNESIUM	1040	J	2	1110	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	CHROMIUM, TOTAL	10.5		0.09	2	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	CADMIUM	0.241	J	0.03	1	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CPEST	ENDRIN ALDEHYDE	1.73	J	0.004	4	ug/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	BARIUM	12	J	0.2	44	mg/Kg	M38

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02990-A	TE857	8/16/2001	CL200.7	ARSENIC	3.12		1	2	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	ALUMINUM	9290		3	44	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL245.5	MERCURY	0.019	J	0.04	0.06	mg/Kg	M38
SS02990-A	TE857	8/16/2001	SW9045C	PH	4.71		0	0	PH UNITS	M38
SS02990-A	TE857	8/16/2001	CL200.7	NICKEL	5.86	J	0.11	9	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	MANGANESE	80.3		0.1	3	mg/Kg	M38
SS02990-A	TE857	8/16/2001	CL200.7	CALCIUM	204	J	3	1110	mg/Kg	M38
SS02990-A	TE857	8/16/2001	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	47.7	J	20	394	ug/Kg	M38
SS02990-A	TE857	8/16/2001	CVOL	ACETONE	45.2	J	1	12	ug/Kg	M38
SS02990-A	TE857	8/16/2001	CPEST	HEPTACHLOR EPOXIDE	5.35	J	0.004	2	ug/Kg	M38
SS02990-A	TE857	8/16/2001	CVOL	CHLOROFORM	1.43	J	1	12	ug/Kg	M38
SS02992-A	TE858	8/16/2001	CL200.7	COPPER	2.91	J	0.08	5	mg/Kg	L38
SS02992-A	TE858	8/16/2001	SW9045C	PH	5.18		0	0	PH UNITS	L38
SS02992-A	TE858	8/16/2001	CL200.7	ALUMINUM	2250		2	38	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	ARSENIC	1.11	J	1	2	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	BARIUM	4.98	J	0.2	38	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	ZINC	6.93		0.08	4	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	CADMIUM	0.092	J	0.03	1	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	CHROMIUM, TOTAL	3.33		0.09	2	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	COBALT	1.32	J	0.07	10	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	IRON	3750	J	3	19	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	LEAD	2.98		0.2	1	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	MAGNESIUM	390	J	2	952	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	POTASSIUM	208	J	3	952	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CPEST	P,P'-DDD	0.401	J	0.25	3	ug/Kg	L38
SS02992-A	TE858	8/16/2001	CPEST	P,P'-DDT	0.497	J	0.26	3	ug/Kg	L38
SS02992-A	TE858	8/16/2001	CPEST	ENDRIN ALDEHYDE	0.919	J	0.004	3	ug/Kg	L38
SS02992-A	TE858	8/16/2001	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	34.7	J	17	340	ug/Kg	L38
SS02992-A	TE858	8/16/2001	CVOL	ACETONE	4.55	J	1	8	ug/Kg	L38
SS02992-A	TE858	8/16/2001	CVOL	BROMOFORM	1.57	J	1	8	ug/Kg	L38
SS02992-A	TE858	8/16/2001	CVOL	CHLOROFORM	1.54	J	1	8	ug/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	VANADIUM	5.8	J	0.13	10	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	MANGANESE	78.6		0.1	3	mg/Kg	L38
SS02992-A	TE858	8/16/2001	CL200.7	NICKEL	2.4	J	0.11	8	mg/Kg	L38
SS05AAA	BC609	4/30/2002	CL200.7	ZINC	13.8	J	0.2	0.2	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	ARSENIC	2.5		0.6	0.6	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	BARIUM	9.9		1.4	1.4	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	BERYLLIUM	0.27		0.02	0.02	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	CALCIUM	115		28.3	28.3	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	CHROMIUM, TOTAL	8.7		0.26	0.26	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	COBALT	2.5		0.64	0.64	mg/Kg	K35

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05AAA	BC609	4/30/2002	CL200.7	COPPER	8.4		0.31	0.31	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	IRON	7610		7	7	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	LEAD	8		0.18	0.18	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	MAGNESIUM	1030		29.1	29.1	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	MANGANESE	57.4		0.18	0.18	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	NICKEL	4.6		0.62	0.62	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	ALUMINUM	6310		4	4	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	VANADIUM	12.1		0.44	0.44	mg/Kg	K35
SS05AAA	BC609	4/30/2002	CL200.7	POTASSIUM	488		27.4	27.4	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	MANGANESE	70.8		0.18	0.18	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	ALUMINUM	8140		4.1	4.1	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	ARSENIC	2.7		0.49	0.49	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	BARIUM	11.8		1.4	1.4	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	CALCIUM	108		28.4	28.4	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	CHROMIUM, TOTAL	10.6		0.27	0.27	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	COBALT	3.1		0.64	0.64	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	IRON	10100		7.1	7.1	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	LEAD	7.4		0.18	0.18	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	MAGNESIUM	1180		29.2	29.2	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	NICKEL	5.2		0.62	0.62	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	VANADIUM	13.7		0.44	0.44	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	ZINC	13.5	J	0.2	0.2	mg/Kg	K35
SS05AAA	BC610	4/30/2002	CL200.7	POTASSIUM	543		27.5	27.5	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	MANGANESE	59.2		0.18	0.18	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	ARSENIC	3.4		0.5	0.5	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	BARIUM	14.3		1.4	1.4	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	CALCIUM	95.1		29.1	29.1	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	COBALT	3.2		0.66	0.66	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	ALUMINUM	13200		4.2	4.2	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	MAGNESIUM	1320		30	30	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	CHROMIUM, TOTAL	14.7		0.27	0.27	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	MOLYBDENUM	0.55	J	0.36	0.36	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	NICKEL	6.4		0.64	0.64	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	POTASSIUM	592		28.2	28.2	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	VANADIUM	18.7		0.45	0.45	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	ZINC	14.8	J	0.2	0.2	mg/Kg	K35
SS05AAA	BC611	4/30/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	380	ug/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	LEAD	7.8		0.18	0.18	mg/Kg	K35
SS05AAA	BC611	4/30/2002	CL200.7	IRON	12500		7.3	7.3	mg/Kg	K35
SS05B	BG5BAA	12/11/1997	CL200.7	ARSENIC	2.8		0.644	0.644	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	CHROMIUM, TOTAL	13.2		0.197	0.197	mg/Kg	L35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05B	BG5BAA	12/11/1997	CL200.7	VANADIUM	11.9		0.286	0.286	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	POTASSIUM	350		39.2	39.2	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	NICKEL	44.1		0.375	0.375	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	MANGANESE	89.6		0.0536	0.0536	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	MAGNESIUM	782		22.7	22.7	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	IRON	7640		4.58	4.58	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	ZINC	11.4		0.554	0.554	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	COBALT	3.5		0.304	0.304	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	LEAD	10.6		0.322	0.322	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	CALCIUM	88.3		18.8	18.8	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	BARIUM	10.1		0.751	0.751	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	ALUMINUM	5310		2.2	2.2	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	E353.2	NITROGEN, NITRATE-NITRITE	8.1		8.1	8.1	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	E350.2	NITROGEN, AMMONIA (AS N)	9.4		9.4	9.4	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.2	J	90.2	90.2	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	BERYLLIUM	0.22		0.0179	0.0179	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CL200.7	COPPER	14.5		0.411	0.411	mg/Kg	L35
SS05B	BG5BAA	12/11/1997	CVOL	ACETONE	260	J	260	260	ug/Kg	L35
SS05BA	AS040	8/8/2001	CL200.7	ARSENIC	3.5		0.54	0.54	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	COBALT	2.1		0.33	0.33	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	CHROMIUM, TOTAL	11.3		0.2	0.46	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	CALCIUM	129		38.1	38.1	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	CADMIUM	0.16		0.07	0.07	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	BARIUM	13.2		0.8	0.8	mg/Kg	M38
SS05BA	AS040	8/8/2001	CVOL	ACETONE	300	J	4.04	12	ug/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	ANTIMONY	0.57	J	0.39	0.39	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	ALUMINUM	10200		2.7	2.7	mg/Kg	M38
SS05BA	AS040	8/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.097		0.0043	0.01	mg/Kg	M38
SS05BA	AS040	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	17.2		1.5	1.6	mg/Kg	M38
SS05BA	AS040	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	28600	J	0	0	mg/Kg	M38
SS05BA	AS040	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	121		1	2.24	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	BERYLLIUM	0.21		0.07	0.07	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	NICKEL	7.5		0.3	0.3	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	COPPER	19.7		0.41	0.41	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	IRON	11100		3.5	4.7	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	LEAD	52.3		0.2	0.33	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	MAGNESIUM	801		28.1	28.1	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	MANGANESE	48.6		0.2	0.26	mg/Kg	M38
SS05BA	AS040	8/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	18	J	4.56	12	ug/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	MOLYBDENUM	0.74		0.28	0.28	mg/Kg	M38
SS05BA	AS040	8/8/2001	CVOL	BROMOFORM	2	J	1.15	12	ug/Kg	M38

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05BA	AS040	8/8/2001	CL200.7	POTASSIUM	446		37.5	37.5	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	VANADIUM	18.6		0.9	1.2	mg/Kg	M38
SS05BA	AS040	8/8/2001	CL200.7	ZINC	18.7		0.3	0.3	mg/Kg	M38
SS05BA	AS040	8/8/2001	SW8270	BENZOIC ACID	64	J	64	960	ug/Kg	M38
SS05BA	AS040	8/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	38	J	38	380	ug/Kg	M38
SS05BA	AS040	8/8/2001	CVOL	TOLUENE	2	J	1.17	12	ug/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	CHROMIUM, TOTAL	11.4		0.2	0.47	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	CADMIUM	0.17		0.07	0.07	mg/Kg	M38
SS05BA	AS041	8/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	4.56	10	ug/Kg	M38
SS05BA	AS041	8/8/2001	CVOL	ACETONE	270	J	4.04	10	ug/Kg	M38
SS05BA	AS041	8/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	390	ug/Kg	M38
SS05BA	AS041	8/8/2001	SW8270	BENZOIC ACID	40	J	40	980	ug/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	ZINC	25		0.31	0.31	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	VANADIUM	18.8		0.9	1.2	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	POTASSIUM	509		38.5	38.5	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	NICKEL	8.3		0.31	0.31	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	MOLYBDENUM	0.74		0.29	0.29	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	MANGANESE	75.3		0.2	0.27	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	MAGNESIUM	966		28.8	28.8	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	LEAD	14.7		0.2	0.33	mg/Kg	M38
SS05BA	AS041	8/8/2001	CVOL	TOLUENE	27	J	1.17	10	ug/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	COBALT	2.7		0.33	0.33	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	CALCIUM	145		39.1	39.1	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	COPPER	13		0.42	0.42	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	BERYLLIUM	0.23		0.07	0.07	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	BARIUM	15.5		0.83	0.83	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	ARSENIC	3.8		0.56	0.56	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	ANTIMONY	0.41	J	0.4	0.4	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	ALUMINUM	10600		2.8	2.8	mg/Kg	M38
SS05BA	AS041	8/8/2001	M8015V	C9-C10 AROMATIC HYDROCARBONS	790		277	510	ug/Kg	M38
SS05BA	AS041	8/8/2001	SW8330	2-AMINO-4,6-DINITROTOLUENE	140	J	19.6	120	ug/Kg	M38
SS05BA	AS041	8/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.11		0.0043	0.01	mg/Kg	M38
SS05BA	AS041	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	11.7		1.5	1.6	mg/Kg	M38
SS05BA	AS041	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	22600	J	0	0	mg/Kg	M38
SS05BA	AS041	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	112		1	2.3	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	IRON	11800		3.5	4.8	mg/Kg	M38
SS05BA	AS041	8/8/2001	CL200.7	BORON	1.5	J	1.2	1.4	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	POTASSIUM	583		38.7	38.7	mg/Kg	M38
SS05BA	AS042	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	60.1		1	2.24	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	COPPER	11.6		0.43	0.43	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	IRON	11600		3.5	4.9	mg/Kg	M38

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05BA	AS042	8/8/2001	CL200.7	LEAD	10.9		0.2	0.34	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	MAGNESIUM	1230		29	29	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	MANGANESE	79.5		0.2	0.27	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	NICKEL	6.7		0.31	0.31	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	VANADIUM	17.6		0.9	1.3	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	ZINC	17.7		0.31	0.31	mg/Kg	M38
SS05BA	AS042	8/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	28	J	28	370	ug/Kg	M38
SS05BA	AS042	8/8/2001	CVOL	ACETONE	83	J	4.04	7	ug/Kg	M38
SS05BA	AS042	8/8/2001	CVOL	BROMOFORM	2	J	1.15	7	ug/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	COBALT	3.5		0.34	0.34	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	BARIUM	15.3		0.83	0.83	mg/Kg	M38
SS05BA	AS042	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	15900		0	0	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	MOLYBDENUM	0.51	J	0.29	0.29	mg/Kg	M38
SS05BA	AS042	8/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.068		0.0043	0.01	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	ALUMINUM	10400		2.8	2.8	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	ARSENIC	4		0.56	0.56	mg/Kg	M38
SS05BA	AS042	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.2		1.5	1.6	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	BERYLLIUM	0.28		0.07	0.07	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	BORON	1.4	J	1.2	1.4	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	CADMIUM	0.14		0.07	0.07	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	CALCIUM	107		39.3	39.3	mg/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	CHROMIUM, TOTAL	11.7		0.2	0.47	mg/Kg	M38
SS05BA	AS042	8/8/2001	CVOL	TOLUENE	0.7	J	0.7	7	ug/Kg	M38
SS05BA	AS042	8/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	7	ug/Kg	M38
SS05BA	AS042	8/8/2001	CL200.7	ANTIMONY	0.41	J	0.4	0.4	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	LEAD	4.1		0.34	0.34	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	IRON	5700		4.9	4.9	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	BERYLLIUM	0.21		0.02	0.02	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	COPPER	3.2	J	0.43	0.43	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	COBALT	2		0.34	0.34	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	CHROMIUM, TOTAL	5.1		0.3	0.47	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	CALCIUM	83.5		26.6	26.6	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	CADMIUM	0.13		0.07	0.07	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	BARIUM	8		0.83	0.83	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	ARSENIC	2.3		0.63	0.63	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	ALUMINUM	4080		2.8	2.8	mg/Kg	M38
SS05BB	AS294	8/16/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.069		0.0043	0.01	mg/Kg	M38
SS05BB	AS294	8/16/2001	LYDKHN	TOTAL ORGANIC CARBON	365	J	0	0	mg/Kg	M38
SS05BB	AS294	8/16/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109		1	2.2	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	MAGNESIUM	773		28.9	28.9	mg/Kg	M38
SS05BB	AS294	8/16/2001	CVOL	ACETONE	14	J	3.81	8	ug/Kg	M38

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05BB	AS294	8/16/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.1	J	1.5	1.6	mg/Kg	M38
SS05BB	AS294	8/16/2001	CPEST	ALDRIN	1.8	NJ	0.273	1.9	ug/Kg	M38
SS05BB	AS294	8/16/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg	M38
SS05BB	AS294	8/16/2001	CVOL	BROMOFORM	2	J	2	8	ug/Kg	M38
SS05BB	AS294	8/16/2001	CPEST	P,P'-DDE	3.1	J	0.523	3.7	ug/Kg	M38
SS05BB	AS294	8/16/2001	CPEST	HEPTACHLOR	13		0.273	1.9	ug/Kg	M38
SS05BB	AS294	8/16/2001	CPEST	ENDRIN KETONE	3.7	NJ	0.853	3.7	ug/Kg	M38
SS05BB	AS294	8/16/2001	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2.6	J	0.301	1.9	ug/Kg	M38
SS05BB	AS294	8/16/2001	CPEST	HEPTACHLOR EPOXIDE	2.1	J	0.248	1.9	ug/Kg	M38
SS05BB	AS294	8/16/2001	CPEST	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	11		0.238	1.9	ug/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	MANGANESE	60.9		0.27	0.27	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	ZINC	9.2		0.31	0.31	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	VANADIUM	8.3		0.25	0.25	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	SELENIUM	0.56	J	0.51	0.51	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	POTASSIUM	438		37	37	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	NICKEL	3.3		0.31	0.31	mg/Kg	M38
SS05BB	AS294	8/16/2001	CL200.7	MOLYBDENUM	0.55	J	0.29	0.29	mg/Kg	M38
SS05BB	AS294	8/16/2001	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	53		0.263	9.5	ug/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	VANADIUM	13.8		0.22	0.22	mg/Kg	M38
SS05BC	AS296	8/16/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	7	ug/Kg	M38
SS05BC	AS296	8/16/2001	CVOL	BROMOFORM	2	J	2	7	ug/Kg	M38
SS05BC	AS296	8/16/2001	CVOL	ACETONE	10	J	3.81	7	ug/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	ZINC	13		0.28	0.28	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	POTASSIUM	604		32.6	32.6	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	NICKEL	5.7		0.28	0.28	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	MOLYBDENUM	0.46	J	0.26	0.26	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	MANGANESE	68.9		0.24	0.24	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	MAGNESIUM	1200		25.5	25.5	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	LEAD	5		0.3	0.3	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	IRON	8520		4.3	4.3	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	COPPER	4.7	J	0.37	0.37	mg/Kg	M38
SS05BC	AS296	8/16/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.1	J	1.4	1.4	mg/Kg	M38
SS05BC	AS296	8/16/2001	SW8270	DI-N-BUTYL PHTHALATE	23	J	23	360	ug/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	COBALT	3.1		0.3	0.3	mg/Kg	M38
SS05BC	AS296	8/16/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	78.2		1	2.1	mg/Kg	M38
SS05BC	AS296	8/16/2001	LYDKHN	TOTAL ORGANIC CARBON	469		0	0	mg/Kg	M38
SS05BC	AS296	8/16/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.026		0.0043	0.01	mg/Kg	M38
SS05BC	AS296	8/16/2001	M8015D	BENZO(G,H,I)PERYLENE	0.13	J	0.13	1.1	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	CADMIUM	0.14		0.06	0.06	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	CHROMIUM, TOTAL	8.8		0.3	0.41	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	CALCIUM	84.4		23.4	23.4	mg/Kg	M38

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05BC	AS296	8/16/2001	CL200.7	ALUMINUM	6850		2.4	2.4	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	BERYLLIUM	0.31		0.02	0.02	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	BARIUM	11.3		0.73	0.73	mg/Kg	M38
SS05BC	AS296	8/16/2001	CL200.7	ARSENIC	2.4		0.55	0.55	mg/Kg	M38
SS05BD	AS036	8/8/2001	CVOL	ACETONE	76	J	4.04	11	ug/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	MAGNESIUM	1220		28.7	28.7	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	BORON	1.4	J	1.2	1.4	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	CADMIUM	0.12	J	0.07	0.07	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	CHROMIUM, TOTAL	10.7		0.2	0.47	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	COBALT	4.8		0.33	0.33	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	COPPER	7.1		0.42	0.42	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	IRON	10400		3.5	4.8	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	LEAD	9.1		0.2	0.33	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	CALCIUM	116		39	39	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	MANGANESE	120		0.2	0.27	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	MOLYBDENUM	0.53	J	0.29	0.29	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	NICKEL	6.1		0.31	0.31	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	POTASSIUM	569		38.4	38.4	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	VANADIUM	15.7		0.9	1.2	mg/Kg	M38
SS05BD	AS036	8/8/2001	SW8270	BENZOIC ACID	93	J	93	920	ug/Kg	M38
SS05BD	AS036	8/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	4.56	11	ug/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	BERYLLIUM	0.26		0.07	0.07	mg/Kg	M38
SS05BD	AS036	8/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	370	ug/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	ZINC	19.1		0.31	0.31	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	BARIUM	12.1		0.82	0.82	mg/Kg	M38
SS05BD	AS036	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	141		1	2.22	mg/Kg	M38
SS05BD	AS036	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	12500		0	0	mg/Kg	M38
SS05BD	AS036	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	12.3		1.5	1.6	mg/Kg	M38
SS05BD	AS036	8/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.093		0.0043	0.01	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	ALUMINUM	8790		2.8	2.8	mg/Kg	M38
SS05BD	AS036	8/8/2001	CL200.7	ARSENIC	3.5		0.56	0.56	mg/Kg	M38
SS05BD	AS036	8/8/2001	CVOL	BROMOFORM	1	J	1	11	ug/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	BERYLLIUM	0.25		0.07	0.07	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	IRON	10400		3.5	4.9	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	BARIUM	12		0.84	0.84	mg/Kg	M38
SS05BD	AS037	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	26200		0	0	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	ARSENIC	3.4		0.56	0.56	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	ALUMINUM	8830		2.8	2.8	mg/Kg	M38
SS05BD	AS037	8/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.052		0.0043	0.01	mg/Kg	M38
SS05BD	AS037	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	17.3		1.5	1.6	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	CALCIUM	138		39.6	39.6	mg/Kg	M38

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05BD	AS037	8/8/2001	CL200.7	CHROMIUM, TOTAL	10.2		0.2	0.47	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	CADMIUM	0.09	J	0.07	0.07	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	VANADIUM	16.5		0.9	1.3	mg/Kg	M38
SS05BD	AS037	8/8/2001	CVOL	TOLUENE	9	J	1.17	15	ug/Kg	M38
SS05BD	AS037	8/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	19	J	4.56	15	ug/Kg	M38
SS05BD	AS037	8/8/2001	CVOL	BROMOFORM	2	J	1.15	15	ug/Kg	M38
SS05BD	AS037	8/8/2001	CVOL	ACETONE	350	J	4.04	15	ug/Kg	M38
SS05BD	AS037	8/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	370	ug/Kg	M38
SS05BD	AS037	8/8/2001	CPEST	GAMMA-CHLORDANE	1	J	0.297	1.9	ug/Kg	M38
SS05BD	AS037	8/8/2001	CPEST	ENDRIN KETONE	4.3	NJ	0.853	3.7	ug/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	COBALT	3.1		0.34	0.34	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	ZINC	16.1		0.32	0.32	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	COPPER	7.6		0.43	0.43	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	POTASSIUM	598		39	39	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	NICKEL	6.2		0.32	0.32	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	MOLYBDENUM	0.47	J	0.29	0.29	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	MANGANESE	77		0.2	0.27	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	MAGNESIUM	1240		29.2	29.2	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	LEAD	8		0.2	0.34	mg/Kg	M38
SS05BD	AS037	8/8/2001	CL200.7	ANTIMONY	0.66	J	0.41	0.41	mg/Kg	M38
SS05BD	AS037	8/8/2001	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.82	J	0.263	1.9	ug/Kg	M38
SS05BD	AS037	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	130		1	2.21	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	COPPER	5		0.42	0.42	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	MAGNESIUM	1160		28.5	28.5	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	BERYLLIUM	0.25		0.07	0.07	mg/Kg	M38
SS05BD	AS038	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.5		1.5	1.6	mg/Kg	M38
SS05BD	AS038	8/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.14		0.0043	0.01	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	ALUMINUM	8360		2.7	2.7	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	MOLYBDENUM	0.47	J	0.29	0.29	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	IRON	9530		3.5	4.8	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	MANGANESE	79.3		0.2	0.26	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	COBALT	3.7		0.33	0.33	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	CHROMIUM, TOTAL	9.7		0.2	0.46	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	BARIUM	12.9		0.82	0.82	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	CALCIUM	106		38.7	38.7	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	CADMIUM	0.11	J	0.07	0.07	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	ARSENIC	3.3		0.55	0.55	mg/Kg	M38
SS05BD	AS038	8/8/2001	CVOL	ACETONE	45	J	4.04	7	ug/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	POTASSIUM	636		38.1	38.1	mg/Kg	M38
SS05BD	AS038	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.1		1	2.08	mg/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	VANADIUM	13.5		0.9	1.2	mg/Kg	M38

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05BD	AS038	8/8/2001	CL200.7	ZINC	14.1		0.31	0.31	mg/Kg	M38
SS05BD	AS038	8/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	370	ug/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	NICKEL	5.8		0.31	0.31	mg/Kg	M38
SS05BD	AS038	8/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	7	ug/Kg	M38
SS05BD	AS038	8/8/2001	CL200.7	LEAD	5.6		0.2	0.33	mg/Kg	M38
SS05BD	AS038	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	4760		0	0	mg/Kg	M38
SS05BD	AS038	8/8/2001	CVOL	BROMOFORM	2	J	1.15	7	ug/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	MOLYBDENUM	0.3	J	0.27	0.27	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	MANGANESE	80.9		0.2	0.25	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	MAGNESIUM	1110		27.3	27.3	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	LEAD	5.5		0.2	0.32	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	IRON	9820		3.5	4.6	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	CHROMIUM, TOTAL	10		0.2	0.44	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	CADMIUM	0.07	J	0.06	0.06	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	COBALT	3.5		0.32	0.32	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	NICKEL	5.7		0.3	0.3	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	COPPER	4.2		0.4	0.4	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	ALUMINUM	8700		2.6	2.6	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	CALCIUM	112		37	37	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	BERYLLIUM	0.26		0.06	0.06	mg/Kg	M38
SS05BD	AS039	8/8/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	4.56	8	ug/Kg	M38
SS05BD	AS039	8/8/2001	CVOL	BROMOFORM	1	J	1	8	ug/Kg	M38
SS05BD	AS039	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	70.8		1	1.96	mg/Kg	M38
SS05BD	AS039	8/8/2001	CVOL	ACETONE	78	J	4.04	8	ug/Kg	M38
SS05BD	AS039	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.4	J	1.5	1.6	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	VANADIUM	13.9		0.9	1.2	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	ZINC	17.3		0.3	0.3	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	BARIUM	12.4		0.78	0.78	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	ARSENIC	2.8		0.53	0.53	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	ANTIMONY	0.4	J	0.38	0.38	mg/Kg	M38
SS05BD	AS039	8/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.16		0.0043	0.01	mg/Kg	M38
SS05BD	AS039	8/8/2001	CPEST	ENDRIN KETONE	2.1	J	0.853	3.6	ug/Kg	M38
SS05BD	AS039	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	2620	J	0	0	mg/Kg	M38
SS05BD	AS039	8/8/2001	CL200.7	POTASSIUM	560		36.4	36.4	mg/Kg	M38
SS05BE	AS293	8/14/2001	CVOL	BROMOFORM	3	J	2.72	8	ug/Kg	M38
SS05BE	AS293	8/14/2001	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	32		0.263	3.4	ug/Kg	M38
SS05BE	AS293	8/14/2001	CPEST	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	7	J	0.238	1.7	ug/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	COBALT	2		0.2	0.2	mg/Kg	M38
SS05BE	AS293	8/14/2001	CPEST	P,P'-DDE	2.9	J	0.523	3.4	ug/Kg	M38
SS05BE	AS293	8/14/2001	CPEST	HEPTACHLOR	8.8	J	0.273	1.7	ug/Kg	M38
SS05BE	AS293	8/14/2001	CPEST	ALDRIN	1.4	NJ	0.273	1.7	ug/Kg	M38

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05BE	AS293	8/14/2001	CL200.7	ZINC	8.8		0.53	0.53	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	VANADIUM	6.8		0.2	0.2	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	POTASSIUM	320		30.5	30.5	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	NICKEL	2.8		0.39	0.39	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	MANGANESE	86.2		0.18	0.18	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	MAGNESIUM	443	J	19.5	19.5	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	LEAD	3.2		0.28	0.28	mg/Kg	M38
SS05BE	AS293	8/14/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	8	ug/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	COPPER	2.7	J	0.35	0.35	mg/Kg	M38
SS05BE	AS293	8/14/2001	CPEST	HEPTACHLOR EPOXIDE	1.6	J	0.248	1.7	ug/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	CHROMIUM, TOTAL	3.9		0.11	0.11	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	CALCIUM	105		21.9	21.9	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	CADMIUM	0.18		0.06	0.06	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	BERYLLIUM	0.16		0.02	0.02	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	BARIUM	4.9		0.52	0.52	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	ARSENIC	2	J	0.46	0.46	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	ALUMINUM	1610		2	2	mg/Kg	M38
SS05BE	AS293	8/14/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.046		0.0043	0.01	mg/Kg	M38
SS05BE	AS293	8/14/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	1.5	2.25	mg/Kg	M38
SS05BE	AS293	8/14/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	69.5		1	1.8	mg/Kg	M38
SS05BE	AS293	8/14/2001	CL200.7	IRON	5020		5.2	5.2	mg/Kg	M38
SS05BE	AS293	8/14/2001	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	1.7	J	0.301	1.7	ug/Kg	M38
SS05BF	AS295	8/14/2001	CPEST	HEPTACHLOR	4.4	J	0.273	1.9	ug/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	LEAD	4.8		0.28	0.28	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	MAGNESIUM	1560	J	19.7	19.7	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	MANGANESE	107		0.19	0.19	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	NICKEL	6.5		0.39	0.39	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	POTASSIUM	886		30.7	30.7	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	SELENIUM	0.45	J	0.43	0.43	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	VANADIUM	14.1		0.2	0.2	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	ZINC	18.6		0.54	0.54	mg/Kg	M38
SS05BF	AS295	8/14/2001	CPEST	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	4.4	J	0.238	1.9	ug/Kg	M38
SS05BF	AS295	8/14/2001	CPEST	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	1	J	0.301	1.9	ug/Kg	M38
SS05BF	AS295	8/14/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.78		0.0043	0.01	mg/Kg	M38
SS05BF	AS295	8/14/2001	CVOL	BROMOFORM	3	J	2.72	8	ug/Kg	M38
SS05BF	AS295	8/14/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	8	ug/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	BARIUM	13.5		0.52	0.52	mg/Kg	M38
SS05BF	AS295	8/14/2001	E350.2	NITROGEN, AMMONIA (AS N)	2.9	J	1.5	2.61	mg/Kg	M38
SS05BF	AS295	8/14/2001	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	16	J	0.263	1.9	ug/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	COPPER	6.3	J	0.35	0.35	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	IRON	8770		5.3	5.3	mg/Kg	M38

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05BF	AS295	8/14/2001	CL200.7	ALUMINUM	6680		2.1	2.1	mg/Kg	M38
SS05BF	AS295	8/14/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	133		1	2	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	BERYLLIUM	0.33		0.02	0.02	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	BORON	1.7	J	0.58	0.58	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	CADMIUM	0.18		0.06	0.06	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	CALCIUM	159		22.1	22.1	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	CHROMIUM, TOTAL	9.5		0.11	0.11	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	COBALT	4.6		0.2	0.2	mg/Kg	M38
SS05BF	AS295	8/14/2001	CL200.7	ARSENIC	3.5		0.52	0.52	mg/Kg	M38
SS05C	AS082	8/30/2001	CL200.7	POTASSIUM	3260		34.2	34.2	mg/Kg	K39
SS05C	AS082	8/30/2001	SW8270	DIETHYL PHTHALATE	40	J	40	350	ug/Kg	K39
SS05C	AS082	8/30/2001	SW8270	BENZOIC ACID	120	J	120	870	ug/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	ZINC	197	J	0.29	0.29	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	TITANIUM	1150		0.19	0.19	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	NICKEL	252	J	0.29	0.29	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	MOLYBDENUM	28.7	J	0.27	0.27	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	MANGANESE	321	J	0.25	0.25	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	MAGNESIUM	11900		26.8	26.8	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	LEAD	50.3		0.31	0.31	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	BARIUM	107		0.77	0.77	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	ALUMINUM	14700		2.6	2.6	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	VANADIUM	37.7		0.23	0.23	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	IRON	31700	J	4.5	4.5	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	ARSENIC	1.9		0.52	0.52	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	ANTIMONY	2.5	J	0.37	0.37	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	BERYLLIUM	0.27		0.02	0.02	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	CADMIUM	1.3		0.06	0.06	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	CALCIUM	3610		24.6	24.6	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	CHROMIUM, TOTAL	200	J	0.3	0.43	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	COBALT	17.9		0.31	0.31	mg/Kg	K39
SS05C	AS082	8/30/2001	CL200.7	COPPER	1630	J	0.39	0.39	mg/Kg	K39
SS05CA	AS043	8/17/2001	CL200.7	CADMIUM	0.69		0.07	0.07	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	LEAD	15.5		0.36	0.36	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	CHROMIUM, TOTAL	20.4		0.3	0.5	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	COBALT	2.9		0.36	0.36	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	IRON	17100		5.1	5.1	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	CALCIUM	186		28.1	28.1	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	MAGNESIUM	979	J	25.1	25.1	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	MANGANESE	51.2		0.28	0.28	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	MOLYBDENUM	1.5	J	0.31	0.31	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	POTASSIUM	649	J	39.2	39.2	mg/Kg	M39

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CA	AS043	8/17/2001	CL200.7	BERYLLIUM	0.26		0.02	0.02	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	ZINC	18.4		0.33	0.33	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	NICKEL	10.3		0.33	0.33	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	BARIUM	13.6		0.88	0.88	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	ARSENIC	5		0.59	0.59	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	ALUMINUM	16900		2.9	2.9	mg/Kg	M39
SS05CA	AS043	8/17/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.43		0.0043	0.01	mg/Kg	M39
SS05CA	AS043	8/17/2001	E350.2	NITROGEN, AMMONIA (AS N)	21.9		1.5	2.92	mg/Kg	M39
SS05CA	AS043	8/17/2001	LYDKHN	TOTAL ORGANIC CARBON	21800		0	0	mg/Kg	M39
SS05CA	AS043	8/17/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	128		1	2.4	mg/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	VANADIUM	26		0.26	0.26	mg/Kg	M39
SS05CA	AS043	8/17/2001	CVOL	TOLUENE	5	J	2.37	14	ug/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	SELENIUM	1.1		0.55	0.55	mg/Kg	M39
SS05CA	AS043	8/17/2001	CVOL	ACETONE	220		3.81	14	ug/Kg	M39
SS05CA	AS043	8/17/2001	CL200.7	COPPER	28.6	J	0.36	0.36	mg/Kg	M39
SS05CA	AS043	8/17/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	3.6	14	ug/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	COPPER	7.2	J	0.36	0.36	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	BERYLLIUM	0.32		0.02	0.02	mg/Kg	M39
SS05CA	AS044	8/17/2001	CVOL	BROMOFORM	2	J	2	17	ug/Kg	M39
SS05CA	AS044	8/17/2001	CVOL	ACETONE	150		3.81	17	ug/Kg	M39
SS05CA	AS044	8/17/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	54	J	54	390	ug/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	ZINC	16		0.34	0.34	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	VANADIUM	25.6		0.26	0.26	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	POTASSIUM	726	J	39.8	39.8	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	NICKEL	7.8		0.34	0.34	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	MOLYBDENUM	0.9	J	0.31	0.31	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	MANGANESE	51.3		0.29	0.29	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	MAGNESIUM	1230	J	25.5	25.5	mg/Kg	M39
SS05CA	AS044	8/17/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	17	ug/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	IRON	17200		5.2	5.2	mg/Kg	M39
SS05CA	AS044	8/17/2001	CVOL	TOLUENE	4	J	2.37	17	ug/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	COBALT	3.1		0.36	0.36	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	CHROMIUM, TOTAL	18.8		0.3	0.5	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	CALCIUM	117		28.5	28.5	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	CADMIUM	0.37		0.07	0.07	mg/Kg	M39
SS05CA	AS044	8/17/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93.7		1	2.3	mg/Kg	M39
SS05CA	AS044	8/17/2001	LYDKHN	TOTAL ORGANIC CARBON	8930		0	0	mg/Kg	M39
SS05CA	AS044	8/17/2001	E350.2	NITROGEN, AMMONIA (AS N)	13.3		1.5	2.57	mg/Kg	M39
SS05CA	AS044	8/17/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.19		0.0043	0.01	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	ALUMINUM	17600		3	3	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	ARSENIC	5.1		0.6	0.6	mg/Kg	M39

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CA	AS044	8/17/2001	CL200.7	BARIUM	15.5		0.89	0.89	mg/Kg	M39
SS05CA	AS044	8/17/2001	CL200.7	LEAD	9.7		0.36	0.36	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	LEAD	8.3		0.33	0.33	mg/Kg	M39
SS05CA	AS045	8/17/2001	CVOL	TOLUENE	4	J	2.37	13	ug/Kg	M39
SS05CA	AS045	8/17/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	13	ug/Kg	M39
SS05CA	AS045	8/17/2001	CVOL	ACETONE	160		3.81	13	ug/Kg	M39
SS05CA	AS045	8/17/2001	SW8270	DI-N-BUTYL PHTHALATE	30	J	30	390	ug/Kg	M39
SS05CA	AS045	8/17/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	390	ug/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	ZINC	14.6		0.31	0.31	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	VANADIUM	23.5		0.24	0.24	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	SELENIUM	0.77	J	0.5	0.5	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	POTASSIUM	668	J	36.2	36.2	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	NICKEL	7		0.31	0.31	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	MOLYBDENUM	0.66	J	0.28	0.28	mg/Kg	M39
SS05CA	AS045	8/17/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.8		1	2.3	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	MAGNESIUM	1110	J	23.2	23.2	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	ARSENIC	4.8		0.55	0.55	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	IRON	15600		4.8	4.8	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	COPPER	4.5	J	0.33	0.33	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	COBALT	2.5		0.33	0.33	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	CHROMIUM, TOTAL	16.4		0.3	0.46	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	CALCIUM	118		26	26	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	CADMIUM	0.38		0.07	0.07	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	BARIUM	14		0.81	0.81	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	ALUMINUM	15500		2.7	2.7	mg/Kg	M39
SS05CA	AS045	8/17/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.24		0.0043	0.01	mg/Kg	M39
SS05CA	AS045	8/17/2001	E350.2	NITROGEN, AMMONIA (AS N)	11.1	J	1.5	2.73	mg/Kg	M39
SS05CA	AS045	8/17/2001	LYDKHN	TOTAL ORGANIC CARBON	7990		0	0	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	MANGANESE	47.3		0.26	0.26	mg/Kg	M39
SS05CA	AS045	8/17/2001	CL200.7	BERYLLIUM	0.27		0.02	0.02	mg/Kg	M39
SS05CA	AS046	8/17/2001	LYDKHN	TOTAL ORGANIC CARBON	5120		0	0	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	CADMIUM	0.27		0.07	0.07	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	CALCIUM	124		28.1	28.1	mg/Kg	M39
SS05CA	AS046	8/17/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	91		1	1.9	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	BERYLLIUM	0.28		0.02	0.02	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	BARIUM	17.3		0.88	0.88	mg/Kg	M39
SS05CA	AS046	8/17/2001	CVOL	BROMOFORM	2	J	2	10	ug/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	ARSENIC	4.7		0.59	0.59	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	ALUMINUM	17200		2.9	2.9	mg/Kg	M39
SS05CA	AS046	8/17/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.16		0.0043	0.01	mg/Kg	M39
SS05CA	AS046	8/17/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.4	J	1.5	2.62	mg/Kg	M39

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CA	AS046	8/17/2001	CL200.7	CHROMIUM, TOTAL	20.9		0.3	0.5	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	COBALT	3.5		0.35	0.35	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	COPPER	3.5	J	0.35	0.35	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	VANADIUM	24.8		0.26	0.26	mg/Kg	M39
SS05CA	AS046	8/17/2001	CVOL	ACETONE	25	J	3.81	10	ug/Kg	M39
SS05CA	AS046	8/17/2001	SW8270	DI-N-BUTYL PHTHALATE	19	J	19	390	ug/Kg	M39
SS05CA	AS046	8/17/2001	CPEST	P,P'-DDT	3.6	J	1.63	3.9	ug/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	ZINC	16.6		0.33	0.33	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	IRON	17100		5.1	5.1	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	SELENIUM	1.7	J	0.54	0.54	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	POTASSIUM	816	J	39.1	39.1	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	MOLYBDENUM	1.2	J	0.31	0.31	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	MANGANESE	62.9		0.28	0.28	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	LEAD	8.6		0.35	0.35	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	MAGNESIUM	1500	J	25.1	25.1	mg/Kg	M39
SS05CA	AS046	8/17/2001	CL200.7	NICKEL	7.8		0.33	0.33	mg/Kg	M39
SS05CA	AS046	8/17/2001	CPEST	PCB-1254 (AROCHLOR 1254)	38	J	3.02	39	ug/Kg	M39
SS05CB	AS047	8/8/2001	CVOL	BROMOFORM	3	J	1.15	10	ug/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	MAGNESIUM	1450		26.7	26.7	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	MANGANESE	63.8		0.2	0.25	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	NICKEL	12		0.29	0.29	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	VANADIUM	22.8		0.9	1.2	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	ZINC	21.1		0.29	0.29	mg/Kg	L38
SS05CB	AS047	8/8/2001	SW8270	BENZOIC ACID	28	J	28	1000	ug/Kg	L38
SS05CB	AS047	8/8/2001	CVOL	ACETONE	52	J	4.04	10	ug/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	MOLYBDENUM	1		0.27	0.27	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	LEAD	13.6		0.2	0.31	mg/Kg	L38
SS05CB	AS047	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.8	J	1.5	1.7	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	POTASSIUM	600		35.7	35.7	mg/Kg	L38
SS05CB	AS047	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	5210	J	0	0	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	ALUMINUM	14800		2.6	2.6	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	ANTIMONY	0.42	J	0.37	0.37	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	ARSENIC	4.7		0.52	0.52	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	BARIUM	15.7		0.76	0.76	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	BERYLLIUM	0.33		0.06	0.06	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	CADMIUM	0.11	J	0.06	0.06	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	CALCIUM	129		36.3	36.3	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	IRON	15500		3.5	4.5	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	CHROMIUM, TOTAL	18.9		0.2	0.43	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	COBALT	3.4		0.31	0.31	mg/Kg	L38
SS05CB	AS047	8/8/2001	CL200.7	COPPER	22.8		0.39	0.39	mg/Kg	L38

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CB	AS047	8/8/2001	CL200.7	BORON	1.9	J	1.2	1.3	mg/Kg	L38
SS05CB	AS047	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114		1	2.35	mg/Kg	L38
SS05CB	AS048	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	3800		0	0	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	ZINC	19.9		0.31	0.31	mg/Kg	L38
SS05CB	AS048	8/8/2001	SW8270	2,4-DINITROTOLUENE	190	J	28.8	400	ug/Kg	L38
SS05CB	AS048	8/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19	J	19	400	ug/Kg	L38
SS05CB	AS048	8/8/2001	SW8270	DI-N-BUTYL PHTHALATE	270	J	70.8	400	ug/Kg	L38
SS05CB	AS048	8/8/2001	SW8270	N-NITROSODIPHENYLAMINE	32	J	32	400	ug/Kg	L38
SS05CB	AS048	8/8/2001	CVOL	BROMOFORM	3	J	1.15	10	ug/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	ARSENIC	4.7		0.55	0.55	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	ANTIMONY	0.44	J	0.39	0.39	mg/Kg	L38
SS05CB	AS048	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.5		1.5	1.7	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	VANADIUM	21.6		0.9	1.2	mg/Kg	L38
SS05CB	AS048	8/8/2001	CVOL	ACETONE	54	J	4.04	10	ug/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	ALUMINUM	15100		2.7	2.7	mg/Kg	L38
SS05CB	AS048	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	76.3		1	1.96	mg/Kg	L38
SS05CB	AS048	8/8/2001	CVOL	TOLUENE	1	J	1	10	ug/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	POTASSIUM	562		37.7	37.7	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	COPPER	17.4		0.42	0.42	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	COBALT	3.3		0.33	0.33	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	CHROMIUM, TOTAL	18.1		0.2	0.46	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	CADMIUM	0.11	J	0.07	0.07	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	BERYLLIUM	0.3		0.07	0.07	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	MAGNESIUM	1400		28.3	28.3	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	NICKEL	15.4		0.31	0.31	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	MOLYBDENUM	0.82		0.28	0.28	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	CALCIUM	113		38.4	38.4	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	MANGANESE	56.3		0.2	0.26	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	IRON	14400		3.5	4.7	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	LEAD	10.8		0.2	0.33	mg/Kg	L38
SS05CB	AS048	8/8/2001	CL200.7	BARIUM	17.6		0.81	0.81	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	LEAD	10.8		0.2	0.32	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	CADMIUM	0.14		0.06	0.06	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	ZINC	23.4		0.3	0.3	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	POTASSIUM	619		36.7	36.7	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	NICKEL	12.3		0.3	0.3	mg/Kg	L38
SS05CB	AS049	8/8/2001	CVOL	BROMOFORM	2	J	1.15	9	ug/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	MOLYBDENUM	0.6		0.28	0.28	mg/Kg	L38
SS05CB	AS049	8/8/2001	CVOL	ACETONE	45	J	4.04	9	ug/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	MANGANESE	62.4		0.2	0.26	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	MAGNESIUM	1590		27.5	27.5	mg/Kg	L38

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CB	AS049	8/8/2001	CL200.7	SELENIUM	0.62	J	0.49	0.49	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	ANTIMONY	0.73	J	0.38	0.38	mg/Kg	L38
SS05CB	AS049	8/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	390	ug/Kg	L38
SS05CB	AS049	8/8/2001	CVOL	TOLUENE	2	J	1.17	9	ug/Kg	L38
SS05CB	AS049	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	64.8		1	1.63	mg/Kg	L38
SS05CB	AS049	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	5030		0	0	mg/Kg	L38
SS05CB	AS049	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.1	J	1.5	1.7	mg/Kg	L38
SS05CB	AS049	8/8/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.013		0.0043	0.01	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	CHROMIUM, TOTAL	18.8		0.2	0.45	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	ALUMINUM	16700		2.6	2.6	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	IRON	16100		3.5	4.6	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	ARSENIC	4.9		0.53	0.53	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	BARIUM	16.6		0.79	0.79	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	BERYLLIUM	0.34		0.06	0.06	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	BORON	1.7	J	1.2	1.3	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	CALCIUM	120		37.3	37.3	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	COBALT	3.8		0.32	0.32	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	COPPER	21.2		0.4	0.4	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL245.5	MERCURY	0.07	J	0.0259	0.04	mg/Kg	L38
SS05CB	AS049	8/8/2001	CL200.7	VANADIUM	23.7		0.9	1.2	mg/Kg	L38
SS05CB	AS050	8/8/2001	SW8270	DI-N-BUTYL PHTHALATE	26	J	26	390	ug/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	BERYLLIUM	0.33		0.07	0.07	mg/Kg	L38
SS05CB	AS050	8/8/2001	CVOL	TOLUENE	3	J	1.17	9	ug/Kg	L38
SS05CB	AS050	8/8/2001	CVOL	ACETONE	42	J	4.04	9	ug/Kg	L38
SS05CB	AS050	8/8/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	26	390	ug/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	ZINC	24.1		0.32	0.32	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	VANADIUM	22.4		0.9	1.3	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	POTASSIUM	607		39.4	39.4	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	NICKEL	12.6		0.32	0.32	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	MOLYBDENUM	0.8		0.3	0.3	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	MANGANESE	67.8		0.2	0.27	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	MAGNESIUM	1610		29.5	29.5	mg/Kg	L38
SS05CB	AS050	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.4	J	1.5	1.7	mg/Kg	L38
SS05CB	AS050	8/8/2001	CVOL	BROMOFORM	2	J	1.15	9	ug/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	LEAD	13.5		0.2	0.34	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	ARSENIC	5		0.57	0.57	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	ALUMINUM	16600		2.8	2.8	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	BARIUM	16.9		0.84	0.84	mg/Kg	L38
SS05CB	AS050	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	3740	J	0	0	mg/Kg	L38
SS05CB	AS050	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114		1	2.35	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	CADMIUM	0.13	J	0.07	0.07	mg/Kg	L38

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CB	AS050	8/8/2001	CL200.7	CALCIUM	134		40	40	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	CHROMIUM, TOTAL	19.4		0.2	0.48	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	COBALT	3.9		0.34	0.34	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	COPPER	19.6		0.43	0.43	mg/Kg	L38
SS05CB	AS050	8/8/2001	CL200.7	IRON	17100		3.5	5	mg/Kg	L38
SS05CC	AS053	8/8/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.4	J	1.5	1.6	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	MAGNESIUM	1710		29	29	mg/Kg	K38
SS05CC	AS053	8/8/2001	CVOL	TOLUENE	1	J	1	8	ug/Kg	K38
SS05CC	AS053	8/8/2001	CVOL	CHLOROFORM	8	J	0.902	2	ug/Kg	K38
SS05CC	AS053	8/8/2001	CVOL	BROMOFORM	2	J	1.15	8	ug/Kg	K38
SS05CC	AS053	8/8/2001	CVOL	ACETONE	28	J	4.04	8	ug/Kg	K38
SS05CC	AS053	8/8/2001	SW8270	BENZOIC ACID	17	J	17	930	ug/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	ZINC	18.3		0.31	0.31	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	VANADIUM	19.4		0.9	1.3	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	POTASSIUM	672		38.8	38.8	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	NICKEL	8.2		0.31	0.31	mg/Kg	K38
SS05CC	AS053	8/8/2001	LYDKHN	TOTAL ORGANIC CARBON	670	J	0	0	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	MANGANESE	66.5		0.2	0.27	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	CHROMIUM, TOTAL	16.1		0.2	0.47	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	LEAD	7.4		0.2	0.34	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	IRON	12500		3.5	4.9	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	COPPER	6.3		0.43	0.43	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	COBALT	3.7		0.34	0.34	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	CALCIUM	117		39.4	39.4	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	BERYLLIUM	0.27		0.07	0.07	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	BARIUM	17.5		0.83	0.83	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	ARSENIC	4.2		0.56	0.56	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	ALUMINUM	14200		2.8	2.8	mg/Kg	K38
SS05CC	AS053	8/8/2001	SW8330	TETRYL	48000		28.5	720	ug/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	MOLYBDENUM	0.66		0.29	0.29	mg/Kg	K38
SS05CC	AS053	8/8/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	70.1		1	2.22	mg/Kg	K38
SS05CC	AS053	8/8/2001	CL200.7	BORON	1.4	J	1.2	1.4	mg/Kg	K38
SS05CD	AS054	8/29/2001	CVOL	ACETONE	460	J	3.81	15	ug/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	ZINC	52.6	J	0.3	0.3	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	CADMIUM	0.51		0.07	0.07	mg/Kg	L39
SS05CD	AS054	8/29/2001	SW8270	BENZOIC ACID	150	J	150	930	ug/Kg	L39
SS05CD	AS054	8/29/2001	CVOL	TOLUENE	9	J	2.37	15	ug/Kg	L39
SS05CD	AS054	8/29/2001	CVOL	BROMOMETHANE	8	J	4.45	15	ug/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	COPPER	241	J	0.41	0.41	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	CALCIUM	118		25.8	25.8	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	VANADIUM	18.9		0.24	0.24	mg/Kg	L39

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CD	AS054	8/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	17	J	3.6	15	ug/Kg	L39
SS05CD	AS054	8/29/2001	LYDKHN	TOTAL ORGANIC CARBON	9560	J	0	0	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	BERYLLIUM	0.28		0.02	0.02	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	BARIUM	12.4		0.81	0.81	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	ARSENIC	4.1		0.54	0.54	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	ANTIMONY	2.1	J	0.39	0.39	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	ALUMINUM	10400		2.7	2.7	mg/Kg	L39
SS05CD	AS054	8/29/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.13		0.0043	0.011	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	LEAD	20.5		0.33	0.33	mg/Kg	L39
SS05CD	AS054	8/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.5		1.5	2.9	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	POTASSIUM	406		36	36	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	CHROMIUM, TOTAL	229	J	0.3	0.46	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	COBALT	8.7		0.33	0.33	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	IRON	21900	J	4.7	4.7	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	MAGNESIUM	723		28.1	28.1	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	MANGANESE	82.8	J	0.26	0.26	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	MOLYBDENUM	49.1	J	0.28	0.28	mg/Kg	L39
SS05CD	AS054	8/29/2001	CL200.7	NICKEL	326	J	0.3	0.3	mg/Kg	L39
SS05CD	AS054	8/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	143	J	1	2.2	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	CHROMIUM, TOTAL	13.4	J	0.3	0.42	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	ZINC	22	J	0.28	0.28	mg/Kg	L39
SS05CD	AS055	8/29/2001	CVOL	TOLUENE	0.9	J	0.9	9	ug/Kg	L39
SS05CD	AS055	8/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	9	ug/Kg	L39
SS05CD	AS055	8/29/2001	CVOL	ACETONE	62		3.81	9	ug/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	CALCIUM	96.5		23.5	23.5	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	ARSENIC	3.6		0.5	0.5	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	ALUMINUM	11100		2.5	2.5	mg/Kg	L39
SS05CD	AS055	8/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.1	J	1.5	2.5	mg/Kg	L39
SS05CD	AS055	8/29/2001	LYDKHN	TOTAL ORGANIC CARBON	6920	J	0	0	mg/Kg	L39
SS05CD	AS055	8/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	83.4	J	1	1.8	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	COPPER	42.5	J	0.38	0.38	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	CADMIUM	0.13		0.06	0.06	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	VANADIUM	18.7		0.22	0.22	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	BARIUM	12.8		0.73	0.73	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	COBALT	2.4		0.3	0.3	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	IRON	12100	J	4.3	4.3	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	LEAD	21.7		0.3	0.3	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	MAGNESIUM	849		25.6	25.6	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	POTASSIUM	478		32.8	32.8	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	NICKEL	11.7	J	0.28	0.28	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	MOLYBDENUM	0.68	J	0.26	0.26	mg/Kg	L39

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CD	AS055	8/29/2001	CL200.7	MANGANESE	46	J	0.24	0.24	mg/Kg	L39
SS05CD	AS055	8/29/2001	CL200.7	BERYLLIUM	0.31		0.02	0.02	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	VANADIUM	16.5		0.23	0.23	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	MAGNESIUM	1020		27.1	27.1	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	MANGANESE	51.9	J	0.25	0.25	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	MOLYBDENUM	0.39	J	0.27	0.27	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	POTASSIUM	517		34.7	34.7	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	COPPER	15.6	J	0.4	0.4	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	ZINC	17.2	J	0.29	0.29	mg/Kg	L39
SS05CD	AS056	8/29/2001	SW8270	BENZOIC ACID	110	J	110	910	ug/Kg	L39
SS05CD	AS056	8/29/2001	CVOL	ACETONE	150	J	3.81	9	ug/Kg	L39
SS05CD	AS056	8/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	9	ug/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	NICKEL	9	J	0.29	0.29	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	IRON	10700	J	4.6	4.6	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	CHROMIUM, TOTAL	11.1	J	0.3	0.44	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	COBALT	2.6		0.31	0.31	mg/Kg	L39
SS05CD	AS056	8/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.8	J	1	1.8	mg/Kg	L39
SS05CD	AS056	8/29/2001	LYDKHN	TOTAL ORGANIC CARBON	3010	J	0	0	mg/Kg	L39
SS05CD	AS056	8/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.2	J	1.5	2.5	mg/Kg	L39
SS05CD	AS056	8/29/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.024		0.0043	0.011	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	ALUMINUM	9670		2.6	2.6	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	ARSENIC	3.7		0.52	0.52	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	BARIUM	13.1		0.78	0.78	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	BERYLLIUM	0.29		0.02	0.02	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	CALCIUM	98.8		24.9	24.9	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	LEAD	7.7		0.31	0.31	mg/Kg	L39
SS05CD	AS056	8/29/2001	CL200.7	CADMIUM	0.08	J	0.06	0.06	mg/Kg	L39
SS05CE	AS057	8/29/2001	LYDKHN	TOTAL ORGANIC CARBON	7220	J	0	0	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	POTASSIUM	501		34.1	34.1	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	NICKEL	94.2	J	0.29	0.29	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	MOLYBDENUM	13	J	0.27	0.27	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	MANGANESE	93.8	J	0.25	0.25	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	MAGNESIUM	1160		26.7	26.7	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	LEAD	17.8		0.31	0.31	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	IRON	17700	J	4.5	4.5	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	COPPER	315	J	0.39	0.39	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	VANADIUM	18.7		0.23	0.23	mg/Kg	L39
SS05CE	AS057	8/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	1.5	2.6	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	CHROMIUM, TOTAL	67.5	J	0.3	0.43	mg/Kg	L39
SS05CE	AS057	8/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	98.2	J	1	2.1	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	CALCIUM	234		24.5	24.5	mg/Kg	L39

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CE	AS057	8/29/2001	CL200.7	CADMIUM	0.6		0.06	0.06	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	BERYLLIUM	0.3		0.02	0.02	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	BARIUM	45.5		0.76	0.76	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	ARSENIC	3.7		0.52	0.52	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	ANTIMONY	0.93	J	0.37	0.37	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	ALUMINUM	10800		2.6	2.6	mg/Kg	L39
SS05CE	AS057	8/29/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.42		0.0043	0.011	mg/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	COBALT	4.3		0.31	0.31	mg/Kg	L39
SS05CE	AS057	8/29/2001	CVOL	ACETONE	63		3.81	9	ug/Kg	L39
SS05CE	AS057	8/29/2001	CL200.7	ZINC	57.4	J	0.29	0.29	mg/Kg	L39
SS05CE	AS057	8/29/2001	CVOL	CHLOROMETHANE	3	J	3	9	ug/Kg	L39
SS05CE	AS057	8/29/2001	CVOL	BROMOMETHANE	47		4.45	9	ug/Kg	L39
SS05CE	AS057	8/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	9	ug/Kg	L39
SS05CE	AS057	8/29/2001	SW8270	N-NITROSODIPHENYLAMINE	390	J	82.8	370	ug/Kg	L39
SS05CE	AS057	8/29/2001	SW8270	DI-N-BUTYL PHTHALATE	5900		70.8	1500	ug/Kg	L39
SS05CE	AS057	8/29/2001	SW8270	BENZOIC ACID	110	J	110	920	ug/Kg	L39
SS05CE	AS057	8/29/2001	SW8270	2-NITRODIPHENYLAMINE	120	J	66.2	370	ug/Kg	L39
SS05CE	AS057	8/29/2001	SW8270	2,6-DINITROTOLUENE	560	J	91.5	370	ug/Kg	L39
SS05CE	AS057	8/29/2001	SW8270	2,4-DINITROTOLUENE	9700		28.8	1500	ug/Kg	L39
SS05CE	AS058	8/29/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.2		0.0043	0.011	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	CALCIUM	92.3		24.4	24.4	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	ALUMINUM	10900		2.6	2.6	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	ARSENIC	3		0.51	0.51	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	BARIUM	17.2		0.76	0.76	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	BERYLLIUM	0.28		0.02	0.02	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	NICKEL	14.6	J	0.29	0.29	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	CADMIUM	0.2		0.06	0.06	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	CHROMIUM, TOTAL	13.3	J	0.3	0.43	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	COBALT	2		0.31	0.31	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	POTASSIUM	418		34	34	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	IRON	11100	J	4.5	4.5	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	ZINC	23.8	J	0.29	0.29	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	MOLYBDENUM	1.1	J	0.27	0.27	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	MANGANESE	38.9	J	0.25	0.25	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	MAGNESIUM	705		26.6	26.6	mg/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	COPPER	49.2	J	0.39	0.39	mg/Kg	L39
SS05CE	AS058	8/29/2001	SW8270	DI-N-BUTYL PHTHALATE	26	J	26	360	ug/Kg	L39
SS05CE	AS058	8/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	3.6	9	ug/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	LEAD	7.7		0.31	0.31	mg/Kg	L39
SS05CE	AS058	8/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97	J	1	2.2	mg/Kg	L39
SS05CE	AS058	8/29/2001	CVOL	CHLOROMETHANE	1	J	1	9	ug/Kg	L39

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NJ = Estimated Result
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CE	AS058	8/29/2001	CVOL	ACETONE	180	J	3.81	9	ug/Kg	L39
SS05CE	AS058	8/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.6		1.5	2.6	mg/Kg	L39
SS05CE	AS058	8/29/2001	SW8270	BENZOIC ACID	100	J	100	910	ug/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	VANADIUM	17.5		0.23	0.23	mg/Kg	L39
SS05CE	AS058	8/29/2001	CVOL	TOLUENE	0.8	J	0.8	9	ug/Kg	L39
SS05CE	AS058	8/29/2001	CL200.7	SELENIUM	0.66	J	0.47	0.47	mg/Kg	L39
SS05CE	AS058	8/29/2001	LYDKHN	TOTAL ORGANIC CARBON	5030	J	0	0	mg/Kg	L39
SS05CE	AS058	8/29/2001	CVOL	BROMOMETHANE	30		4.45	9	ug/Kg	L39
SS05CE	AS059	8/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	118	J	1	2	mg/Kg	L39
SS05CE	AS059	8/29/2001	CVOL	BROMOMETHANE	3	J	3	8	ug/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	MOLYBDENUM	0.53	J	0.29	0.29	mg/Kg	L39
SS05CE	AS059	8/29/2001	SW8270	DI-N-BUTYL PHTHALATE	20	J	20	360	ug/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	IRON	9660	J	4.8	4.8	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	COPPER	4.3	J	0.42	0.42	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	COBALT	2.3		0.33	0.33	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	CHROMIUM, TOTAL	9.8	J	0.3	0.46	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	CALCIUM	94.3		26.1	26.1	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	CADMIUM	0.09	J	0.07	0.07	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	BERYLLIUM	0.29		0.02	0.02	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	BARIUM	14.3		0.81	0.81	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	MAGNESIUM	964		28.4	28.4	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	POTASSIUM	449		36.4	36.4	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	LEAD	5.6		0.33	0.33	mg/Kg	L39
SS05CE	AS059	8/29/2001	LYDKHN	TOTAL ORGANIC CARBON	1760	J	0	0	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	NICKEL	7.1	J	0.31	0.31	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	VANADIUM	14		0.24	0.24	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	ZINC	15.7	J	0.31	0.31	mg/Kg	L39
SS05CE	AS059	8/29/2001	SW8270	BENZOIC ACID	170	J	170	910	ug/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	MANGANESE	46.1	J	0.26	0.26	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	ARSENIC	3.6		0.55	0.55	mg/Kg	L39
SS05CE	AS059	8/29/2001	CL200.7	ALUMINUM	8890		2.7	2.7	mg/Kg	L39
SS05CE	AS059	8/29/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.16		0.0043	0.011	mg/Kg	L39
SS05CE	AS059	8/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	1.5	2.6	mg/Kg	L39
SS05CF	AS060	8/28/2001	M8015D	C11-C22 AROMATIC HYDROCARBONS	27	J	2.24	20	mg/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	N-NITROSODIPHENYLAMINE	27	J	27	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	BERYLLIUM	0.37		0.02	0.02	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	ZINC	79.3		0.31	0.31	mg/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	PYRENE	2000		75	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	POTASSIUM	690		36.2	36.2	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	NICKEL	48.5		0.31	0.31	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	MOLYBDENUM	3.9		0.28	0.28	mg/Kg	K40

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CF	AS060	8/28/2001	CL200.7	MANGANESE	140		0.26	0.26	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	MAGNESIUM	1750		28.3	28.3	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	LEAD	18.1		0.33	0.33	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	IRON	23900		4.7	4.7	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	COPPER	221		0.42	0.42	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	COBALT	4.9		0.33	0.33	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	CHROMIUM, TOTAL	32.7		0.3	0.46	mg/Kg	K40
SS05CF	AS060	8/28/2001	CVOL	TOLUENE	2	J	2	9	ug/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	CADMIUM	1.3		0.07	0.07	mg/Kg	K40
SS05CF	AS060	8/28/2001	CPEST	ALPHA ENDOSULFAN	1.7	NJ	0.264	2	ug/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	BARIUM	22.5		0.81	0.81	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	ARSENIC	3.6		0.55	0.55	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	ANTIMONY	0.7	J	0.39	0.39	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	ALUMINUM	10400		2.7	2.7	mg/Kg	K40
SS05CF	AS060	8/28/2001	M8015D	PYRENE	9.2	J	0.168	1.2	mg/Kg	K40
SS05CF	AS060	8/28/2001	M8015D	FLUORANTHENE	9.6	J	0.187	1.2	mg/Kg	K40
SS05CF	AS060	8/28/2001	M8015D	CHRYSENE	4.8	J	0.168	1.2	mg/Kg	K40
SS05CF	AS060	8/28/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	142		1	2.1	mg/Kg	K40
SS05CF	AS060	8/28/2001	LYDKHN	TOTAL ORGANIC CARBON	10100		0	0	mg/Kg	K40
SS05CF	AS060	8/28/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.3	J	1.5	2.6	mg/Kg	K40
SS05CF	AS060	8/28/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.39		0.0043	0.012	mg/Kg	K40
SS05CF	AS060	8/28/2001	M8015D	BENZO(A)ANTHRACENE	2.8	J	0.166	1.2	mg/Kg	K40
SS05CF	AS060	8/28/2001	M8015D	BENZO(B)FLUORANTHENE	3.6	J	0.236	1.2	mg/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	CALCIUM	272		26	26	mg/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	BENZO(G,H,I)PERYLENE	100	J	85	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	3.6	9	ug/Kg	K40
SS05CF	AS060	8/28/2001	CVOL	BROMOMETHANE	3	J	3	9	ug/Kg	K40
SS05CF	AS060	8/28/2001	CVOL	ACETONE	110	J	3.81	9	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	PHENANTHRENE	81	J	77.4	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	INDENO(1,2,3-C,D)PYRENE	120	J	81.5	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	FLUORANTHENE	1900		84.8	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	DIBENZ(A,H)ANTHRACENE	50	J	50	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	DI-N-BUTYL PHTHALATE	270	J	70.8	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	CHRYSENE	1500		92.9	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	CL200.7	VANADIUM	21.2		0.24	0.24	mg/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	BENZO(K)FLUORANTHENE	550		90.1	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	CPEST	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.5	NJ	0.263	2	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	BENZO(B)FLUORANTHENE	850		68.2	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	CPEST	GAMMA-CHLORDANE	1.9	J	0.297	2	ug/Kg	K40
SS05CF	AS060	8/28/2001	CPEST	BETA ENDOSULFAN	2.4	NJ	0.524	3.8	ug/Kg	K40
SS05CF	AS060	8/28/2001	CPEST	ENDOSULFAN SULFATE	6.3	NJ	0.589	3.8	ug/Kg	K40

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CF	AS060	8/28/2001	CPEST	ENDRIN ALDEHYDE	9.9	J	0.728	3.8	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	CARBAZOLE	50	J	50	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	CPEST	ENDRIN KETONE	16	NJ	0.853	3.8	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	BENZO(A)PYRENE	240	J	73.1	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	CPEST	METHOXYCHLOR	15	J	15	20	ug/Kg	K40
SS05CF	AS060	8/28/2001	CPEST	P,P'-DDE	2.6	NJ	0.523	3.8	ug/Kg	K40
SS05CF	AS060	8/28/2001	CPEST	P,P'-DDT	3	NJ	1.63	3.8	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	2,4-DINITROTOLUENE	150	J	28.8	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	ACENAPHTHYLENE	20	J	20	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	ANTHRACENE	140	J	80.4	380	ug/Kg	K40
SS05CF	AS060	8/28/2001	SW8270	BENZO(A)ANTHRACENE	730		88.7	380	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	PYRENE	3700		75	570	ug/Kg	K40
SS05CF	AS061	8/28/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	3.6	16	ug/Kg	K40
SS05CF	AS061	8/28/2001	CVOL	BROMOMETHANE	6	J	4.45	16	ug/Kg	K40
SS05CF	AS061	8/28/2001	CVOL	ACETONE	130	J	3.81	16	ug/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	POTASSIUM	630		36.1	36.1	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	BARIUM	19		0.81	0.81	mg/Kg	K40
SS05CF	AS061	8/28/2001	CPEST	ENDOSULFAN SULFATE	2.9	NJ	0.589	3.7	ug/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	VANADIUM	18.6		0.24	0.24	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	NICKEL	27.9		0.31	0.31	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	MOLYBDENUM	2.1		0.28	0.28	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	MANGANESE	98		0.26	0.26	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	MAGNESIUM	1790		28.3	28.3	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	LEAD	12.7		0.33	0.33	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	IRON	11900		4.7	4.7	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	COPPER	103		0.42	0.42	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	COBALT	3.9		0.33	0.33	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	CHROMIUM, TOTAL	18.6		0.3	0.46	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	CALCIUM	407		25.9	25.9	mg/Kg	K40
SS05CF	AS061	8/28/2001	CPEST	ENDRIN	2.3	NJ	0.56	3.7	ug/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	BERYLLIUM	0.28		0.02	0.02	mg/Kg	K40
SS05CF	AS061	8/28/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.5	J	1.5	2.7	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	ARSENIC	2.8		0.55	0.55	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	ANTIMONY	0.41	J	0.39	0.39	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	ALUMINUM	9380		2.7	2.7	mg/Kg	K40
SS05CF	AS061	8/28/2001	M8015D	PYRENE	5.9	J	0.168	1.1	mg/Kg	K40
SS05CF	AS061	8/28/2001	M8015D	FLUORANTHENE	7.2	J	0.187	1.1	mg/Kg	K40
SS05CF	AS061	8/28/2001	M8015D	CHRYSENE	3	J	0.168	1.1	mg/Kg	K40
SS05CF	AS061	8/28/2001	M8015D	BENZO(B)FLUORANTHENE	1.9	J	0.236	1.1	mg/Kg	K40
SS05CF	AS061	8/28/2001	M8015D	BENZO(A)ANTHRACENE	2	J	0.166	1.1	mg/Kg	K40
SS05CF	AS061	8/28/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.47		0.0043	0.011	mg/Kg	K40

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CF	AS061	8/28/2001	SW8270	PHENANTHRENE	91	J	77.4	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	LYDKHN	TOTAL ORGANIC CARBON	7520		0	0	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	ZINC	45.1		0.31	0.31	mg/Kg	K40
SS05CF	AS061	8/28/2001	CL200.7	CADMIUM	0.52		0.07	0.07	mg/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	CHRYSENE	2000		92.9	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	123		1	2.1	mg/Kg	K40
SS05CF	AS061	8/28/2001	CPEST	ENDRIN ALDEHYDE	6.4	J	0.728	3.7	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	INDENO(1,2,3-C,D)PYRENE	180	J	81.5	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	FLUORANTHENE	2500		84.8	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	DIBENZ(A,H)ANTHRACENE	74	J	74	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	CARBAZOLE	58	J	58	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	20	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	BENZO(K)FLUORANTHENE	1100		90.1	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	BENZO(G,H,I)PERYLENE	140	J	85	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	CPEST	ENDRIN KETONE	8.6	J	0.853	3.7	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	BENZO(B)FLUORANTHENE	1000	J	68.2	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	CPEST	P,P'-DDT	2.5	NJ	1.63	3.7	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	28	J	28	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	ACENAPHTHYLENE	25	J	25	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	CPEST	P,P'-DDE	1.5	NJ	0.523	3.7	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	BENZO(A)PYRENE	450	J	73.1	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	BENZO(A)ANTHRACENE	1200		88.7	370	ug/Kg	K40
SS05CF	AS061	8/28/2001	SW8270	ANTHRACENE	110	J	80.4	370	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	2,4-DINITROTOLUENE	24	J	24	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	BENZO(A)PYRENE	650	J	73.1	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	BENZO(A)ANTHRACENE	1800		88.7	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	ANTHRACENE	740		80.4	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	19	J	19	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	CPEST	ENDRIN	2	NJ	0.56	3.8	ug/Kg	K40
SS05CF	AS062	8/28/2001	CPEST	ENDRIN KETONE	15	NJ	0.853	3.8	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	BENZO(B)FLUORANTHENE	1500	J	68.2	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	CPEST	ENDRIN ALDEHYDE	12	J	0.728	3.8	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	CHRYSENE	3000		92.9	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	CPEST	P,P'-DDT	3.6	NJ	1.63	3.8	ug/Kg	K40
SS05CF	AS062	8/28/2001	CPEST	P,P'-DDE	1.3	NJ	0.523	3.8	ug/Kg	K40
SS05CF	AS062	8/28/2001	CPEST	METHOXYCHLOR	18	J	17	20	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	ACENAPHTHYLENE	33	J	33	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	CVOL	TOLUENE	4	J	2.37	9	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	FLUORANTHENE	2200		84.8	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	INDENO(1,2,3-C,D)PYRENE	250	J	81.5	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	PHENANTHRENE	84	J	77.4	380	ug/Kg	K40

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CF	AS062	8/28/2001	SW8270	PYRENE	4100		75	540	ug/Kg	K40
SS05CF	AS062	8/28/2001	CVOL	ACETONE	110	J	3.81	9	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	26	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	9	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	BENZO(G,H,I)PERYLENE	190	J	85	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	DIBENZ(A,H)ANTHRACENE	100	J	78.9	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	IRON	10400		4.7	4.7	mg/Kg	K40
SS05CF	AS062	8/28/2001	CPEST	ENDOSULFAN SULFATE	8.6	NJ	0.589	3.8	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	CARBAZOLE	48	J	48	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	DI-N-BUTYL PHTHALATE	110	J	70.8	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	SW8270	BENZO(K)FLUORANTHENE	1200		90.1	380	ug/Kg	K40
SS05CF	AS062	8/28/2001	CVOL	BROMOMETHANE	4	J	4	9	ug/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	BARIUM	17.3		0.8	0.8	mg/Kg	K40
SS05CF	AS062	8/28/2001	M8015D	CHRYSENE	6.7	J	0.168	1.2	mg/Kg	K40
SS05CF	AS062	8/28/2001	M8015D	C11-C22 AROMATIC HYDROCARBONS	34	J	2.24	20	mg/Kg	K40
SS05CF	AS062	8/28/2001	M8015D	BENZO(B)FLUORANTHENE	4.8	J	0.236	1.2	mg/Kg	K40
SS05CF	AS062	8/28/2001	M8015D	BENZO(A)PYRENE	1.3	J	0.146	1.2	mg/Kg	K40
SS05CF	AS062	8/28/2001	M8015D	BENZO(A)ANTHRACENE	3.7	J	0.166	1.2	mg/Kg	K40
SS05CF	AS062	8/28/2001	SW8330	2,4-DINITROTOLUENE	470	J	20.2	120	ug/Kg	K40
SS05CF	AS062	8/28/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.35		0.0043	0.012	mg/Kg	K40
SS05CF	AS062	8/28/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.7	J	1.5	2.8	mg/Kg	K40
SS05CF	AS062	8/28/2001	LYDKHN	TOTAL ORGANIC CARBON	4670		0	0	mg/Kg	K40
SS05CF	AS062	8/28/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	83.9		1	1.96	mg/Kg	K40
SS05CF	AS062	8/28/2001	M8015D	FLUORANTHENE	4.6	J	0.187	1.2	mg/Kg	K40
SS05CF	AS062	8/28/2001	M8015D	PYRENE	6.3	J	0.168	1.2	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	MAGNESIUM	1470		27.9	27.9	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	ARSENIC	3.2		0.54	0.54	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	LEAD	11.6		0.32	0.32	mg/Kg	K40
SS05CF	AS062	8/28/2001	CPEST	ALPHA ENDOSULFAN	1.5	NJ	0.264	2	ug/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	ZINC	39.1		0.3	0.3	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	VANADIUM	17.8		0.24	0.24	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	POTASSIUM	625		35.7	35.7	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	NICKEL	17.7		0.3	0.3	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	MOLYBDENUM	1.2		0.28	0.28	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	ALUMINUM	8840		2.7	2.7	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	MANGANESE	82.1		0.26	0.26	mg/Kg	K40
SS05CF	AS062	8/28/2001	CPEST	BETA ENDOSULFAN	2.1	NJ	0.524	3.8	ug/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	COPPER	90		0.41	0.41	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	COBALT	3.4		0.32	0.32	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	CHROMIUM, TOTAL	17.4		0.3	0.45	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	CALCIUM	266		25.6	25.6	mg/Kg	K40

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CF	AS062	8/28/2001	CL200.7	CADMIUM	0.28		0.06	0.06	mg/Kg	K40
SS05CF	AS062	8/28/2001	CL200.7	BERYLLIUM	0.28		0.02	0.02	mg/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	PYRENE	1300		75	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	BERYLLIUM	0.29		0.02	0.02	mg/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	INDENO(1,2,3-C,D)PYRENE	130	J	81.5	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	FLUORANTHENE	860		84.8	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	PHENANTHRENE	23	J	23	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	CVOL	ACETONE	54	J	3.81	8	ug/Kg	K40
SS05CF	AS063	8/28/2001	CVOL	BROMOMETHANE	7	J	4.45	8	ug/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	CHROMIUM, TOTAL	9.6		0.3	0.42	mg/Kg	K40
SS05CF	AS063	8/28/2001	CVOL	CHLOROMETHANE	0.9	J	0.9	8	ug/Kg	K40
SS05CF	AS063	8/28/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	3.6	8	ug/Kg	K40
SS05CF	AS063	8/28/2001	CVOL	TOLUENE	1	J	1	8	ug/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	DI-N-BUTYL PHTHALATE	18	J	18	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	CADMIUM	0.12		0.06	0.06	mg/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	CHRYSENE	1100		92.9	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	BARIUM	13.3		0.74	0.74	mg/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	ARSENIC	3		0.5	0.5	mg/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	ANTIMONY	0.38	J	0.36	0.36	mg/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	ALUMINUM	7970		2.5	2.5	mg/Kg	K40
SS05CF	AS063	8/28/2001	M8015D	PYRENE	1.7	J	0.168	1.1	mg/Kg	K40
SS05CF	AS063	8/28/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.3		0.0043	0.011	mg/Kg	K40
SS05CF	AS063	8/28/2001	E350.2	NITROGEN, AMMONIA (AS N)	11.2	J	1.5	2.5	mg/Kg	K40
SS05CF	AS063	8/28/2001	LYDKHN	TOTAL ORGANIC CARBON	3290		0	0	mg/Kg	K40
SS05CF	AS063	8/28/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	99.2		1	2.05	mg/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	CALCIUM	118		23.8	23.8	mg/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	BENZO(G,H,I)PERYLENE	110	J	85	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	BENZO(A)ANTHRACENE	620		88.7	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	ANTHRACENE	76	J	76	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	CPEST	ENDRIN KETONE	3.1	J	0.853	3.6	ug/Kg	K40
SS05CF	AS063	8/28/2001	CPEST	ENDRIN ALDEHYDE	1.8	J	0.728	3.6	ug/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	ZINC	19.9		0.28	0.28	mg/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	VANADIUM	15.3		0.22	0.22	mg/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	POTASSIUM	625		33.2	33.2	mg/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	NICKEL	6.3		0.28	0.28	mg/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	DIBENZ(A,H)ANTHRACENE	51	J	51	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	MANGANESE	75.3		0.24	0.24	mg/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	BENZO(A)PYRENE	280	J	73.1	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	BENZO(B)FLUORANTHENE	710	J	68.2	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	MAGNESIUM	1300		26	26	mg/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	LEAD	6.2		0.3	0.3	mg/Kg	K40

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CF	AS063	8/28/2001	CL200.7	IRON	8970		4.4	4.4	mg/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	COPPER	9.2		0.38	0.38	mg/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	COBALT	3.1		0.3	0.3	mg/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	BENZO(K)FLUORANTHENE	610		90.1	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	BENZOIC ACID	480	J	262	920	ug/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	SW8270	CARBAZOLE	23	J	23	360	ug/Kg	K40
SS05CF	AS063	8/28/2001	CL200.7	MOLYBDENUM	0.44	J	0.26	0.26	mg/Kg	K40
SS05CG	AS064	8/28/2001	CL200.7	MANGANESE	89.2		0.26	0.26	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	NICKEL	8		0.3	0.3	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	ARSENIC	4.4		0.54	0.54	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	ALUMINUM	12600		2.7	2.7	mg/Kg	K41
SS05CG	AS064	8/28/2001	E353.2	NITROGEN, NITRATE-NITRITE	2.8		0.0043	0.012	mg/Kg	K41
SS05CG	AS064	8/28/2001	E350.2	NITROGEN, AMMONIA (AS N)	30.8	J	1.5	2.5	mg/Kg	K41
SS05CG	AS064	8/28/2001	LYDKHN	TOTAL ORGANIC CARBON	14300		0	0	mg/Kg	K41
SS05CG	AS064	8/28/2001	CVOL	ACETONE	56	J	3.81	13	ug/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	MOLYBDENUM	0.44	J	0.28	0.28	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	CADMIUM	0.17		0.06	0.06	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	POTASSIUM	718		35.6	35.6	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	VANADIUM	23.1		0.24	0.24	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	ZINC	29.9		0.3	0.3	mg/Kg	K41
SS05CG	AS064	8/28/2001	SW8270	BENZOIC ACID	110	J	110	1000	ug/Kg	K41
SS05CG	AS064	8/28/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	38	J	38	400	ug/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	COPPER	14.3		0.41	0.41	mg/Kg	K41
SS05CG	AS064	8/28/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.9		1	2.04	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	IRON	14400		4.7	4.7	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	LEAD	9.4		0.32	0.32	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	CALCIUM	141		25.5	25.5	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	CHROMIUM, TOTAL	14.8		0.3	0.45	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	COBALT	3.8		0.32	0.32	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	MAGNESIUM	1640		27.8	27.8	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	BERYLLIUM	0.39		0.02	0.02	mg/Kg	K41
SS05CG	AS064	8/28/2001	CL200.7	BARIUM	14.5		0.8	0.8	mg/Kg	K41
SS05CG	AS065	8/28/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	12	ug/Kg	K41
SS05CG	AS065	8/28/2001	CVOL	ACETONE	57	J	3.81	12	ug/Kg	K41
SS05CG	AS065	8/28/2001	SW8270	DI-N-BUTYL PHTHALATE	83	J	70.8	390	ug/Kg	K41
SS05CG	AS065	8/28/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	34	J	34	390	ug/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	ZINC	21.3		0.28	0.28	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	SELENIUM	0.74	J	0.46	0.46	mg/Kg	K41
SS05CG	AS065	8/28/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.98		0.0043	0.012	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	LEAD	9		0.3	0.3	mg/Kg	K41

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CG	AS065	8/28/2001	CL200.7	VANADIUM	26.9		0.22	0.22	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	COPPER	7.5		0.38	0.38	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	ALUMINUM	14500		2.5	2.5	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	ANTIMONY	0.38	J	0.36	0.36	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	ARSENIC	5.4		0.5	0.5	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	BARIUM	17.7		0.74	0.74	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	BERYLLIUM	0.47		0.02	0.02	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	CADMIUM	0.17		0.06	0.06	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	CALCIUM	153		23.8	23.8	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	MANGANESE	86.3		0.24	0.24	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	COBALT	4.7		0.3	0.3	mg/Kg	K41
SS05CG	AS065	8/28/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	110		1	2.09	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	IRON	16300		4.3	4.3	mg/Kg	K41
SS05CG	AS065	8/28/2001	E350.2	NITROGEN, AMMONIA (AS N)	35.1	J	1.5	2.8	mg/Kg	K41
SS05CG	AS065	8/28/2001	LYDKHN	TOTAL ORGANIC CARBON	6990		0	0	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	MAGNESIUM	2090		25.9	25.9	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	MOLYBDENUM	0.28	J	0.26	0.26	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	NICKEL	9.2		0.28	0.28	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	POTASSIUM	950		33.1	33.1	mg/Kg	K41
SS05CG	AS065	8/28/2001	CL200.7	CHROMIUM, TOTAL	18.1		0.3	0.42	mg/Kg	K41
SS05CG	AS066	8/28/2001	E353.2	NITROGEN, NITRATE-NITRITE	1		0.0043	0.012	mg/Kg	K41
SS05CG	AS066	8/28/2001	E350.2	NITROGEN, AMMONIA (AS N)	13.8	J	1.5	2.6	mg/Kg	K41
SS05CG	AS066	8/28/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	125		1	2.15	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	VANADIUM	27.9		0.26	0.26	mg/Kg	K41
SS05CG	AS066	8/28/2001	LYDKHN	TOTAL ORGANIC CARBON	14400		0	0	mg/Kg	K41
SS05CG	AS066	8/28/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	12	ug/Kg	K41
SS05CG	AS066	8/28/2001	CVOL	ACETONE	45	J	3.81	12	ug/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	ZINC	20.2		0.33	0.33	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	POTASSIUM	950		39.1	39.1	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	NICKEL	9.1		0.33	0.33	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	MOLYBDENUM	0.41	J	0.31	0.31	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	MANGANESE	82.7		0.28	0.28	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	MAGNESIUM	1980		30.5	30.5	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	LEAD	10.1		0.35	0.35	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	ARSENIC	5.6		0.59	0.59	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	ALUMINUM	15000		2.9	2.9	mg/Kg	K41
SS05CG	AS066	8/28/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	30	J	30	400	ug/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	IRON	16400		5.1	5.1	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	ANTIMONY	0.55	J	0.43	0.43	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	BARIUM	18.4		0.87	0.87	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	BERYLLIUM	0.47		0.02	0.02	mg/Kg	K41

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CG	AS066	8/28/2001	CL200.7	CADMIUM	0.16		0.07	0.07	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	CALCIUM	162		28	28	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	CHROMIUM, TOTAL	18.9		0.3	0.5	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	COBALT	4.7		0.35	0.35	mg/Kg	K41
SS05CG	AS066	8/28/2001	CL200.7	COPPER	7.3		0.45	0.45	mg/Kg	K41
SS05CH	AS067	8/28/2001	CL200.7	MANGANESE	67.3		0.26	0.26	mg/Kg	K37
SS05CH	AS067	8/28/2001	SW8270	N-NITROSODIPHENYLAMINE	96	J	82.8	400	ug/Kg	K37
SS05CH	AS067	8/28/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	110	J	76	400	ug/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	NICKEL	42.8		0.31	0.31	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	POTASSIUM	650		36.1	36.1	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	VANADIUM	23.5		0.24	0.24	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	ZINC	23.3		0.31	0.31	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	MOLYBDENUM	0.61		0.28	0.28	mg/Kg	K37
SS05CH	AS067	8/28/2001	SW8270	2,4-DINITROTOLUENE	570		28.8	400	ug/Kg	K37
SS05CH	AS067	8/28/2001	SW8270	2,6-DINITROTOLUENE	45	J	45	400	ug/Kg	K37
SS05CH	AS067	8/28/2001	SW8270	BENZOIC ACID	170	J	170	1000	ug/Kg	K37
SS05CH	AS067	8/28/2001	SW8270	DI-N-BUTYL PHTHALATE	1000		70.8	400	ug/Kg	K37
SS05CH	AS067	8/28/2001	CVOL	ACETONE	58	J	3.81	11	ug/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	MAGNESIUM	1500		28.2	28.2	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	ALUMINUM	12900		2.7	2.7	mg/Kg	K37
SS05CH	AS067	8/28/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	400	ug/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	BERYLLIUM	0.33		0.02	0.02	mg/Kg	K37
SS05CH	AS067	8/28/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	129		1	2.14	mg/Kg	K37
SS05CH	AS067	8/28/2001	LYDKHN	TOTAL ORGANIC CARBON	7030		0	0	mg/Kg	K37
SS05CH	AS067	8/28/2001	E350.2	NITROGEN, AMMONIA (AS N)	16	J	1.5	2.9	mg/Kg	K37
SS05CH	AS067	8/28/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.031		0.0043	0.012	mg/Kg	K37
SS05CH	AS067	8/28/2001	CVOL	BROMOMETHANE	2	J	2	11	ug/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	ANTIMONY	0.64	J	0.39	0.39	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	ARSENIC	4		0.55	0.55	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	BARIUM	14.6		0.81	0.81	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	LEAD	21.7		0.33	0.33	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	CADMIUM	0.16		0.07	0.07	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	CALCIUM	167		25.9	25.9	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	CHROMIUM, TOTAL	16.5		0.3	0.46	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	COBALT	3.4		0.33	0.33	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	COPPER	16.1		0.41	0.41	mg/Kg	K37
SS05CH	AS067	8/28/2001	CL200.7	IRON	13500		4.7	4.7	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	BERYLLIUM	0.4		0.02	0.02	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	VANADIUM	25.9		0.23	0.23	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	CALCIUM	180		24.9	24.9	mg/Kg	K37
SS05CH	AS068	8/28/2001	CVOL	ACETONE	30	J	3.81	9	ug/Kg	K37

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CH	AS068	8/28/2001	SW8270	DI-N-BUTYL PHTHALATE	130	J	70.8	390	ug/Kg	K37
SS05CH	AS068	8/28/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	22	390	ug/Kg	K37
SS05CH	AS068	8/28/2001	SW8270	BENZOIC ACID	64	J	64	980	ug/Kg	K37
SS05CH	AS068	8/28/2001	SW8270	2,4-DINITROTOLUENE	25	J	25	390	ug/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	ZINC	28.2		0.29	0.29	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	POTASSIUM	717		34.7	34.7	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	NICKEL	23		0.29	0.29	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	MOLYBDENUM	0.52	J	0.27	0.27	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	MANGANESE	73.6		0.25	0.25	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	MAGNESIUM	1800		27.1	27.1	mg/Kg	K37
SS05CH	AS068	8/28/2001	E350.2	NITROGEN, AMMONIA (AS N)	16.2	J	1.5	2.9	mg/Kg	K37
SS05CH	AS068	8/28/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	24	J	24	390	ug/Kg	K37
SS05CH	AS068	8/28/2001	LYDKHN	TOTAL ORGANIC CARBON	5210		0	0	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	LEAD	16.5		0.31	0.31	mg/Kg	K37
SS05CH	AS068	8/28/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.029		0.0043	0.012	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	ALUMINUM	15200		2.6	2.6	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	ARSENIC	4.6		0.52	0.52	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	CADMIUM	0.22		0.06	0.06	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	CHROMIUM, TOTAL	17.4		0.3	0.44	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	COBALT	4.3		0.31	0.31	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	COPPER	9.5		0.4	0.4	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	IRON	16000		4.6	4.6	mg/Kg	K37
SS05CH	AS068	8/28/2001	CL200.7	BARIUM	17.5		0.78	0.78	mg/Kg	K37
SS05CH	AS068	8/28/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	124		1	2.14	mg/Kg	K37
SS05CH	AS069	8/28/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32	J	32	380	ug/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	LEAD	8.6		0.28	0.28	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	MAGNESIUM	2230		24.2	24.2	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	MANGANESE	80.7		0.22	0.22	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	NICKEL	11.5		0.26	0.26	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	POTASSIUM	900		30.9	30.9	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	SELENIUM	0.51	J	0.43	0.43	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	VANADIUM	27.6		0.21	0.21	mg/Kg	K37
SS05CH	AS069	8/28/2001	SW8270	BENZOIC ACID	75	J	75	960	ug/Kg	K37
SS05CH	AS069	8/28/2001	CVOL	ACETONE	26	J	3.81	9	ug/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	COBALT	4.8		0.28	0.28	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	COPPER	5.2		0.36	0.36	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	ZINC	19.8		0.26	0.26	mg/Kg	K37
SS05CH	AS069	8/28/2001	LYDKHN	TOTAL ORGANIC CARBON	2930		0	0	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	IRON	14900		4.1	4.1	mg/Kg	K37
SS05CH	AS069	8/28/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	105		1	2.2	mg/Kg	K37
SS05CH	AS069	8/28/2001	E350.2	NITROGEN, AMMONIA (AS N)	6.7	J	1.5	2.6	mg/Kg	K37

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CH	AS069	8/28/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.019		0.0043	0.012	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	ALUMINUM	16200		2.3	2.3	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	ANTIMONY	0.47	J	0.34	0.34	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	BARIUM	18.9		0.69	0.69	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	BERYLLIUM	0.44		0.02	0.02	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	CADMIUM	0.11		0.06	0.06	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	CALCIUM	369		22.2	22.2	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	CHROMIUM, TOTAL	19		0.3	0.39	mg/Kg	K37
SS05CH	AS069	8/28/2001	CL200.7	ARSENIC	4.5		0.47	0.47	mg/Kg	K37
SS05CI	AS072	8/29/2001	CL200.7	POTASSIUM	592		38.2	38.2	mg/Kg	L37
SS05CI	AS072	8/29/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	64.2	J	1	2.3	mg/Kg	L37
SS05CI	AS072	8/29/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	9	ug/Kg	L37
SS05CI	AS072	8/29/2001	CVOL	ACETONE	63		3.81	9	ug/Kg	L37
SS05CI	AS072	8/29/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	19	J	19	380	ug/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	ZINC	13.9	J	0.32	0.32	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	VANADIUM	20.3		0.25	0.25	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	NICKEL	7.6	J	0.32	0.32	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	MOLYBDENUM	0.77	J	0.3	0.3	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	MANGANESE	46.7	J	0.28	0.28	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	MAGNESIUM	1130		29.9	29.9	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	LEAD	8.7		0.35	0.35	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	ALUMINUM	13000		2.9	2.9	mg/Kg	L37
SS05CI	AS072	8/29/2001	LYDKHN	TOTAL ORGANIC CARBON	5650	J	0	0	mg/Kg	L37
SS05CI	AS072	8/29/2001	E350.2	NITROGEN, AMMONIA (AS N)	9.3	J	1.5	2.5	mg/Kg	L37
SS05CI	AS072	8/29/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.016		0.0043	0.012	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	IRON	12400	J	5	5	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	ARSENIC	4		0.58	0.58	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	BARIUM	13.2		0.86	0.86	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	BERYLLIUM	0.3		0.02	0.02	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	COPPER	6.9	J	0.44	0.44	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	CALCIUM	106		27.4	27.4	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	CHROMIUM, TOTAL	14	J	0.3	0.49	mg/Kg	L37
SS05CI	AS072	8/29/2001	CL200.7	COBALT	2.8		0.35	0.35	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	BERYLLIUM	0.27		0.02	0.02	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	SELENIUM	0.84		0.49	0.49	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	POTASSIUM	455		35.2	35.2	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	NICKEL	5.7	J	0.3	0.3	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	MOLYBDENUM	0.78	J	0.28	0.28	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	MAGNESIUM	880		27.5	27.5	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	IRON	10600	J	4.6	4.6	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	COPPER	5.8	J	0.4	0.4	mg/Kg	L37

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CJ	AS075	8/30/2001	CL200.7	COBALT	2.3		0.32	0.32	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	VANADIUM	16.7		0.23	0.23	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	CALCIUM	84.6		25.3	25.3	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	MANGANESE	45.3	J	0.26	0.26	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	BARIUM	10		0.79	0.79	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	ARSENIC	3.2		0.53	0.53	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	ALUMINUM	11100		2.6	2.6	mg/Kg	L37
SS05CJ	AS075	8/30/2001	E350.2	NITROGEN, AMMONIA (AS N)	9		1.5	2.6	mg/Kg	L37
SS05CJ	AS075	8/30/2001	LYDKHN	TOTAL ORGANIC CARBON	3990	J	0	0	mg/Kg	L37
SS05CJ	AS075	8/30/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	107	J	1	2.2	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	CHROMIUM, TOTAL	11.1	J	0.3	0.45	mg/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	ZINC	12.6	J	0.3	0.3	mg/Kg	L37
SS05CJ	AS075	8/30/2001	SW8270	BENZOIC ACID	110	J	110	920	ug/Kg	L37
SS05CJ	AS075	8/30/2001	SW8270	DI-N-BUTYL PHTHALATE	79	J	70.8	370	ug/Kg	L37
SS05CJ	AS075	8/30/2001	CVOL	ACETONE	140	J	3.81	10	ug/Kg	L37
SS05CJ	AS075	8/30/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	3.6	10	ug/Kg	L37
SS05CJ	AS075	8/30/2001	CL200.7	LEAD	8.5		0.32	0.32	mg/Kg	L37
SS05CK	05CK-01	2/4/2004	E314.0	PERCHLORATE	4.8	J	1.7	5.3	ug/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	CALCIUM	493		25.5	25.5	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	POTASSIUM	445		35.5	35.5	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	NICKEL	7.3	J	0.3	0.3	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	MANGANESE	50.1	J	0.26	0.26	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	MAGNESIUM	865		27.8	27.8	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	LEAD	95.6		0.32	0.32	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	IRON	10000	J	4.7	4.7	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	COPPER	24.8	J	0.41	0.41	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	CHROMIUM, TOTAL	10	J	0.3	0.45	mg/Kg	K37
SS05CK	AS076	8/30/2001	SW8270	PYRENE	31	J	31	360	ug/Kg	K37
SS05CK	AS076	8/30/2001	SW8270	CHRYSENE	29	J	29	360	ug/Kg	K37
SS05CK	AS076	8/30/2001	SW8270	BENZOIC ACID	170	J	170	910	ug/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	CADMIUM	0.12	J	0.06	0.06	mg/Kg	K37
SS05CK	AS076	8/30/2001	SW8270	BENZO(K)FLUORANTHENE	19	J	19	360	ug/Kg	K37
SS05CK	AS076	8/30/2001	SW8270	BENZO(B)FLUORANTHENE	19	J	19	360	ug/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	COBALT	2.2		0.32	0.32	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	ALUMINUM	7930		2.7	2.7	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	ZINC	21	J	0.3	0.3	mg/Kg	K37
SS05CK	AS076	8/30/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	42	J	42	360	ug/Kg	K37
SS05CK	AS076	8/30/2001	SW8270	2,4-DINITROTOLUENE	110	J	28.8	360	ug/Kg	K37
SS05CK	AS076	8/30/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101	J	1	2	mg/Kg	K37
SS05CK	AS076	8/30/2001	LYDKHN	TOTAL ORGANIC CARBON	3860	J	0	0	mg/Kg	K37
SS05CK	AS076	8/30/2001	SW8270	DI-N-BUTYL PHTHALATE	430		70.8	360	ug/Kg	K37

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CK	AS076	8/30/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.012		0.0043	0.011	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	VANADIUM	17		0.24	0.24	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	ANTIMONY	1.7	J	0.39	0.39	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	ARSENIC	2.6		0.54	0.54	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	BARIUM	10.6		0.79	0.79	mg/Kg	K37
SS05CK	AS076	8/30/2001	CL200.7	BERYLLIUM	0.25		0.02	0.02	mg/Kg	K37
SS05CK	AS076	8/30/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	3.6	9	ug/Kg	K37
SS05CK	AS076	8/30/2001	CVOL	ACETONE	160	J	3.81	9	ug/Kg	K37
SS05CK	AS076	8/30/2001	SW8270	FLUORANTHENE	25	J	25	360	ug/Kg	K37
SS05CK	AS076	8/30/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.5		1.5	2.5	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	COPPER	31.1	J	0.42	0.42	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	NICKEL	5.6	J	0.31	0.31	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	LEAD	94.1		0.33	0.33	mg/Kg	K37
SS05CK	AS077	8/30/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11	J	3.6	10	ug/Kg	K37
SS05CK	AS077	8/30/2001	CVOL	ACETONE	160	J	3.81	10	ug/Kg	K37
SS05CK	AS077	8/30/2001	SW8270	PYRENE	21	J	21	370	ug/Kg	K37
SS05CK	AS077	8/30/2001	SW8270	FLUORANTHENE	22	J	22	370	ug/Kg	K37
SS05CK	AS077	8/30/2001	SW8270	BENZOIC ACID	170	J	170	930	ug/Kg	K37
SS05CK	AS077	8/30/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	140	J	76	370	ug/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	ZINC	16.3	J	0.31	0.31	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	POTASSIUM	488		36.3	36.3	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	MOLYBDENUM	0.41	J	0.29	0.29	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	MANGANESE	48.2	J	0.26	0.26	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	MAGNESIUM	860		28.4	28.4	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	IRON	11100	J	4.8	4.8	mg/Kg	K37
SS05CK	AS077	8/30/2001	E353.2	NITROGEN, NITRATE-NITRITE	0.016		0.0043	0.011	mg/Kg	K37
SS05CK	AS077	8/30/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	120	J	1	2	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	VANADIUM	17		0.24	0.24	mg/Kg	K37
SS05CK	AS077	8/30/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.1		1.5	2.7	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	COBALT	2.3		0.33	0.33	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	ALUMINUM	10200		2.7	2.7	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	ANTIMONY	1.5	J	0.39	0.39	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	ARSENIC	3.3		0.55	0.55	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	CHROMIUM, TOTAL	11.2	J	0.3	0.46	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	BERYLLIUM	0.28		0.02	0.02	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	CADMIUM	0.12		0.07	0.07	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	CALCIUM	200		26	26	mg/Kg	K37
SS05CK	AS077	8/30/2001	CL200.7	BARIUM	11.2		0.81	0.81	mg/Kg	K37
SS05CK	AS077	8/30/2001	LYDKHN	TOTAL ORGANIC CARBON	5200	J	0	0	mg/Kg	K37
SS05CK	AS078	8/30/2001	LYDKHN	TOTAL ORGANIC CARBON	5010	J	0	0	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	CALCIUM	193		26.3	26.3	mg/Kg	K37

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CK	AS078	8/30/2001	CL200.7	BERYLLIUM	0.31		0.02	0.02	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	BARIUM	15.7		0.82	0.82	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	ARSENIC	4		0.55	0.55	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	ANTIMONY	0.7	J	0.4	0.4	mg/Kg	K37
SS05CK	AS078	8/30/2001	E350.2	NITROGEN, AMMONIA (AS N)	9		1.5	2.6	mg/Kg	K37
SS05CK	AS078	8/30/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	107	J	1	2.1	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	COPPER	5.7	J	0.42	0.42	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	COBALT	2.9		0.33	0.33	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	ALUMINUM	11800		2.7	2.7	mg/Kg	K37
SS05CK	AS078	8/30/2001	CVOL	ACETONE	140	J	3.81	10	ug/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	CHROMIUM, TOTAL	12.8	J	0.3	0.47	mg/Kg	K37
SS05CK	AS078	8/30/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	3.6	10	ug/Kg	K37
SS05CK	AS078	8/30/2001	SW8270	DI-N-BUTYL PHTHALATE	31	J	31	370	ug/Kg	K37
SS05CK	AS078	8/30/2001	SW8270	BENZOIC ACID	160	J	160	920	ug/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	ZINC	15.7	J	0.31	0.31	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	VANADIUM	18.6		0.24	0.24	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	NICKEL	5.6	J	0.31	0.31	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	MOLYBDENUM	0.77	J	0.29	0.29	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	MANGANESE	55.6	J	0.27	0.27	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	MAGNESIUM	1060		28.7	28.7	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	LEAD	25.9		0.33	0.33	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	POTASSIUM	547		36.7	36.7	mg/Kg	K37
SS05CK	AS078	8/30/2001	CL200.7	IRON	12400	J	4.8	4.8	mg/Kg	K37
SS05CL	AS079	8/30/2001	E350.2	NITROGEN, AMMONIA (AS N)	7.7		1.5	2.6	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	CHROMIUM, TOTAL	11.6	J	0.3	0.46	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	CALCIUM	110		25.9	25.9	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	CADMIUM	0.1	J	0.07	0.07	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	BERYLLIUM	0.3		0.02	0.02	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	BARIUM	13.8		0.81	0.81	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	ARSENIC	2.6		0.55	0.55	mg/Kg	L35
SS05CL	AS079	8/30/2001	LYDKHN	TOTAL ORGANIC CARBON	4400	J	0	0	mg/Kg	L35
SS05CL	AS079	8/30/2001	E353.2	NITROGEN, NITRATE-NITRITE	3.8		0.0043	0.011	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	COBALT	3.6		0.33	0.33	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	POTASSIUM	542		36.2	36.2	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	ALUMINUM	6810		2.7	2.7	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	COPPER	17	J	0.42	0.42	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	IRON	9830	J	4.7	4.7	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	LEAD	8.7		0.33	0.33	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	MAGNESIUM	1110		28.3	28.3	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	MANGANESE	90.7	J	0.26	0.26	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	NICKEL	55.4	J	0.31	0.31	mg/Kg	L35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CL	AS079	8/30/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	67.1	J	1	1.6	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	SELENIUM	1.2		0.5	0.5	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	VANADIUM	14.6		0.24	0.24	mg/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	ZINC	13.6	J	0.31	0.31	mg/Kg	L35
SS05CL	AS079	8/30/2001	SW8270	BENZOIC ACID	200	J	200	910	ug/Kg	L35
SS05CL	AS079	8/30/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	3.6	8	ug/Kg	L35
SS05CL	AS079	8/30/2001	CL200.7	MOLYBDENUM	1.1	J	0.28	0.28	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	ARSENIC	3		0.6	0.6	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	NICKEL	22.9	J	0.3	0.3	mg/Kg	L35
SS05CL	AS080	8/30/2001	E353.2	NITROGEN, NITRATE-NITRITE	2.1		0.0043	0.011	mg/Kg	L35
SS05CL	AS080	8/30/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	9	ug/Kg	L35
SS05CL	AS080	8/30/2001	CVOL	ACETONE	75	J	3.81	9	ug/Kg	L35
SS05CL	AS080	8/30/2001	SW8270	BENZOIC ACID	110	J	110	900	ug/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	ZINC	11.3	J	0.3	0.3	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	POTASSIUM	436		35.6	35.6	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	MOLYBDENUM	0.42	J	0.28	0.28	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	MANGANESE	62.3	J	0.26	0.26	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	MAGNESIUM	835		27.8	27.8	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	LEAD	7.4		0.32	0.32	mg/Kg	L35
SS05CL	AS080	8/30/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.4		1.5	2.6	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	VANADIUM	11.4		0.24	0.24	mg/Kg	L35
SS05CL	AS080	8/30/2001	LYDKHN	TOTAL ORGANIC CARBON	3840	J	0	0	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	IRON	7070	J	4.7	4.7	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	ALUMINUM	5250		2.7	2.7	mg/Kg	L35
SS05CL	AS080	8/30/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	85	J	1	2.1	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	BARIUM	10		0.8	0.8	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	BERYLLIUM	0.29		0.02	0.02	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	CALCIUM	78		25.5	25.5	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	CHROMIUM, TOTAL	7.7	J	0.3	0.45	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	COBALT	2.7		0.32	0.32	mg/Kg	L35
SS05CL	AS080	8/30/2001	CL200.7	COPPER	13.6	J	0.41	0.41	mg/Kg	L35
SS05CL	AS081	8/30/2001	CVOL	BROMOMETHANE	3	J	3	9	ug/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	LEAD	13.9		0.26	0.26	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	MAGNESIUM	962		22.7	22.7	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	MANGANESE	62.7	J	0.21	0.21	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	NICKEL	15.7	J	0.25	0.25	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	POTASSIUM	518		29	29	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	VANADIUM	14		0.19	0.19	mg/Kg	L35
SS05CL	AS081	8/30/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	9	ug/Kg	L35
SS05CL	AS081	8/30/2001	CVOL	ACETONE	100	J	3.81	9	ug/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	IRON	8280	J	3.8	3.8	mg/Kg	L35

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05CL	AS081	8/30/2001	CL200.7	ZINC	10.8	J	0.25	0.25	mg/Kg	L35
SS05CL	AS081	8/30/2001	SW8270	BENZOIC ACID	220	J	220	920	ug/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	ALUMINUM	7330		2.2	2.2	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	COPPER	4.8	J	0.33	0.33	mg/Kg	L35
SS05CL	AS081	8/30/2001	SW8270	PHENOL	660		73.9	370	ug/Kg	L35
SS05CL	AS081	8/30/2001	E350.2	NITROGEN, AMMONIA (AS N)	14.9		1.5	2.5	mg/Kg	L35
SS05CL	AS081	8/30/2001	E353.2	NITROGEN, NITRATE-NITRITE	2		0.0043	0.011	mg/Kg	L35
SS05CL	AS081	8/30/2001	LYDKHN	TOTAL ORGANIC CARBON	5880	J	0	0	mg/Kg	L35
SS05CL	AS081	8/30/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	86.3	J	1	2.1	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	ARSENIC	2.4		0.44	0.44	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	BARIUM	23		0.65	0.65	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	BERYLLIUM	0.29		0.02	0.02	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	CALCIUM	103		20.8	20.8	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	CHROMIUM, TOTAL	9.3	J	0.3	0.37	mg/Kg	L35
SS05CL	AS081	8/30/2001	CL200.7	COBALT	2.7		0.26	0.26	mg/Kg	L35
SS05DA	AS813	9/20/2001	CVOL	ACETONE	30	J	3.81	8	ug/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	MAGNESIUM	814		38.4	38.4	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	MANGANESE	43		0.12	0.12	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	MOLYBDENUM	0.68		0.18	0.18	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	NICKEL	15		0.41	0.41	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	POTASSIUM	464		46	46	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	VANADIUM	16.3		0.41	0.41	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	ZINC	14.9		0.18	0.18	mg/Kg	L37
SS05DA	AS813	9/20/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	35	J	35	350	ug/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	LEAD	17.3		0.12	0.12	mg/Kg	L37
SS05DA	AS813	9/20/2001	SW8270	DI-N-BUTYL PHTHALATE	120	J	71.5	350	ug/Kg	L37
SS05DA	AS813	9/20/2001	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	76	J	76	350	ug/Kg	L37
SS05DA	AS813	9/20/2001	E350.2	NITROGEN, AMMONIA (AS N)	8.3	J	1.5	2.6	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	IRON	10400		3.1	3.1	mg/Kg	L37
SS05DA	AS813	9/20/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg	L37
SS05DA	AS813	9/20/2001	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	129		1	2.2	mg/Kg	L37
SS05DA	AS813	9/20/2001	LYDKHN	TOTAL ORGANIC CARBON	6320		0	0	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	ALUMINUM	9850		1.5	1.5	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	ANTIMONY	0.61	J	0.43	0.43	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	BARIUM	14.1		0.79	0.79	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	BERYLLIUM	0.2		0.04	0.04	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	CADMIUM	0.2		0.04	0.04	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	CALCIUM	122	J	62.9	62.9	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	CHROMIUM, TOTAL	12.4		0.14	0.14	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	COBALT	2.5		0.28	0.28	mg/Kg	L37
SS05DA	AS813	9/20/2001	CL200.7	COPPER	10.8		0.2	0.2	mg/Kg	L37

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EA	AK006	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	7610	J	0	0	mg/Kg	K35
SS05EA	AK006	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.5	J	0.02	0.02	mg/Kg	K35
SS05EA	AK006	9/29/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	ANTIMONY	1	J	0.5	0.786	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	BARIUM	11.7		0.7	0.7	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	BERYLLIUM	0.22		0.0171	0.0171	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	BORON	3.4		0.63	0.922	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	CALCIUM	131		29	29.2	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	CHROMIUM, TOTAL	9.5	J	0.14	0.188	mg/Kg	K35
SS05EA	AK006	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	79.5		0.01	0.01	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	COPPER	21.9		0.307	0.307	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	ALUMINUM	8510		2.12	2.12	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	IRON	10100		3.62	3.62	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	LEAD	57.5		0.307	0.307	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	MAGNESIUM	1370		28.1	35.5	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	MANGANESE	88.1		0.0683	0.0683	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	MOLYBDENUM	0.74	J	0.49	0.53	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	NICKEL	6.4		0.3	0.359	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	POTASSIUM	548		31	31	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	VANADIUM	19.3		0.342	0.342	mg/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	ZINC	16.8		0.29	0.598	mg/Kg	K35
SS05EA	AK006	9/29/2000	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	25	J	25	380	ug/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	COBALT	3.3		0.26	0.273	mg/Kg	K35
SS05EA	AK006	9/29/2000	CVOL	TOLUENE	2	J	0.32	7	ug/Kg	K35
SS05EA	AK006	9/29/2000	CVOL	ACETONE	330	J	4.34	7	ug/Kg	K35
SS05EA	AK006	9/29/2000	SW8270	PYRENE	20	J	20	380	ug/Kg	K35
SS05EA	AK006	9/29/2000	SW8270	FLUORANTHENE	28	J	28	380	ug/Kg	K35
SS05EA	AK006	9/29/2000	CL200.7	ARSENIC	3.2		0.75	0.888	mg/Kg	K35
SS05EA	AK008	9/29/2000	CVOL	ACETONE	260	J	4.34	7	ug/Kg	K35
SS05EA	AK008	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	61.4		0.01	0.01	mg/Kg	K35
SS05EA	AK008	9/29/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	7	ug/Kg	K35
SS05EA	AK008	9/29/2000	CVOL	TOLUENE	1	J	0.32	7	ug/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	ALUMINUM	3790		2.5	2.55	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	BARIUM	4.9		0.844	0.844	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	ARSENIC	0.99	J	0.75	0.865	mg/Kg	K35
SS05EA	AK008	9/29/2000	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	30	J	30	360	ug/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	ZINC	10.2		0.29	0.721	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	VANADIUM	8.7		0.36	0.412	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	BERYLLIUM	0.11		0.0206	0.0206	mg/Kg	K35
SS05EA	AK008	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.7	J	0.02	0.02	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	POTASSIUM	357		37.4	37.4	mg/Kg	K35

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EA	AK008	9/29/2000	CL200.7	COBALT	1.7		0.26	0.329	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	CHROMIUM, TOTAL	3	J	0.14	0.226	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	BORON	1.8	J	0.63	1.11	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	COPPER	5.7	J	0.34	0.371	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	MAGNESIUM	835		28.1	42.8	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	NICKEL	1.4	J	0.3	0.432	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	CALCIUM	187		29	35.1	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	MANGANESE	65.3		0.08	0.0823	mg/Kg	K35
SS05EA	AK008	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	5040	J	0	0	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	LEAD	18		0.32	0.371	mg/Kg	K35
SS05EA	AK008	9/29/2000	CL200.7	IRON	5510		4.21	4.36	mg/Kg	K35
SS05EA	AK010	9/29/2000	SW8270	BENZO(B)FLUORANTHENE	40	J	40	450	ug/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	ANTIMONY	2.1	J	0.5	1.17	mg/Kg	K35
SS05EA	AK010	9/29/2000	CVOL	TOLUENE	7	J	0.32	9	ug/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	ARSENIC	8		0.75	1.07	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	BERYLLIUM	0.51		0.0255	0.0255	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	BORON	9.2		0.63	1.38	mg/Kg	K35
SS05EA	AK010	9/29/2000	SW8270	BENZO(A)ANTHRACENE	26	J	26	450	ug/Kg	K35
SS05EA	AK010	9/29/2000	SW8270	BENZO(A)PYRENE	30	J	30	450	ug/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	BARIUM	28.1		1.05	1.05	mg/Kg	K35
SS05EA	AK010	9/29/2000	SW8270	BENZO(K)FLUORANTHENE	34	J	34	450	ug/Kg	K35
SS05EA	AK010	9/29/2000	SW8270	CHRYSENE	41	J	41	450	ug/Kg	K35
SS05EA	AK010	9/29/2000	SW8270	FLUORANTHENE	51	J	51	450	ug/Kg	K35
SS05EA	AK010	9/29/2000	SW8270	PYRENE	46	J	46	450	ug/Kg	K35
SS05EA	AK010	9/29/2000	CVOL	ACETONE	640	J	4.34	9	ug/Kg	K35
SS05EA	AK010	9/29/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	20	J	1.8	9	ug/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	IRON	26100		4.21	5.41	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	ALUMINUM	25700		2.5	3.17	mg/Kg	K35
SS05EA	AK010	9/29/2000	CVOL	BROMOMETHANE	2	J	0.49	9	ug/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	MAGNESIUM	3740		28.1	53.1	mg/Kg	K35
SS05EA	AK010	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	11	J	0.02	0.02	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	ZINC	38.9		0.29	0.894	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	CALCIUM	217		29	43.6	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	CHROMIUM, TOTAL	28.6	J	0.14	0.281	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	COPPER	17.1		0.34	0.46	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	LEAD	75.7		0.32	0.46	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	MANGANESE	170		0.08	0.102	mg/Kg	K35
SS05EA	AK010	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	9940	J	0	0	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	VANADIUM	48.4		0.36	0.511	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	COBALT	8.3		0.26	0.409	mg/Kg	K35
SS05EA	AK010	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	81.5		0.01	0.01	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EA	AK010	9/29/2000	CL200.7	MOLYBDENUM	1.2	J	0.49	0.792	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	THALLIUM	2.2	J	0.64	1.15	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	POTASSIUM	1310		46.4	46.4	mg/Kg	K35
SS05EA	AK010	9/29/2000	CL200.7	NICKEL	15.8		0.3	0.536	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	COBALT	2.5		0.26	0.338	mg/Kg	K35
SS05EA	AK012	9/29/2000	CVOL	TOLUENE	1	J	0.32	6	ug/Kg	K35
SS05EA	AK012	9/29/2000	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	26	J	26	360	ug/Kg	K35
SS05EA	AK012	9/29/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	6	ug/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	ZINC	13.5		0.29	0.74	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	VANADIUM	14.8		0.36	0.423	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	POTASSIUM	413		38.4	38.4	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	NICKEL	4.4	J	0.3	0.444	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	MANGANESE	54.2		0.08	0.0845	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	MAGNESIUM	974		28.1	43.9	mg/Kg	K35
SS05EA	AK012	9/29/2000	SW8270	DI-N-BUTYL PHTHALATE	45	J	45	360	ug/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	COPPER	11.7		0.34	0.38	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	CALCIUM	90.6		29	36.1	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	BORON	3		0.63	1.14	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	BERYLLIUM	0.17		0.0211	0.0211	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	BARIUM	18.9		0.866	0.866	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	ARSENIC	2.6		0.75	0.887	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	ALUMINUM	6160		2.5	2.62	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	LEAD	13		0.32	0.38	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	IRON	7920		4.21	4.48	mg/Kg	K35
SS05EA	AK012	9/29/2000	CL200.7	CHROMIUM, TOTAL	6.8	J	0.14	0.232	mg/Kg	K35
SS05EA	AK012	9/29/2000	CVOL	ACETONE	220	J	4.34	6	ug/Kg	K35
SS05EA	AK012	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	59		0.01	0.01	mg/Kg	K35
SS05EA	AK012	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	6020	J	0	0	mg/Kg	K35
SS05EA	AK012	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.9	J	0.02	0.02	mg/Kg	K35
SS05EA	AK014	9/29/2000	SW8270	BENZO(B)FLUORANTHENE	28	J	28	360	ug/Kg	K35
SS05EA	AK014	9/29/2000	SW8270	BENZO(K)FLUORANTHENE	42	J	42	360	ug/Kg	K35
SS05EA	AK014	9/29/2000	SW8270	BENZO(A)PYRENE	32	J	32	360	ug/Kg	K35
SS05EA	AK014	9/29/2000	SW8270	FLUORANTHENE	76	J	76	360	ug/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	MAGNESIUM	951		28.1	44.7	mg/Kg	K35
SS05EA	AK014	9/29/2000	SW8270	CHRYSENE	42	J	42	360	ug/Kg	K35
SS05EA	AK014	9/29/2000	SW8270	BENZO(A)ANTHRACENE	28	J	28	360	ug/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	ZINC	12.1		0.29	0.752	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	VANADIUM	10.3		0.36	0.43	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	POTASSIUM	393		39	39	mg/Kg	K35
SS05EA	AK014	9/29/2000	SW8270	PYRENE	57	J	57	360	ug/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	MANGANESE	73.8		0.08	0.0859	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EA	AK014	9/29/2000	CL200.7	LEAD	37.6		0.32	0.387	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	IRON	6820		4.21	4.55	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	NICKEL	3.9	J	0.3	0.451	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	BARIUM	7.3		0.881	0.881	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	COPPER	5.9	J	0.34	0.387	mg/Kg	K35
SS05EA	AK014	9/29/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.4		0.01	0.01	mg/Kg	K35
SS05EA	AK014	9/29/2000	LYDKHN	TOTAL ORGANIC CARBON	3650	J	0	0	mg/Kg	K35
SS05EA	AK014	9/29/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	0.02	0.02	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	CHROMIUM, TOTAL	5.7	J	0.14	0.236	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	ANTIMONY	1.7	J	0.5	0.988	mg/Kg	K35
SS05EA	AK014	9/29/2000	CVOL	ACETONE	220	J	4.34	8	ug/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	BERYLLIUM	0.18		0.0215	0.0215	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	BORON	2.4		0.63	1.16	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	CALCIUM	90.3		29	36.7	mg/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	COBALT	2.7		0.26	0.344	mg/Kg	K35
SS05EA	AK014	9/29/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg	K35
SS05EA	AK014	9/29/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	1.8	8	ug/Kg	K35
SS05EA	AK014	9/29/2000	CL200.7	ALUMINUM	5130		2.5	2.66	mg/Kg	K35
SS05EA	AK778	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	MANGANESE	66.6		0.08	0.0804	mg/Kg	K35
SS05EA	AK778	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	3200	J	0	0	mg/Kg	K35
SS05EA	AK778	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	108	J	0.01	0.01	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	ZINC	14.6		0.29	0.704	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	VANADIUM	15.3		0.36	0.402	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	SELENIUM	1.1	J	0.61	0.744	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	NICKEL	4.9		0.3	0.422	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	MAGNESIUM	1110		28.1	41.8	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	LEAD	31.8		0.32	0.362	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	IRON	8260		4.21	5.11	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	ANTIMONY	1.1	J	0.5	0.925	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	POTASSIUM	498		38.6	38.6	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	ALUMINUM	7130		2.49	2.49	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	COPPER	6.9		0.34	0.362	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	ARSENIC	2.4		0.75	0.845	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	BARIUM	9.1		0.825	0.825	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	BERYLLIUM	0.23		0.0201	0.0201	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	CALCIUM	95.7		29	34.3	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	CHROMIUM, TOTAL	9.2		0.14	0.221	mg/Kg	K35
SS05EA	AK778	10/17/2000	CL200.7	COBALT	3.1		0.26	0.322	mg/Kg	K35
SS05EA	AK778	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.1		0.02	0.02	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	IRON	8820		4.21	4.45	mg/Kg	K35

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EA	AK779	10/17/2000	CL200.7	ARSENIC	2.7		0.735	0.735	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	ZINC	13.6		0.29	0.613	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	VANADIUM	15.3		0.35	0.35	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	SELENIUM	0.86	J	0.61	0.648	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	POTASSIUM	447		33.6	33.6	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	NICKEL	5.2		0.3	0.368	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	MANGANESE	71.4		0.07	0.07	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	MAGNESIUM	1070		28.1	36.4	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	LEAD	25.3		0.315	0.315	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	ANTIMONY	1.1	J	0.5	0.805	mg/Kg	K35
SS05EA	AK779	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.1	J	0.01	0.01	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	BERYLLIUM	0.22		0.0175	0.0175	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	COPPER	6.1		0.315	0.315	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	ALUMINUM	7490		2.17	2.17	mg/Kg	K35
SS05EA	AK779	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	2240	J	0	0	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	BARIUM	10.5		0.718	0.718	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	CALCIUM	81.7		29	29.9	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	CHROMIUM, TOTAL	9.2		0.14	0.193	mg/Kg	K35
SS05EA	AK779	10/17/2000	CL200.7	COBALT	3		0.26	0.28	mg/Kg	K35
SS05EA	AK779	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	MAGNESIUM	1650		28.1	42.7	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	LEAD	35.1		0.32	0.37	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	NICKEL	7.8		0.3	0.431	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	MANGANESE	91.9		0.08	0.0822	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	MOLYBDENUM	0.73	J	0.49	0.637	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	POTASSIUM	516		39.4	39.4	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	ZINC	21.4		0.29	0.719	mg/Kg	K35
SS05EA	AK780	10/17/2000	CVOL	TOLUENE	0.7	J	0.32	7	ug/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	VANADIUM	17.3		0.36	0.411	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	IRON	11200		4.21	5.22	mg/Kg	K35
SS05EA	AK780	10/17/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	7	ug/Kg	K35
SS05EA	AK780	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	133	J	0.01	0.01	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	COPPER	14.8		0.34	0.37	mg/Kg	K35
SS05EA	AK780	10/17/2000	CVOL	ACETONE	75	J	4.34	7	ug/Kg	K35
SS05EA	AK780	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	5340	J	0	0	mg/Kg	K35
SS05EA	AK780	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.4		0.02	0.02	mg/Kg	K35
SS05EA	AK780	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	ALUMINUM	9490		2.5	2.55	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	COBALT	3.9		0.26	0.329	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	ARSENIC	2.8		0.75	0.863	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	BARIUM	10.9		0.842	0.842	mg/Kg	K35

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NJ = Estimated Result
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EA	AK780	10/17/2000	CL200.7	BERYLLIUM	0.24		0.0205	0.0205	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	CALCIUM	106		29	35.1	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	CHROMIUM, TOTAL	12.2		0.14	0.226	mg/Kg	K35
SS05EA	AK780	10/17/2000	CL200.7	ANTIMONY	1.6	J	0.5	0.945	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	MAGNESIUM	908		28.1	36.5	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	MANGANESE	60.9		0.0701	0.0701	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	MOLYBDENUM	0.62	J	0.49	0.544	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	NICKEL	5.2		0.3	0.368	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	POTASSIUM	414		33.6	33.6	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	SELENIUM	0.69	J	0.61	0.649	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	SILVER	0.34	J	0.17	0.281	mg/Kg	K35
SS05EA	AK781	10/17/2000	CVOL	TOLUENE	0.9	J	0.32	8	ug/Kg	K35
SS05EA	AK781	10/17/2000	SW8270	CHRYSENE	16	J	16	360	ug/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	LEAD	19.3		0.316	0.316	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	ZINC	14.1		0.29	0.614	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	VANADIUM	13.7		0.351	0.351	mg/Kg	K35
SS05EA	AK781	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	IRON	7190		4.21	4.45	mg/Kg	K35
SS05EA	AK781	10/17/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	8	ug/Kg	K35
SS05EA	AK781	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	252	J	0.01	0.01	mg/Kg	K35
SS05EA	AK781	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.9		0.02	0.02	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	ALUMINUM	6580		2.17	2.17	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	ARSENIC	1.9		0.737	0.737	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	BARIUM	15.9		0.719	0.719	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	BERYLLIUM	0.18		0.0175	0.0175	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	CALCIUM	87.9		29	29.9	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	CHROMIUM, TOTAL	8.9		0.14	0.193	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	COBALT	2.8		0.26	0.281	mg/Kg	K35
SS05EA	AK781	10/17/2000	CL200.7	COPPER	11.4		0.316	0.316	mg/Kg	K35
SS05EA	AK781	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	1610	J	0	0	mg/Kg	K35
SS05EA	AK796	10/17/2000	LAL40	URANIUM-238	0.69	J	0.0001	0.07	PCI/G	K35
SS05EA	AK796	10/17/2000	LAL40	URANIUM-234	0.6	J	0.0001	0.07	PCI/G	K35
SS05EA	AK797	10/17/2000	LAL40	URANIUM-238	0.44	J	0.0001	0.07	PCI/G	K35
SS05EA	AK797	10/17/2000	LAL40	URANIUM-234	0.66	J	0.0001	0.09	PCI/G	K35
SS05EA	AK798	10/17/2000	LAL40	URANIUM-238	0.63	J	0.0001	0.11	PCI/G	K35
SS05EA	AK798	10/17/2000	LAL40	URANIUM-234	0.69	J	0.0001	0.09	PCI/G	K35
SS05EA	AK799	10/17/2000	LAL40	URANIUM-238	0.4	J	0.0001	0.07	PCI/G	K35
SS05EA	AK799	10/17/2000	LAL40	URANIUM-234	0.31	J	0.0001	0.06	PCI/G	K35
SS05EAA	BC606	4/30/2002	CL200.7	LEAD	8.3		0.18	0.18	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	COPPER	7.7		0.31	0.31	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	VANADIUM	12.9		0.44	0.44	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EAA	BC606	4/30/2002	CL200.7	ZINC	12.4	J	0.2	0.2	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	NICKEL	4.8		0.62	0.62	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	MAGNESIUM	1050		29.3	29.3	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	IRON	9200		7.1	7.1	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	SILVER	0.6	J	0.3	0.42	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	POTASSIUM	515		27.6	27.6	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	MANGANESE	57.8		0.18	0.18	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	COBALT	2.9		0.64	0.64	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	ALUMINUM	8110		4.1	4.1	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	ARSENIC	3.5		0.49	0.49	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	BARIUM	11.8		1.4	1.4	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	BERYLLIUM	0.26		0.02	0.02	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	CADMIUM	0.51		0.1	0.11	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	CALCIUM	89.4		28.5	28.5	mg/Kg	K35
SS05EAA	BC606	4/30/2002	CL200.7	CHROMIUM, TOTAL	9.7		0.27	0.27	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	ZINC	12.9	J	0.2	0.2	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	MAGNESIUM	1130		29.8	29.8	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	CALCIUM	79.8		28.9	28.9	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	ARSENIC	3.4		0.5	0.5	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	BARIUM	12		1.4	1.4	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	BERYLLIUM	0.27		0.02	0.02	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	CADMIUM	0.17	J	0.1	0.11	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	ALUMINUM	9470		4.1	4.1	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	CHROMIUM, TOTAL	11.2		0.27	0.27	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	COBALT	3.2		0.65	0.65	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	COPPER	7.6		0.32	0.32	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	LEAD	8.6		0.18	0.18	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	MANGANESE	55.5		0.18	0.18	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	MOLYBDENUM	0.47	J	0.36	0.36	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	NICKEL	5.3		0.63	0.63	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	POTASSIUM	532		28	28	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	VANADIUM	14.3		0.45	0.45	mg/Kg	K35
SS05EAA	BC607	4/30/2002	CL200.7	IRON	10200		7.2	7.2	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	ZINC	17.8	J	0.22	0.22	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	NICKEL	7.9		0.67	0.67	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	ALUMINUM	16600		4.4	4.4	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	ARSENIC	4		0.53	0.53	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	POTASSIUM	775		29.8	29.8	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	MOLYBDENUM	0.46	J	0.38	0.38	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	MANGANESE	69.6		0.19	0.19	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	MAGNESIUM	1760		31.7	31.7	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EAA	BC608	4/30/2002	CL200.7	BERYLLIUM	0.37		0.02	0.02	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	IRON	15200		7.6	7.6	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	COBALT	3.9		0.7	0.7	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	CHROMIUM, TOTAL	19		0.29	0.29	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	CALCIUM	115		30.7	30.7	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	LEAD	9.7		0.19	0.19	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	VANADIUM	23.6		0.48	0.48	mg/Kg	K35
SS05EAA	BC608	4/30/2002	CL200.7	BARIUM	18.7		1.5	1.5	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	SELENIUM	0.94	J	0.61	0.705	mg/Kg	K35
SS05EB	AK782	10/17/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	16	J	16	350	ug/Kg	K35
SS05EB	AK782	10/17/2000	SW8270	BENZO(G,H,I)PERYLENE	42	J	42	350	ug/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	COBALT	2.3		0.26	0.305	mg/Kg	K35
SS05EB	AK782	10/17/2000	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	50	J	50	350	ug/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	ZINC	13		0.29	0.667	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	VANADIUM	9.6		0.36	0.381	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	CALCIUM	91		29	32.5	mg/Kg	K35
SS05EB	AK782	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	82.9		0.01	0.01	mg/Kg	K35
SS05EB	AK782	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	1400	J	0	0	mg/Kg	K35
SS05EB	AK782	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.6	J	0.02	0.02	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	ALUMINUM	4740		2.36	2.36	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	ARSENIC	1.7		0.75	0.8	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	BARIUM	8.5		0.781	0.781	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	IRON	6150		4.04	4.04	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	BERYLLIUM	0.18		0.0191	0.0191	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	POTASSIUM	393		36.6	36.6	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	CHROMIUM, TOTAL	5.8		0.14	0.21	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	COPPER	5.8	J	0.34	0.343	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	LEAD	22.7		0.32	0.343	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	MAGNESIUM	913		28.1	39.6	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	MANGANESE	76.8		0.0762	0.0762	mg/Kg	K35
SS05EB	AK782	10/17/2000	CL200.7	NICKEL	3.7		0.3	0.4	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	MAGNESIUM	835		28.1	40.9	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	NICKEL	4.9		0.3	0.413	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	IRON	6600		4.17	4.17	mg/Kg	K35
SS05EB	AK783	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	74.3		0.01	0.01	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	ZINC	25.1		0.29	0.689	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	POTASSIUM	395		37.7	37.7	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	MOLYBDENUM	0.7	J	0.49	0.61	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	MANGANESE	147		0.0787	0.0787	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	LEAD	13.6		0.32	0.354	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	COPPER	10.4	J	0.34	0.354	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EB	AK783	10/17/2000	CL200.7	COBALT	2.7		0.26	0.315	mg/Kg	K35
SS05EB	AK783	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	VANADIUM	9.9		0.36	0.394	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	CHROMIUM, TOTAL	5.7		0.14	0.217	mg/Kg	K35
SS05EB	AK783	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.5	J	0.02	0.02	mg/Kg	K35
SS05EB	AK783	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	1110	J	0	0	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	ALUMINUM	4070		2.44	2.44	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	ARSENIC	1.9		0.75	0.827	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	BARIUM	9.9		0.807	0.807	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	BERYLLIUM	0.21		0.0197	0.0197	mg/Kg	K35
SS05EB	AK783	10/17/2000	CL200.7	CALCIUM	73.7		29	33.6	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	MOLYBDENUM	0.73	J	0.49	0.518	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	ZINC	19.3		0.29	0.584	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	POTASSIUM	369		32	32	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	SELENIUM	0.79	J	0.61	0.618	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	VANADIUM	10.5		0.334	0.334	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	NICKEL	5.2		0.3	0.351	mg/Kg	K35
SS05EB	AK784	10/17/2000	SW8270	BENZO(A)PYRENE	16	J	16	350	ug/Kg	K35
SS05EB	AK784	10/17/2000	SW8270	BENZO(B)FLUORANTHENE	21	J	21	350	ug/Kg	K35
SS05EB	AK784	10/17/2000	SW8270	BENZO(K)FLUORANTHENE	17	J	17	350	ug/Kg	K35
SS05EB	AK784	10/17/2000	SW8270	DI-N-BUTYL PHTHALATE	18	J	18	350	ug/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	MANGANESE	208		0.0668	0.0668	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	CALCIUM	88.4		28.5	28.5	mg/Kg	K35
SS05EB	AK784	10/17/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19	J	19	350	ug/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	ALUMINUM	5270		2.07	2.07	mg/Kg	K35
SS05EB	AK784	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.7		0.01	0.01	mg/Kg	K35
SS05EB	AK784	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	1090	J	0	0	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	COBALT	5.7		0.26	0.267	mg/Kg	K35
SS05EB	AK784	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	MAGNESIUM	866		28.1	34.7	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	ARSENIC	2.5		0.701	0.701	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	BARIUM	10.3		0.684	0.684	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	BERYLLIUM	0.23		0.0167	0.0167	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	CHROMIUM, TOTAL	6.1		0.14	0.184	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	COPPER	5.9	J	0.301	0.301	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	IRON	6820		3.54	3.54	mg/Kg	K35
SS05EB	AK784	10/17/2000	CL200.7	LEAD	60		0.301	0.301	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	NICKEL	4.2		0.3	0.384	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	LEAD	41.9		0.32	0.329	mg/Kg	K35
SS05EB	AK785	10/17/2000	SW8270	DI-N-BUTYL PHTHALATE	18	J	18	350	ug/Kg	K35
SS05EB	AK785	10/17/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	350	ug/Kg	K35

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EB	AK785	10/17/2000	CL200.7	ZINC	19.9		0.29	0.641	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	POTASSIUM	428		35.1	35.1	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	MANGANESE	65.8		0.0732	0.0732	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	MAGNESIUM	983		28.1	38	mg/Kg	K35
SS05EB	AK785	10/17/2000	CVOL	ACETONE	29	J	4.34	8	ug/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	ALUMINUM	5960		2.27	2.27	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	IRON	7420		3.88	3.88	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	VANADIUM	11.9		0.36	0.366	mg/Kg	K35
SS05EB	AK785	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	2110	J	0	0	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	ARSENIC	2.7		0.75	0.769	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	BARIUM	8		0.75	0.75	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	BERYLLIUM	0.19		0.0183	0.0183	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	CALCIUM	85		29	31.2	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	CHROMIUM, TOTAL	6.8		0.14	0.201	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	COBALT	2.7		0.26	0.293	mg/Kg	K35
SS05EB	AK785	10/17/2000	CL200.7	COPPER	7.8	J	0.329	0.329	mg/Kg	K35
SS05EB	AK785	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93.8		0.01	0.01	mg/Kg	K35
SS05EB	AK786	10/17/2000	CVOL	ACETONE	28	J	4.34	8	ug/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	MOLYBDENUM	0.7	J	0.49	0.671	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	IRON	10700		4.21	4.59	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	LEAD	238		0.32	0.39	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	MAGNESIUM	1370		28.1	45	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	MANGANESE	79.3		0.08	0.0866	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	NICKEL	6.2		0.3	0.455	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	THALLIUM	1.3	J	0.64	0.975	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	COPPER	9.3	J	0.34	0.39	mg/Kg	K35
SS05EB	AK786	10/17/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	30	J	30	380	ug/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	POTASSIUM	551		41.5	41.5	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	ZINC	20.1		0.29	0.758	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	ALUMINUM	9970		2.5	2.69	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	VANADIUM	18.8		0.36	0.433	mg/Kg	K35
SS05EB	AK786	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	2170	J	0	0	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	COBALT	3.4		0.26	0.347	mg/Kg	K35
SS05EB	AK786	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg	K35
SS05EB	AK786	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	108		0.01	0.01	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	ANTIMONY	2.2		0.5	0.996	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	ARSENIC	3.7		0.75	0.91	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	BARIUM	11.2		0.888	0.888	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	BERYLLIUM	0.25		0.0217	0.0217	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	BORON	8.9		0.63	1.17	mg/Kg	K35
SS05EB	AK786	10/17/2000	CL200.7	CALCIUM	91.2		29	37	mg/Kg	K35

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EB	AK786	10/17/2000	CL200.7	CHROMIUM, TOTAL	11		0.14	0.238	mg/Kg	K35
SS05EB	AK786	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	0.02	0.02	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	LEAD	280		0.32	0.376	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	MAGNESIUM	1680		28.1	43.4	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	MANGANESE	90.9		0.08	0.0835	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	NICKEL	7.6		0.3	0.438	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	POTASSIUM	576		40	40	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	VANADIUM	18.7		0.36	0.418	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	ZINC	22.1		0.29	0.731	mg/Kg	K35
SS05EB	AK787	10/17/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	55	J	55	370	ug/Kg	K35
SS05EB	AK787	10/17/2000	SW8270	DI-N-BUTYL PHTHALATE	120	J	88.6	370	ug/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	IRON	11900		4.21	4.43	mg/Kg	K35
SS05EB	AK787	10/17/2000	CVOL	TOLUENE	0.9	J	0.32	10	ug/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	ARSENIC	3.3		0.75	0.877	mg/Kg	K35
SS05EB	AK787	10/17/2000	CVOL	ACETONE	36	J	4.34	10	ug/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	COPPER	15.8	J	0.34	0.376	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	COBALT	3.8		0.26	0.334	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	CHROMIUM, TOTAL	13		0.14	0.23	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	CALCIUM	104		29	35.6	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	BORON	9.6		0.63	1.13	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	BARIUM	11.2		0.856	0.856	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	ANTIMONY	8.3		0.5	0.96	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	ALUMINUM	10200		2.5	2.59	mg/Kg	K35
SS05EB	AK787	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.12		0.01	0.01	mg/Kg	K35
SS05EB	AK787	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	3	J	0.02	0.02	mg/Kg	K35
SS05EB	AK787	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	2570	J	0	0	mg/Kg	K35
SS05EB	AK787	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.6		0.01	0.01	mg/Kg	K35
SS05EB	AK787	10/17/2000	CL200.7	BERYLLIUM	0.26		0.0209	0.0209	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	CHROMIUM, TOTAL	8.6		0.14	0.214	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	POTASSIUM	401		37.3	37.3	mg/Kg	K35
SS05EB	AK788	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93.9		0.01	0.01	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	BORON	7.5		0.63	1.05	mg/Kg	K35
SS05EB	AK788	10/17/2000	CVOL	ACETONE	22	J	4.34	10	ug/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	VANADIUM	13.6		0.36	0.389	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	NICKEL	4.7		0.3	0.408	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	MANGANESE	62.6		0.0778	0.0778	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	MAGNESIUM	1020		28.1	40.4	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	LEAD	177		0.32	0.35	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	IRON	8350		4.12	4.12	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	COPPER	7.7	J	0.34	0.35	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	CALCIUM	74.1		29	33.2	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EB	AK788	10/17/2000	CL200.7	BERYLLIUM	0.2		0.0195	0.0195	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	BARIUM	9.4		0.797	0.797	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	ARSENIC	2.9		0.75	0.817	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	ANTIMONY	1.5	J	0.5	0.895	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	ALUMINUM	7120		2.41	2.41	mg/Kg	K35
SS05EB	AK788	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	2210	J	0	0	mg/Kg	K35
SS05EB	AK788	10/17/2000	SW8151A	DALAPON	140	J	94	130	ug/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	ZINC	15.8		0.29	0.681	mg/Kg	K35
SS05EB	AK788	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.01	0.01	mg/Kg	K35
SS05EB	AK788	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.6	J	0.02	0.02	mg/Kg	K35
SS05EB	AK788	10/17/2000	CL200.7	COBALT	2.6		0.26	0.311	mg/Kg	K35
SS05EB	AK800	10/17/2000	LAL40	URANIUM-238	0.4	J	0.0001	0.1	PCI/G	K35
SS05EB	AK800	10/17/2000	LAL40	URANIUM-234	0.42	J	0.0001	0.09	PCI/G	K35
SS05EB	AK801	10/17/2000	LAL40	URANIUM-234	0.31	J	0.0001	0.1	PCI/G	K35
SS05EB	AK801	10/17/2000	LAL40	URANIUM-238	0.48	J	0.0001	0.06	PCI/G	K35
SS05EB	AK802	10/17/2000	LAL40	URANIUM-234	0.51	J	0.0001	0.09	PCI/G	K35
SS05EB	AK802	10/17/2000	LAL40	URANIUM-238	0.46	J	0.0001	0.07	PCI/G	K35
SS05EB	AK803	10/17/2000	LAL40	URANIUM-234	0.52	J	0.0001	0.08	PCI/G	K35
SS05EB	AK803	10/17/2000	LAL40	URANIUM-238	0.48	J	0.0001	0.08	PCI/G	K35
SS05EB	AK804	10/17/2000	LAL40	URANIUM-234	0.87	J	0.0001	0.1	PCI/G	K35
SS05EB	AK804	10/17/2000	LAL40	URANIUM-238	0.64	J	0.0001	0.08	PCI/G	K35
SS05EB	AK805	10/17/2000	LAL40	URANIUM-234	0.45	J	0.0001	0.08	PCI/G	K35
SS05EB	AK805	10/17/2000	LAL40	URANIUM-238	0.49	J	0.0001	0.07	PCI/G	K35
SS05EB	AK806	10/17/2000	LAL40	URANIUM-234	0.45	J	0.0001	0.04	PCI/G	K35
SS05EB	AK806	10/17/2000	LAL40	URANIUM-238	0.64	J	0.0001	0.09	PCI/G	K35
SS05EBA	BC568	4/29/2002	CL200.7	COBALT	2.6		0.5	0.5	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	CHROMIUM, TOTAL	13.7		0.28	0.28	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	CALCIUM	108		30.3	30.3	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	ALUMINUM	10500		4.3	4.3	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	BERYLLIUM	0.32		0.02	0.02	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	ARSENIC	4.4		0.52	0.52	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	COPPER	6.6	J	0.33	0.33	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	ZINC	16.9		0.21	0.21	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	BARIUM	13.9		0.83	0.83	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	IRON	13000		7.6	7.6	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	LEAD	10.7		0.19	0.19	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	MAGNESIUM	1590		31.2	31.2	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	MANGANESE	74.3		0.19	0.19	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	MOLYBDENUM	0.39	J	0.38	0.38	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	NICKEL	6.8		0.66	0.66	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	VANADIUM	16.8		0.47	0.47	mg/Kg	L35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EBA	BC568	4/29/2002	SW8270	DI-N-BUTYL PHTHALATE	61	J	61	390	ug/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	POTASSIUM	765		29.4	29.4	mg/Kg	L35
SS05EBA	BC568	4/29/2002	CL200.7	BORON	6.9		0.45	0.45	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	COBALT	2.1		0.45	0.45	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	ZINC	18		0.19	0.19	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	VANADIUM	17.1		0.43	0.43	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	POTASSIUM	619		26.8	26.8	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	NICKEL	6.2		0.6	0.6	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	MANGANESE	67.1		0.17	0.17	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	MAGNESIUM	1290		28.5	28.5	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	LEAD	22.5		0.17	0.17	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	ALUMINUM	11000		3.9	3.9	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	COPPER	5.6	J	0.3	0.3	mg/Kg	L35
SS05EBA	BC569	4/29/2002	SW8270	BENZOIC ACID	24	J	24	950	ug/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	CHROMIUM, TOTAL	14.1		0.26	0.26	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	CALCIUM	107		27.6	27.6	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	BORON	6.2		0.41	0.41	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	BERYLLIUM	0.27		0.02	0.02	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	BARIUM	13.5		0.75	0.75	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	ARSENIC	3.7		0.58	0.58	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	ANTIMONY	0.75	J	0.39	0.39	mg/Kg	L35
SS05EBA	BC569	4/29/2002	CL200.7	IRON	11900		6.9	6.9	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	COBALT	2		0.46	0.46	mg/Kg	L35
SS05EBA	BC570	4/29/2002	SW8270	BENZOIC ACID	21	J	21	930	ug/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	VANADIUM	13.4		0.43	0.43	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	POTASSIUM	571		27	27	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	NICKEL	5.5		0.61	0.61	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	MANGANESE	67.2		0.17	0.17	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	MAGNESIUM	1140		28.7	28.7	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	LEAD	15.7		0.17	0.17	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	ALUMINUM	8560		4	4	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	COPPER	6.5	J	0.3	0.3	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	ANTIMONY	0.4	J	0.39	0.39	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	CHROMIUM, TOTAL	11.1		0.26	0.26	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	CALCIUM	93.9		27.8	27.8	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	BORON	4.9		0.41	0.41	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	BERYLLIUM	0.22		0.02	0.02	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	BARIUM	11.6		0.76	0.76	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	ARSENIC	2.3		0.59	0.59	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	ZINC	14.9		0.2	0.2	mg/Kg	L35
SS05EBA	BC570	4/29/2002	CL200.7	IRON	9440		6.9	6.9	mg/Kg	L35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EBA	BC570	4/29/2002	SW8270	DI-N-BUTYL PHTHALATE	63	J	63	370	ug/Kg	L35
SS05EC	AK789	10/17/2000	CL200.7	ZINC	14.5		0.29	0.65	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	BERYLLIUM	0.25		0.0186	0.0186	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	COBALT	2.4		0.26	0.297	mg/Kg	K35
SS05EC	AK789	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.9		0.01	0.01	mg/Kg	K35
SS05EC	AK789	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	837	J	0	0	mg/Kg	K35
SS05EC	AK789	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.01	0.01	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	ALUMINUM	3810		2.3	2.3	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	ARSENIC	2.3		0.75	0.78	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	BARIUM	6.7		0.762	0.762	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	CHROMIUM, TOTAL	7		0.14	0.204	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	CALCIUM	76.9		29	31.7	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	VANADIUM	8.7		0.36	0.372	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	COPPER	5.1	J	0.335	0.335	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	IRON	6610		3.94	3.94	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	LEAD	11.1		0.32	0.335	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	MAGNESIUM	805		28.1	38.6	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	MANGANESE	81.2		0.0743	0.0743	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	NICKEL	3.8		0.3	0.39	mg/Kg	K35
SS05EC	AK789	10/17/2000	CL200.7	POTASSIUM	327		35.6	35.6	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	VANADIUM	9.1		0.36	0.372	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	POTASSIUM	323		35.7	35.7	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	CALCIUM	91		29	31.8	mg/Kg	K35
SS05EC	AK790	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	72.2		0.01	0.01	mg/Kg	K35
SS05EC	AK790	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	834	J	0	0	mg/Kg	K35
SS05EC	AK790	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	ALUMINUM	3670		2.31	2.31	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	ARSENIC	1.8		0.75	0.781	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	BARIUM	6.6		0.763	0.763	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	NICKEL	3	J	0.3	0.391	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	ZINC	12		0.29	0.651	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	CHROMIUM, TOTAL	4.9		0.14	0.205	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	COBALT	2.4		0.26	0.298	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	COPPER	3.9	J	0.335	0.335	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	IRON	6390		3.94	3.94	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	LEAD	9.3		0.32	0.335	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	MAGNESIUM	772		28.1	38.7	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	MANGANESE	88.4		0.0744	0.0744	mg/Kg	K35
SS05EC	AK790	10/17/2000	CL200.7	BERYLLIUM	0.2		0.0186	0.0186	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	POTASSIUM	358		38.2	38.2	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	VANADIUM	8.3		0.36	0.399	mg/Kg	K35

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EC	AK791	10/17/2000	CL200.7	CHROMIUM, TOTAL	5.1		0.14	0.219	mg/Kg	K35
SS05EC	AK791	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.3		0.01	0.01	mg/Kg	K35
SS05EC	AK791	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	567	J	0	0	mg/Kg	K35
SS05EC	AK791	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.9	J	0.02	0.02	mg/Kg	K35
SS05EC	AK791	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.07		0.01	0.01	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	ALUMINUM	3590		2.47	2.47	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	ARSENIC	2		0.75	0.837	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	BARIUM	6.6		0.817	0.817	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	ZINC	10.7		0.29	0.697	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	CALCIUM	115		29	34	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	COBALT	2.1		0.26	0.319	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	COPPER	3.6	J	0.34	0.359	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	IRON	5660		4.21	4.22	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	LEAD	13		0.32	0.359	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	MAGNESIUM	815		28.1	41.4	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	MANGANESE	77.4		0.0797	0.0797	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	NICKEL	3.2	J	0.3	0.418	mg/Kg	K35
SS05EC	AK791	10/17/2000	CL200.7	BERYLLIUM	0.18		0.0199	0.0199	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	BERYLLIUM	0.19		0.0168	0.0168	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	ZINC	8.9		0.29	0.589	mg/Kg	K35
SS05EC	AK792	10/17/2000	SW8270	DI-N-BUTYL PHTHALATE	40	J	40	340	ug/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	COBALT	2.1		0.26	0.269	mg/Kg	K35
SS05EC	AK792	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	70.1		0.01	0.01	mg/Kg	K35
SS05EC	AK792	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	551	J	0	0	mg/Kg	K35
SS05EC	AK792	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.09		0.01	0.01	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	ALUMINUM	3830		2.09	2.09	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	ARSENIC	1.9		0.707	0.707	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	CHROMIUM, TOTAL	5		0.14	0.185	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	CALCIUM	59.5		28.7	28.7	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	VANADIUM	8.9		0.337	0.337	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	COPPER	3.6	J	0.303	0.303	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	IRON	6040		3.57	3.57	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	LEAD	13.6		0.303	0.303	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	MAGNESIUM	760		28.1	35	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	MANGANESE	77.6		0.0673	0.0673	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	NICKEL	3.1		0.3	0.354	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	POTASSIUM	302		32.3	32.3	mg/Kg	K35
SS05EC	AK792	10/17/2000	CL200.7	BARIUM	6.5		0.69	0.69	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	CALCIUM	68.3		26.9	26.9	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	MOLYBDENUM	0.52	J	0.489	0.489	mg/Kg	K35
SS05EC	AK793	10/17/2000	CVOL	ACETONE	25	J	4.34	7	ug/Kg	K35

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EC	AK793	10/17/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24	J	24	340	ug/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	ZINC	9.5		0.29	0.552	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	VANADIUM	8.9		0.316	0.316	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	BORON	5.1		0.63	0.852	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	NICKEL	3.4		0.3	0.331	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	MANGANESE	68.5		0.0631	0.0631	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	MAGNESIUM	765		28.1	32.8	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	LEAD	13.9		0.284	0.284	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	IRON	6120		3.35	3.35	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	ARSENIC	2		0.663	0.663	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	POTASSIUM	337		30.3	30.3	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	BARIUM	7		0.647	0.647	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	COPPER	4.3	J	0.284	0.284	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	ALUMINUM	4570		1.96	1.96	mg/Kg	K35
SS05EC	AK793	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	BERYLLIUM	0.18		0.0158	0.0158	mg/Kg	K35
SS05EC	AK793	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	653	J	0	0	mg/Kg	K35
SS05EC	AK793	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	61.5		0.01	0.01	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	CHROMIUM, TOTAL	5.3		0.14	0.174	mg/Kg	K35
SS05EC	AK793	10/17/2000	CL200.7	COBALT	2.1		0.253	0.253	mg/Kg	K35
SS05EC	AK793	10/17/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.7	J	0.02	0.02	mg/Kg	K35
SS05EC	AK794	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	COBALT	2.3		0.26	0.281	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	CHROMIUM, TOTAL	4.3		0.14	0.193	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	CALCIUM	43.7	J	29	30	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	BERYLLIUM	0.31		0.0176	0.0176	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	BARIUM	9.8		0.72	0.72	mg/Kg	K35
SS05EC	AK794	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	65.1		0.01	0.01	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	ALUMINUM	3650		2.18	2.18	mg/Kg	K35
SS05EC	AK794	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	605	J	0	0	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	LEAD	8		0.316	0.316	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	ARSENIC	2.2		0.738	0.738	mg/Kg	K35
SS05EC	AK794	10/17/2000	CVOL	ACETONE	21	J	4.34	8	ug/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	COPPER	5.7	J	0.316	0.316	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	IRON	6090		3.72	3.72	mg/Kg	K35
SS05EC	AK794	10/17/2000	CVOL	TOLUENE	1	J	0.32	8	ug/Kg	K35
SS05EC	AK794	10/17/2000	SW8270	DI-N-BUTYL PHTHALATE	17	J	17	340	ug/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	ZINC	10.3		0.29	0.615	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	VANADIUM	8.1		0.351	0.351	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	MAGNESIUM	666		28.1	36.5	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	NICKEL	4		0.3	0.369	mg/Kg	K35

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05EC	AK794	10/17/2000	CL200.7	MOLYBDENUM	0.68	J	0.49	0.545	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	MANGANESE	349		0.0703	0.0703	mg/Kg	K35
SS05EC	AK794	10/17/2000	CL200.7	POTASSIUM	290		33.7	33.7	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	IRON	4910		3.64	3.64	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	LEAD	151		0.309	0.309	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	MAGNESIUM	635		28.1	35.7	mg/Kg	K35
SS05EC	AK795	10/17/2000	CVOL	TOLUENE	2	J	0.32	11	ug/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	MANGANESE	55.2		0.0686	0.0686	mg/Kg	K35
SS05EC	AK795	10/17/2000	CVOL	ACETONE	27	J	4.34	11	ug/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	ZINC	8.1	J	0.29	0.6	mg/Kg	K35
SS05EC	AK795	10/17/2000	SW8270	DI-N-BUTYL PHTHALATE	19	J	19	350	ug/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	COPPER	3.5	J	0.309	0.309	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	ANTIMONY	5.6		0.5	0.789	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	POTASSIUM	293		32.9	32.9	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	COBALT	1.8		0.26	0.274	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	CHROMIUM, TOTAL	4.3		0.14	0.189	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	CALCIUM	53.2	J	29	29.3	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	BERYLLIUM	0.12		0.0172	0.0172	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	ARSENIC	1.7		0.72	0.72	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	ALUMINUM	3410		2.13	2.13	mg/Kg	K35
SS05EC	AK795	10/17/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	K35
SS05EC	AK795	10/17/2000	LYDKHN	TOTAL ORGANIC CARBON	738	J	0	0	mg/Kg	K35
SS05EC	AK795	10/17/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	63.8		0.01	0.01	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	NICKEL	2.6	J	0.3	0.36	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	BARIUM	5.7		0.703	0.703	mg/Kg	K35
SS05EC	AK795	10/17/2000	CL200.7	VANADIUM	7.6		0.343	0.343	mg/Kg	K35
SS05EC	AK807	10/17/2000	LAL40	URANIUM-238	0.5	J	0.0001	0.07	PCI/G	K35
SS05EC	AK807	10/17/2000	LAL40	URANIUM-234	0.43	J	0.0001	0.11	PCI/G	K35
SS05EC	AK808	10/17/2000	LAL40	URANIUM-234	0.4	J	0.0001	0.05	PCI/G	K35
SS05EC	AK808	10/17/2000	LAL40	URANIUM-238	0.43		0.0001	0.11	PCI/G	K35
SS05EC	AK809	10/17/2000	LAL40	URANIUM-234	0.35	J	0.0001	0.08	PCI/G	K35
SS05EC	AK809	10/17/2000	LAL40	URANIUM-238	0.45		0.0001	0.08	PCI/G	K35
SS05EC	AK810	10/17/2000	LAL40	URANIUM-234	0.5	J	0.0001	0.15	PCI/G	K35
SS05EC	AK810	10/17/2000	LAL40	URANIUM-238	0.44		0.0001	0.09	PCI/G	K35
SS05EC	AK811	10/17/2000	LAL40	URANIUM-234	0.61	J	0.0001	0.09	PCI/G	K35
SS05EC	AK811	10/17/2000	LAL40	URANIUM-238	0.76		0.0001	0.09	PCI/G	K35
SS05EC	AK812	10/17/2000	LAL40	URANIUM-238	0.45		0.0001	0.04	PCI/G	K35
SS05EC	AK812	10/17/2000	LAL40	URANIUM-234	0.29	J	0.0001	0.08	PCI/G	K35
SS05EC	AK813	10/17/2000	LAL40	URANIUM-234	0.58	J	0.0001	0.08	PCI/G	K35
SS05EC	AK813	10/17/2000	LAL40	URANIUM-238	0.52		0.0001	0.07	PCI/G	K35
SS05ECA	BC561	4/29/2002	CL200.7	ARSENIC	1.1		0.5	0.5	mg/Kg	K35

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NJ = Estimated Result
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05ECA	BC561	4/29/2002	CL200.7	ZINC	10.8		0.17	0.17	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	VANADIUM	6.9		0.37	0.37	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	POTASSIUM	313		23.1	23.1	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	NICKEL	2.9		0.52	0.52	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	MANGANESE	61.3		0.15	0.15	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	COBALT	1.4		0.39	0.39	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	ANTIMONY	0.62	J	0.33	0.33	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	BARIUM	6.1		0.65	0.65	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	BERYLLIUM	0.14		0.02	0.02	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	BORON	2.6		0.35	0.35	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	CALCIUM	76.3		23.8	23.8	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	CHROMIUM, TOTAL	5		0.22	0.22	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	IRON	4930		5.9	5.9	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	MAGNESIUM	609		24.6	24.6	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	COPPER	6.1	J	0.26	0.26	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	LEAD	24.2		0.15	0.15	mg/Kg	K35
SS05ECA	BC561	4/29/2002	CL200.7	ALUMINUM	3360		3.4	3.4	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	COPPER	6.3	J	0.26	0.26	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	COBALT	1.7		0.39	0.39	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	CHROMIUM, TOTAL	7.7		0.22	0.22	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	CALCIUM	74.2		23.9	23.9	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	BORON	4.1		0.35	0.35	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	BERYLLIUM	0.19		0.02	0.02	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	BARIUM	9.4		0.65	0.65	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	ARSENIC	2.3		0.5	0.5	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	ANTIMONY	0.76		0.34	0.34	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	ALUMINUM	5640		3.4	3.4	mg/Kg	K35
SS05ECA	BC562	4/29/2002	SW8270	DI-N-BUTYL PHTHALATE	350	J	71.5	360	ug/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	MANGANESE	75.5		0.15	0.15	mg/Kg	K35
SS05ECA	BC562	4/29/2002	SW8270	2,4-DINITROTOLUENE	62	J	35.8	360	ug/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	IRON	6920		6	6	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	LEAD	13.9		0.15	0.15	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	ZINC	10.9		0.17	0.17	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	VANADIUM	10.3		0.37	0.37	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	POTASSIUM	430		23.2	23.2	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	NICKEL	4		0.52	0.52	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	MOLYBDENUM	0.48	J	0.3	0.3	mg/Kg	K35
SS05ECA	BC562	4/29/2002	CL200.7	MAGNESIUM	895		24.6	24.6	mg/Kg	K35
SS05ECA	BC562	4/29/2002	SW8270	N-NITROSODIPHENYLAMINE	26	J	26	360	ug/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	BERYLLIUM	0.24		0.02	0.02	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	IRON	9440		6.9	6.9	mg/Kg	K35

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05ECA	BC563	4/29/2002	CL200.7	ARSENIC	2.3		0.59	0.59	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	SELENIUM	0.55	J	0.44	0.44	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	ANTIMONY	1.2		0.39	0.39	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	ALUMINUM	8320		4	4	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	COBALT	2.1		0.46	0.46	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	BORON	5.6		0.41	0.41	mg/Kg	K35
SS05ECA	BC563	4/29/2002	SW8270	DI-N-BUTYL PHTHALATE	35	J	35	370	ug/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	BARIUM	13.4		0.76	0.76	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	VANADIUM	14.4		0.44	0.44	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	POTASSIUM	673		27	27	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	COPPER	8.8	J	0.31	0.31	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	MANGANESE	72.6		0.17	0.17	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	MAGNESIUM	1370		28.8	28.8	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	LEAD	30.7		0.17	0.17	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	CALCIUM	107		27.9	27.9	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	NICKEL	6.8		0.61	0.61	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	CHROMIUM, TOTAL	12.3		0.26	0.26	mg/Kg	K35
SS05ECA	BC563	4/29/2002	CL200.7	ZINC	15.3		0.2	0.2	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	IRON	5380		6.4	6.4	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	ZINC	8.3		0.18	0.18	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	VANADIUM	7.6		0.4	0.4	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	POTASSIUM	333		24.9	24.9	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	NICKEL	3		0.56	0.56	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	MANGANESE	66.8		0.16	0.16	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	ARSENIC	1.4		0.54	0.54	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	MAGNESIUM	670		26.4	26.4	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	COBALT	1.6		0.42	0.42	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	CHROMIUM, TOTAL	5.5		0.24	0.24	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	CALCIUM	90.8		25.7	25.7	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	BORON	3		0.38	0.38	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	BARIUM	7.4		0.7	0.7	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	ALUMINUM	3430		3.7	3.7	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	LEAD	3.7		0.16	0.16	mg/Kg	K35
SS05ECB	BC564	4/29/2002	CL200.7	BERYLLIUM	0.17		0.02	0.02	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	BARIUM	5.8		0.7	0.7	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	MAGNESIUM	611		26.4	26.4	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	ALUMINUM	2810		3.7	3.7	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	ANTIMONY	0.47	J	0.36	0.36	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	ZINC	7		0.18	0.18	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	VANADIUM	7.2		0.4	0.4	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	POTASSIUM	294		24.9	24.9	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05ECB	BC565	4/29/2002	CL200.7	MANGANESE	59.4		0.16	0.16	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	LEAD	3.2		0.16	0.16	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	IRON	5060		6.4	6.4	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	COBALT	1.5		0.42	0.42	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	CHROMIUM, TOTAL	5.5		0.24	0.24	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	CALCIUM	80.1		25.7	25.7	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	BORON	2.9		0.38	0.38	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	BERYLLIUM	0.16		0.02	0.02	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	ARSENIC	1.4		0.54	0.54	mg/Kg	K35
SS05ECB	BC565	4/29/2002	CL200.7	NICKEL	3.2		0.56	0.56	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	CALCIUM	61.5		24.6	24.6	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	CHROMIUM, TOTAL	3.7		0.23	0.23	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	VANADIUM	5.8		0.38	0.38	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	ZINC	6.1		0.17	0.17	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	POTASSIUM	286		23.8	23.8	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	IRON	4210		6.1	6.1	mg/Kg	K35
SS05ECB	BC566	4/29/2002	SW8270	DI-N-BUTYL PHTHALATE	21	J	21	350	ug/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	ALUMINUM	2330		3.5	3.5	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	COBALT	1.3		0.4	0.4	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	NICKEL	2.1		0.54	0.54	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	MAGNESIUM	471		25.3	25.3	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	ARSENIC	1.5		0.52	0.52	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	BARIUM	5.5		0.67	0.67	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	BERYLLIUM	0.15		0.02	0.02	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	BORON	2.5		0.36	0.36	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	MANGANESE	54.5		0.15	0.15	mg/Kg	K35
SS05ECB	BC566	4/29/2002	CL200.7	LEAD	3		0.15	0.15	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	MOLYBDENUM	0.31	J	0.29	0.29	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	COBALT	1.2		0.38	0.38	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	BARIUM	6.1		0.64	0.64	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	BERYLLIUM	0.18		0.02	0.02	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	BORON	2.4		0.35	0.35	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	ALUMINUM	3350		3.3	3.3	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	CALCIUM	46.9		23.4	23.4	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	CHROMIUM, TOTAL	5.2		0.22	0.22	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	ARSENIC	1.7		0.49	0.49	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	COPPER	8.3	J	0.26	0.26	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	IRON	4870		5.8	5.8	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	LEAD	2.9		0.15	0.15	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	MANGANESE	57.7		0.15	0.15	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	NICKEL	2.7		0.51	0.51	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05ECB	BC567	4/29/2002	CL200.7	POTASSIUM	288		22.6	22.6	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	VANADIUM	7.3		0.36	0.36	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	ZINC	6.7		0.16	0.16	mg/Kg	K35
SS05ECB	BC567	4/29/2002	CL200.7	MAGNESIUM	617		24	24	mg/Kg	K35
SS05FA1	AP420	4/13/2001	CVOL	TETRACHLOROETHENE(PCE)	0.6	J	0.6	6	ug/Kg	I42
SS05FA1	AP420	4/13/2001	CVOL	ACETONE	11	J	4.04	6	ug/Kg	I42
SS05FA1	AP420	4/13/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	1	J	1	6	ug/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	IRON	9070		5.88	5.88	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	ZINC	13.4	J	0.0711	0.0711	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	VANADIUM	14.6		0.356	0.356	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	SODIUM	674	J	50	50	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	POTASSIUM	619		5.33	5.33	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	NICKEL	5.7		0.249	0.249	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	MANGANESE	77		0.32	0.32	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	ALUMINUM	8060		12.8	12.8	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	LEAD	5.7	J	0.462	0.462	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	ARSENIC	2		1.01	1.01	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	COPPER	3.7		0.107	0.107	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	COBALT	2.2		0.284	0.284	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	CHROMIUM, TOTAL	11.1		0.356	0.356	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	BORON	2.8		0.231	0.231	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	BARIUM	12.2		0.0533	0.0533	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	BERYLLIUM	0.38		0.0711	0.0711	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	MAGNESIUM	1340		12.5	12.5	mg/Kg	I42
SS05FA1	AP429	4/13/2001	CL200.7	CALCIUM	132		12	12	mg/Kg	I42
SS05FA2	AP421	4/13/2001	CVOL	ACETONE	11	J	4.04	8	ug/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	LEAD	7.8	J	0.49	0.49	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	ALUMINUM	11100		13.6	13.6	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	ARSENIC	4.3		1.07	1.07	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	BERYLLIUM	0.44		0.0754	0.0754	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	CALCIUM	130		12.7	12.7	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	CHROMIUM, TOTAL	14.5		0.377	0.377	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	COBALT	2.6		0.301	0.301	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	IRON	12600		6.24	6.24	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	BARIUM	14.6		0.0565	0.0565	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	MAGNESIUM	1660		13.3	13.3	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	MANGANESE	79.1		0.339	0.339	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	NICKEL	6.8		0.264	0.264	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	POTASSIUM	738		5.65	5.65	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	SODIUM	813	J	52.9	52.9	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	VANADIUM	19.8		0.377	0.377	mg/Kg	I42

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05FA2	AP430	4/13/2001	CL200.7	ZINC	16.4	J	0.0754	0.0754	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	COPPER	4.3		0.113	0.113	mg/Kg	I42
SS05FA2	AP430	4/13/2001	CL200.7	BORON	3.6		0.245	0.245	mg/Kg	I42
SS05FA3	AP422	4/13/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	4	8	ug/Kg	I42
SS05FA3	AP422	4/13/2001	CVOL	ACETONE	23	J	4.04	8	ug/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	SODIUM	775	J	55.4	55.4	mg/Kg	I42
SS05FA3	AP431	4/13/2001	SW8270	BIS(2-CHLOROETHYL) ETHER	2500		100	420	ug/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	VANADIUM	22.8		0.394	0.394	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	POTASSIUM	691		5.91	5.91	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	NICKEL	7.8		0.276	0.276	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	MANGANESE	73.5		0.355	0.355	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	MAGNESIUM	1580		13.9	13.9	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	LEAD	8.6	J	0.512	0.512	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	BERYLLIUM	0.43		0.0788	0.0788	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	COPPER	4.4		0.118	0.118	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	COBALT	2.5		0.315	0.315	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	CHROMIUM, TOTAL	16.7		0.394	0.394	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	CALCIUM	149		13.3	13.3	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	ALUMINUM	14000		14.2	14.2	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	BORON	3.1		0.256	0.256	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	ARSENIC	3.7		1.12	1.12	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	IRON	14100		6.52	6.52	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	BARIUM	15.1		0.0591	0.0591	mg/Kg	I42
SS05FA3	AP431	4/13/2001	CL200.7	ZINC	17	J	0.0788	0.0788	mg/Kg	I42
SS05FA4	AP423	4/13/2001	CVOL	ACETONE	24	J	4.04	8	ug/Kg	I41
SS05FA4	AP423	4/13/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	8	ug/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	CHROMIUM, TOTAL	65.6		0.325	0.325	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	COPPER	3		0.0976	0.0976	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	ARSENIC	1.5	J	0.927	0.927	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	COBALT	1.8		0.26	0.26	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	CALCIUM	80.9		11	11	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	BARIUM	6.9		0.0488	0.0488	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	ALUMINUM	5060		11.7	11.7	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	IRON	6400		5.38	5.38	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	NICKEL	3.3		0.228	0.228	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	BERYLLIUM	0.25		0.065	0.065	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	ZINC	9.3	J	0.065	0.065	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	MANGANESE	81.2		0.293	0.293	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	POTASSIUM	368		4.88	4.88	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	SODIUM	389	J	45.7	45.7	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	VANADIUM	10		0.325	0.325	mg/Kg	I41

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05FA4	AP432	4/13/2001	CL200.7	MAGNESIUM	814		11.4	11.4	mg/Kg	I41
SS05FA4	AP432	4/13/2001	CL200.7	LEAD	5	J	0.423	0.423	mg/Kg	I41
SS05FA5	AP424	4/13/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	2	J	2	6	ug/Kg	I41
SS05FA5	AP424	4/13/2001	CVOL	ACETONE	15	J	4.04	6	ug/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	MAGNESIUM	1270		13	13	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	MANGANESE	141		0.332	0.332	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	NICKEL	6		0.258	0.258	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	POTASSIUM	540		5.53	5.53	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	LEAD	6.6	J	0.479	0.479	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	VANADIUM	16.4		0.369	0.369	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	BORON	2.4		0.24	0.24	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	ZINC	14.5	J	0.0737	0.0737	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	SODIUM	621	J	51.8	51.8	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	IRON	10900		6.1	6.1	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	COPPER	5.5		0.111	0.111	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	COBALT	2.4		0.295	0.295	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	CALCIUM	409		12.4	12.4	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	BERYLLIUM	0.4		0.0737	0.0737	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	BARIUM	12.1		0.0553	0.0553	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	ARSENIC	2.9		1.05	1.05	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	ALUMINUM	9010		13.3	13.3	mg/Kg	I41
SS05FA5	AP433	4/13/2001	CL200.7	CHROMIUM, TOTAL	11.6		0.369	0.369	mg/Kg	I41
SS05FAA	AQ675	5/25/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19	J	19	410	ug/Kg	I42
SS05K	AW076	11/1/2001	CVOL	TOLUENE	2	J	2	10	ug/Kg	K39
SS05K	AW076	11/1/2001	CVOL	CHLOROMETHANE	53		3.13	10	ug/Kg	K39
SS05K	AW076	11/1/2001	CVOL	BROMOMETHANE	65	J	4.45	10	ug/Kg	K39
SS05K	AW076	11/1/2001	CVOL	BENZENE	2	J	2	10	ug/Kg	K39
SS05K	AW076	11/1/2001	CVOL	ACETONE	88	J	3.81	10	ug/Kg	K39
SS05K	AW076	11/1/2001	CVOL	CARBON DISULFIDE	2	J	2	10	ug/Kg	K39
SS05P	SS05P_PE	2/22/2007	SW6010B	LEAD	7.4		0.28	0.8252	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	POTASSIUM	524		26.9	26.9	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	IRON	8100		6.9	6.9	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	MOLYBDENUM	0.53	J	0.35	0.35	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	BARIUM	11.4		1.4	1.4	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	CADMIUM	0.13	J	0.1	0.11	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	CALCIUM	280		27.8	27.8	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	CHROMIUM, TOTAL	8.8		0.26	0.26	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	ARSENIC	2.5		0.48	0.48	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	COPPER	8.4		0.3	0.3	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	ALUMINUM	6050		4	4	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	LEAD	9.3		0.17	0.17	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05P1A	BC612	4/30/2002	CL200.7	MAGNESIUM	936		28.6	28.6	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	MANGANESE	73.6		0.17	0.17	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	NICKEL	5.5		0.61	0.61	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	VANADIUM	11.9		0.43	0.43	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	SILVER	0.82	J	0.3	0.41	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	COBALT	2.6		0.63	0.63	mg/Kg	K35
SS05P1A	BC612	4/30/2002	CL200.7	ZINC	12.4	J	0.19	0.19	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	LEAD	7.4		0.17	0.17	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	ARSENIC	2.3		0.48	0.48	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	BARIUM	11.1		1.4	1.4	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	ZINC	8.8	J	0.2	0.2	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	CADMIUM	0.2	J	0.1	0.11	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	CALCIUM	118		28	28	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	CHROMIUM, TOTAL	9.6		0.26	0.26	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	VANADIUM	13.9		0.44	0.44	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	IRON	9710		7	7	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	ALUMINUM	9150		4	4	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	MAGNESIUM	634		28.9	28.9	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	MANGANESE	39.9		0.17	0.17	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	MOLYBDENUM	0.46	J	0.35	0.35	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	NICKEL	4.4		0.61	0.61	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	POTASSIUM	412		27.1	27.1	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	SILVER	5.2		0.3	0.42	mg/Kg	K35
SS05P1A	BC613	4/30/2002	CL200.7	COBALT	1.9		0.63	0.63	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	BARIUM	10.5		1.3	1.3	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	ZINC	15.3	J	0.19	0.19	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	VANADIUM	12.9		0.42	0.42	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	POTASSIUM	497		26.3	26.3	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	NICKEL	5.2		0.59	0.59	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	MOLYBDENUM	0.35	J	0.34	0.34	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	MANGANESE	112		0.17	0.17	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	MAGNESIUM	1450		28	28	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	LEAD	5.9		0.17	0.17	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	IRON	12000		6.8	6.8	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	COBALT	3.9		0.61	0.61	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	CHROMIUM, TOTAL	10.2		0.25	0.25	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	CALCIUM	98.3		27.1	27.1	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	CADMIUM	0.15	J	0.1	0.11	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	ALUMINUM	9020		3.9	3.9	mg/Kg	K35
SS05P1A	BC614	4/30/2002	CL200.7	ARSENIC	2.8		0.47	0.47	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	MOLYBDENUM	0.41	J	0.34	0.34	mg/Kg	K35

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05P1A	BC615	4/30/2002	CL200.7	ALUMINUM	8800		3.9	3.9	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	CALCIUM	123		27.2	27.2	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	CHROMIUM, TOTAL	10.3		0.25	0.25	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	COBALT	2.7		0.62	0.62	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	IRON	10600		6.8	6.8	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	LEAD	6.3		0.17	0.17	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	BARIUM	10.6		1.3	1.3	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	MANGANESE	67.1		0.17	0.17	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	NICKEL	4.7		0.59	0.59	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	POTASSIUM	467		26.3	26.3	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	VANADIUM	12.9		0.42	0.42	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	ZINC	13.7	J	0.19	0.19	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	ARSENIC	2.8		0.47	0.47	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	CADMIUM	0.13	J	0.1	0.11	mg/Kg	K35
SS05P1A	BC615	4/30/2002	CL200.7	MAGNESIUM	1000		28	28	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	COBALT	2.9		0.59	0.59	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	CADMIUM	0.18	J	0.1	0.1	mg/Kg	K35
SS05P1B	BC616	4/30/2002	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	540		126	370	ug/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	ZINC	15.3	J	0.18	0.18	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	VANADIUM	16.5		0.41	0.41	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	POTASSIUM	445		25.3	25.3	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	NICKEL	6.6		0.57	0.57	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	MOLYBDENUM	0.56	J	0.33	0.33	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	MANGANESE	51.1		0.16	0.16	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	MAGNESIUM	1150		26.9	26.9	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	LEAD	17.4		0.16	0.16	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	IRON	12900		6.5	6.5	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	COPPER	11.6		0.29	0.29	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	CALCIUM	366		26.2	26.2	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	CHROMIUM, TOTAL	12.8		0.24	0.24	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	BARIUM	11.7		1.3	1.3	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	ANTIMONY	0.46		0.37	0.37	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	ALUMINUM	10600		3.7	3.7	mg/Kg	K35
SS05P1B	BC616	4/30/2002	CL200.7	ARSENIC	2.7		0.45	0.45	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	NICKEL	5.7		0.62	0.62	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	CALCIUM	130		28.3	28.3	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	BARIUM	12.9		1.4	1.4	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	ARSENIC	3.5		0.49	0.49	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	ALUMINUM	11200		4	4	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	COPPER	4.7		0.31	0.31	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	IRON	12300		7.1	7.1	mg/Kg	K35

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05P1B	BC617	4/30/2002	CL200.7	LEAD	11.3		0.18	0.18	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	MAGNESIUM	1190		29.2	29.2	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	MOLYBDENUM	0.42	J	0.35	0.35	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	POTASSIUM	543		27.4	27.4	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	VANADIUM	15.9		0.44	0.44	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	ZINC	13.7	J	0.2	0.2	mg/Kg	K35
SS05P1B	BC617	4/30/2002	SW8270	DI-N-BUTYL PHTHALATE	17	J	17	370	ug/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	CHROMIUM, TOTAL	13.4		0.27	0.27	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	COBALT	2.8		0.64	0.64	mg/Kg	K35
SS05P1B	BC617	4/30/2002	CL200.7	MANGANESE	54.3		0.18	0.18	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	COBALT	5.1		0.6	0.6	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	COPPER	5		0.29	0.29	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	IRON	12600		6.6	6.6	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	LEAD	6.6		0.17	0.17	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	MAGNESIUM	1990		27.5	27.5	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	MOLYBDENUM	0.46	J	0.33	0.33	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	MANGANESE	89.4		0.17	0.17	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	ZINC	17.3	J	0.19	0.19	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	VANADIUM	16		0.42	0.42	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	POTASSIUM	764		25.9	25.9	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	NICKEL	9		0.58	0.58	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	CHROMIUM, TOTAL	15.8		0.25	0.25	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	ARSENIC	3.5		0.46	0.46	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	ANTIMONY	0.43	J	0.38	0.38	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	ALUMINUM	10300		3.8	3.8	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	BARIUM	13		1.3	1.3	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	BERYLLIUM	0.32		0.02	0.02	mg/Kg	K35
SS05P1B	BC618	4/30/2002	CL200.7	CALCIUM	389		26.7	26.7	mg/Kg	K35
SS05P1B	BC673	4/30/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	8	ug/Kg	K35
SS05P1B	BC673	4/30/2002	CVOL	ACETONE	44	J	3.81	8	ug/Kg	K35
SS05Q	SS05Q_PE	2/22/2007	SW6010B	LEAD	56.8		0.29	0.8525	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	CHROMIUM, TOTAL	8		0.25	0.25	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	VANADIUM	12.2		0.42	0.42	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	POTASSIUM	457		26.1	26.1	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	NICKEL	4.4		0.59	0.59	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	MANGANESE	92.1		0.17	0.17	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	MAGNESIUM	904		27.8	27.8	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	LEAD	5.5		0.17	0.17	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	ZINC	11		0.19	0.19	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	COBALT	3.1		0.44	0.44	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	CALCIUM	77.7		27	27	mg/Kg	K35

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS05Q1A	BC571	4/29/2002	CL200.7	BORON	4.6		0.4	0.4	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	BERYLLIUM	0.24		0.02	0.02	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	BARIUM	8.5		0.74	0.74	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	ARSENIC	2.7		0.46	0.46	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	ALUMINUM	5500		3.9	3.9	mg/Kg	K35
SS05Q1A	BC571	4/29/2002	CL200.7	IRON	8430		6.7	6.7	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	BARIUM	9.4		0.69	0.69	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	LEAD	4.3		0.16	0.16	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	ZINC	9.8		0.18	0.18	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	VANADIUM	8.8		0.39	0.39	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	POTASSIUM	461		24.3	24.3	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	NICKEL	3.3		0.55	0.55	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	ALUMINUM	4470		3.6	3.6	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	MAGNESIUM	881		25.9	25.9	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	ARSENIC	2.4		0.53	0.53	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	IRON	6260		6.3	6.3	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	COBALT	1.9		0.41	0.41	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	CHROMIUM, TOTAL	6.4		0.24	0.24	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	CALCIUM	85		25.1	25.1	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	BORON	3.6		0.37	0.37	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	BERYLLIUM	0.21		0.02	0.02	mg/Kg	K35
SS05Q1A	BC572	4/29/2002	CL200.7	MANGANESE	80.6		0.16	0.16	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	MAGNESIUM	683		28.2	28.2	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	COPPER	3.4	J	0.3	0.3	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	ALUMINUM	3700		3.9	3.9	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	ARSENIC	2.6		0.47	0.47	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	BARIUM	7.4		0.75	0.75	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	BERYLLIUM	0.2		0.02	0.02	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	BORON	4.3		0.41	0.41	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	CALCIUM	59.4		27.4	27.4	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	NICKEL	2.8		0.6	0.6	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	COBALT	1.4		0.45	0.45	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	IRON	7270		6.8	6.8	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	LEAD	3.7		0.17	0.17	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	MANGANESE	59.1		0.17	0.17	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	POTASSIUM	354		26.5	26.5	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	VANADIUM	11.3		0.43	0.43	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	ZINC	8.4		0.19	0.19	mg/Kg	K35
SS05Q1A	BC573	4/29/2002	SW8270	DI-N-BUTYL PHTHALATE	22	J	22	350	ug/Kg	K35
SS05Q1A	BC573	4/29/2002	CL200.7	CHROMIUM, TOTAL	5.9		0.26	0.26	mg/Kg	K35
SS05R	SS05R_PE	2/22/2007	SW6010B	LEAD	12.2		0.27	0.7949	mg/Kg	K35

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS08524-A	TA225	12/17/2001	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	42.7	J	22.2	436	ug/Kg	H41
SS15139-A	05CM-01	1/30/2004	SW8270C	CHRYSENE	41	J	38.2	480	ug/Kg	K37
SS15139-A	05CM-01	1/30/2004	SW8270C	PHENANTHRENE	42	J	38.7	480	ug/Kg	K37
SS15139-A	05CM-02	1/30/2004	SW8270C	DI-N-BUTYL PHTHALATE	80	J	32.9	430	ug/Kg	K37
SS15140-A	05CN-01FD	1/29/2004	SW8270C	DI-N-BUTYL PHTHALATE	320	J	32.4	420	ug/Kg	J38
SS15140-A	05CN-01FD	1/29/2004	SW8270C	2,4-DINITROTOLUENE	150	J	80	420	ug/Kg	J38
SS15140-A	05CN-02	1/29/2004	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	240	J	114	410	ug/Kg	J38
SS15141-A	05CO-03	1/29/2004	SW8270C	DI-N-BUTYL PHTHALATE	30	J	30	390	ug/Kg	K39
SS15142-A	05CP-01	3/24/2004	SW6010B	POTASSIUM	473	J	121	550.667	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	CHROMIUM, TOTAL	10		0.63	1.1013	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	ALUMINUM	7540		6.8	22.0267	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.66		0.0097	0.012	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	E350.2	NITROGEN, AMMONIA (AS N)	7.3		0.602	2.7	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	LYDKHN	TOTAL ORGANIC CARBON	6910		557	557	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	77.1		0.236	51.5	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	ANTIMONY	1.1	J	1.1	6.608	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	ARSENIC	3.1		0.57	1.1013	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	BARIUM	10	J	2.1	22.0267	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	BERYLLIUM	0.22	J	0.11	0.5507	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	BORON	2.3	J	1.3	11.0133	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	VANADIUM	16.9		0.48	5.5067	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	CALCIUM	195	J	54.1	550.667	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW8260B	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.15	4.7	ug/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	COBALT	1.5	J	0.41	5.5067	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	COPPER	14.4		0.39	2.7533	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	IRON	8510		4.7	11.0133	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	LEAD	31.8	J	0.29	0.3304	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	MANGANESE	52.8		0.21	1.652	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	NICKEL	5.4		1.9	4.4053	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	MOLYBDENUM	0.7	J	0.33	1.1013	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	SODIUM	233	J	101	550.667	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	ZINC	13.7		1	2.2027	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW8270C	1,3-DIETHYL-1,3-DIPHENYL UREA	530		32.5	370	ug/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW8260B	ACETONE	160		1.93	4.7	ug/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	CADMIUM	0.25	J	0.077	0.5507	mg/Kg	K36
SS15142-A	05CP-01	3/24/2004	SW6010B	MAGNESIUM	915		53.4	550.667	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	LEAD	29.5	J	0.27	0.3131	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	VANADIUM	15.7		0.46	5.2186	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	ZINC	13.4		0.95	2.0874	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW8270C	2,4-DINITROTOLUENE	150	J	71	370	ug/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW8270C	DI-N-BUTYL PHTHALATE	320	J	28.8	370	ug/Kg	K36

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15142-A	05CP-01FD	3/24/2004	SW8260B	ACETONE	160		2.41	5.8	ug/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW8260B	METHYL ETHYL KETONE (2-BUTANONE)	6.7	J	1.44	5.8	ug/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	SODIUM	234	J	96	521.861	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	POTASSIUM	492	J	115	521.861	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	NICKEL	6.6		1.8	4.1749	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	MOLYBDENUM	0.73	J	0.31	1.0437	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	MAGNESIUM	1080		50.6	521.861	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	IRON	8210		4.4	10.4372	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	COPPER	15.3		0.37	2.6093	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	ALUMINUM	7260		6.5	20.8744	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114		0.242	55.8	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	LYDKHN	TOTAL ORGANIC CARBON	13900		569	569	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	MANGANESE	59		0.2	1.5656	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.66		0.0099	0.012	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	COBALT	1.6	J	0.39	5.2186	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	ARSENIC	2.7		0.54	1.0437	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	BARIUM	11	J	2	20.8744	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	BERYLLIUM	0.2	J	0.1	0.5219	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	BORON	2.1	J	1.2	10.4372	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	CADMIUM	0.24	J	0.073	0.5219	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	CALCIUM	283	J	51.3	521.861	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	SW6010B	CHROMIUM, TOTAL	10.8		0.59	1.0437	mg/Kg	K36
SS15142-A	05CP-01FD	3/24/2004	E350.2	NITROGEN, AMMONIA (AS N)	7.5		0.616	2.6	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	CADMIUM	0.24	J	0.071	0.5056	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW8260B	ACETONE	98		2.06	5	ug/Kg	K36
SS15142-A	05CP-02	3/24/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.51		0.0097	0.012	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	ALUMINUM	8840		6.3	20.2245	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	ARSENIC	3		0.53	1.0112	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	BARIUM	10.6	J	1.9	20.2245	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	BERYLLIUM	0.21	J	0.1	0.5056	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	BORON	2.4	J	1.2	10.1122	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	CALCIUM	130	J	49.7	505.612	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	CHROMIUM, TOTAL	10.5		0.58	1.0112	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	COBALT	1.5	J	0.37	5.0561	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	IRON	8400		4.3	10.1122	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	MAGNESIUM	826		49.1	505.612	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	MANGANESE	54.3		0.19	1.5168	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	MOLYBDENUM	0.8	J	0.3	1.0112	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	NICKEL	5		1.7	4.0449	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	POTASSIUM	433	J	111	505.612	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	SODIUM	228	J	93	505.612	mg/Kg	K36

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15142-A	05CP-02	3/24/2004	E350.2	NITROGEN, AMMONIA (AS N)	4.1		0.602	2.7	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	ZINC	13.1		0.92	2.0224	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	COPPER	10.6		0.35	2.5281	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	VANADIUM	15.5		0.44	5.0561	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	LYDKHN	TOTAL ORGANIC CARBON	9050		557	557	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	133		0.236	55.6	mg/Kg	K36
SS15142-A	05CP-02	3/24/2004	SW6010B	LEAD	33.2	J	0.26	0.3034	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.51		0.0096	0.012	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	ALUMINUM	9260		6.7	21.6661	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	ARSENIC	2.6		0.56	1.0833	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	BARIUM	10.8	J	2	21.6661	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	BERYLLIUM	0.22	J	0.11	0.5417	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	BORON	1.9	J	1.3	10.8331	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	CADMIUM	0.18	J	0.076	0.5417	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	CALCIUM	106	J	53.3	541.653	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	CHROMIUM, TOTAL	9.8		0.62	1.0833	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	COBALT	1.5	J	0.4	5.4165	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	E350.2	NITROGEN, AMMONIA (AS N)	4.7		0.598	2.6	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	LEAD	8	J	0.28	0.325	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	IRON	8030		4.6	10.8331	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	MANGANESE	42.8		0.21	1.625	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	MOLYBDENUM	0.63	J	0.33	1.0833	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	NICKEL	4	J	1.8	4.3332	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	POTASSIUM	439	J	119	541.653	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	SELENIUM	0.46	J	0.39	0.5417	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	SODIUM	235	J	99.7	541.653	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	VANADIUM	14.2		0.48	5.4165	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	ZINC	9.5		0.99	2.1666	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW8260B	ACETONE	51		1.76	4.2	ug/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	COPPER	3.3		0.38	2.7083	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	138		0.235	46.8	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	LYDKHN	TOTAL ORGANIC CARBON	3270		553	553	mg/Kg	K36
SS15142-A	05CP-03	3/24/2004	SW6010B	MAGNESIUM	785		52.6	541.653	mg/Kg	K36
SS15143-A	05CR-01	3/24/2004	SW6010B	ZINC	7.2		0.89	1.9552	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	MAGNESIUM	555		47.4	488.797	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	MANGANESE	54.9		0.19	1.4664	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	MOLYBDENUM	0.49	J	0.29	0.9776	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	127		0.0445	9.9	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	ARSENIC	2.2		0.51	0.9776	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	LEAD	8.5	J	0.25	0.2933	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	E350.2	NITROGEN, AMMONIA (AS N)	4		0.566	2.5	mg/Kg	L36

J - Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15143-A	05CR-01	3/24/2004	SW6010B	BARIUM	6.1	J	1.8	19.5519	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW8260B	ACETONE	41		2.26	5.4	ug/Kg	L36
SS15143-A	05CR-01	3/24/2004	LYDKHN	TOTAL ORGANIC CARBON	1300		524	524	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	NICKEL	2.3	J	1.6	3.9104	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	POTASSIUM	318	J	107	488.797	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	SODIUM	141	J	89.9	488.797	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	VANADIUM	8.9		0.43	4.888	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.49		0.0091	0.011	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	CHROMIUM, TOTAL	4.5		0.56	0.9776	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	BERYLLIUM	0.19	J	0.098	0.4888	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	BORON	1.5	J	1.1	9.7759	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	CADMIUM	0.11	J	0.068	0.4888	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	CALCIUM	81.8	J	48.1	488.797	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	IRON	5050		4.1	9.7759	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	COPPER	4.7		0.34	2.444	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	COBALT	1.3	J	0.36	4.888	mg/Kg	L36
SS15143-A	05CR-01	3/24/2004	SW6010B	ALUMINUM	3050		6.1	19.5519	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	LEAD	13.1	J	0.23	0.2634	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.5		0.0444	8.3	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	LYDKHN	TOTAL ORGANIC CARBON	1180		523	523	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	E350.2	NITROGEN, AMMONIA (AS N)	2.8		0.566	2.5	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.47		0.0091	0.011	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	VANADIUM	9.2		0.39	4.3905	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	ZINC	10.4		0.8	1.7562	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW8260B	ACETONE	30		2.26	5.4	ug/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW8151	PENTACHLOROPHENOL	18		1.83	18	ug/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	POTASSIUM	296	J	96.5	439.047	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	NICKEL	3.1	J	1.5	3.5124	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	MOLYBDENUM	0.41	J	0.26	0.8781	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	MANGANESE	82.1		0.17	1.3171	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	MAGNESIUM	805		42.6	439.047	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	IRON	5970		3.7	8.7809	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	COPPER	5.4		0.31	2.1952	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	ARSENIC	2.3		0.46	0.8781	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	CADMIUM	0.15	J	0.061	0.439	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	COBALT	1.7	J	0.32	4.3905	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	CALCIUM	179	J	43.2	439.047	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	BORON	1.4	J	1	8.7809	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	BERYLLIUM	0.19	J	0.088	0.439	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	BARIUM	6.4	J	1.7	17.5619	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	SODIUM	143	J	80.8	439.047	mg/Kg	L36

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15143-A	05CR-02	3/24/2004	SW6010B	CHROMIUM, TOTAL	5		0.5	0.8781	mg/Kg	L36
SS15143-A	05CR-02	3/24/2004	SW6010B	ALUMINUM	3400		5.5	17.5619	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	BERYLLIUM	0.19	J	0.092	0.4619	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	COPPER	5.7		0.32	2.3094	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	COBALT	1.7	J	0.34	4.6188	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	CHROMIUM, TOTAL	5.5		0.53	0.9238	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	CADMIUM	0.15	J	0.065	0.4619	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	POTASSIUM	293	J	102	461.877	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	MOLYBDENUM	0.95		0.28	0.9238	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	MANGANESE	84.3		0.18	1.3856	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	MAGNESIUM	873		44.8	461.877	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	IRON	5930		3.9	9.2375	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	NICKEL	4.1		1.6	3.695	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	CALCIUM	111	J	45.4	461.877	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	BARIUM	6.5	J	1.7	18.4751	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	ARSENIC	2		0.48	0.9238	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	ALUMINUM	3570		5.7	18.4751	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	E353.2	NITROGEN, NITRATE-NITRITE	0.39		0.0091	0.011	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	E350.2	NITROGEN, AMMONIA (AS N)	3		0.565	2.4	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	LYDKHN	TOTAL ORGANIC CARBON	1440		522	522	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97		0.0444	8.2	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	LEAD	12.5	J	0.24	0.2771	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	SODIUM	137	J	85	461.877	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	BORON	1.3	J	1.1	9.2375	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	ZINC	10.1		0.84	1.8475	mg/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW8270C	1,3-DIETHYL-1,3-DIPHENYL UREA	38	J	30.5	340	ug/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW8260B	ACETONE	28		1.87	4.5	ug/Kg	L36
SS15143-A	05CR-03	3/24/2004	SW6010B	VANADIUM	9.1		0.41	4.6188	mg/Kg	L36
SS15152-A	05YA-02	1/30/2004	SW8270C	DI-N-OCTYLPHTHALATE	67	J	48.4	390	ug/Kg	J41
SS15154-A	05YC-01	2/2/2004	SW8270C	SULFUR, MOL (S8)	100	NJ	100	100	ug/Kg	J39
SS15154-A	05YC-01FD	2/2/2004	SW8270C	2,4-DINITROTOLUENE	120	J	84.3	440	ug/Kg	J39
SS15154-A	05YC-01FD	2/2/2004	SW8270C	DI-N-BUTYL PHTHALATE	160	J	34.2	440	ug/Kg	J39
SS15154-A	05YC-01FD	2/2/2004	SW8270C	SULFUR, MOL (S8)	130	NJ	130	130	ug/Kg	J39
SS15155-A	05YD-01	2/2/2004	SW8270C	2,4-DINITROTOLUENE	420		75.2	400	ug/Kg	J38
SS15155-A	05YD-01	2/2/2004	SW8270C	DI-N-BUTYL PHTHALATE	550		30.5	400	ug/Kg	J38
SS15155-A	05YD-01	2/2/2004	SW8270C	N-NITROSODIPHENYLAMINE	28	J	28	400	ug/Kg	J38
SS15157-A	05YF-01	2/2/2004	SW8270C	DI-N-BUTYL PHTHALATE	260	J	37.2	480	ug/Kg	J35
SS15157-A	05YF-01	2/2/2004	SW8270C	2,4-DINITROTOLUENE	220	J	91.8	480	ug/Kg	J35
SS15157-A	05YF-02	2/2/2004	SW8270C	DI-N-BUTYL PHTHALATE	60	J	30.9	400	ug/Kg	J35
SSJ1BNP001	J1J39BNP_PE2	5/2/2007	SW8330	4-AMINO-2,6-DINITROTOLUENE	170		13	120	ug/Kg	J39
SSJ1BNP001	J1J39BNP_PE2	5/2/2007	SW6010B	LEAD	166		0.14	0.8589	mg/Kg	J39

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1BNP001	J1J39BNP_PE2	5/2/2007	SW8330	2-AMINO-4,6-DINITROTOLUENE	160		13	120	ug/Kg	J39
SSJ1BNP001	J1J39BNP_PE2	5/2/2007	SW8330	2,4,6-TRINITROTOLUENE	300		11	120	ug/Kg	J39
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	MAGNESIUM	500		11.4	440.964	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	NICKEL	3.7		0.12	3.5277	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	ZINC	15.5		0.2	1.7639	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	SELENIUM	0.36	J	0.24	3.0867	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW8270C	PHENANTHRENE	43	J	23.3	380	ug/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW8270C	NAPHTHALENE	110	J	29.1	380	ug/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	MOLYBDENUM	0.74	J	0.035	0.8819	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW8270C	FLUORANTHENE	26	J	21	380	ug/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	25	J	22.1	380	ug/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW8270C	BIPHENYL (DIPHENYL)	150	NJ			ug/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	MANGANESE	24.4		0.026	1.3229	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	CALCIUM	130	J	16.7	440.964	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	ARSENIC	4.3		0.29	0.8819	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	ALUMINUM	7860		3.3	17.6386	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	BORON	1.7	J	0.13	8.8193	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW7471A	MERCURY	0.035	J	0.017	0.0411	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	LEAD	16.6		0.31	0.8819	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW8270C	ACENAPHTHYLENE	30	J	23.3	380	ug/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	POTASSIUM	276	J	27.5	440.964	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW8270C	2-METHYLNAPHTHALENE	27	J	25.6	380	ug/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	VANADIUM	20.1		0.22	4.4096	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	CHROMIUM, TOTAL	8.2		0.079	0.8819	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	COBALT	0.78	J	0.11	4.4096	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	COPPER	14.7		0.27	2.2048	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	IRON	11400		1.6	17.6386	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	BARIUM	14.4	J	0.27	17.6386	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (post)	7/26/2007	SW6010B	CADMIUM	0.2	J	0.044	0.441	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	IRON	10800		1.6	17.2316	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	LEAD	16.8		0.3	0.8616	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	MAGNESIUM	393	J	11.1	430.789	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	MANGANESE	22		0.026	1.2924	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW7471A	MERCURY	0.046		0.018	0.0423	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	MOLYBDENUM	0.75	J	0.034	0.8616	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	POTASSIUM	269	J	26.8	430.789	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	BORON	1.8	J	0.13	8.6158	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	SELENIUM	0.31	J	0.23	3.0155	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	VANADIUM	20		0.22	4.3079	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	ZINC	12.8		0.2	1.7232	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	NICKEL	3.8		0.12	3.4463	mg/Kg	

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	CADMIUM	0.2	J	0.043	0.4308	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	CALCIUM	124	J	16.3	430.789	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	ALUMINUM	7570		3.2	17.2316	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	BARIUM	14.2	J	0.27	17.2316	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	CHROMIUM, TOTAL	7.7		0.077	0.8616	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	COBALT	0.56	J	0.11	4.3079	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	COPPER	4.7		0.27	2.1539	mg/Kg	
SSJ1G36001	ECC072407J1SUP01 (pre)	7/26/2007	SW6010B	ARSENIC	3.9		0.28	0.8616	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	0	U	70	400	ug/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW8270C	NAPHTHALENE	47	J	30.5	400	ug/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	COBALT	0.56	J	0.092	4.6194	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	COPPER	577		1.1	11.5484	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	IRON	11400		1.7	18.4775	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	LEAD	142		0.18	0.9239	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	MAGNESIUM	318	J	11.9	461.936	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	MANGANESE	25		0.018	1.3858	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	MOLYBDENUM	0.78	J	0.037	0.9239	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	POTASSIUM	242	J	13.9	461.936	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	CALCIUM	129	J	81.7	461.936	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW8270C	BENZYL BUTYL PHTHALATE	29	J	26.8	400	ug/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	CADMIUM	0.13	J	0.037	0.4619	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	ZINC	28.9		0.046	1.8477	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	VANADIUM	18.2		0.065	4.6194	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	SELENIUM	1.9	J	0.25	3.2336	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	NICKEL	3.5	J	0.074	3.6955	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW7471A	MERCURY	0.044		0.018	0.043	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	BERYLLIUM	0.081	J	0.028	0.4619	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	BARIUM	12.7	J	1	18.4775	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	ARSENIC	3.4		0.27	0.9239	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	ANTIMONY	0.63	J	0.18	5.5432	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	CHROMIUM, TOTAL	8.2		0.14	0.9239	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (post)	8/2/2007	SW6010B	ALUMINUM	7930		3.4	18.4775	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	LEAD	15		0.18	0.9261	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	NICKEL	3.9		0.074	3.7043	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	MOLYBDENUM	0.71	J	0.037	0.9261	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW7471A	MERCURY	0.046		0.017	0.0408	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	MANGANESE	41.6		0.019	1.3891	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	POTASSIUM	317	J	13.9	463.032	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	CHROMIUM, TOTAL	7.2		0.14	0.9261	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW8270C	DI-N-OCTYLPHTHALATE	50	J	16.3	420	ug/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	IRON	9080		1.7	18.5213	mg/Kg	

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SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	COPPER	5.9		0.29	2.3152	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	MAGNESIUM	389	J	11.9	463.032	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	SELENIUM	0.47	J	0.25	3.2412	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	ZINC	38.3		0.046	1.8521	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	COBALT	0.6	J	0.093	4.6303	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	CALCIUM	344	J	81.8	463.032	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	CADMIUM	0.14	J	0.037	0.463	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	BERYLLIUM	0.055	J	0.028	0.463	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	BARIUM	15.2	J	1	18.5213	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	ARSENIC	3		0.27	0.9261	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	ANTIMONY	0.45	J	0.18	5.5564	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	ALUMINUM	7570		3.4	18.5213	mg/Kg	
SSJ1G37002	ECC072507J1SUP01 (pre)	8/1/2007	SW6010B	VANADIUM	17.6		0.065	4.6303	mg/Kg	
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	MANGANESE	135		0.061	1.5186	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	COPPER	24.1		0.27	2.531	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	LEAD	11.2		0.25	1.0124	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	ZINC	13.2		0.32	2.0248	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	VANADIUM	16.3		0.2	5.0619	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	POTASSIUM	259	J	40.5	506.191	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	NICKEL	4.5		0.19	4.0495	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	MOLYBDENUM	0.53	J	0.17	1.0124	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	IRON	10100		2.9	20.2476	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	COBALT	4.5	J	0.16	5.0619	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	CHROMIUM, TOTAL	7.5		0.071	1.0124	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	CALCIUM	70.8	J	18	506.191	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	BERYLLIUM	0.36	J	0.02	0.5062	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	BARIUM	7.7	J	0.77	20.2476	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	ARSENIC	4.3		0.6	1.0124	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	ALUMINUM	5170		2.9	20.2476	mg/Kg	I30
SSJ1I30001	ECC072005J101 (post)	7/28/2005	SW6010B	MAGNESIUM	991		19.1	506.191	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	BERYLLIUM	0.41	J	0.019	0.4768	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	ARSENIC	4.6		0.56	0.9537	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	ALUMINUM	7850		2	19.0734	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	NICKEL	6.6		0.18	3.8147	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	BARIUM	11.6	J	0.72	19.0734	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	CADMIUM	0.034	J	0.029	0.4768	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	CALCIUM	92.2	J	17	476.835	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	CHROMIUM, TOTAL	10.1		0.067	0.9537	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	COBALT	5.5		0.15	4.7684	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	COPPER	6		0.26	2.3842	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	THALLIUM	0.94		0.81	2.3842	mg/Kg	I30

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	IRON	11400		2.7	19.0734	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	POTASSIUM	414	J	38.1	476.835	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	VANADIUM	17.3		0.19	4.7684	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	ZINC	19.1		0.31	1.9073	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	310	J	104	340	ug/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	MOLYBDENUM	0.63	J	0.16	0.9537	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW7471A	MERCURY	0.021	J	0.016	0.039	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	MANGANESE	122		0.057	1.4305	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	MAGNESIUM	1720		18	476.835	mg/Kg	I30
SSJ1I30001	ECC072005J101 (pre)	7/27/2005	SW6010B	LEAD	6.4		0.24	0.9537	mg/Kg	I30
SSJ1I30002	J1I30002_PE1	9/12/2006	SW6010B	COPPER	11.4		0.11	2.2365	mg/Kg	I30
SSJ1I30002	J1I30002_PE1	9/12/2006	SW6010B	LEAD	9.9		0.24	0.8946	mg/Kg	I30
SSJ1I30002	J1I30002_PE2	9/12/2006	SW6010B	LEAD	7.3		0.24	0.8987	mg/Kg	I30
SSJ1I30002	J1I30002_PE2	9/12/2006	SW6010B	COPPER	6.6		0.11	2.2467	mg/Kg	I30
SSJ1I30002	J1I30002_PE3	9/12/2006	SW6010B	COPPER	4.2		0.1	2.1828	mg/Kg	I30
SSJ1I30002	J1I30002_PE3	9/12/2006	SW6010B	LEAD	8.3		0.24	0.8731	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS1	5/26/2006	SW6010B	LEAD	10		0.23	1.0147	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS1	5/26/2006	SW6010B	COPPER	8.1		0.22	2.5367	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS2	5/26/2006	SW6010B	LEAD	7.4		0.18	0.7964	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS2	5/26/2006	SW6010B	COPPER	3.7		0.18	1.9911	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS3	5/26/2006	SW6010B	LEAD	11		0.23	0.9867	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS3	5/26/2006	SW6010B	COPPER	5.9		0.22	2.4668	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS5	5/26/2006	SW6010B	LEAD	10.3		0.27	1.169	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS5	5/26/2006	SW6010B	COPPER	4.1		0.26	2.9226	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS6	5/26/2006	SW6010B	LEAD	7.7		0.21	0.9123	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS6	5/26/2006	SW6010B	COPPER	3.9		0.2	2.2807	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS7	5/26/2006	SW6010B	LEAD	7.3		0.19	0.8072	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS7	5/26/2006	SW6010B	COPPER	3.5		0.18	2.0179	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS8	5/26/2006	SW6010B	LEAD	9.1		0.23	1.0071	mg/Kg	I30
SSJ1I30002	SSJ1I30002-SS8	5/26/2006	SW6010B	COPPER	4.4		0.22	2.5177	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	ARSENIC	5.2		0.66	1.1168	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	IRON	15000		3.1	22.3354	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX	14		3.7	13	ug/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	ALUMINUM	14700		3.2	22.3354	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	BARIUM	15.5	J	0.85	22.3354	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	BORON	1.8	J	1	11.1677	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	CADMIUM	0.24	J	0.034	0.5584	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	CALCIUM	130	J	19.9	558.385	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	CHROMIUM, TOTAL	15.7		0.078	1.1168	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	COBALT	4.7	J	0.18	5.5838	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	BERYLLIUM	0.5	J	0.022	0.5584	mg/Kg	I30

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Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	COPPER	270		0.3	2.7919	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	ZINC	32.6		0.36	2.2335	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	LEAD	53.6		0.28	1.1168	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	MAGNESIUM	1980		21.1	558.385	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	MANGANESE	104		0.067	1.6752	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW7471A	MERCURY	0.028	J	0.018	0.0422	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	MOLYBDENUM	0.68	J	0.19	1.1168	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	NICKEL	8.1		0.21	4.4671	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	POTASSIUM	569		44.7	558.385	mg/Kg	I30
SSJ1I30003	ECC072005J103 (post)	7/28/2005	SW6010B	VANADIUM	22		0.22	5.5838	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	MOLYBDENUM	0.65	J	0.19	1.1461	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	CHROMIUM, TOTAL	19		0.08	1.1461	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	ALUMINUM	15600		3.3	22.9211	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	ANTIMONY	0.75	J	0.66	6.8763	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	ARSENIC	6		0.68	1.1461	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	BARIUM	17.9	J	0.87	22.9211	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	BERYLLIUM	0.59		0.023	0.573	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	CALCIUM	84.3	J	20.4	573.027	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	COBALT	5.8		0.18	5.7303	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	COPPER	7.2		0.31	2.8651	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	IRON	17100		3.2	22.9211	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	ZINC	25.3		0.37	2.2921	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	MANGANESE	105		0.069	1.7191	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	LEAD	9		0.29	1.1461	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	VANADIUM	25.4		0.23	5.7303	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	POTASSIUM	644		45.8	573.027	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	NICKEL	9.7		0.22	4.5842	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW7471A	MERCURY	0.021	J	0.02	0.0477	mg/Kg	I30
SSJ1I30003	ECC072005J103 (pre)	7/27/2005	SW6010B	MAGNESIUM	2530		21.7	573.027	mg/Kg	I30
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.4	J	0.24	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	5	J	0.12	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.7	J	0.092	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5	J	0.15	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.4	J	0.089	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.7	J	0.15	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.1	J	0.12	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	340		0.27	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	74		0.2	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	35	J	0.15	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	28	J	0.1	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.6	J	0.14	6.2	PG/G	J37

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	CHROMIUM, TOTAL	17.3		0.17	1.1023	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8270C	BENZALDEHYDE	110	NJ			ug/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8270C	2,4,6-TRINITROTOLUENE	470	NJ			ug/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	ZINC	25.7		0.19	2.2046	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	VANADIUM	23.8		0.53	5.5115	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	THALLIUM	1.2	J	0.82	2.7557	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	POTASSIUM	686		72.8	551.146	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	NICKEL	7.3		0.5	4.4092	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	MOLYBDENUM	0.81	J	0.44	1.1023	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	MANGANESE	89.6		0.21	1.6534	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	MAGNESIUM	2170		44.7	551.146	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	LEAD	15.4		0.32	1.1023	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	IRON	18100		9.3	22.0459	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	OCTACHLORODIBENZO-P-DIOXIN	9400		0.62	12	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	COBALT	3.4	J	0.44	5.5115	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	OCTACHLORODIBENZOFURAN	65		0.36	12	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	CALCIUM	218	J	56.6	551.146	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	BORON	4.2	J	1.2	11.0229	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	BERYLLIUM	0.61		0.022	0.5511	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	BARIUM	21.8	J	1.7	22.0459	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	ARSENIC	5.9		0.57	1.1023	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	ALUMINUM	14200		6	22.0459	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160		15	120	ug/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	130		16	120	ug/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.3	J	0.17	1.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	3.4	J	0.27	1.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	2.2	J	0.08	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8330	2,4,6-TRINITROTOLUENE	560		14	120	ug/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW6010B	COPPER	7.5		0.34	2.7557	mg/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	190		0.27	6.2	PG/G	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8330	4-AMINO-2,6-DINITROTOLUENE	140		18	120	ug/Kg	J37
SSJ1J36001	J36-BNP-001 (post)	10/19/2005	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19		0.17	6.2	PG/G	J37
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	IRON	10700		6.2	17.0882	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW8270C	TERPHENYL-D14	170		0.1	0.1	ug/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW8270C	DIMETHYL PHTHALATE	84	J	20.5	380	ug/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW8270C	ACETOPHENONE	200	NJ			ug/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW8270C	2-FLUOROBIPHENYL	160		0.1	0.1	ug/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	ZINC	140		0.2	1.7088	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	VANADIUM	15.2		0.28	4.272	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	POTASSIUM	680		15.7	427.204	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	NICKEL	8		0.23	3.4176	mg/Kg	J40

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	MOLYBDENUM	0.83	J	0.19	0.8544	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	MANGANESE	119		0.051	1.2816	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	BERYLLIUM	0.28	J	0.017	0.4272	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	LEAD	11.9		0.25	0.8544	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	COPPER	873		4.8	42.7204	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	COBALT	2.9	J	0.19	4.272	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	CHROMIUM, TOTAL	15.4		0.15	0.8544	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	CALCIUM	472		13.9	427.204	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	CADMIUM	23.4		0.051	0.4272	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	ALUMINUM	10000		2.8	17.0882	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	ARSENIC	2.8		0.3	0.8544	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	BARIUM	12.7	J	0.53	17.0882	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	BORON	0.96	J	0.64	8.5441	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (post)	4/3/2007	SW6010B	MAGNESIUM	1520		13.7	427.204	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	BORON	1.7	J	0.66	8.8456	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	ALUMINUM	12000		2.8	17.6913	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	NICKEL	7		0.24	3.5383	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	LEAD	8.2		0.26	0.8846	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	IRON	11300		6.4	17.6913	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	COPPER	8.2		0.25	2.2114	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	BARIUM	15.3	J	0.55	17.6913	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	MANGANESE	62.5		0.053	1.3268	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	ARSENIC	3.7		0.31	0.8846	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	MAGNESIUM	1290		14.2	442.282	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	COBALT	2.5	J	0.19	4.4228	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	ZINC	16.6	J	0.2	1.7691	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	POTASSIUM	516		16.3	442.282	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	CHROMIUM, TOTAL	13.6		0.16	0.8846	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	CALCIUM	183	J	14.4	442.282	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	CADMIUM	0.79		0.053	0.4423	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	VANADIUM	20		0.29	4.4228	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	BERYLLIUM	0.28	J	0.018	0.4423	mg/Kg	J40
SSJ1J40001	ECC032707J1SUP01 (pre)	4/3/2007	SW6010B	MOLYBDENUM	1		0.19	0.8846	mg/Kg	J40
SSJ1J40001	J1J40001_SS2	7/16/2007	SW6010B	CADMIUM	0.033	J	0.03	0.3721	mg/Kg	J40
SSJ1J40001	J1J40001_SS3	7/16/2007	SW6010B	CADMIUM	0.034	J	0.031	0.3827	mg/Kg	J40
SSJ1J40001	J1J40001_SS4	7/16/2007	SW6010B	CADMIUM	0.11	J	0.03	0.3717	mg/Kg	J40
SSJ1J40001	J1J40001_SS6	7/16/2007	SW6010B	CADMIUM	0.033	J	0.032	0.3983	mg/Kg	J40
SSJ1J40001	J1J40001_SS7	7/16/2007	SW6010B	CADMIUM	0.049	J	0.032	0.4006	mg/Kg	J40
SSJ1J40001	J1J40001_SS8	7/16/2007	SW6010B	CADMIUM	0.032	J	0.029	0.3604	mg/Kg	J40
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	CADMIUM	0.71		0.029	0.4772	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	NICKEL	5.6		0.18	3.8174	mg/Kg	K34

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	CHROMIUM, TOTAL	11.8		0.067	0.9543	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	IRON	11800		2.7	19.0869	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	ZINC	14.1		0.31	1.9087	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	POTASSIUM	331	J	38.2	477.172	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	MOLYBDENUM	0.58	J	0.16	0.9543	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW7471A	MERCURY	0.017	J	0.017	0.0397	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	MANGANESE	65		0.057	1.4315	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	MAGNESIUM	1290		18	477.172	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	ALUMINUM	10700		2.8	19.0869	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	ARSENIC	3.4		0.56	0.9543	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	BARIUM	14.6	J	0.73	19.0869	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	BERYLLIUM	0.32	J	0.019	0.4772	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	CALCIUM	122	J	17	477.172	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	LEAD	7.1		0.24	0.9543	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	VANADIUM	17.8		0.19	4.7717	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	COPPER	25.9		0.26	2.3859	mg/Kg	K34
SSJ1K34001	ECC072205J101 (post)	7/27/2005	SW6010B	COBALT	2.9	J	0.15	4.7717	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	ZINC	22		0.31	1.9635	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	MAGNESIUM	1330		18.6	490.87	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	MANGANESE	54.3		0.059	1.4726	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW7471A	MERCURY	0.037	J	0.018	0.0432	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	MOLYBDENUM	0.43	J	0.17	0.9817	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	NICKEL	6		0.19	3.927	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	VANADIUM	15.1		0.2	4.9087	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	LEAD	116		0.25	0.9817	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	CADMIUM	2.1		0.029	0.4909	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	POTASSIUM	376	J	39.3	490.87	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	BARIUM	14.7	J	0.75	19.6348	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	CHROMIUM, TOTAL	10.6		0.069	0.9817	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	ARSENIC	2.6		0.58	0.9817	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	IRON	9660		2.8	19.6348	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	BERYLLIUM	0.3	J	0.02	0.4909	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	CALCIUM	161	J	17.5	490.87	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	COBALT	3	J	0.16	4.9087	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	COPPER	624		0.27	2.4543	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW9012A	CYANIDE	1.6		0.45	0.45	mg/Kg	K34
SSJ1K34001	ECC072205J101 (pre)	7/28/2005	SW6010B	ALUMINUM	8680		2.9	19.6348	mg/Kg	K34
SSJ1K36001	K36-BLP-001 (post)	9/22/2005	E331.0	PERCHLORATE	2.6		0.107	0.89	ug/Kg	K36
SSJ1K40001	J1K40001_02_PE1	12/12/2006	SW6010B	COPPER	6		0.17	2.0661	mg/Kg	K40
SSJ1K40001	J1K40001_02_PE2	12/12/2006	SW6010B	COPPER	51.5		0.17	1.9685	mg/Kg	K40
SSJ1K40001	J1K40001_02_PE3	12/12/2006	SW6010B	COPPER	6		0.16	1.9841	mg/Kg	K40

J - Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K40001	J1K40001_PE5	3/5/2007	SW6010B	COPPER	7		0.25	2.2018	mg/Kg	K40
SSJ1K40001	J1K40001_PE6	3/5/2007	SW6010B	COPPER	5.6		0.27	2.3866	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	BARIUM	20.3	J	0.65	20.9565	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	ZINC	15.7		0.24	2.0956	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	CHROMIUM, TOTAL	10.1		0.19	1.0478	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	COBALT	1.2	J	0.23	5.2391	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	COPPER	4.6		0.29	2.6196	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	IRON	13200		7.6	20.9565	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	MAGNESIUM	330	J	15.9	493.974	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW7471A	MERCURY	0.057		0.021	0.0503	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	MOLYBDENUM	1	J	0.23	1.0478	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	NICKEL	5.4		0.28	4.1913	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	POTASSIUM	340	J	19.3	523.911	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	CALCIUM	558		17	523.911	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	VANADIUM	25.7		0.35	5.2391	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	LEAD	25.3		0.3	1.0478	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8270C	FLUORANTHENE	38	J	24.9	460	ug/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8270C	PHENANTHRENE	31	J	27.7	460	ug/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8270C	PYRENE	35	J	31.8	460	ug/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8260B	1,2,4-TRICHLOROBENZENE	4.6	J	1.04	12	ug/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8260B	1,4-DICHLOROBENZENE	3.5	J	0.794	12	ug/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8260B	ACETONE	250		1.12	12	ug/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8260B	METHYL ETHYL KETONE (2-BUTANONE)	9.9	J	2.73	12	ug/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	9.7		0.38	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	ALUMINUM	10300		3.4	20.9565	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	SELENIUM	0.54	J	0.33	3.4578	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	2.5	J	0.22	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.2	J	0.15	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.5	J	0.24	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.6	J	0.15	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.54	J	0.17	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.8	J	0.47	1.4	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	22		0.38	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	MANGANESE	24.7		0.063	1.5717	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	6.8	J	0.19	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	CADMIUM	0.35	J	0.063	0.5239	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	2.4	J	0.17	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	OCTACHLORODIBENZO-P-DIOXIN	400		0.54	14	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	OCTACHLORODIBENZOFURAN	6.3	J	0.29	14	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	10		0.28	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	8.9		0.59	1.4	PG/G	K40

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Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	29		0.48	1.4	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	E331.0	PERCHLORATE	0.36	J	0.333	1.1	ug/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	BORON	2	J	0.74	9.8795	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	ARSENIC	4.4		0.37	1.0478	mg/Kg	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1.2	J	0.32	7.1	PG/G	K40
SSJ1K40BLP001	J1K40BLP_D	3/29/2007	SW6010B	BERYLLIUM	0.17	J	0.021	0.5239	mg/Kg	K40
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	VANADIUM	16.6		0.21	4.2405	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	IRON	10700		1.6	16.9621	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	LEAD	10		0.3	0.8481	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	MAGNESIUM	1180		10.9	424.052	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	MANGANESE	63.3		0.025	1.2722	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW7471A	MERCURY	0.02	J	0.016	0.0389	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	MOLYBDENUM	0.72	J	0.14	0.8481	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	ZINC	70.5		0.2	1.6962	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	POTASSIUM	445		26.4	424.052	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW8270C	BENZO(A)PYRENE	39	J	17.6	360	ug/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	BERYLLIUM	0.32	J	0.017	0.4241	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	120	J	20.9	360	ug/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	COPPER	6.4		0.26	2.1203	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	NICKEL	5.7		0.12	3.3924	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW8270C	CHRYSENE	29	J	26.5	360	ug/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	CHROMIUM, TOTAL	11.1		0.076	0.8481	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	CALCIUM	176	J	16	424.052	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	BORON	1.6	J	0.77	8.481	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	BARIUM	13.7	J	0.26	16.9621	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	ARSENIC	3.7		0.28	0.8481	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	ALUMINUM	8960		3.1	16.9621	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	COBALT	2	J	0.11	4.2405	mg/Kg	
SSJ1L44BLP01	J1APA44BLP01_PE	7/26/2007	SW6010B	CADMIUM	0.36	J	0.042	0.4241	mg/Kg	
SSJ1RD010	J1RD010_PE1	10/4/2006	SW6010B	COPPER	5		0.16	2.0061	mg/Kg	J32
SSJ1RD010	J1RD010_PE2	10/4/2006	SW6010B	COPPER	4		0.16	1.9576	mg/Kg	J32
SSJ1RD010	J1RD010_PE3	10/4/2006	SW6010B	COPPER	4.6		0.16	1.9577	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	MAGNESIUM	930		23.7	563.196	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	IRON	7780		4.3	11.2639	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	VANADIUM	13.7		0.3	5.632	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	POTASSIUM	383	J	47.8	563.196	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	NICKEL	3.8	J	0.34	4.5056	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	MANGANESE	51.3		0.079	1.6896	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	LEAD	5	J	0.33	0.3379	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	ZINC	11.7	J	0.18	2.2528	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	ALUMINUM	5240		9.9	22.5279	mg/Kg	J32

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	COBALT	2.3	J	0.3	5.632	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	CHROMIUM, TOTAL	7.3	J	0.14	1.1264	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	CALCIUM	71.2	J	23.8	563.196	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	BORON	2.4	J	0.53	11.2639	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	BERYLLIUM	0.21	J	0.022	0.5632	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	BARIUM	8.3	J	0.95	22.5279	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	ARSENIC	2.5	J	0.47	1.1264	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	MOLYBDENUM	0.59	J	0.23	1.1264	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS1	4/11/2005	SW6010B	COPPER	5.4		0.29	2.816	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	LEAD	5.2		0.25	0.2612	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	MAGNESIUM	1560		18.3	435.256	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	MANGANESE	84.8		0.061	1.3058	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	MOLYBDENUM	0.32	J	0.17	0.8705	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	NICKEL	7.2		0.26	3.482	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	IRON	11200		3.3	8.7051	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	VANADIUM	15.9		0.23	4.3526	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	BERYLLIUM	0.36	J	0.017	0.4353	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	POTASSIUM	582		37	435.256	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	COPPER	5.6		0.23	2.1763	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	COBALT	4	J	0.23	4.3526	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	CHROMIUM, TOTAL	10.5		0.1	0.8705	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	BORON	3.9	J	0.41	8.7051	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	BARIUM	12.1	J	0.73	17.4102	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	ARSENIC	3.9		0.37	0.8705	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	ALUMINUM	8140		7.7	17.4102	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	ZINC	49.8		0.14	1.741	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS2	4/11/2005	SW6010B	CALCIUM	118	J	18.4	435.256	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	MANGANESE	101		0.065	1.389	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	LEAD	5.7		0.27	0.2778	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	ZINC	17.6		0.15	1.852	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	VANADIUM	16.8		0.25	4.6299	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	POTASSIUM	599		39.3	462.989	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	MOLYBDENUM	0.39	J	0.19	0.926	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	MAGNESIUM	1690		19.5	462.989	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	ALUMINUM	9290		8.1	18.5195	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	ARSENIC	4.4		0.39	0.926	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	COPPER	6.2		0.24	2.3149	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	NICKEL	7.5		0.28	3.7039	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	IRON	12000		3.5	9.2598	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	BARIUM	11.7	J	0.78	18.5195	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	COBALT	4.9		0.25	4.6299	mg/Kg	J32

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	CHROMIUM, TOTAL	11.6		0.11	0.926	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	CALCIUM	110	J	19.5	462.989	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	BORON	4.3	J	0.44	9.2598	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS3	4/11/2005	SW6010B	BERYLLIUM	0.4	J	0.018	0.463	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	LEAD	6		0.32	0.3339	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	BERYLLIUM	0.19	J	0.022	0.5564	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	VANADIUM	13.3		0.3	5.5645	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	POTASSIUM	340	J	47.3	556.446	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	NICKEL	4.8		0.33	4.4516	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	MOLYBDENUM	0.58	J	0.22	1.1129	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	MANGANESE	75.3		0.078	1.6693	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	MAGNESIUM	1040		23.4	556.446	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	ZINC	14.7		0.18	2.2258	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	ARSENIC	2.7		0.47	1.1129	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	CALCIUM	166	J	23.5	556.446	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	ALUMINUM	5670		9.8	22.2578	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	IRON	7700		4.2	11.1289	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	BARIUM	8.8	J	0.93	22.2578	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	BORON	2.5	J	0.52	11.1289	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	CHROMIUM, TOTAL	8.7		0.13	1.1129	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	COBALT	2.3	J	0.3	5.5645	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS4	4/11/2005	SW6010B	COPPER	8.4		0.29	2.7822	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	BERYLLIUM	0.32	J	0.02	0.5012	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	IRON	11800		3.8	10.0241	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	VANADIUM	17.9		0.27	5.012	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	POTASSIUM	468	J	42.6	501.203	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	NICKEL	6.2		0.3	4.0096	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	MANGANESE	81.2		0.07	1.5036	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	MAGNESIUM	1590		21.1	501.203	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	LEAD	6.4		0.29	0.3007	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	ZINC	19.9		0.16	2.0048	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	ARSENIC	3.4		0.42	1.0024	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	COBALT	3.5	J	0.27	5.012	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	CHROMIUM, TOTAL	12		0.12	1.0024	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	ALUMINUM	10100		8.8	20.0481	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	BORON	3.7	J	0.47	10.0241	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	BARIUM	13.1	J	0.84	20.0481	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	CALCIUM	101	J	21.2	501.203	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS5	4/11/2005	SW6010B	COPPER	4.6		0.26	2.506	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	IRON	14100		4.3	11.3867	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	MAGNESIUM	1820		23.9	569.333	mg/Kg	J32

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Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	MANGANESE	128		0.08	1.708	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	MOLYBDENUM	0.5	J	0.23	1.1387	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	NICKEL	6.8		0.34	4.5547	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	VANADIUM	21		0.31	5.6933	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	COPPER	5.6		0.3	2.8467	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	ZINC	22.9		0.18	2.2773	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	POTASSIUM	586		48.3	569.333	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	CHROMIUM, TOTAL	13.8		0.14	1.1387	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	CALCIUM	153	J	24	569.333	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	BORON	4.5	J	0.54	11.3867	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	BERYLLIUM	0.39	J	0.023	0.5693	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	BARIUM	12.3	J	0.96	22.7733	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	ARSENIC	4.7		0.48	1.1387	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	ALUMINUM	10900		10	22.7733	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	COBALT	4.1	J	0.31	5.6933	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS6	4/11/2005	SW6010B	LEAD	7.1		0.33	0.3416	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	MOLYBDENUM	0.35	J	0.18	0.922	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	LEAD	5.7		0.27	0.2766	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	MAGNESIUM	1440		19.4	461.008	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	MANGANESE	71.9		0.065	1.383	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	NICKEL	6.3		0.28	3.6881	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	SELENIUM	0.44	J	0.39	0.461	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	VANADIUM	17.1		0.25	4.6101	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	IRON	11200		3.5	9.2202	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	ZINC	19.5		0.15	1.844	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	BARIUM	11.1	J	0.77	18.4403	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	ARSENIC	4		0.39	0.922	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	BERYLLIUM	0.36	J	0.018	0.461	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	ALUMINUM	9200		8.1	18.4403	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	BORON	3.6	J	0.43	9.2202	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	COPPER	5		0.24	2.305	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	CALCIUM	114	J	19.5	461.008	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	CHROMIUM, TOTAL	11.7		0.11	0.922	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	COBALT	3.6	J	0.25	4.6101	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS7	4/11/2005	SW6010B	POTASSIUM	484		39.1	461.008	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	COPPER	5.6		0.24	2.3102	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	IRON	8180		3.5	9.2409	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	ZINC	13		0.15	1.8482	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	VANADIUM	13.4		0.25	4.6205	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	POTASSIUM	337	J	39.2	462.047	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	NICKEL	4.3		0.28	3.6964	mg/Kg	J32

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	MOLYBDENUM	0.35	J	0.18	0.9241	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	MANGANESE	57.4		0.065	1.3861	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	MAGNESIUM	997		19.4	462.047	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	ARSENIC	2.7		0.39	0.9241	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	LEAD	5.6		0.27	0.2772	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	ALUMINUM	5660		8.1	18.4819	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	BARIUM	7.2	J	0.78	18.4819	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	BERYLLIUM	0.22	J	0.018	0.462	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	BORON	2.6	J	0.43	9.2409	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	CALCIUM	66.4	J	19.5	462.047	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	CHROMIUM, TOTAL	7.7		0.11	0.9241	mg/Kg	J32
SSJ1RD010	SSJ1RD010-SS8	4/11/2005	SW6010B	COBALT	2.2	J	0.25	4.6205	mg/Kg	J32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	SELENIUM	0.57		0.37	0.5135	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	LEAD	58.7		0.17	0.3081	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	SODIUM	51.4	J	17.7	513.537	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	ALUMINUM	3720		1.8	20.5415	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	POTASSIUM	260	J	11.2	513.537	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	NICKEL	2.8	J	0.14	4.1083	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	MOLYBDENUM	0.21	J	0.1	1.0271	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	MANGANESE	70		0.2	1.5406	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	MAGNESIUM	519		9.3	513.537	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	ZINC	10.7		0.15	2.0541	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	ARSENIC	2.7		0.27	1.0271	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	COPPER	308		0.072	2.5677	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	COBALT	2.3	J	0.11	5.1354	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	CHROMIUM, TOTAL	4.3		0.082	1.0271	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	CALCIUM	84.3	J	13	513.537	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	CADMIUM	2.2		0.031	0.5135	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	BORON	2.9	J	0.18	10.2707	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	BERYLLIUM	0.3	J	0.021	0.5135	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	BARIUM	5.6	J	0.12	20.5415	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	IRON	6610		2	10.2707	mg/Kg	K32
SSJ1RD012	ECC050304J101 (post_c)	5/6/2004	SW6010B	VANADIUM	10.2		0.14	5.1354	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	MAGNESIUM	463	J	9.2	508.751	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	SODIUM	39.1	J	17.6	508.751	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	MANGANESE	67		0.19	1.5263	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	NICKEL	2.6	J	0.14	4.07	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	POTASSIUM	217	J	11.1	508.751	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	LEAD	3.6		0.17	0.3053	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	VANADIUM	9.2		0.14	5.0875	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	MOLYBDENUM	0.36	J	0.1	1.0175	mg/Kg	K32

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Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	ZINC	6.8		0.15	2.035	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	ALUMINUM	2810		1.8	20.35	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	IRON	5570		2	10.175	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	ARSENIC	2		0.26	1.0175	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	BARIUM	4.9	J	0.12	20.35	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	BERYLLIUM	0.26	J	0.02	0.5088	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	BORON	3.3	J	0.18	10.175	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	CADMIUM	0.052	J	0.03	0.5088	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	CALCIUM	65.8	J	12.9	508.751	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	CHROMIUM, TOTAL	3.9		0.081	1.0175	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	COBALT	2.6	J	0.11	5.0875	mg/Kg	K32
SSJ1RD012	ECC050304J101 (pre)	5/6/2004	SW6010B	COPPER	5.5		0.071	2.5438	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	MANGANESE	137		0.18	1.3973	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	CHROMIUM, TOTAL	9.5		0.074	0.9315	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	ALUMINUM	7770		1.6	18.6306	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	ARSENIC	3.7		0.24	0.9315	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	BARIUM	12	J	0.11	18.6306	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	BERYLLIUM	0.39	J	0.019	0.4658	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	BORON	5.1	J	0.17	9.3153	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	CADMIUM	0.11	J	0.028	0.4658	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	CALCIUM	241	J	11.8	465.766	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW9012A	CYANIDE	0.82		0.52	0.52	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	COBALT	4.3	J	0.1	4.6577	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	COPPER	255		0.065	2.3288	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	IRON	10300		1.8	9.3153	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	MAGNESIUM	1210		8.4	465.766	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	MOLYBDENUM	0.24	J	0.093	0.9315	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	NICKEL	5.9		0.13	3.7261	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	POTASSIUM	550		10.2	465.766	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	SODIUM	33.7	J	16.1	465.766	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	VANADIUM	16		0.13	4.6577	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	ZINC	25.5		0.14	1.8631	mg/Kg	K32
SSJ1RD013	ECC050304J102 (post_c)	5/6/2004	SW6010B	LEAD	46.9		0.16	0.2795	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	CADMIUM	0.084	J	0.03	0.4935	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	NICKEL	4.7		0.14	3.9483	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	ALUMINUM	4960		1.7	19.7414	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	BERYLLIUM	0.31	J	0.02	0.4935	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	ZINC	11.5		0.15	1.9741	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	VANADIUM	12.7		0.14	4.9353	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	POTASSIUM	363	J	10.8	493.535	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	MOLYBDENUM	0.14	J	0.099	0.9871	mg/Kg	K32

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	MANGANESE	105		0.19	1.4806	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	MAGNESIUM	813		8.9	493.535	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	BARIUM	7.4	J	0.12	19.7414	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	SODIUM	44.1	J	17	493.535	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	ARSENIC	2.6		0.26	0.9871	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	LEAD	5.3		0.17	0.2961	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	BORON	4.3	J	0.18	9.8707	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	CALCIUM	200	J	12.5	493.535	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	CHROMIUM, TOTAL	6.4		0.079	0.9871	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	COBALT	3.8	J	0.11	4.9353	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	COPPER	46		0.069	2.4677	mg/Kg	K32
SSJ1RD013	ECC050304J102 (pre)	5/6/2004	SW6010B	IRON	7850		1.9	9.8707	mg/Kg	K32
SSJ1RD014	J1RD014_PE1	10/4/2006	SW6010B	COPPER	5.1		0.16	1.9493	mg/Kg	J30
SSJ1RD014	J1RD014_PE2	10/4/2006	SW6010B	COPPER	6.7		0.16	1.9869	mg/Kg	J30
SSJ1RD014	J1RD014_PE3	10/4/2006	SW6010B	COPPER	3.9		0.16	1.9622	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	COPPER	8.4		0.3	2.9086	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	CHROMIUM, TOTAL	13.8		0.14	1.1635	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	ALUMINUM	9430		10.2	23.2691	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	ARSENIC	4.1		0.49	1.1635	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	BARIUM	12.3	J	0.98	23.2691	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	BORON	4	J	0.55	11.6345	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	COBALT	3.1	J	0.31	5.8173	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	LEAD	8.5		0.34	0.349	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	VANADIUM	19.5		0.31	5.8173	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	MAGNESIUM	1330		24.5	581.727	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	BERYLLIUM	0.41	J	0.023	0.5817	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	MANGANESE	64.8		0.081	1.7452	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	MOLYBDENUM	0.78	J	0.23	1.1635	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	NICKEL	7		0.35	4.6538	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	IRON	13100		4.4	11.6345	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	POTASSIUM	391	J	49.4	581.727	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	SELENIUM	0.55	J	0.44	0.5817	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS1	4/11/2005	SW6010B	ZINC	16		0.19	2.3269	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	BARIUM	11.5	J	0.79	18.7815	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	MAGNESIUM	1450		19.7	469.537	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	LEAD	7.1		0.27	0.2817	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	IRON	12100		3.6	9.3907	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	ANTIMONY	0.74	J	0.39	5.6344	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	ZINC	16.5		0.15	1.8781	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	BERYLLIUM	0.35	J	0.019	0.4695	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	BORON	3.8	J	0.44	9.3907	mg/Kg	J30

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	CHROMIUM, TOTAL	11.5		0.11	0.9391	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	COBALT	3.9	J	0.25	4.6954	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	ARSENIC	4		0.39	0.9391	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	VANADIUM	18.3		0.25	4.6954	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	MOLYBDENUM	0.54	J	0.19	0.9391	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	NICKEL	6.2		0.28	3.7563	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	POTASSIUM	459	J	39.9	469.537	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	SELENIUM	0.37	J	0.36	0.4695	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	ALUMINUM	9710		8.3	18.7815	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	COPPER	4.8		0.24	2.3477	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS2	4/12/2005	SW6010B	MANGANESE	92.8		0.066	1.4086	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	ZINC	15.2		0.15	1.9185	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	VANADIUM	18.4		0.26	4.7963	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	SELENIUM	0.5		0.36	0.4796	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	POTASSIUM	484		40.7	479.63	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	NICKEL	7		0.29	3.837	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	ALUMINUM	10600		8.4	19.1852	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	MANGANESE	83.4		0.067	1.4389	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	MAGNESIUM	1550		20.2	479.63	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	LEAD	6.4		0.28	0.2878	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	IRON	11800		3.6	9.5926	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	COPPER	4.7		0.25	2.3982	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	COBALT	4	J	0.26	4.7963	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	CHROMIUM, TOTAL	12.7		0.12	0.9593	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	BORON	4	J	0.45	9.5926	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	BERYLLIUM	0.36	J	0.019	0.4796	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	BARIUM	12.1	J	0.81	19.1852	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	MOLYBDENUM	0.49	J	0.19	0.9593	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	ANTIMONY	0.6	J	0.39	5.7556	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS3	4/12/2005	SW6010B	ARSENIC	3.9		0.4	0.9593	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	LEAD	6.1		0.29	0.3012	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	COPPER	4.8		0.26	2.5103	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	ALUMINUM	4790		8.8	20.0823	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	ANTIMONY	0.58	J	0.41	6.0247	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	ARSENIC	2.8		0.42	1.0041	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	BARIUM	6.1	J	0.84	20.0823	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	BERYLLIUM	0.19	J	0.02	0.5021	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	BORON	2.9	J	0.47	10.0412	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	MANGANESE	46.8		0.07	1.5062	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	COBALT	1.8	J	0.27	5.0206	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	ZINC	9.7		0.16	2.0082	mg/Kg	J30

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	IRON	7700		3.8	10.0412	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	MAGNESIUM	758		21.1	502.058	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	MOLYBDENUM	0.46	J	0.2	1.0041	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	NICKEL	3.8	J	0.3	4.0165	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	POTASSIUM	298	J	42.6	502.058	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	VANADIUM	16.3		0.27	5.0206	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS4	4/11/2005	SW6010B	CHROMIUM, TOTAL	7.4		0.12	1.0041	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	ARSENIC	3.5		0.48	1.1507	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	MAGNESIUM	1480		24.2	575.374	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	ALUMINUM	8940		10.1	23.015	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	BARIUM	11.2	J	0.97	23.015	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	BORON	3.5	J	0.54	11.5075	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	CHROMIUM, TOTAL	12.1		0.14	1.1507	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	COBALT	3.6	J	0.31	5.7537	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	COPPER	7.9		0.3	2.8769	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	BERYLLIUM	0.3	J	0.023	0.5754	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	LEAD	8.1		0.33	0.3452	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	MANGANESE	81.2		0.081	1.7261	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	MOLYBDENUM	0.41	J	0.23	1.1507	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	NICKEL	6.8		0.35	4.603	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	POTASSIUM	408	J	48.9	575.374	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	VANADIUM	19.9		0.31	5.7537	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	ZINC	16.8		0.18	2.3015	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS5	4/11/2005	SW6010B	IRON	11500		4.4	11.5075	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	ZINC	18.4		0.16	1.9908	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	VANADIUM	22.8		0.27	4.9769	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	COBALT	4.7	J	0.27	4.9769	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	SELENIUM	0.64		0.38	0.4977	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	POTASSIUM	505		42.3	497.691	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	NICKEL	8		0.3	3.9815	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	MOLYBDENUM	0.53	J	0.2	0.9954	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW7471A	MERCURY	0.024	J	0.019	0.0446	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	MANGANESE	93.1		0.07	1.4931	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	MAGNESIUM	1880		20.9	497.691	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	LEAD	7.9		0.29	0.2986	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	BORON	4.2	J	0.47	9.9538	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	COPPER	5.1		0.26	2.4885	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	ALUMINUM	12900		8.8	19.9076	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	ANTIMONY	0.78	J	0.41	5.9723	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	ARSENIC	4.7		0.42	0.9954	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	BARIUM	17.5	J	0.84	19.9076	mg/Kg	J30

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	BERYLLIUM	0.44	J	0.02	0.4977	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	CHROMIUM, TOTAL	15.3		0.12	0.9954	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS7	4/12/2005	SW6010B	IRON	14600		3.8	9.9538	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	COBALT	3.9	J	0.28	5.2015	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	BORON	3.7	J	0.49	10.403	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	BERYLLIUM	0.33	J	0.021	0.5202	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	BARIUM	11.6	J	0.87	20.806	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	IRON	12100		3.9	10.403	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	ANTIMONY	0.73	J	0.43	6.2418	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	POTASSIUM	440	J	44.2	520.151	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	ARSENIC	3.8		0.44	1.0403	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	LEAD	7.4		0.3	0.3121	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	MAGNESIUM	1430		21.9	520.151	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	MANGANESE	77.9		0.073	1.5605	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	ZINC	15.8		0.17	2.0806	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	NICKEL	7.3		0.31	4.1612	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	SELENIUM	0.66		0.4	0.5202	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	VANADIUM	20.5		0.28	5.2015	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	ALUMINUM	10300		9.2	20.806	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	CHROMIUM, TOTAL	13.6		0.12	1.0403	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	MOLYBDENUM	0.67	J	0.21	1.0403	mg/Kg	J30
SSJ1RD014	SSJ1RD014-SS8	4/11/2005	SW6010B	COPPER	5.4		0.27	2.6008	mg/Kg	J30
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	CADMIUM	5.7		0.031	0.5159	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	POTASSIUM	596	J	11.3	515.873	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	100	J	97.8	350	ug/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW8270C	ACENAPHTHYLENE	19	J	21.7	350	ug/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	ZINC	30.4		0.15	2.0635	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	VANADIUM	14.3		0.14	5.1587	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	ANTIMONY	0.33	J	0.28	6.1905	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	ARSENIC	2.5		0.27	1.0317	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	BARIUM	14.8	J	0.12	20.6349	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	BERYLLIUM	0.3	J	0.021	0.5159	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW8270C	PHENANTHRENE	28	J	27.9	350	ug/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW9012A	CYANIDE	1.1		0.5	0.5	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW8270C	PYRENE	19	J	79.9	350	ug/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	CALCIUM	326	J	13.1	515.873	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	CHROMIUM, TOTAL	10.1		0.083	1.0317	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	COBALT	3.4	J	0.11	5.1587	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	COPPER	478	J	0.072	2.5794	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	IRON	9240		2	10.3175	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	LEAD	122		0.18	0.3095	mg/Kg	J34

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	MAGNESIUM	1410		9.3	515.873	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	MANGANESE	100		0.2	1.5476	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	NICKEL	5.7		0.14	4.127	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	BORON	6.3	J	0.19	10.3175	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	ALUMINUM	7210		1.8	20.6349	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW6010B	SELENIUM	0.8		0.37	0.5159	mg/Kg	J34
SSJ1RD016	ECC051204J101 (post_c)	5/20/2004	SW8270C	NAPHTHALENE	31	J	31.7	350	ug/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	CHROMIUM, TOTAL	12.9		0.078	0.9735	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	IRON	12400		1.9	9.7352	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	LEAD	6.7		0.17	0.2921	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	MAGNESIUM	1730		8.8	486.76	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	MANGANESE	142		0.18	1.4603	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW7471A	MERCURY	0.016	J	0.014	0.0338	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	NICKEL	7.4		0.14	3.8941	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	POTASSIUM	635	J	10.6	486.76	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	VANADIUM	19.2		0.14	4.8676	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	ZINC	17.8		0.15	1.947	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	280	J	95.8	340	ug/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	COPPER	12.3	J	0.068	2.4338	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	CALCIUM	196	J	12.3	486.76	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	CADMIUM	0.18	J	0.029	0.4868	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	BORON	4.7	J	0.18	9.7352	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	BERYLLIUM	0.37	J	0.019	0.4868	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	BARIUM	12.8	J	0.12	19.4704	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	ARSENIC	3.8		0.25	0.9735	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	ANTIMONY	0.44	J	0.26	5.8411	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	ALUMINUM	9310		1.7	19.4704	mg/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX	60		1.24	13	ug/Kg	J34
SSJ1RD016	ECC051204J101 (pre)	5/20/2004	SW6010B	COBALT	4.9		0.11	4.8676	mg/Kg	J34
SSJ1RD017	J1RD017_PE1	10/4/2006	SW6010B	LEAD	6.3		0.21	0.7612	mg/Kg	J30
SSJ1RD017	J1RD017_PE1	10/4/2006	SW6010B	COPPER	5.1		0.15	1.9029	mg/Kg	J30
SSJ1RD017	J1RD017_PE2	10/4/2006	SW6010B	LEAD	6.1		0.21	0.7667	mg/Kg	J30
SSJ1RD017	J1RD017_PE2	10/4/2006	SW6010B	COPPER	6.8		0.15	1.9168	mg/Kg	J30
SSJ1RD017	J1RD017_PE3	10/4/2006	SW6010B	LEAD	6		0.23	0.832	mg/Kg	J30
SSJ1RD017	J1RD017_PE3	10/4/2006	SW6010B	COPPER	5.6		0.17	2.0799	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	MANGANESE	93.1		0.078	1.6739	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	VANADIUM	22.6		0.3	5.5797	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	POTASSIUM	682		47.4	557.973	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	NICKEL	7.5		0.39	4.4638	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	ZINC	19.5		0.83	2.2319	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW7471A	MERCURY	0.018	J	0.018	0.0431	mg/Kg	J30

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	COBALT	5.2	J	0.3	5.5797	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	MAGNESIUM	1860		23.5	557.973	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	LEAD	7.8		0.32	0.3348	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	IRON	15200		4.2	11.1595	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	COPPER	5.7		0.29	2.7899	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	ALUMINUM	13500		9.8	22.3189	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	ARSENIC	5.5		0.5	1.1159	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	BARIUM	15.6	J	0.94	22.3189	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	BERYLLIUM	0.42	J	0.022	0.558	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	CALCIUM	136	J	23.6	557.973	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	CHROMIUM, TOTAL	15.4		0.13	1.1159	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS1	4/12/2005	SW6010B	MOLYBDENUM	0.67	J	0.22	1.1159	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	CALCIUM	91.2	J	18.3	434.311	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	IRON	8820		3.3	8.6862	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	COBALT	2.9	J	0.23	4.3431	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	VANADIUM	13.4		0.23	4.3431	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	POTASSIUM	427	J	36.9	434.311	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	NICKEL	4.2		0.3	3.4745	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	MOLYBDENUM	0.46	J	0.17	0.8686	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	MANGANESE	67.2		0.061	1.3029	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	LEAD	5.3		0.25	0.2606	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	ZINC	11.2		0.64	1.7372	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	COPPER	3.9		0.23	2.1716	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	CHROMIUM, TOTAL	8.4		0.1	0.8686	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	BERYLLIUM	0.29	J	0.017	0.4343	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	BARIUM	10.4	J	0.73	17.3724	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	ARSENIC	3.2		0.39	0.8686	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	ANTIMONY	0.44	J	0.36	5.2117	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	ALUMINUM	7110		7.6	17.3724	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2	4/11/2005	SW6010B	MAGNESIUM	988		18.3	434.311	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	ANTIMONY	0.41	J	0.4	5.9224	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	COPPER	4.7		0.26	2.4677	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	VANADIUM	17.4		0.27	4.9353	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	POTASSIUM	489	J	41.9	493.535	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	NICKEL	5.6		0.35	3.9483	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	MOLYBDENUM	0.61	J	0.2	0.9871	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	MANGANESE	91		0.069	1.4806	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	MAGNESIUM	1520		20.7	493.535	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	ALUMINUM	9360		8.7	19.7414	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	IRON	11700		3.7	9.8707	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	ZINC	14		0.73	1.9741	mg/Kg	J30

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	COBALT	4.3	J	0.27	4.9353	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	CHROMIUM, TOTAL	11.1		0.12	0.9871	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	CALCIUM	85.7	J	20.8	493.535	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	BERYLLIUM	0.34	J	0.02	0.4935	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	BARIUM	12.2	J	0.83	19.7414	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	ARSENIC	3.3	J	0.44	0.9871	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS2FD	4/11/2005	SW6010B	LEAD	5.9		0.29	0.2961	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	NICKEL	4.4		0.35	3.9661	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	CALCIUM	128	J	20.9	495.766	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	MANGANESE	61.2		0.069	1.4873	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	ALUMINUM	8580		8.7	19.8306	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	ARSENIC	3.6		0.45	0.9915	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	BERYLLIUM	0.29	J	0.02	0.4958	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	CHROMIUM, TOTAL	10.3		0.12	0.9915	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	COBALT	2.6	J	0.27	4.9577	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	COPPER	3.8		0.26	2.4788	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	IRON	10000		3.8	9.9153	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	LEAD	6.1		0.29	0.2975	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	MAGNESIUM	1090		20.8	495.766	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	MOLYBDENUM	0.64	J	0.2	0.9915	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	POTASSIUM	432	J	42.1	495.766	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	VANADIUM	15.8		0.27	4.9577	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	ZINC	12		0.73	1.9831	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3	4/11/2005	SW6010B	BARIUM	12.3	J	0.83	19.8306	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	COBALT	3.6	J	0.27	5.0912	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	ALUMINUM	13600		9	20.3647	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	ARSENIC	4.4		0.46	1.0182	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	BARIUM	17.3	J	0.86	20.3647	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	BERYLLIUM	0.35	J	0.02	0.5091	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	CHROMIUM, TOTAL	15.5		0.12	1.0182	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	COPPER	4.2		0.26	2.5456	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	IRON	15000		3.9	10.1824	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	LEAD	7.8		0.3	0.3055	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	MAGNESIUM	1610		21.4	509.118	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	MANGANESE	77.7		0.071	1.5274	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW7471A	MERCURY	0.02	J	0.015	0.036	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	NICKEL	5.5		0.36	4.0729	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	POTASSIUM	577		43.2	509.118	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	VANADIUM	23.4		0.27	5.0912	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	ZINC	16.4		0.75	2.0365	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	CALCIUM	136	J	21.5	509.118	mg/Kg	J30

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD017	SSJ1RD017-SS3FD	4/11/2005	SW6010B	MOLYBDENUM	0.7	J	0.2	1.0182	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	POTASSIUM	903		44.5	523.714	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	MANGANESE	114		0.073	1.5711	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	COPPER	6.6		0.27	2.6186	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	COBALT	5.5		0.28	5.2371	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	MAGNESIUM	2510		22	523.714	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	NICKEL	9		0.37	4.1897	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	CHROMIUM, TOTAL	18.2		0.13	1.0474	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	SELENIUM	1		0.4	0.5237	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	ZINC	22		0.78	2.0949	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	MOLYBDENUM	0.56	J	0.21	1.0474	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	LEAD	8.3		0.3	0.3142	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	ALUMINUM	15400		9.2	20.9486	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	CALCIUM	290	J	22.1	523.714	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	BERYLLIUM	0.5	J	0.021	0.5237	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	BARIUM	20.3	J	0.88	20.9486	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	VANADIUM	25.8		0.28	5.2371	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	ARSENIC	5.1		0.47	1.0474	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	ANTIMONY	0.6	J	0.43	6.2846	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS4	4/12/2005	SW6010B	IRON	16600		4	10.4743	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	COPPER	5.4		0.29	2.7557	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	MANGANESE	109		0.077	1.6534	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	MAGNESIUM	2300		23.2	551.146	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	COBALT	5.1	J	0.3	5.5115	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	CHROMIUM, TOTAL	20.3		0.13	1.1023	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	CALCIUM	175	J	23.3	551.146	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	BERYLLIUM	0.46	J	0.022	0.5511	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	BARIUM	18.8	J	0.93	22.0459	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	ARSENIC	5.4		0.5	1.1023	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	ALUMINUM	17700		9.7	22.0459	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	IRON	17700		4.2	11.0229	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	NICKEL	9.1		0.39	4.4092	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	LEAD	8.8		0.32	0.3307	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	MOLYBDENUM	0.72	J	0.22	1.1023	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	POTASSIUM	771		46.8	551.146	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	VANADIUM	28.2		0.3	5.5115	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS5	4/11/2005	SW6010B	ZINC	20.2		0.82	2.2046	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	COPPER	4.4		0.23	2.2069	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	COBALT	3.8	J	0.24	4.4137	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	ARSENIC	3.5		0.4	0.8827	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	LEAD	5.7		0.26	0.2648	mg/Kg	J30

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	IRON	10000		3.3	8.8274	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	CALCIUM	93.1	J	18.6	441.373	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	BERYLLIUM	0.3	J	0.018	0.4414	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	MOLYBDENUM	0.44	J	0.18	0.8827	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	ALUMINUM	7910		7.8	17.6549	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	NICKEL	5.4		0.31	3.531	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	POTASSIUM	475		37.5	441.373	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	VANADIUM	15.8		0.24	4.4137	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	ZINC	14.3		0.65	1.7655	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	MANGANESE	88		0.062	1.3241	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	CHROMIUM, TOTAL	9.3		0.11	0.8827	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	MAGNESIUM	1250		18.6	441.373	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS6	4/11/2005	SW6010B	BARIUM	10.6	J	0.74	17.6549	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	IRON	9140		4.3	11.2639	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	BARIUM	9.4	J	0.95	22.5279	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	ALUMINUM	7780		9.9	22.5279	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	CHROMIUM, TOTAL	10		0.14	1.1264	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	ARSENIC	3.5		0.51	1.1264	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	ZINC	15.6		0.83	2.2528	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	VANADIUM	13.9		0.3	5.632	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	POTASSIUM	396	J	47.8	563.196	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	NICKEL	4.5		0.39	4.5056	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	MOLYBDENUM	0.47	J	0.23	1.1264	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	MANGANESE	72.5		0.079	1.6896	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	LEAD	5.6		0.33	0.3379	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	COPPER	4.4		0.29	2.816	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	COBALT	2.7	J	0.3	5.632	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	BERYLLIUM	0.27	J	0.022	0.5632	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	CALCIUM	85.4	J	23.8	563.196	mg/Kg	J30
SSJ1RD017	SSJ1RD017-SS7	4/11/2005	SW6010B	MAGNESIUM	1120		23.7	563.196	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	VANADIUM	11.8		0.36	0.685	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	BORON	5	J	0.578	0.578	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	ALUMINUM	11200		2.5	3.06	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	18	J	18	360	ug/Kg	J30
SSJRANGEF	AD589	9/30/1999	CSVOL	PHENANTHRENE	53	J	25.3	360	ug/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	ARSENIC	2.5		0.407	0.407	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	BERYLLIUM	0.18		0.03	0.0428	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	CADMIUM	17.6		0.063	0.063	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	CHROMIUM, TOTAL	7.7		0.14	0.193	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	COBALT	3.5		0.26	0.535	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	COPPER	535		0.34	0.407	mg/Kg	J30

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEF	AD589	9/30/1999	CL200.7	IRON	19300		4.21	5.33	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	SELENIUM	0.85	J	0.514	0.514	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	ZINC	136		0.29	0.336	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	BARIUM	8.8		1.18	1.67	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	LEAD	10		0.21	0.21	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	CALCIUM	423		29	49	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	POTASSIUM	433		47.2	51.4	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	NICKEL	5.7		0.3	0.364	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	MOLYBDENUM	0.53		0.321	0.321	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	MANGANESE	166		0.08	0.0856	mg/Kg	J30
SSJRANGEF	AD589	9/30/1999	CL200.7	MAGNESIUM	931		28.1	42.6	mg/Kg	J30
SSJRANGEG	AD590	9/30/1999	CL200.7	VANADIUM	10.2		0.36	0.609	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	COBALT	2		0.26	0.476	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	BARIUM	7		1.18	1.48	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	POTASSIUM	342		45.7	45.7	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	NICKEL	3.7		0.3	0.324	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	ZINC	60.7		0.29	0.34	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	MOLYBDENUM	0.37	J	0.286	0.286	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	MANGANESE	47.7		0.0761	0.0761	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	ALUMINUM	11100		2.5	2.72	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	MAGNESIUM	836		28.1	37.9	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	LEAD	5.7		0.212	0.212	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	COPPER	103		0.34	0.362	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	CHROMIUM, TOTAL	17.1		0.14	0.171	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	CALCIUM	59.2	J	29	43.6	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	42	J	42	360	ug/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	BERYLLIUM	0.16		0.03	0.0381	mg/Kg	J32
SSJRANGEG	AD590	9/30/1999	CL200.7	IRON	7310		4.21	5.39	mg/Kg	J32
SSJRANGEH	AD591	9/30/1999	CL200.7	COPPER	703		0.34	0.438	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	LEAD	9.7		0.222	0.222	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	ZINC	17		0.29	0.355	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	VANADIUM	20.2		0.36	0.738	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	SILVER	0.43	J	0.17	0.369	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	SELENIUM	1.2		0.553	0.553	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	POTASSIUM	456		47.2	55.3	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	NICKEL	5.7		0.3	0.392	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	MOLYBDENUM	0.95		0.346	0.346	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	CHROMIUM, TOTAL	12.2		0.14	0.208	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	MAGNESIUM	1080		28.1	45.9	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	ALUMINUM	12900		2.5	3.3	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	IRON	11500		4.21	5.63	mg/Kg	J40

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEH	AD591	9/30/1999	CL200.7	COBALT	2.1		0.26	0.576	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CVOL	ACETONE	180		4.34	12	ug/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	CALCIUM	76.2	J	29	52.8	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	BORON	5.3		0.622	0.622	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	BERYLLIUM	0.2		0.03	0.0461	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	BARIUM	12.8		1.18	1.8	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	ARSENIC	4.5		0.438	0.438	mg/Kg	J40
SSJRANGEH	AD591	9/30/1999	CL200.7	MANGANESE	46.6		0.08	0.0922	mg/Kg	J40
SSJRANGEI	03613	4/24/2003	CL200.7	MOLYBDENUM	12.6		0.4	0.52	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	ALUMINUM	11400		6	11.4	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	ZINC	18.3		0.32	0.32	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	VANADIUM	20		0.88	0.88	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	SODIUM	286		79.6	79.6	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	NICKEL	67.8		0.68	0.68	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	MANGANESE	66.1		0.23	0.23	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	MAGNESIUM	1220		65.7	65.7	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	LEAD	36.4	J	0.3	0.66	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	BORON	2.7	J	1.9	1.9	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	POTASSIUM	400	J	73.6	73.6	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	BARIUM	10.9		2.8	2.8	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	IRON	13200		7	7	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	CALCIUM	118	J	69.8	69.8	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	CHROMIUM, TOTAL	28.1		0.23	0.23	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	COBALT	3.3		0.86	0.86	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	COPPER	42.1	J	0.34	0.34	mg/Kg	J39
SSJRANGEI	03613	4/24/2003	CL200.7	ARSENIC	4.4		0.9	0.9	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	IRON	9120		6.8	6.8	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	MANGANESE	62		0.22	0.22	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	ZINC	12		0.31	0.31	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	VANADIUM	14.6		0.86	0.86	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	SODIUM	234		77.4	77.4	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	NICKEL	5.8		0.66	0.66	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	MAGNESIUM	1020		63.8	63.8	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	LEAD	11.6	J	0.3	0.64	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	BARIUM	10.5		2.7	2.7	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	POTASSIUM	387	J	71.6	71.6	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	COPPER	7	J	0.33	0.33	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	ARSENIC	3.4		0.88	0.88	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	BORON	2.4	J	1.8	1.8	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	CALCIUM	103	J	67.9	67.9	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	ALUMINUM	9410		6	11.1	mg/Kg	J39

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEI	03614	4/24/2003	CL200.7	CHROMIUM, TOTAL	10.8		0.22	0.22	mg/Kg	J39
SSJRANGEI	03614	4/24/2003	CL200.7	COBALT	2.6		0.84	0.84	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	ZINC	9.8		0.28	0.28	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	IRON	5460		6.2	6.2	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	SODIUM	137	J	70.6	70.6	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	POTASSIUM	361	J	65.3	65.3	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	NICKEL	3.9		0.6	0.6	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	MANGANESE	67.2		0.2	0.2	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	LEAD	5.3	J	0.3	0.58	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	VANADIUM	8.1		0.78	0.78	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	COBALT	1.8		0.76	0.76	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	CHROMIUM, TOTAL	5.8		0.2	0.2	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	CALCIUM	218		61.9	61.9	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	BARIUM	8.7		2.5	2.5	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	ARSENIC	2.4		0.8	0.8	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	ALUMINUM	4440		6	10.1	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	COPPER	45.9	J	0.3	0.3	mg/Kg	J39
SSJRANGEI	03615	4/24/2003	CL200.7	MAGNESIUM	741		58.2	58.2	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	MAGNESIUM	914		60.7	60.7	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	MANGANESE	67.3		0.21	0.21	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	MOLYBDENUM	21.6		0.4	0.48	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	NICKEL	162		0.63	0.63	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	POTASSIUM	314	J	68.1	68.1	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	SODIUM	180		73.6	73.6	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	ALUMINUM	7500		6	10.5	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	ZINC	22.8		0.29	0.29	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	VANADIUM	15.1		0.82	0.82	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	ARSENIC	3.3		0.84	0.84	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	IRON	16600		6.5	6.5	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	COPPER	160	J	0.31	0.31	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	COBALT	3.5		0.79	0.79	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	CHROMIUM, TOTAL	85.5		0.21	0.21	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	CALCIUM	72.4	J	64.5	64.5	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	BORON	2.1	J	1.8	1.8	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	LEAD	69.1	J	0.3	0.61	mg/Kg	J39
SSJRANGEI	03617	4/24/2003	CL200.7	BARIUM	5.6		2.6	2.6	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	MAGNESIUM	1120		60	60	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	MANGANESE	66.5		0.21	0.21	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	NICKEL	7.5		0.62	0.62	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	SODIUM	272		72.8	72.8	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	LEAD	10.3	J	0.3	0.6	mg/Kg	J39

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEI	03618	4/24/2003	CL200.7	ZINC	14.5		0.29	0.29	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	MOLYBDENUM	0.57	J	0.4	0.48	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	VANADIUM	18.6		0.81	0.81	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	ALUMINUM	12300		6	10.4	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	COPPER	7.6	J	0.31	0.31	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	COBALT	3.2		0.79	0.79	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	CHROMIUM, TOTAL	13.6		0.21	0.21	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	CALCIUM	79.8	J	63.8	63.8	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	BORON	3	J	1.7	1.7	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	BARIUM	12.1		2.5	2.5	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	ARSENIC	4.4		0.83	0.83	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	POTASSIUM	404	J	67.3	67.3	mg/Kg	J39
SSJRANGEI	03618	4/24/2003	CL200.7	IRON	14400		6.4	6.4	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	MANGANESE	81.7		0.19	0.19	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	NICKEL	4		0.58	0.58	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	POTASSIUM	324	J	62.6	62.6	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	SODIUM	116	J	67.7	67.7	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	MAGNESIUM	686		55.8	55.8	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	ZINC	8.8		0.27	0.27	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	BARIUM	8.3		2.4	2.4	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	VANADIUM	6		0.75	0.75	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	LEAD	3.7	J	0.3	0.56	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	IRON	5180		6	6	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	COPPER	4.3	J	0.29	0.29	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	COBALT	2.1		0.73	0.73	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	CALCIUM	219		59.4	59.4	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	ARSENIC	1.9	J	0.77	0.77	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	ALUMINUM	2560		6	9.7	mg/Kg	J39
SSJRANGEI	03619	4/24/2003	CL200.7	CHROMIUM, TOTAL	4.3		0.19	0.19	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	IRON	4080		6.6	6.6	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	LEAD	3.6	J	0.3	0.62	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	ARSENIC	1.9		0.85	0.85	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	BARIUM	7.8		2.6	2.6	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	BORON	1.9	J	1.8	1.8	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	CALCIUM	213		65.8	65.8	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	CHROMIUM, TOTAL	3.7		0.21	0.21	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	COBALT	1.9		0.81	0.81	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	MAGNESIUM	603		61.9	61.9	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	COPPER	3.1	J	0.32	0.32	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	ALUMINUM	2380		6	10.7	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	MANGANESE	84.8		0.21	0.21	mg/Kg	J39

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJRANGEI	03620	4/24/2003	CL200.7	NICKEL	3.1		0.64	0.64	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	POTASSIUM	317	J	69.5	69.5	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	SODIUM	101	J	75.1	75.1	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	VANADIUM	5.1		0.83	0.83	mg/Kg	J39
SSJRANGEI	03620	4/24/2003	CL200.7	ZINC	8		0.3	0.3	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	COPPER	4		0.14	0.14	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	ZINC	8.2		0.3	0.3	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	ALUMINUM	2230		3.5	3.5	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	ARSENIC	1.6		0.52	0.52	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	BARIUM	8.4		0.24	0.24	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	BERYLLIUM	0.15		0.04	0.04	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	CADMIUM	0.06	J	0.06	0.06	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	CALCIUM	167		25.2	25.2	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	CHROMIUM, TOTAL	3.5		0.16	0.16	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	COBALT	2		0.22	0.22	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	IRON	4070		3.8	3.8	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	MAGNESIUM	585		18	18	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	MANGANESE	76.9		0.38	0.38	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	LEAD	2.7		0.34	0.34	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	VANADIUM	5.3		0.28	0.28	mg/Kg	J39
SSJRANGEI	15196	5/20/2004	CL200.7	NICKEL	2.9		0.28	0.28	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	COPPER	6.7		0.14	0.14	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	VANADIUM	11		0.29	0.29	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	NICKEL	4.7		0.29	0.29	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	MANGANESE	89.8		0.39	0.39	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	MAGNESIUM	822		18.6	18.6	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	IRON	6900		3.9	3.9	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	ARSENIC	2.3		0.53	0.53	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	COBALT	2.7		0.23	0.23	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	CHROMIUM, TOTAL	7.3		0.16	0.16	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	CALCIUM	259		26.1	26.1	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	CADMIUM	0.1	J	0.06	0.06	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	BERYLLIUM	0.21		0.04	0.04	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	BARIUM	10.5		0.25	0.25	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	ZINC	11.7		0.31	0.31	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	ALUMINUM	5170		3.6	3.6	mg/Kg	J39
SSJRANGEI	15197	5/20/2004	CL200.7	LEAD	6.6		0.35	0.35	mg/Kg	J39
SSJRANGEI	JRANGEI_PE1	9/8/2006	SW6010B	COPPER	4.9		0.18	2.0173	mg/Kg	J39
SSJRANGEI	JRANGEI_PE2	9/8/2006	SW6010B	COPPER	5.2		0.18	2.0498	mg/Kg	J39
SSJRANGEI	JRANGEI_PE3	9/8/2006	SW6010B	COPPER	8.3		0.17	1.966	mg/Kg	J39
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	ARSENIC	5.3		0.25	0.8689	mg/Kg	G38

J - Estimated
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UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	ALUMINUM	16800		3.2	17.3774	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	MANGANESE	71.9		0.017	1.3033	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	POTASSIUM	883		13	434.435	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	COPPER	31.2		0.27	2.1722	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	NICKEL	8		0.07	3.4755	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	CALCIUM	207	J	76.8	434.435	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	CHROMIUM, TOTAL	18.5		0.13	0.8689	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	BORON	3.3	J	0.13	8.6887	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	IRON	15300		1.6	17.3774	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	MOLYBDENUM	0.59	J	0.035	0.8689	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	COBALT	2.3	J	0.087	4.3444	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	LEAD	16.9		0.17	0.8689	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW8270C	BENZALDEHYDE	100	NJ	0	0	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	BARIUM	22.6		0.96	17.3774	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	MAGNESIUM	1950		11.2	434.435	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW8330	2,4,6-TRINITROTOLUENE	15		0.83	13	ug/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	41	J	22.8	400	ug/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW7471A	MERCURY	0.021	J	0.018	0.0436	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	ZINC	19.1		0.043	1.7377	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	VANADIUM	26.5		0.061	4.3444	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (post)	9/13/2007	SW6010B	CADMIUM	0.091	J	0.035	0.4344	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	ARSENIC	6		0.32	0.7463	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	MOLYBDENUM	0.68	J	0.043	0.7463	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	POTASSIUM	1070		16.3	373.134	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	ALUMINUM	18200		4	14.9254	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	BARIUM	28		1.2	14.9254	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	CADMIUM	0.095	J	0.043	0.3731	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	VANADIUM	30.9		0.076	3.7313	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	ZINC	21.9		0.054	1.4925	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW7471A	MERCURY	0.026	J	0.024	0.0563	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	3700		39.5	680	ug/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW8270C	DI-n-BUTYL PHTHALATE	190	J	39.5	680	ug/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	BORON	4	J	0.16	7.4627	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	NICKEL	9.5		0.087	2.9851	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	ANTIMONY	0.25	J	0.22	4.4776	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	LEAD	11.6		0.21	0.7463	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	CALCIUM	299	J	96	373.134	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	CHROMIUM, TOTAL	20.1		0.16	0.7463	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	COBALT	2.7	J	0.11	3.7313	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	IRON	17100		2	14.9254	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	COPPER	5.7		0.34	1.8657	mg/Kg	G38

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TABLE 4-4
J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	MAGNESIUM	2270		14	373.134	mg/Kg	G38
SSJ1G38001	ECC082907J1SUP01 (pre)	9/12/2007	SW6010B	MANGANESE	90.1		0.022	1.1194	mg/Kg	G38

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TABLE 4-4
J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	BERYLLIUM	0.27	J	0.017	0.4136	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	CADMIUM	0.26	J	0.041	0.4136	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	120		15	120	ug/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW7471A	MERCURY	0.03	J	0.016	0.0386	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	VANADIUM	25.4		0.21	4.1355	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	ZINC	21.1		0.19	1.6542	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	POTASSIUM	529		12.4	413.551	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	IRON	14100		1.5	16.542	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	COPPER	4.4		0.19	2.0678	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	COBALT	1.9	J	0.11	4.1355	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	CHROMIUM, TOTAL	15.6		0.074	0.8271	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	NICKEL	8.6		0.12	3.3084	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	LEAD	12.5		0.29	0.8271	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	BARIUM	19		0.26	16.542	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	MAGNESIUM	1250		6.6	413.551	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	MANGANESE	58.7		0.025	1.2407	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	MOLYBDENUM	1.1		0.14	0.8271	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	ALUMINUM	15100		3.1	16.542	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	ARSENIC	5		0.27	0.8271	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	BORON	2.8	J	0.75	8.271	mg/Kg	H39
SSJ1H39BLP001	J1H39BLP001_PE	9/11/2007	SW6010B	CALCIUM	212	J	15.6	413.551	mg/Kg	H39
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	56	J	23.4	410	ug/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	CADMIUM	2.1		0.037	0.4567	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW7471A	MERCURY	0.034	J	0.019	0.0448	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	VANADIUM	27		0.064	4.5668	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW8330	2,4-DIAMINO-6-NITROTOLUENE	0	R	1.1	13	ug/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW8270C	NAPHTHALENE	60	J	30.7	410	ug/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	IRON	19400		1.7	18.2673	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	COPPER	1400		2.8	22.8342	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	CHROMIUM, TOTAL	16.6		0.14	0.9134	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	CALCIUM	623		80.7	456.684	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	ANTIMONY	0.96	J	0.18	5.4802	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	SELENIUM	5.5		0.25	3.1968	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	NICKEL	7.1		0.073	3.6535	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	ALUMINUM	15400		3.4	18.2673	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	COBALT	1.5	J	0.091	4.5668	mg/Kg	H40

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	BERYLLIUM	0.031	J	0.027	0.4567	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	LEAD	323		0.17	0.9134	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	ARSENIC	5.7		0.27	0.9134	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	BARIUM	22.9		1	18.2673	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	MOLYBDENUM	0.99		0.037	0.9134	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	ZINC	31.6		0.046	1.8267	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	MANGANESE	96.5		0.018	1.3701	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	MAGNESIUM	973		11.8	456.684	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	POTASSIUM	533		13.7	456.684	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (post)	9/13/2007	SW6010B	BORON	2.9	J	0.14	9.1337	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	CALCIUM	221	J	87.6	495.309	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	COBALT	1.2	J	0.099	4.9531	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	CADMIUM	1		0.04	0.4953	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	CHROMIUM, TOTAL	13.5		0.15	0.9906	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	COPPER	5		0.31	2.4765	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	IRON	14200		1.8	19.8124	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW7471A	MERCURY	0.035	J	0.021	0.0494	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW8270C	BENZYL BUTYL PHTHALATE	290	J	28.9	430	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	ANTIMONY	0.28	J	0.2	5.9437	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	MANGANESE	46.3		0.02	1.4859	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	110	J	24.9	430	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	LEAD	15.4		0.19	0.9906	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	MAGNESIUM	906		12.8	495.309	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	MOLYBDENUM	0.95	J	0.04	0.9906	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	ALUMINUM	13700		3.7	19.8124	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	ARSENIC	4.7		0.29	0.9906	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	BORON	3	J	0.15	9.9062	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	BARIUM	21.3		1.1	19.8124	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	ZINC	18.8		0.05	1.9812	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	VANADIUM	25.6		0.069	4.9531	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	POTASSIUM	542		14.9	495.309	mg/Kg	H40
SSJ1H40001	ECC091007J1SUP01 (pre)	9/12/2007	SW6010B	NICKEL	5.5		0.079	3.9625	mg/Kg	H40
SSJ1H40001	J1H40001_SS1	12/10/2007	SW6010B	LEAD	16.6		0.081	1.0147	mg/Kg	H40
SSJ1H40001	J1H40001_SS1	12/10/2007	SW6010B	COPPER	11.8		0.051	2.5368	mg/Kg	H40
SSJ1H40001	J1H40001_SS2	12/10/2007	SW6010B	COPPER	3.8		0.055	2.76	mg/Kg	H40
SSJ1H40001	J1H40001_SS2	12/10/2007	SW6010B	LEAD	13.3		0.088	1.104	mg/Kg	H40
SSJ1H40001	J1H40001_SS3	12/10/2007	SW6010B	LEAD	12.6		0.08	1.0017	mg/Kg	H40
SSJ1H40001	J1H40001_SS3	12/10/2007	SW6010B	COPPER	2.8		0.05	2.5043	mg/Kg	H40
SSJ1H40001	J1H40001_SS4	12/10/2007	SW6010B	CADMIUM	0.79		0.011	0.5612	mg/Kg	H40
SSJ1H40001	J1H40001_SS4	12/10/2007	SW6010B	LEAD	18.8		0.09	1.1223	mg/Kg	H40
SSJ1H40001	J1H40001_SS4	12/10/2007	SW6010B	COPPER	14.6		0.056	2.8058	mg/Kg	H40

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1H40001	J1H40001_SS5	12/10/2007	SW6010B	LEAD	10.1		0.084	1.0554	mg/Kg	H40
SSJ1H40001	J1H40001_SS5	12/10/2007	SW6010B	COPPER	3.2		0.053	2.6384	mg/Kg	H40
SSJ1H40001	J1H40001_SS6	12/10/2007	SW6010B	CADMIUM	0.48	J	0.011	0.5547	mg/Kg	H40
SSJ1H40001	J1H40001_SS6	12/10/2007	SW6010B	LEAD	19.1		0.089	1.1093	mg/Kg	H40
SSJ1H40001	J1H40001_SS6	12/10/2007	SW6010B	COPPER	10.2		0.056	2.7733	mg/Kg	H40
SSJ1H40001	J1H40001_SS7	12/10/2007	SW6010B	LEAD	13.7		0.12	1.5483	mg/Kg	H40
SSJ1H40001	J1H40001_SS7	12/10/2007	SW6010B	COPPER	3.4	J	0.077	3.8707	mg/Kg	H40
SSJ1H40001	J1H40001_SS8	12/10/2007	SW6010B	COPPER	9.8	J	0.06	3.0095	mg/Kg	H40
SSJ1H40001	J1H40001_SS8	12/10/2007	SW6010B	CADMIUM	0.31	J	0.012	0.6019	mg/Kg	H40
SSJ1H40001	J1H40001_SS8	12/10/2007	SW6010B	LEAD	76.2	J	0.096	1.2038	mg/Kg	H40
ROWS 45 TO 64										
MW-06	S06DAA	8/20/1997	CL200.7	NICKEL	6.6		0.308	0.308	mg/Kg	K49
MW-06	S06DAA	8/20/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	149	J	1	1	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	48	J	48	48	ug/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	ZINC	16.2		0.231	0.231	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	POTASSIUM	445		58.7	58.7	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	MANGANESE	53.6		0.0578	0.0578	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	MAGNESIUM	1240		22	22	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	LEAD	13.2	J	0.385	0.385	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	IRON	15800	J	5.01	5.01	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	COPPER	4.5		0.231	0.231	mg/Kg	K49
MW-06	S06DAA	8/20/1997	E350.2	NITROGEN, AMMONIA (AS N)	13	J	2.4	2.4	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	CHROMIUM, TOTAL	16.2		0.25	0.25	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	CALCIUM	144		27.9	27.9	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	BERYLLIUM	0.25		0.0385	0.0385	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	BARIUM	14.5		0.578	0.578	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	ARSENIC	4.7		0.693	0.693	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	ALUMINUM	15600		7.09	7.09	mg/Kg	K49
MW-06	S06DAA	8/20/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.13		0.01	0.01	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	COBALT	3.2		0.27	0.27	mg/Kg	K49
MW-06	S06DAA	8/20/1997	CL200.7	VANADIUM	26.8		0.231	0.231	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	LEAD	12.9	J	0.503	0.503	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	MAGNESIUM	1210		28.6	28.6	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	MANGANESE	52.8		0.0754	0.0754	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	NICKEL	6.1		0.402	0.402	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	POTASSIUM	436		76.6	76.6	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	SELENIUM	0.97	J	0.779	0.779	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	VANADIUM	26.1		0.302	0.302	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CPEST	P,P'-DDE	2.2	J	2.2	2.2	ug/Kg	K49
MW-06	S06DAD	8/20/1997	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	30	J	30	30	ug/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	IRON	15600	J	6.53	6.53	mg/Kg	K49

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-06	S06DAD	8/20/1997	CL200.7	ZINC	16.3		0.302	0.302	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CPEST	P,P'-DDT	3	J	3	3	ug/Kg	K49
MW-06	S06DAD	8/20/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	145	J	1	1	mg/Kg	K49
MW-06	S06DAD	8/20/1997	E353.2	NITROGEN, NITRATE-NITRITE	1.1		0.01	0.01	mg/Kg	K49
MW-06	S06DAD	8/20/1997	E350.2	NITROGEN, AMMONIA (AS N)	24.5		2.4	2.4	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	COPPER	3.5	J	0.302	0.302	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL245.5	MERCURY	0.06	J	0.06	0.126	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	ALUMINUM	15400		9.25	9.25	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	ARSENIC	4.8		0.905	0.905	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	BARIUM	14.4		0.754	0.754	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	BERYLLIUM	0.24	J	0.0503	0.0503	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	CALCIUM	151		36.4	36.4	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	CHROMIUM, TOTAL	15.7		0.327	0.327	mg/Kg	K49
MW-06	S06DAD	8/20/1997	CL200.7	COBALT	3.3		0.352	0.352	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	LEAD	5.9	J	0.414	0.414	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	CHROMIUM, TOTAL	11.4		0.253	0.253	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	ALUMINUM	8730		2.83	2.83	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	ZINC	17.1	J	0.713	0.713	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	ARSENIC	3.6	J	0.829	0.829	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	CALCIUM	100		24.2	24.2	mg/Kg	K49
MW-06	S06DBA	11/20/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101	J	101	101	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	POTASSIUM	667		50.5	50.5	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	BERYLLIUM	0.42		0.023	0.023	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	COPPER	5.8		0.529	0.529	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	VANADIUM	17.4		0.368	0.368	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	COBALT	7.1		0.391	0.391	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	NICKEL	6.5		0.483	0.483	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	MANGANESE	133		0.069	0.069	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	MAGNESIUM	1690		29.2	29.2	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	IRON	11900		5.89	5.89	mg/Kg	K49
MW-06	S06DBA	11/20/1997	CL200.7	BARIUM	14.3		0.967	0.967	mg/Kg	K49
MW-06	S06DCA	9/23/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	125	J	125	125	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	MAGNESIUM	354		18	18	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	VANADIUM	4.9		0.243	0.243	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	POTASSIUM	170		39.1	39.1	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	NICKEL	1.9		0.182	0.182	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	MANGANESE	64.3		0.081	0.081	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	BARIUM	4.7		0.729	0.729	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	ALUMINUM	1060		4.43	4.43	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	ARSENIC	1.1		0.506	0.506	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	LEAD	1.9		0.344	0.344	mg/Kg	K49

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-06	S06DCA	9/23/1997	CL200.7	BERYLLIUM	0.14		0.0202	0.0202	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	CALCIUM	55.1		18	18	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	CHROMIUM, TOTAL	3.8		0.182	0.182	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	COBALT	1.2		0.263	0.263	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	COPPER	2.1	J	0.223	0.223	mg/Kg	K49
MW-06	S06DCA	9/23/1997	CL200.7	IRON	3390		4.13	4.13	mg/Kg	K49
MW-06	S06DCA	9/23/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.02	0.02	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	LEAD	2.1		0.297	0.297	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	MAGNESIUM	395		15.5	15.5	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	POTASSIUM	115		33.8	33.8	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	VANADIUM	3.7		0.21	0.21	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	MANGANESE	42.1		0.0699	0.0699	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	ALUMINUM	935		3.83	3.83	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	IRON	3080		3.57	3.57	mg/Kg	K49
MW-06	S06DDA	9/23/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.06	0.06	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	ARSENIC	1		0.437	0.437	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	BARIUM	2.7		0.629	0.629	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	CALCIUM	96		15.6	15.6	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	CHROMIUM, TOTAL	2.6		0.157	0.157	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	COBALT	1.1		0.227	0.227	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	COPPER	2.1	J	0.192	0.192	mg/Kg	K49
MW-06	S06DDA	9/23/1997	CL200.7	NICKEL	1.8		0.157	0.157	mg/Kg	K49
MW-06	S06DDA	9/23/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	48	J	48	48	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	NICKEL	1.5		0.13	0.13	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	COPPER	1.5	J	0.159	0.159	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	POTASSIUM	129		27.8	27.8	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	MANGANESE	46.9		0.0577	0.0577	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	MAGNESIUM	281		12.8	12.8	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	LEAD	1.2		0.245	0.245	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	IRON	2450		2.94	2.94	mg/Kg	K49
MW-06	S06DEA	9/23/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.04	0.04	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	CHROMIUM, TOTAL	2.5		0.13	0.13	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	CALCIUM	86.4		12.8	12.8	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	BARIUM	2.5		0.519	0.519	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	ARSENIC	0.58	J	0.36	0.36	mg/Kg	K49
MW-06	S06DEA	9/23/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	55	J	55	55	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	ALUMINUM	733		3.16	3.16	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	COBALT	0.97		0.187	0.187	mg/Kg	K49
MW-06	S06DEA	9/23/1997	CL200.7	VANADIUM	2.9		0.173	0.173	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	IRON	2350		3.94	3.94	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	LEAD	1.1		0.328	0.328	mg/Kg	K49

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-06	S06DFA	9/23/1997	CL200.7	MAGNESIUM	196		17.2	17.2	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	MANGANESE	16.5		0.0772	0.0772	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	NICKEL	1.2		0.174	0.174	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	VANADIUM	3.6		0.232	0.232	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	CHROMIUM, TOTAL	2.8		0.174	0.174	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	POTASSIUM	99.9		37.3	37.3	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	COBALT	0.62		0.251	0.251	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	CALCIUM	113		17.2	17.2	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	BARIUM	1.9		0.695	0.695	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	ARSENIC	0.8	J	0.483	0.483	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	ALUMINUM	611		4.23	4.23	mg/Kg	K49
MW-06	S06DFA	9/23/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.04	0.04	mg/Kg	K49
MW-06	S06DFA	9/23/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	41	J	41	41	mg/Kg	K49
MW-06	S06DFA	9/23/1997	CL200.7	COPPER	1.4	J	0.212	0.212	mg/Kg	K49
MW-06	S06DGA	9/23/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	46	J	46	46	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	BARIUM	1.9		0.741	0.741	mg/Kg	K49
MW-06	S06DGA	9/23/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.04	0.04	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	MAGNESIUM	267		18.3	18.3	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL245.5	MERCURY	0.06	J	0.06	0.0895	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	ALUMINUM	681		4.51	4.51	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	VANADIUM	2.2		0.247	0.247	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	CHROMIUM, TOTAL	2.1		0.185	0.185	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	COBALT	0.78		0.268	0.268	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	COPPER	1	J	0.226	0.226	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	LEAD	1		0.35	0.35	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	MANGANESE	18.9		0.0823	0.0823	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	POTASSIUM	58.7	J	39.7	39.7	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	CALCIUM	72.6		18.3	18.3	mg/Kg	K49
MW-06	S06DGA	9/23/1997	CL200.7	IRON	2000		4.2	4.2	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	IRON	2440		3.83	3.83	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	MAGNESIUM	264		16.7	16.7	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	NICKEL	1.6		0.169	0.169	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	COPPER	1.6	J	0.207	0.207	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	VANADIUM	3		0.225	0.225	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	LEAD	1.2		0.319	0.319	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	POTASSIUM	107		36.3	36.3	mg/Kg	K49
MW-06	S06DHA	9/23/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	35	J	35	35	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	CHROMIUM, TOTAL	6		0.169	0.169	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	CALCIUM	81		16.7	16.7	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	BARIUM	2		0.676	0.676	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	ARSENIC	0.83	J	0.47	0.47	mg/Kg	K49

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-06	S06DHA	9/23/1997	CL200.7	ALUMINUM	633		4.11	4.11	mg/Kg	K49
MW-06	S06DHA	9/23/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.05	0.05	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	MANGANESE	22		0.0751	0.0751	mg/Kg	K49
MW-06	S06DHA	9/23/1997	CL200.7	COBALT	0.86		0.244	0.244	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	MAGNESIUM	192		16.5	16.5	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	MANGANESE	13.2		0.0741	0.0741	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	POTASSIUM	142		35.8	35.8	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	LEAD	1.8		0.315	0.315	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	CHROMIUM, TOTAL	2.3		0.167	0.167	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	ALUMINUM	783		4.06	4.06	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	VANADIUM	4.9		0.222	0.222	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	IRON	2990		3.78	3.78	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	COBALT	0.69		0.241	0.241	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	CALCIUM	63.9		16.5	16.5	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	ARSENIC	1.3		0.463	0.463	mg/Kg	K49
MW-06	S06DIA	9/23/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.04		0.04	0.04	mg/Kg	K49
MW-06	S06DIA	9/23/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	47	J	47	47	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	BARIUM	2.4		0.667	0.667	mg/Kg	K49
MW-06	S06DIA	9/23/1997	CL200.7	COPPER	1.3	J	0.204	0.204	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	COPPER	1.6	J	0.226	0.226	mg/Kg	K49
MW-06	S06DJA	9/24/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	ALUMINUM	910		4.49	4.49	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	ARSENIC	1		0.513	0.513	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	VANADIUM	3.8		0.246	0.246	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	BERYLLIUM	0.08		0.0205	0.0205	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	CALCIUM	65.7		18.3	18.3	mg/Kg	K49
MW-06	S06DJA	9/24/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	31	J	31	31	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	COBALT	0.69		0.267	0.267	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	IRON	2650		4.18	4.18	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	LEAD	1.7		0.349	0.349	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	MAGNESIUM	317		18.2	18.2	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	MANGANESE	12.9		0.082	0.082	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	NICKEL	1.8		0.185	0.185	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	POTASSIUM	129		39.6	39.6	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	ZINC	5.7		0.39	0.39	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	CHROMIUM, TOTAL	4.6		0.185	0.185	mg/Kg	K49
MW-06	S06DJA	9/24/1997	CL200.7	BARIUM	2.4		0.738	0.738	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	LEAD	1.1		0.339	0.339	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	ZINC	8.5		0.379	0.379	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	VANADIUM	2.4		0.24	0.24	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	POTASSIUM	151		38.5	38.5	mg/Kg	K49

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-06	S06DKA	9/24/1997	CL200.7	NICKEL	0.9		0.18	0.18	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	MAGNESIUM	151		17.7	17.7	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	IRON	1670		4.07	4.07	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	COPPER	1	J	0.22	0.22	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	COBALT	0.36	J	0.259	0.259	mg/Kg	K49
MW-06	S06DKA	9/24/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	MANGANESE	11.9		0.0798	0.0798	mg/Kg	K49
MW-06	S06DKA	9/24/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	41	J	41	41	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	CHROMIUM, TOTAL	2.6		0.18	0.18	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	ALUMINUM	577		4.37	4.37	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	ARSENIC	0.79	J	0.499	0.499	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	BARIUM	2.2		0.718	0.718	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	BERYLLIUM	0.06		0.02	0.02	mg/Kg	K49
MW-06	S06DKA	9/24/1997	CL200.7	CALCIUM	49.6		17.8	17.8	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	COPPER	0.91	J	0.204	0.204	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	BARIUM	2.4		0.669	0.669	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	NICKEL	0.91		0.167	0.167	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	MANGANESE	10.4		0.0743	0.0743	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	MAGNESIUM	141		16.5	16.5	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	LEAD	1.2		0.316	0.316	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	IRON	1880		3.79	3.79	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	VANADIUM	3.1		0.223	0.223	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	POTASSIUM	155		35.9	35.9	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	CHROMIUM, TOTAL	2		0.167	0.167	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	BERYLLIUM	0.07		0.0186	0.0186	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	ARSENIC	0.95		0.464	0.464	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	ALUMINUM	688		4.07	4.07	mg/Kg	K49
MW-06	S06DLA	9/24/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	K49
MW-06	S06DLA	9/24/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	57	J	57	57	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	COBALT	0.43	J	0.241	0.241	mg/Kg	K49
MW-06	S06DLA	9/24/1997	CL200.7	CALCIUM	47		16.5	16.5	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	MAGNESIUM	121		18.1	18.1	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	NICKEL	0.56		0.184	0.184	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	MANGANESE	6.3		0.0816	0.0816	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	LEAD	0.9		0.347	0.347	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	IRON	1300		4.16	4.16	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	COPPER	2.2	J	0.225	0.225	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	CALCIUM	82.5		18.2	18.2	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	BERYLLIUM	0.05		0.0204	0.0204	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	BARIUM	1.3		0.735	0.735	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	ALUMINUM	436		4.47	4.47	mg/Kg	K49

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-06	S06DMA	9/24/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	31	J	31	31	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	VANADIUM	1.6	J	0.245	0.245	mg/Kg	K49
MW-06	S06DMA	9/24/1997	CL200.7	POTASSIUM	71.5	J	39.4	39.4	mg/Kg	K49
MW-06	S06DMA	9/24/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	K49
MW-126	AJ362	9/13/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	COPPER	5.7		0.34	0.41	mg/Kg	
MW-126	AJ362	9/13/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	189		0.01	0.01	mg/Kg	
MW-126	AJ362	9/13/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.5	J	0.02	0.02	mg/Kg	
MW-126	AJ362	9/13/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	5	J	1.8	10	ug/Kg	
MW-126	AJ362	9/13/2000	CVOL	ACETONE	20	J	4.34	10	ug/Kg	
MW-126	AJ362	9/13/2000	CL200.7	ZINC	22.2		0.29	1.27	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	VANADIUM	11.3		0.36	0.475	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	THALLIUM	1.6	J	0.64	0.821	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	SILVER	0.52	J	0.17	0.453	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	IRON	8600		4.21	5.64	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	NICKEL	5.5		0.3	1.01	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	COBALT	3.1		0.26	0.864	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	BARIUM	14.1		1.18	2.76	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	LEAD	4.7		0.32	0.367	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	MAGNESIUM	1140		28.1	75.1	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	POTASSIUM	774		47.2	127	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	ARSENIC	3.1		0.75	1.14	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	MOLYBDENUM	1.2	J	0.49	0.648	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	BERYLLIUM	0.35		0.03	0.0648	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	CADMIUM	0.23	J	0.07	0.194	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	CALCIUM	316		29	70.8	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	CHROMIUM, TOTAL	7.9		0.14	0.367	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	MANGANESE	216		0.08	0.108	mg/Kg	
MW-126	AJ362	9/13/2000	CL200.7	ALUMINUM	3340		2.5	4.36	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	BERYLLIUM	0.22		0.03	0.0597	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	MAGNESIUM	685		28.1	69.2	mg/Kg	
MW-126	AJ363	9/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	150		0.01	0.01	mg/Kg	
MW-126	AJ363	9/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.3	J	0.02	0.02	mg/Kg	
MW-126	AJ363	9/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	ALUMINUM	1770		2.5	4.02	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	BARIUM	12		1.18	2.55	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	NICKEL	2.7		0.3	0.418	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	ZINC	14.4		0.29	1.17	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	VANADIUM	2.9		0.36	0.438	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	IRON	7570		4.21	6.49	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	POTASSIUM	620		47.2	117	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-126	AJ363	9/14/2000	CL200.7	CADMIUM	0.2		0.07	0.179	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	MOLYBDENUM	1	J	0.49	0.597	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	MANGANESE	232		0.08	0.298	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	LEAD	4.2		0.32	0.338	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	COPPER	3.4		0.34	0.378	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	COBALT	1.4		0.26	0.796	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	CHROMIUM, TOTAL	5.4		0.14	0.338	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	CALCIUM	222		29	65.2	mg/Kg	
MW-126	AJ363	9/14/2000	CL200.7	THALLIUM	0.85	J	0.64	0.756	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	BARIUM	16.3		1.18	1.38	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	ARSENIC	1.7	J	0.75	0.917	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	CHROMIUM, TOTAL	10.9		0.14	0.219	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	ALUMINUM	3640		2.5	2.71	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	MANGANESE	211		0.08	0.0997	mg/Kg	
MW-126	AJ364	9/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	268		0.01	0.01	mg/Kg	
MW-126	AJ364	9/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.3	J	0.02	0.02	mg/Kg	
MW-126	AJ364	9/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	ZINC	22.1		0.279	0.279	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	VANADIUM	9.1		0.36	0.439	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	POTASSIUM	709		47.2	55.7	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	CADMIUM	0.31	J	0.07	0.18	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	MOLYBDENUM	1.5		0.49	0.598	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	BERYLLIUM	0.32		0.03	0.0399	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	MAGNESIUM	1930		28.1	69.4	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	LEAD	4.6		0.32	0.339	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	IRON	9580		4.21	5.2	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	COPPER	5.5		0.34	0.379	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	COBALT	3.6		0.26	0.419	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	CALCIUM	946		29	65.4	mg/Kg	
MW-126	AJ364	9/14/2000	CL200.7	NICKEL	6.8		0.3	0.419	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	ALUMINUM	1290		2.5	3.15	mg/Kg	
MW-126	AJ365	9/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	
MW-126	AJ365	9/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	79.7		0.01	0.01	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	MOLYBDENUM	0.49	J	0.468	0.468	mg/Kg	
MW-126	AJ365	9/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.2	J	0.02	0.02	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	ZINC	7.6		0.29	0.921	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	VANADIUM	5.7		0.343	0.343	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	NICKEL	1.6		0.3	0.328	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	MANGANESE	49.9		0.08	0.234	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	MAGNESIUM	491		28.1	54.3	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	LEAD	2.8		0.265	0.265	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-126	AJ365	9/14/2000	CL200.7	BARIUM	4.8		1.18	2	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	POTASSIUM	326		47.2	91.5	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	ARSENIC	1.2		0.718	0.718	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	IRON	4160		4.21	5.09	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	BERYLLIUM	0.12		0.03	0.0468	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	CALCIUM	132		29	51.2	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	CHROMIUM, TOTAL	3.4		0.14	0.265	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	COBALT	1.1		0.26	0.624	mg/Kg	
MW-126	AJ365	9/14/2000	CL200.7	COPPER	2.4		0.297	0.297	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	COPPER	2.5		0.299	0.299	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	NICKEL	2		0.3	0.33	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	POTASSIUM	350		47.2	92.2	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	MOLYBDENUM	0.58	J	0.472	0.472	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	MANGANESE	144		0.08	0.236	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	MAGNESIUM	548		28.1	54.7	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	LEAD	2.5		0.267	0.267	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	IRON	4290		4.21	5.13	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	ZINC	9.1		0.29	0.928	mg/Kg	
MW-126	AJ366	9/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	0.02	0.02	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	CHROMIUM, TOTAL	3.2		0.14	0.267	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	CALCIUM	184		29	51.6	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	BERYLLIUM	0.13		0.03	0.0472	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	BARIUM	6.2		1.18	2.01	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	ARSENIC	1.3	J	0.724	0.724	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	ALUMINUM	1370		2.5	3.18	mg/Kg	
MW-126	AJ366	9/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	47		0.01	0.01	mg/Kg	
MW-126	AJ366	9/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	VANADIUM	5.9		0.346	0.346	mg/Kg	
MW-126	AJ366	9/14/2000	CL200.7	COBALT	1.7		0.26	0.629	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	LEAD	2.2		0.32	0.349	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	MAGNESIUM	645		28.1	71.3	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	MANGANESE	57.6		0.08	0.308	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	MOLYBDENUM	0.77	J	0.49	0.615	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	NICKEL	2.1		0.3	0.431	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	POTASSIUM	377		47.2	120	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	THALLIUM	0.89	J	0.64	0.779	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	ZINC	9.1	J	0.29	1.21	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	COBALT	1.1		0.26	0.82	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	VANADIUM	5.6		0.36	0.451	mg/Kg	
MW-126	AJ368	9/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	52.5		0.01	0.01	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	CHROMIUM, TOTAL	4.1		0.14	0.349	mg/Kg	

J - Estimated
NJ = Estimated Result
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-126	AJ368	9/14/2000	CL200.7	CALCIUM	192		29	67.3	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	BERYLLIUM	0.12		0.03	0.0615	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	BARIUM	7.2		1.18	2.63	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	ARSENIC	1.1	J	0.75	0.944	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	ALUMINUM	1660		2.5	4.14	mg/Kg	
MW-126	AJ368	9/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg	
MW-126	AJ368	9/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	3.4	J	0.02	0.02	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	COPPER	2.6		0.34	0.39	mg/Kg	
MW-126	AJ368	9/14/2000	CL200.7	IRON	4420		4.21	6.69	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	CHROMIUM, TOTAL	4.7		0.14	0.349	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	IRON	4340		4.21	5.36	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	LEAD	2.1		0.32	0.349	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	MAGNESIUM	341		28.1	71.4	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	MANGANESE	29.2		0.08	0.103	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	NICKEL	2.4		0.3	0.431	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	POTASSIUM	317		47.2	120	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	VANADIUM	5.8		0.36	0.451	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	COBALT	1.8		0.26	0.821	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	ZINC	5.3	J	0.287	0.287	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	ALUMINUM	1120		2.5	2.79	mg/Kg	
MW-126	AJ369	9/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.8	J	0.02	0.02	mg/Kg	
MW-126	AJ369	9/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	ARSENIC	2.3		0.75	0.944	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	BARIUM	5.4		1.18	1.42	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	COPPER	2.9		0.34	0.39	mg/Kg	
MW-126	AJ369	9/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	54.8		0.01	0.01	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	BERYLLIUM	0.14		0.03	0.041	mg/Kg	
MW-126	AJ369	9/14/2000	CL200.7	CALCIUM	123	J	29	67.3	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	COPPER	1.3	J	0.34	0.38	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	IRON	2190		4.21	5.22	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	VANADIUM	3		0.36	0.44	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	POTASSIUM	248		47.2	117	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	NICKEL	0.96		0.3	0.42	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	MANGANESE	18.5		0.08	0.0999	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	MAGNESIUM	292		28.1	69.5	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	ZINC	5.3	J	0.28	0.28	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	CALCIUM	80.3	J	29	65.5	mg/Kg	
MW-126	AJ370	9/14/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	41.7		0.01	0.01	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	BERYLLIUM	0.08	J	0.03	0.04	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	BARIUM	3.2		1.18	1.38	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	ARSENIC	1.2	J	0.75	0.919	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-126	AJ370	9/14/2000	CL200.7	ALUMINUM	966		2.5	2.72	mg/Kg	
MW-126	AJ370	9/14/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	
MW-126	AJ370	9/14/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.2	J	0.02	0.02	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	CHROMIUM, TOTAL	2.1		0.14	0.34	mg/Kg	
MW-126	AJ370	9/14/2000	CL200.7	LEAD	1.2		0.32	0.34	mg/Kg	
MW-126	AJ371	9/15/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.9	J	0.02	0.02	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	LEAD	1.2		0.28	0.28	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	IRON	2610		4.21	4.3	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	COPPER	0.84	J	0.313	0.313	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	CHROMIUM, TOTAL	2.2		0.14	0.28	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	BERYLLIUM	0.09		0.03	0.033	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	BARIUM	2.7		1.14	1.14	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	ARSENIC	1	J	0.75	0.874	mg/Kg	
MW-126	AJ371	9/15/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	MAGNESIUM	215		28.1	57.3	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	ZINC	3.7		0.231	0.231	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	ALUMINUM	774		2.24	2.24	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	NICKEL	0.95		0.3	0.346	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	POTASSIUM	168	J	47.2	96.7	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	VANADIUM	4		0.36	0.363	mg/Kg	
MW-126	AJ371	9/15/2000	CL200.7	MANGANESE	12.6		0.08	0.0824	mg/Kg	
MW-126	AL199	10/25/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	21	J	21	440	ug/Kg	
MW-126	AL199	10/25/2000	CL200.7	MANGANESE	154		0.08	0.091	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	MOLYBDENUM	1.1	J	0.49	0.706	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	NICKEL	17.9		0.3	0.774	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	POTASSIUM	1170		41.4	41.4	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	THALLIUM	2.2		0.64	1.02	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	MAGNESIUM	3960		28.1	47.3	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	ZINC	38		0.29	0.797	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	COPPER	10.8		0.34	0.41	mg/Kg	
MW-126	AL199	10/25/2000	CVOL	ACETONE	410	J	4.34	10	ug/Kg	
MW-126	AL199	10/25/2000	CVOL	CARBON DISULFIDE	3	J	0.43	10	ug/Kg	
MW-126	AL199	10/25/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	30	J	1.8	10	ug/Kg	
MW-126	AL199	10/25/2000	CVOL	TOLUENE	2	J	0.32	10	ug/Kg	
MW-126	AL199	10/25/2000	CL200.7	VANADIUM	52.1		0.36	0.455	mg/Kg	
MW-126	AL199	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.7		0.01	0.01	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	IRON	30100	J	4.21	4.83	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	COBALT	8.4		0.26	0.364	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	CHROMIUM, TOTAL	33.5	J	0.14	0.228	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	CALCIUM	145		29	38.9	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	BERYLLIUM	0.71		0.0228	0.0228	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-126	AL199	10/25/2000	CL200.7	BARIUM	32.6		0.933	0.933	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	ARSENIC	9.8		0.75	0.956	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	ALUMINUM	30900		2.5	2.82	mg/Kg	
MW-126	AL199	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg	
MW-126	AL199	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	14.1	J	0.02	0.02	mg/Kg	
MW-126	AL199	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	7880	J	0	0	mg/Kg	
MW-126	AL199	10/25/2000	CL200.7	LEAD	18.8		0.32	0.41	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	IRON	3590		4.21	4.31	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	ALUMINUM	2300		2.5	5.45	mg/Kg	
MW-126	AL200	10/25/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	81.2		0.01	0.01	mg/Kg	
MW-126	AL200	10/25/2000	LYDKHN	TOTAL ORGANIC CARBON	1110	J	0	0	mg/Kg	
MW-126	AL200	10/25/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.01	0.01	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	ARSENIC	6.8		0.75	0.855	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	BARIUM	5		0.834	0.834	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	BERYLLIUM	0.25		0.0204	0.0204	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	MAGNESIUM	412		28.1	42.3	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	CALCIUM	53.1	J	29	34.7	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	ZINC	5.5		0.29	0.712	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	COBALT	2.1		0.26	0.326	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	COPPER	1.8		0.34	0.366	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	LEAD	3.8		0.32	0.366	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	MANGANESE	67.1		0.08	0.0814	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	NICKEL	1.5		0.3	0.427	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	VANADIUM	4.9		0.36	0.407	mg/Kg	
MW-126	AL200	10/25/2000	CL200.7	CHROMIUM, TOTAL	2.5	J	0.14	0.224	mg/Kg	
MW-126	AL200	10/25/2000	E350.2	NITROGEN, AMMONIA (AS N)	2.8		0.02	0.02	mg/Kg	
SS02809-A	TT480	9/1/2000	CL200.7	NICKEL	6.4		0.11	1	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	POTASSIUM	527		47	134	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	SELENIUM	0.88	J	0.88	1	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	VANADIUM	26		0.156	1	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	ZINC	19.5		0.0554	1	mg/Kg	J57
SS02809-A	TT480	9/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	61	J	61	430	ug/Kg	J57
SS02809-A	TT480	9/1/2000	SW8270	NAPHTHALENE	31	J	31	430	ug/Kg	J57
SS02809-A	TT480	9/1/2000	SW8270	PYRENE	30	J	30	430	ug/Kg	J57
SS02809-A	TT480	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	20	J	2	11	ug/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	MANGANESE	85.5		0.08	0.34	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	ARSENIC	3.3	J	1	1	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CVOL	BROMOMETHANE	4	J	0.49	11	ug/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	MAGNESIUM	990		28	79	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	LEAD	16.6		0.32	0.39	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	IRON	15600		4	7	mg/Kg	J57

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02809-A	TT480	9/1/2000	CL200.7	COPPER	25.8	J	0.34	0.43	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	COBALT	1.1	J	0.0832	1	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	CHROMIUM, TOTAL	13.6		0.14	0.39	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	CALCIUM	238		29	75	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	CADMIUM	0.46		0.07	0.21	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CVOL	TOLUENE	2	J	0.32	11	ug/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	BARIUM	21.2		1	3	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CVOL	BENZENE	2	J	0.41	11	ug/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	ALUMINUM	13200		2	3	mg/Kg	J57
SS02809-A	TT480	9/1/2000	CL200.7	BERYLLIUM	0.27		0.03	0.07	mg/Kg	J57
SS02809-A	TT480	9/1/2000	SW8270	PHENANTHRENE	23	J	23	430	ug/Kg	J57
SS02810-A	TT482	9/1/2000	CL200.7	ZINC	18.7		0.0554	1	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	ALUMINUM	10100		2	3	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CVOL	TOLUENE	3	J	0.32	10	ug/Kg	K57
SS02810-A	TT482	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	2	10	ug/Kg	K57
SS02810-A	TT482	9/1/2000	CVOL	BROMOMETHANE	3	J	0.49	10	ug/Kg	K57
SS02810-A	TT482	9/1/2000	CVOL	BENZENE	3	J	0.41	10	ug/Kg	K57
SS02810-A	TT482	9/1/2000	SW8270	PYRENE	21	J	21	420	ug/Kg	K57
SS02810-A	TT482	9/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	37	J	37	420	ug/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	IRON	11000		4	7	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	VANADIUM	20.1		0.156	1	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	POTASSIUM	443		47	123	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	NICKEL	5.8		0.11	1	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	BERYLLIUM	0.29		0.03	0.06	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	ARSENIC	3.5	J	1	1	mg/Kg	K57
SS02810-A	TT482	9/1/2000	SW8270	NAPHTHALENE	35	J	35	420	ug/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	BARIUM	15.4		1	3	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	MANGANESE	66.9		0.08	0.31	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	CADMIUM	0.46		0.07	0.19	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	CALCIUM	178		29	69	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	MAGNESIUM	1050		28	73	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	CHROMIUM, TOTAL	11		0.14	0.36	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	COBALT	1.6	J	0.0832	1	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	COPPER	11.3	J	0.34	0.4	mg/Kg	K57
SS02810-A	TT482	9/1/2000	CL200.7	LEAD	19		0.32	0.36	mg/Kg	K57
SS02813-A	TT485	9/1/2000	CL200.7	MAGNESIUM	1070		28	82	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	MANGANESE	47.6		0.08	0.35	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	NICKEL	5.9		0.11	1	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	POTASSIUM	424		47	138	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	SELENIUM	1.2	J	1	1	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	THALLIUM	1.3	J	1	1	mg/Kg	K59

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02813-A	TT485	9/1/2000	CVOL	TOLUENE	0.9	J	0.32	9	ug/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	ZINC	143		0.0554	1	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	LEAD	10.7		0.32	0.4	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CVOL	CHLOROMETHANE	1	J	1	9	ug/Kg	K59
SS02813-A	TT485	9/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	11		2	9	ug/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	VANADIUM	23.3		0.156	1	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	BERYLLIUM	0.26		0.03	0.07	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	ALUMINUM	17100		2	3	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	ARSENIC	4.8	J	1	1	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	BARIUM	12.1		1	3	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	IRON	15900		4	8	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	CADMIUM	1.2		0.07	0.21	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	CALCIUM	138	J	29	77	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	CHROMIUM, TOTAL	15.9		0.14	0.4	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	COBALT	1.1	J	0.0832	1	mg/Kg	K59
SS02813-A	TT485	9/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	25	J	25	410	ug/Kg	K59
SS02813-A	TT485	9/1/2000	CL200.7	COPPER	6.7	J	0.34	0.45	mg/Kg	K59
SS02813-A	TT485	9/1/2000	CVOL	BROMOMETHANE	13		0.49	9	ug/Kg	K59
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	BARIUM	15.7	J	1.5	1.5	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	ZINC	35.5		0.3	0.3	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	ALUMINUM	19400		2.9	2.9	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	ARSENIC	5.1		0.54	0.54	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	NICKEL	6.1		0.31	0.31	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	BERYLLIUM	0.36	J	0.052	0.052	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	VANADIUM	30.4		0.38	0.38	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	POTASSIUM	503	J	41.5	41.5	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	MOLYBDENUM	0.84	J	0.14	0.14	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW7471	MERCURY	0.057		0.019	0.019	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	MANGANESE	51.5		0.16	0.16	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	MAGNESIUM	828		39.3	39.3	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	IRON	19200		3.6	3.6	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	COPPER	76.4		0.29	0.29	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	COBALT	2.5	J	0.38	0.38	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	CHROMIUM, TOTAL	18.9		0.14	0.14	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	CALCIUM	145	J	37.4	37.4	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	BORON	1.1	J	0.82	0.82	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	CADMIUM	0.19	J	0.065	0.065	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	LEAD	30.3		0.18	0.18	mg/Kg	
SS15111-A	ECC102303J1P2203 (post)-2	10/30/2003	SW6010B	SELENIUM	1.3		0.47	0.47	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	ZINC	38.1		0.31	0.31	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	MAGNESIUM	489	J	40.8	40.8	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW7471	MERCURY	0.1		0.027	0.027	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	ALUMINUM	12600		3	3	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	NICKEL	4.5	J	0.33	0.33	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	POTASSIUM	529	J	43.2	43.2	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	SELENIUM	1.5		0.49	0.49	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	VANADIUM	36.8		0.39	0.39	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	LEAD	29.9		0.19	0.19	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	MANGANESE	38		0.16	0.16	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	THALLIUM	0.59	J	0.5	0.5	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	ARSENIC	4.7		0.56	0.56	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	COPPER	76		0.3	0.3	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	COBALT	1.5	J	0.39	0.39	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	CHROMIUM, TOTAL	12.5		0.15	0.15	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	CALCIUM	328	J	38.9	38.9	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	CADMIUM	0.66	J	0.068	0.068	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	BORON	1.9	J	0.85	0.85	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	BERYLLIUM	0.24	J	0.054	0.054	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	BARIUM	17	J	1.6	1.6	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	MOLYBDENUM	0.97	J	0.15	0.15	mg/Kg	
SS15111-A	ECC102303J1P2203 (pre)-1	10/30/2003	SW6010B	IRON	16800		3.8	3.8	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	MANGANESE	51.8		0.13	0.13	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW7471	MERCURY	0.062		0.022	0.022	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	MOLYBDENUM	0.65	J	0.12	0.12	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	NICKEL	7.7		0.26	0.26	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	POTASSIUM	510	J	34.7	34.7	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	SELENIUM	1.3		0.39	0.39	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	MAGNESIUM	1310		32.8	32.8	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	VANADIUM	29.6		0.32	0.32	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	BORON	1.1	J	0.69	0.69	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	ZINC	17.4		0.25	0.25	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	THALLIUM	0.73	J	0.4	0.4	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	LEAD	18.1		0.15	0.15	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	IRON	18500		3	3	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	COPPER	23.1		0.24	0.24	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	COBALT	3.6	J	0.32	0.32	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	CALCIUM	104	J	31.3	31.3	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	BERYLLIUM	0.38	J	0.044	0.044	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	BARIUM	13.1	J	1.3	1.3	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	ARSENIC	6		0.45	0.45	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	ALUMINUM	21500		2.4	2.4	mg/Kg	
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW9010	CYANIDE	0.91		0.55	0.55	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15112-A	ECC102303J1P2204 (post)	10/30/2003	SW6010B	CHROMIUM, TOTAL	23.4		0.12	0.12	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	NICKEL	5.3		0.31	0.31	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	MOLYBDENUM	0.59	J	0.14	0.14	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW8330	4-NITROTOLUENE	13		7.01	13	ug/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	ZINC	27.3		0.3	0.3	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	VANADIUM	29.9		0.38	0.38	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	THALLIUM	0.7	J	0.48	0.48	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	SELENIUM	1.4		0.47	0.47	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW7471	MERCURY	0.059		0.024	0.024	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	POTASSIUM	446	J	41.5	41.5	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	MANGANESE	35.6		0.16	0.16	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	MAGNESIUM	675		39.3	39.3	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	LEAD	21.3		0.18	0.18	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	IRON	15300		3.6	3.6	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	BERYLLIUM	0.28	J	0.052	0.052	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	42		2.17	13	ug/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	COPPER	27.1		0.29	0.29	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	BARIUM	14.7	J	1.5	1.5	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	ALUMINUM	14900		2.9	2.9	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	BORON	1.5	J	0.82	0.82	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	CADMIUM	0.2	J	0.065	0.065	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	CALCIUM	213	J	37.4	37.4	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	CHROMIUM, TOTAL	14.8		0.14	0.14	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	COBALT	2.1	J	0.38	0.38	mg/Kg	
SS15112-A	ECC102303J1P2204 (pre)	10/30/2003	SW6010B	ARSENIC	4.6		0.54	0.54	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	LEAD	14.1		0.18	0.18	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	NICKEL	6.7		0.31	0.31	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	MANGANESE	50.4		0.15	0.15	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW7471	MERCURY	0.053		0.022	0.022	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	MOLYBDENUM	0.79	J	0.14	0.14	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	POTASSIUM	575	J	40.4	40.4	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	SELENIUM	1.3		0.46	0.46	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	THALLIUM	0.61	J	0.47	0.47	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	VANADIUM	30.2		0.37	0.37	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	IRON	18400		3.5	3.5	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	ZINC	16.7		0.29	0.29	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	ALUMINUM	19000		2.8	2.8	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	COBALT	3.1	J	0.37	0.37	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	CHROMIUM, TOTAL	20.6		0.14	0.14	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	CALCIUM	129	J	36.5	36.5	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	BORON	1.3	J	0.8	0.8	mg/Kg	

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	BERYLLIUM	0.36	J	0.051	0.051	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	BARIUM	17	J	1.5	1.5	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW9010	CYANIDE	2.5		0.61	0.61	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	MAGNESIUM	1210		38.3	38.3	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	COPPER	15.2		0.28	0.28	mg/Kg	
SS15113-A	ECC102703J1P2201 (post)-2	10/30/2003	SW6010B	ARSENIC	5		0.52	0.52	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	THALLIUM	0.54	J	0.51	0.51	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	SELENIUM	0.87		0.5	0.5	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	POTASSIUM	455	J	44.2	44.2	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	NICKEL	4	J	0.33	0.33	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	MOLYBDENUM	0.72	J	0.15	0.15	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	ARSENIC	4.5		0.57	0.57	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	ALUMINUM	14000		3.1	3.1	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	BORON	1.2	J	0.88	0.88	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	MAGNESIUM	755		41.8	41.8	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW7471	MERCURY	0.071		0.024	0.024	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	VANADIUM	26.9		0.4	0.4	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	ZINC	12.8		0.32	0.32	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	BERYLLIUM	0.27	J	0.056	0.056	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	CALCIUM	116	J	39.9	39.9	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	CHROMIUM, TOTAL	14.9		0.15	0.15	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	COBALT	2.1	J	0.4	0.4	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	MANGANESE	45.3		0.17	0.17	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	COPPER	8.8		0.31	0.31	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	IRON	18200		3.9	3.9	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	LEAD	12		0.19	0.19	mg/Kg	
SS15113-A	ECC102703J1P2201 (pre)-1	10/30/2003	SW6010B	BARIUM	12.8	J	1.6	1.6	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	MAGNESIUM	1260		32.3	32.3	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	IRON	13300		3	3	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	LEAD	20.1		0.15	0.15	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW9010	CYANIDE	0.95		0.51	0.51	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	COBALT	2.9	J	0.31	0.31	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	CHROMIUM, TOTAL	17.5		0.12	0.12	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	CALCIUM	141	J	30.7	30.7	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	BORON	1.3	J	0.68	0.68	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	BERYLLIUM	0.27	J	0.043	0.043	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	BARIUM	12.5	J	1.2	1.2	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	CADMIUM	0.059	J	0.054	0.054	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	ALUMINUM	14300		2.4	2.4	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	MANGANESE	53.4		0.13	0.13	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	COPPER	41.9		0.24	0.24	mg/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	ZINC	24.1		0.25	0.25	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	VANADIUM	22.3		0.31	0.31	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	THALLIUM	0.49	J	0.4	0.4	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	SELENIUM	1.7		0.39	0.39	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	POTASSIUM	498	J	34.1	34.1	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	NICKEL	6.4		0.26	0.26	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	MOLYBDENUM	0.61	J	0.12	0.12	mg/Kg	
SS15114-A	ECC102703J1P2202 (post)	10/30/2003	SW6010B	ARSENIC	4.5		0.44	0.44	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	COBALT	3.5	J	0.36	0.36	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	COPPER	6.8		0.28	0.28	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	ZINC	25.5		0.29	0.29	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	VANADIUM	28		0.36	0.36	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	SELENIUM	1.1		0.45	0.45	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	NICKEL	7.4		0.3	0.3	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW7471	MERCURY	0.038	J	0.021	0.021	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	MANGANESE	65		0.15	0.15	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	MAGNESIUM	1580		37.9	37.9	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	CALCIUM	205	J	36.1	36.1	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	IRON	17100		3.5	3.5	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	ALUMINUM	16700		2.8	2.8	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	MOLYBDENUM	0.7	J	0.14	0.14	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	CHROMIUM, TOTAL	19.9		0.14	0.14	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	CADMIUM	0.091	J	0.063	0.063	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	BORON	1.8	J	0.79	0.79	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	BERYLLIUM	0.34	J	0.05	0.05	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	BARIUM	15	J	1.4	1.4	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	ARSENIC	5.6		0.52	0.52	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	LEAD	9.7		0.18	0.18	mg/Kg	
SS15114-A	ECC102703J1P2202 (pre)	10/30/2003	SW6010B	POTASSIUM	637		40	40	mg/Kg	
SS15122-A	SS15122A_PE1	12/12/2006	SW6010B	LEAD	9.1		0.31	1.0297	mg/Kg	
SS15122-A	SS15122A_PE1	12/12/2006	SW6010B	COPPER	5.7		0.2	2.5743	mg/Kg	
SS15122-A	SS15122A_PE2	12/12/2006	SW6010B	LEAD	7.9		0.28	0.9363	mg/Kg	
SS15122-A	SS15122A_PE2	12/12/2006	SW6010B	COPPER	6.2		0.18	2.3408	mg/Kg	
SS15122-A	SS15122A_PE3	12/12/2006	SW6010B	LEAD	10.3		0.33	1.0942	mg/Kg	
SS15122-A	SS15122A_PE3	12/12/2006	SW6010B	COPPER	4.6		0.21	2.7356	mg/Kg	
SS15227-A	SS15227A_PE1	10/5/2006	SW6010B	LEAD	5.4		0.26	0.9237	mg/Kg	K45
SS15227-A	SS15227A_PE1	10/5/2006	SW6010B	COPPER	4.3		0.18	2.3093	mg/Kg	K45
SS15227-A	SS15227A_PE2	10/5/2006	SW6010B	COPPER	5		0.19	2.3645	mg/Kg	K45
SS15227-A	SS15227A_PE2	10/5/2006	SW6010B	LEAD	5.9		0.26	0.9458	mg/Kg	K45
SS15227-A	SS15227A_PE3	10/5/2006	SW6010B	COPPER	7.7		0.19	2.3853	mg/Kg	K45
SS15227-A	SS15227A_PE3	10/5/2006	SW6010B	LEAD	11.5		0.27	0.9541	mg/Kg	K45

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	MANGANESE	55.1		0.07	1.4977	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	MOLYBDENUM	0.46	J	0.2	0.9985	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	NICKEL	3.2	J	0.3	3.9939	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	POTASSIUM	369	J	42.4	499.241	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	VANADIUM	11.2		0.27	4.9924	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	ZINC	10.6		0.16	1.997	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	MAGNESIUM	775		21	499.241	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	ALUMINUM	4910		8.8	19.9696	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	CHROMIUM, TOTAL	6.5		0.12	0.9985	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	BERYLLIUM	0.19	J	0.02	0.4992	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	IRON	6960		3.8	9.9848	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	COBALT	2.1	J	0.27	4.9924	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	ARSENIC	2.4		0.42	0.9985	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	BARIUM	7.8	J	0.84	19.9696	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	LEAD	4.6		0.29	0.2995	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	COPPER	3.4		0.26	2.4962	mg/Kg	K45
SS15227-A	SS15227-SS1	4/12/2005	SW6010B	CALCIUM	177	J	21.1	499.241	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	COBALT	2.1	J	0.24	4.3698	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	CHROMIUM, TOTAL	7.1		0.1	0.874	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	CALCIUM	68.6	J	18.4	436.975	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	BERYLLIUM	0.2	J	0.018	0.437	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	BARIUM	6.3	J	0.73	17.479	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	ALUMINUM	5710		7.7	17.479	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	VANADIUM	12.6		0.24	4.3698	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	COPPER	4.6		0.23	2.1849	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	ARSENIC	2.5		0.37	0.874	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	ZINC	11.9		0.14	1.7479	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	LEAD	4.4		0.25	0.2622	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	MAGNESIUM	1030		18.4	436.975	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	MANGANESE	52.6		0.061	1.3109	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	MOLYBDENUM	0.37	J	0.17	0.874	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	NICKEL	3.8		0.26	3.4958	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	SELENIUM	0.34	J	0.33	0.437	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	POTASSIUM	314	J	37.1	436.975	mg/Kg	K45
SS15227-A	SS15227-SS2	4/12/2005	SW6010B	IRON	7330		3.3	8.7395	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	MAGNESIUM	854		19.2	456.338	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	MANGANESE	58.2		0.064	1.369	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	MOLYBDENUM	0.37	J	0.18	0.9127	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	POTASSIUM	289	J	38.8	456.338	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	LEAD	4.5		0.26	0.2738	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	ZINC	13.3		0.15	1.8254	mg/Kg	K45

J - Estimated
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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	BERYLLIUM	0.23	J	0.018	0.4563	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	VANADIUM	12.1		0.25	4.5634	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	IRON	7850		3.5	9.1268	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	COPPER	3.4		0.24	2.2817	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	COBALT	1.7	J	0.25	4.5634	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	CALCIUM	52.6	J	19.3	456.338	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	BARIUM	5.4	J	0.77	18.2535	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	ARSENIC	2.3		0.38	0.9127	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	ALUMINUM	5190		8	18.2535	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	NICKEL	3.1	J	0.27	3.6507	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	CHROMIUM, TOTAL	6		0.11	0.9127	mg/Kg	K45
SS15227-A	SS15227-SS3	4/12/2005	SW6010B	THALLIUM	0.63	J	0.58	0.9127	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	COPPER	5.6		0.27	2.5629	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	VANADIUM	13.7		0.28	5.1258	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	POTASSIUM	376	J	43.5	512.584	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	NICKEL	3.3	J	0.31	4.1007	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	MOLYBDENUM	0.52	J	0.2	1.0252	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	MANGANESE	65.3		0.072	1.5378	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	MAGNESIUM	958		21.5	512.584	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	ALUMINUM	4920		9	20.5034	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	IRON	9090		3.9	10.2517	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	ZINC	15.5		0.16	2.0503	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	COBALT	2	J	0.28	5.1258	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	CHROMIUM, TOTAL	5.9		0.12	1.0252	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	CALCIUM	180	J	21.6	512.584	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	BERYLLIUM	0.25	J	0.021	0.5126	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	BARIUM	8.7	J	0.86	20.5034	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	ARSENIC	2.6		0.43	1.0252	mg/Kg	K45
SS15227-A	SS15227-SS4	4/12/2005	SW6010B	LEAD	5.3		0.3	0.3076	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	IRON	13100		4.5	11.8601	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	ZINC	16.4		0.19	2.372	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	VANADIUM	23.8		0.32	5.9301	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	SELENIUM	0.73		0.45	0.593	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	POTASSIUM	574	J	50.4	593.007	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	NICKEL	6.5		0.36	4.7441	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	MOLYBDENUM	0.59	J	0.24	1.186	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	ALUMINUM	11200		10.4	23.7203	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	LEAD	11.1		0.34	0.3558	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	ARSENIC	4.5		0.5	1.186	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	COPPER	6.6		0.31	2.965	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	COBALT	3.3	J	0.32	5.9301	mg/Kg	K45

J - Estimated
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DL = Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	CHROMIUM, TOTAL	13.9		0.14	1.186	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	CALCIUM	85	J	25	593.007	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	BERYLLIUM	0.32	J	0.024	0.593	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	BARIUM	11.7	J	1	23.7203	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	MAGNESIUM	1690		24.9	593.007	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW6010B	MANGANESE	71.4		0.083	1.779	mg/Kg	K45
SS15227-A	SS15227-SS5	4/12/2005	SW7471A	MERCURY	0.033	J	0.019	0.0461	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	MAGNESIUM	782		20.4	484.637	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	ARSENIC	1.7		0.41	0.9693	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	BARIUM	4.3	J	0.81	19.3855	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	BERYLLIUM	0.13	J	0.019	0.4846	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	CALCIUM	39.1	J	20.5	484.637	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	CHROMIUM, TOTAL	5.1		0.12	0.9693	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	COBALT	1.3	J	0.26	4.8464	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	ALUMINUM	3970		8.5	19.3855	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	IRON	6030		3.7	9.6927	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	LEAD	7.2		0.28	0.2908	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	MOLYBDENUM	0.48	J	0.19	0.9693	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	NICKEL	2.3	J	0.29	3.8771	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	POTASSIUM	251	J	41.2	484.637	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	VANADIUM	12		0.26	4.8464	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	ZINC	8.3		0.16	1.9385	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	COPPER	3.2		0.25	2.4232	mg/Kg	K45
SS15227-A	SS15227-SS6	4/12/2005	SW6010B	MANGANESE	41.5		0.068	1.4539	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	MANGANESE	70.3		0.072	1.5477	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	BARIUM	10.1	J	0.87	20.6354	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	CALCIUM	79.6	J	21.8	515.884	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	CHROMIUM, TOTAL	11.7		0.12	1.0318	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	COBALT	2.8	J	0.28	5.1588	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	COPPER	5.3		0.27	2.5794	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	IRON	11500		3.9	10.3177	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	ALUMINUM	10800		9.1	20.6354	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	MAGNESIUM	1100		21.7	515.884	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	ARSENIC	3.9		0.43	1.0318	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW7471A	MERCURY	0.031	J	0.019	0.0454	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	MOLYBDENUM	0.61	J	0.21	1.0318	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	NICKEL	5.3		0.31	4.1271	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	POTASSIUM	477	J	43.8	515.884	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	SELENIUM	1		0.39	0.5159	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	VANADIUM	23		0.28	5.1588	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	ZINC	13		0.17	2.0635	mg/Kg	K45

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	LEAD	9.4		0.3	0.3095	mg/Kg	K45
SS15227-A	SS15227-SS7	4/12/2005	SW6010B	BERYLLIUM	0.27	J	0.021	0.5159	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	COPPER	5.6		0.25	2.4251	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	ALUMINUM	6440		8.5	19.4005	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	ARSENIC	3.2		0.41	0.97	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	BARIUM	8.2	J	0.81	19.4005	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	BERYLLIUM	0.21	J	0.019	0.485	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	CALCIUM	112	J	20.5	485.013	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	COBALT	2.1	J	0.26	4.8501	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	IRON	8430		3.7	9.7003	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	LEAD	6		0.28	0.291	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	MAGNESIUM	959		20.4	485.013	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	VANADIUM	17.6		0.26	4.8501	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	CHROMIUM, TOTAL	8		0.12	0.97	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	ZINC	13.7		0.16	1.9401	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	MANGANESE	47		0.068	1.455	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	THALLIUM	0.77	J	0.62	0.97	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	SELENIUM	0.7		0.37	0.485	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	POTASSIUM	423	J	41.2	485.013	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	NICKEL	4.3		0.29	3.8801	mg/Kg	K45
SS15227-A	SS15227-SS8	4/12/2005	SW6010B	MOLYBDENUM	0.55	J	0.19	0.97	mg/Kg	K45
SSA02270201	AY718	3/8/2002	CL200.7	ARSENIC	4.3		1	1	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	ALUMINUM	19000		4.4	4.4	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	CHROMIUM, TOTAL	22		0.26	0.26	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	CALCIUM	136		43.3	43.3	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	CADMIUM	3.7		0.1	0.1	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	BORON	6.9	J	1.7	1.7	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	BERYLLIUM	0.29	J	0.05	0.05	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	BARIUM	17.9	J	3.1	3.1	mg/Kg	
SSA02270201	AY718	3/8/2002	CVOL	TOLUENE	2	J	2	6	ug/Kg	
SSA02270201	AY718	3/8/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8		3.6	6	ug/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	MANGANESE	80.2		0.21	0.21	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	COPPER	53.5		0.62	0.62	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	IRON	17400		4.6	4.6	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	MAGNESIUM	2340		53.8	53.8	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	NICKEL	10.1		0.6	0.6	mg/Kg	
SSA02270201	AY718	3/8/2002	CVOL	CHLOROMETHANE	0.8	J	0.8	6	ug/Kg	
SSA02270201	AY718	3/8/2002	CVOL	BROMOMETHANE	2	J	2	6	ug/Kg	
SSA02270201	AY718	3/8/2002	CVOL	BENZENE	3	J	2.4	6	ug/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	POTASSIUM	740		45.9	45.9	mg/Kg	
SSA02270201	AY718	3/8/2002	CVOL	ACETONE	57	J	3.81	6	ug/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSA02270201	AY718	3/8/2002	SW8270	PYRENE	26	J	26	390	ug/Kg	
SSA02270201	AY718	3/8/2002	SW8270	PHENANTHRENE	20	J	20	390	ug/Kg	
SSA02270201	AY718	3/8/2002	SW8270	NAPHTHALENE	20	J	20	390	ug/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	VANADIUM	26.7		0.5	0.5	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	LEAD	23.7		0.21	0.21	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	COBALT	4.9		0.83	0.83	mg/Kg	
SSA02270201	AY718	3/8/2002	CL200.7	ZINC	34		0.64	0.64	mg/Kg	
SSA03270202	04143	5/6/2003	CL200.7	BORON	3.9		1.4	1.4	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	MAGNESIUM	922		55.1	55.1	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	LEAD	4.8		0.26	0.26	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	IRON	6690		5.6	5.6	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	COPPER	4.3		0.45	0.45	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	COBALT	2.3		0.54	0.54	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	CHROMIUM, TOTAL	6.3		0.17	0.17	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	CALCIUM	300		57	57	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	ZINC	13		0.47	0.47	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	VANADIUM	12.8		0.56	0.56	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	POTASSIUM	542	J	61.1	61.1	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	NICKEL	3.4		0.49	0.49	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	BARIUM	9.5		2.5	2.5	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	ALUMINUM	5480		5.2	5.2	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	ARSENIC	2		0.88	0.88	mg/Kg	J63
SSA03270202	04143	5/6/2003	CL200.7	MANGANESE	80.1		0.17	0.17	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	ZINC	15.1		0.48	0.48	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	NICKEL	4.6		0.5	0.5	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	COBALT	2.2		0.55	0.55	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	COPPER	7.2		0.46	0.46	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	IRON	13100		5.7	5.7	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	LEAD	7.1		0.27	0.27	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	MANGANESE	90.5		0.17	0.17	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	POTASSIUM	541	J	62.6	62.6	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	VANADIUM	21.4		0.57	0.57	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	BARIUM	11.6		2.6	2.6	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	ARSENIC	3.1		0.9	0.9	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	ALUMINUM	7840		5.3	5.3	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	BORON	6.4		1.4	1.4	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	CHROMIUM, TOTAL	9.5		0.17	0.17	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	CALCIUM	267		58.3	58.3	mg/Kg	J63
SSA03270202	04144	5/6/2003	CL200.7	MAGNESIUM	1060		56.4	56.4	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	ZINC	14.6		0.5	0.5	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	ARSENIC	3.5		0.9	0.93	mg/Kg	J63

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSA03270202	04145	5/6/2003	CL200.7	BARIUM	14.4		2.7	2.7	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	BORON	5.3		1.5	1.5	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	CALCIUM	272		60.7	60.7	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	CHROMIUM, TOTAL	12.3		0.18	0.18	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	COBALT	2.6		0.58	0.58	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	COPPER	7.6		0.48	0.48	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	IRON	10700		5.9	5.9	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	LEAD	8.9		0.28	0.28	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	MAGNESIUM	1200		58.7	58.7	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	MANGANESE	67.1		0.18	0.18	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	NICKEL	5.2		0.52	0.52	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	POTASSIUM	696		65.1	65.1	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	VANADIUM	24.6		0.6	0.6	mg/Kg	J63
SSA03270202	04145	5/6/2003	CL200.7	ALUMINUM	10500		5.5	5.5	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	MANGANESE	74.7		0.17	0.17	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	ZINC	14.9		0.47	0.47	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	VANADIUM	19.2		0.56	0.56	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	ALUMINUM	9210		5.2	5.2	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	NICKEL	5.7		0.48	0.48	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	CALCIUM	265		56.9	56.9	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	MAGNESIUM	1320		55	55	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	LEAD	6.5		0.26	0.26	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	BARIUM	14.5		2.5	2.5	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	COPPER	6		0.45	0.45	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	COBALT	3		0.54	0.54	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	CHROMIUM, TOTAL	11.3		0.17	0.17	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	ARSENIC	3.5		0.88	0.88	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	IRON	10500		5.6	5.6	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	POTASSIUM	723		61	61	mg/Kg	J63
SSA03270202	04146	5/6/2003	CL200.7	BORON	5.8		1.4	1.4	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	COPPER	5.3		0.45	0.45	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	COBALT	1.9		0.54	0.54	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	CHROMIUM, TOTAL	7.2		0.17	0.17	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	CALCIUM	194		56.7	56.7	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	BORON	3.8		1.4	1.4	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	ALUMINUM	4470		5.1	5.1	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	MAGNESIUM	714		54.9	54.9	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	BARIUM	8.3		2.5	2.5	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	ARSENIC	1.8		0.87	0.87	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	MANGANESE	61.3		0.17	0.17	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	NICKEL	4.7		0.48	0.48	mg/Kg	J63

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSA03270202	04147	5/6/2003	CL200.7	POTASSIUM	374	J	60.9	60.9	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	SILVER	0.32	J	0.3	0.32	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	VANADIUM	12.2		0.56	0.56	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	ZINC	10		0.46	0.46	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	IRON	5840		5.6	5.6	mg/Kg	J63
SSA03270202	04147	5/6/2003	CL200.7	LEAD	4.8		0.26	0.26	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	MANGANESE	72.2		0.18	0.18	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	ZINC	14		0.49	0.49	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	VANADIUM	19.8		0.59	0.59	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	NICKEL	4.7		0.51	0.51	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	MAGNESIUM	1070		58	58	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	LEAD	7.6		0.28	0.28	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	IRON	9540		5.9	5.9	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	ALUMINUM	8820		5.4	5.4	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	COBALT	2.3		0.57	0.57	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	CHROMIUM, TOTAL	10.2		0.18	0.18	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	CALCIUM	305		60	60	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	BORON	7.5		1.5	1.5	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	BARIUM	12.5		2.7	2.7	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	ARSENIC	3		0.9	0.92	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	POTASSIUM	534	J	64.4	64.4	mg/Kg	J63
SSA03270202	04148	5/6/2003	CL200.7	COPPER	9		0.47	0.47	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	IRON	12000		6.6	6.6	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	LEAD	9.8		0.3	0.31	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	MANGANESE	64.1		0.2	0.2	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	POTASSIUM	657	J	72.8	72.8	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	COPPER	10.9		0.53	0.53	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	ZINC	17		0.56	0.56	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	ARSENIC	3.4		0.9	1	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	VANADIUM	25.1		0.67	0.67	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	COBALT	2.5		0.64	0.64	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	CHROMIUM, TOTAL	13.2		0.2	0.2	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	CALCIUM	275		67.8	67.8	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	BARIUM	14.1		3	3	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	ALUMINUM	11800		6	6.2	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL245.5	MERCURY	0.11	J	0.0258	0.058	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	MAGNESIUM	1180		65.6	65.6	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	BORON	6.4		1.7	1.7	mg/Kg	J63
SSA03270202	04149	5/6/2003	CL200.7	NICKEL	5.2		0.58	0.58	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	MAGNESIUM	1300		55.1	55.1	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	ARSENIC	3.6		0.88	0.88	mg/Kg	J63

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSA03270202	04150	5/6/2003	CL200.7	BARIUM	17		2.5	2.5	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	BORON	6.1		1.4	1.4	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	CALCIUM	280		56.9	56.9	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	CHROMIUM, TOTAL	13.2		0.17	0.17	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	COBALT	2.6		0.54	0.54	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	ALUMINUM	11600		5.2	5.2	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	IRON	12100		5.6	5.6	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	COPPER	11.2		0.45	0.45	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	MANGANESE	62.3		0.17	0.17	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	NICKEL	5.1		0.49	0.49	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	POTASSIUM	679		61.1	61.1	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	SELENIUM	0.75	J	0.73	0.73	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	VANADIUM	28		0.56	0.56	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	ZINC	21		0.47	0.47	mg/Kg	J63
SSA03270202	04150	5/6/2003	CL200.7	LEAD	11.7		0.26	0.26	mg/Kg	J63
SSA09230201	BI644	9/25/2002	CL200.7	MOLYBDENUM	0.6		0.26	0.26	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	BARIUM	15.5		2.4	2.4	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	BERYLLIUM	0.08	J	0.05	0.05	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	CADMIUM	3		0.08	0.08	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	CALCIUM	260		42.4	42.4	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	CHROMIUM, TOTAL	7.2		0.5	1.2	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	COBALT	1.2		0.58	0.58	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	COPPER	30.2		0.47	0.47	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	IRON	10500		9.1	9.9	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	LEAD	35.3		0.29	0.29	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	MANGANESE	29.3		0.18	0.18	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	NICKEL	4	J	1.1	3.5	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	POTASSIUM	332		44.7	44.7	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	ZINC	18.5		0.7	1.8	mg/Kg	J64
SSA09230201	BI644	9/25/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	25	J	25	430	ug/Kg	J64
SSA09230201	BI644	9/25/2002	SW8270	CHRYSENE	23	J	23	430	ug/Kg	J64
SSA09230201	BI644	9/25/2002	SW8270	FLUORANTHENE	23	J	23	430	ug/Kg	J64
SSA09230201	BI644	9/25/2002	SW8270	PYRENE	32	J	32	430	ug/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	VANADIUM	28.9		1	1	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	MAGNESIUM	352		42.4	42.4	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	ARSENIC	3.8		0.84	0.84	mg/Kg	J64
SSA09230201	BI644	9/25/2002	CL200.7	ALUMINUM	6280		4.2	4.2	mg/Kg	J64
SSA09230201	BI702	9/27/2002	SW8270	FLUORANTHENE	24	J	24	440	ug/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	MOLYBDENUM	0.84		0.27	0.27	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	POTASSIUM	332		45.3	45.3	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	VANADIUM	25.5		0.74	0.74	mg/Kg	J64

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSA09230201	BI702	9/27/2002	CL200.7	ZINC	15.4		0.7	1.8	mg/Kg	J64
SSA09230201	BI702	9/27/2002	SW8270	PYRENE	32	J	32	440	ug/Kg	J64
SSA09230201	BI702	9/27/2002	SW8270	BENZOIC ACID	91	J	34.7	1100	ug/Kg	J64
SSA09230201	BI702	9/27/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	28	J	28	440	ug/Kg	J64
SSA09230201	BI702	9/27/2002	SW8270	CHRYSENE	23	J	23	440	ug/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	MAGNESIUM	293		57.9	57.9	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	LEAD	30.5		0.29	0.29	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	CALCIUM	284		41.2	41.2	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	ALUMINUM	4980		4.3	4.3	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	BORON	6.5		1.3	1.3	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	BERYLLIUM	0.1	J	0.05	0.05	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	MANGANESE	24.3		0.5	0.67	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	BARIUM	15.8		2.4	2.4	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	ARSENIC	2.7		0.85	0.85	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL245.5	MERCURY	0.053		0.02	0.02	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	CHROMIUM, TOTAL	6.1		0.5	0.51	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	COBALT	0.97	J	0.59	0.59	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	IRON	8860		6	6	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	CADMIUM	11.4		0.08	0.08	mg/Kg	J64
SSA09230201	BI702	9/27/2002	CL200.7	COPPER	37.7		0.59	0.59	mg/Kg	J64
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	SELENIUM	1.8	J	0.52	3.4265	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	ZINC	85.3		0.23	1.958	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW7471A	MERCURY	0.044	J	0.021	0.0504	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	MOLYBDENUM	0.94	J	0.17	0.979	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	SILVER	0.46	J	0.17	0.979	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	POTASSIUM	594		30.5	489.505	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	VANADIUM	30.6		0.24	4.8951	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	MANGANESE	83.8		0.029	1.4685	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	COBALT	2.2	J	0.13	4.8951	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW8270C	NAPHTHALENE	37	J	32.6	430	ug/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	NICKEL	7.7		0.14	3.916	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	MAGNESIUM	1240		7.8	489.505	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	LEAD	63.7		0.34	0.979	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	COPPER	198		0.23	2.4475	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	CHROMIUM, TOTAL	15.5		0.088	0.979	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	CALCIUM	543		18.5	489.505	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	CADMIUM	0.67		0.049	0.4895	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	BARIUM	19.1	J	0.3	19.5802	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	BERYLLIUM	0.29	J	0.02	0.4895	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	ARSENIC	4.7		0.32	0.979	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	ALUMINUM	15300		1.4	19.5802	mg/Kg	K56

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1K56002	ECC080207J1SUP02 (post)	8/9/2007	SW6010B	IRON	14400		8.2	19.5802	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	CADMIUM	0.25	J	0.05	0.5026	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	MOLYBDENUM	0.88	J	0.17	1.0052	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	CALCIUM	426	J	19	502.593	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	CHROMIUM, TOTAL	17.9		0.09	1.0052	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	COBALT	2.9	J	0.13	5.0259	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	COPPER	48.9		0.23	2.513	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	IRON	14900		8.4	20.1037	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	LEAD	15.2		0.35	1.0052	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	MAGNESIUM	1690		8	502.593	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	BERYLLIUM	0.35	J	0.02	0.5026	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW7471A	MERCURY	0.048	J	0.02	0.0486	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	ZINC	120	J	0.23	2.0104	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	NICKEL	9.3		0.14	4.0207	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	ALUMINUM	16500		1.5	20.1037	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	ARSENIC	4.9		0.33	1.0052	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	BARIUM	20.7		0.31	20.1037	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	POTASSIUM	759		31.3	502.593	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	SELENIUM	0.89	J	0.53	3.5182	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	VANADIUM	31.7		0.25	5.0259	mg/Kg	K56
SSJ1K56002	ECC080207J1SUP02 (pre)	8/8/2007	SW6010B	MANGANESE	103		0.03	1.5078	mg/Kg	K56
SSJ1P26002	J1P26002_PE1	9/8/2006	SW6010B	COPPER	9.1		0.19	2.2036	mg/Kg	K58
SSJ1P26002	J1P26002_PE2	9/8/2006	SW6010B	COPPER	6.1		0.19	2.1368	mg/Kg	K58
SSJ1P26002	J1P26002_PE3	9/8/2006	SW6010B	COPPER	5.4		0.19	2.1558	mg/Kg	K58
SSJ1P26002	SSJ1P26002-SS1	4/11/2006	SW6010B	COPPER	2.3	J	0.22	2.4563	mg/Kg	K58
SSJ1P26002	SSJ1P26002-SS2	4/11/2006	SW6010B	COPPER	5.8		0.25	2.7931	mg/Kg	K58
SSJ1P26002	SSJ1P26002-SS3	4/11/2006	SW6010B	COPPER	3.1		0.23	2.571	mg/Kg	K58
SSJ1P26002	SSJ1P26002-SS4	4/11/2006	SW6010B	COPPER	3.4		0.22	2.4565	mg/Kg	K58
SSJ1P26002	SSJ1P26002-SS5	4/11/2006	SW6010B	COPPER	18.9		0.24	2.7367	mg/Kg	K58
SSJ1P26002	SSJ1P26002-SS6	4/11/2006	SW6010B	COPPER	2	J	0.24	2.764	mg/Kg	K58
SSJ1P26002	SSJ1P26002-SS7	4/11/2006	SW6010B	COPPER	5.4		0.2	2.2694	mg/Kg	K58
SSJ1P26002	SSJ1P26002-SS8	4/11/2006	SW6010B	COPPER	6.1		0.24	2.6732	mg/Kg	K58
SSJ1P26003	J1P26003_PE1	7/14/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	32	J	8.2	40	ug/Kg	K58
SSJ1P26003	J1P26003_PE1	7/14/2006	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	51		10	40	ug/Kg	K58
SSJ1P26003	J1P26003_PE2	7/14/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	280		8.6	42	ug/Kg	K58
SSJ1P26003	J1P26003_PE2	7/14/2006	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	78		15	42	ug/Kg	K58
SSJ1P26003	J1P26003_PE2	7/14/2006	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	22	J	11	42	ug/Kg	K58
SSJ1P26003	J1P26003_PE2	7/14/2006	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	320		11	42	ug/Kg	K58
SSJ1P26003	J1P26003_PE3	7/14/2006	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	78		11	43	ug/Kg	K58
SSJ1P26003	J1P26003_PE3	7/14/2006	SW8270C	HEXACHLORONAPHTHALENE, (TOTAL)	41	J	9.4	43	ug/Kg	K58
SSJ1P26003	J1P26003_PE3	7/14/2006	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	460		16	43	ug/Kg	K58

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1P26003	J1P26003_PE3	7/14/2006	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	2300		45	170	ug/Kg	K58
SSJ1P26003	J1P26003_PE3	7/14/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	1800		36	170	ug/Kg	K58
SSJ1P26003	J1P26003_PE3	7/14/2006	SW8270C	HEPTACHLORONAPHTHALENE, (TOTAL)	16	J	8.7	43	ug/Kg	K58
SSJ1P26003	SSJ1P26003-SS1	4/11/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	110		10	51	ug/Kg	K58
SSJ1P26003	SSJ1P26003-SS1	4/11/2006	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	69		19	51	ug/Kg	K58
SSJ1P26003	SSJ1P26003-SS1	4/11/2006	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	200		13	51	ug/Kg	K58
SSJ1P26003	SSJ1P26003-SS3	4/11/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	18	J	9.2	45	ug/Kg	K58
SSJ1P26003	SSJ1P26003-SS4	4/11/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	33	J	9.7	47	ug/Kg	K58
SSJ1P26003	SSJ1P26003-SS4	4/11/2006	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	39	J	12	47	ug/Kg	K58
SSJ1P26003	SSJ1P26003-SS4	4/11/2006	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	22	J	17	47	ug/Kg	K58
SSJ1P26004	J1P26004_PE3	7/14/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	34	J	8	39	ug/Kg	K58
SSJ1P26004	J1P26004_PE3	7/14/2006	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	39		10	39	ug/Kg	K58
SSJ1P26004	SSJ1P26004-SS2	4/11/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	60		11	54	ug/Kg	K58
SSJ1P26004	SSJ1P26004-SS3	4/11/2006	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	31	J	10	50	ug/Kg	K58
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	POTASSIUM	712		13.7	598.716	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	IRON	17900		6.3	11.9743	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW9012A	CYANIDE	2.9		0.48	0.48	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	ALUMINUM	16900		2.8	23.9487	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	ANTIMONY	0.69	J	0.47	7.1846	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	ARSENIC	5.5		0.5	1.1974	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	BARIUM	17.9	J	0.42	23.9487	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	BERYLLIUM	0.38	J	0.048	0.5987	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	CADMIUM	19.1		0.072	0.5987	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	CALCIUM	233	J	10.4	598.716	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	CHROMIUM, TOTAL	36.4		0.13	1.1974	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	ZINC	39.3		0.31	2.3949	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	COPPER	202		0.46	2.9936	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	61		7.8	41	ug/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	LEAD	10		0.28	0.3592	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	MAGNESIUM	2020		9.8	598.716	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	MANGANESE	98.9		0.28	1.7961	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW7471A	MERCURY	0.021	J	0.016	0.0383	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	MOLYBDENUM	1.1	J	0.19	1.1974	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	NICKEL	9.8		0.28	4.7897	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	VANADIUM	28.3		0.17	5.9872	mg/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW8270C	BENZOIC ACID	250	J	153	1000	ug/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	87		15	41	ug/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	76		14	41	ug/Kg	K57
SSJ1P26005	ECC022305J104 (post)	3/10/2005	SW6010B	COBALT	4.4	J	0.13	5.9872	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	LEAD	9.2		0.29	0.3788	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	NICKEL	8.6		0.29	5.0501	mg/Kg	K57

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW8270C	PHENOL	58	J	50.7	430	ug/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW8270C	BENZOIC ACID	200	J	160	1100	ug/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	ZINC	18.4		0.33	2.525	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	MANGANESE	78.2		0.29	1.8938	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	POTASSIUM	684		14.4	631.257	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	MOLYBDENUM	0.71	J	0.2	1.2625	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW7471A	MERCURY	0.025	J	0.017	0.0411	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	MAGNESIUM	1990		10.3	631.257	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	IRON	17300		6.6	12.6251	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	ALUMINUM	16600		3	25.2503	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	COBALT	4.5	J	0.14	6.3126	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	CHROMIUM, TOTAL	19.8		0.14	1.2625	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	CALCIUM	138	J	11	631.257	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	CADMIUM	0.97		0.076	0.6313	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	BERYLLIUM	0.48	J	0.051	0.6313	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	BARIUM	16.9	J	0.44	25.2503	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	ARSENIC	6		0.53	1.2625	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	COPPER	9.1		0.48	3.1563	mg/Kg	K57
SSJ1P26005	ECC022305J104 (pre)	3/10/2005	SW6010B	VANADIUM	27.9		0.18	6.3126	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	LEAD	113		0.22	0.2899	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	MAGNESIUM	1050		7.9	483.157	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	MANGANESE	76.1		0.22	1.4495	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	MOLYBDENUM	0.33	J	0.15	0.9663	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	NICKEL	5.1		0.22	3.8653	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	POTASSIUM	412	J	11	483.157	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	SELENIUM	1.8		0.47	0.4832	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	ZINC	23.4		0.25	1.9326	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	COBALT	3.3	J	0.11	4.8316	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	VANADIUM	12.2		0.14	4.8316	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	ALUMINUM	8030		2.3	19.3263	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	CHROMIUM, TOTAL	9.6		0.11	0.9663	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	CALCIUM	95.7	J	8.4	483.157	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	CADMIUM	0.15	J	0.058	0.4832	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	BERYLLIUM	0.23	J	0.039	0.4832	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	BARIUM	9.2	J	0.34	19.3263	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	ARSENIC	2.6		0.41	0.9663	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	IRON	8600		5.1	9.6631	mg/Kg	K57
SSJ1P26006	ECC031405J101 (post)	3/17/2005	SW6010B	COPPER	502		0.37	2.4158	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	IRON	12300		6	11.4883	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	LEAD	39.4		0.26	0.3446	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	MAGNESIUM	1520		9.4	574.416	mg/Kg	K57

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	MANGANESE	78		0.26	1.7232	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	COPPER	5.1		0.44	2.8721	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	NICKEL	7.2		0.26	4.5953	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	BERYLLIUM	0.3	J	0.046	0.5744	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	POTASSIUM	551	J	13.1	574.416	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	MOLYBDENUM	0.58	J	0.18	1.1488	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	COBALT	3.9	J	0.13	5.7442	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	CHROMIUM, TOTAL	15		0.13	1.1488	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	CALCIUM	108	J	10	574.416	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	BORON	2.7	J	0.18	11.4883	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	BARIUM	11.7	J	0.4	22.9766	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	ARSENIC	4.2		0.48	1.1488	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	ALUMINUM	12300		2.7	22.9766	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	ZINC	21.8		0.3	2.2977	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	CADMIUM	0.19	J	0.069	0.5744	mg/Kg	K57
SSJ1P26006	ECC031405J101 (pre)	3/17/2005	SW6010B	VANADIUM	19.3		0.16	5.7442	mg/Kg	K57
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	SELENIUM	0.61		0.48	0.4934	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	THALLIUM	0.81	J	0.69	0.9867	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	VANADIUM	23.3		0.14	4.9336	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	ZINC	151		0.26	1.9734	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW8270C	BENZOIC ACID	480	J	154	1000	ug/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW8270C	DI-N-BUTYL PHTHALATE	39	J	31.6	410	ug/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	NICKEL	12.5		0.23	3.9469	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW8270C	DIMETHYL PHTHALATE	610		54.6	410	ug/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW7471A	MERCURY	0.026	J	0.018	0.0442	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW9012A	CYANIDE	3.4		0.5545	0.5545	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW8270C	NAPHTHALENE	40	J	37.3	410	ug/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	52		15	41	ug/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW8270C	PHENOL	83	J	48.8	410	ug/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	62		14	41	ug/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	72		7.9	41	ug/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	11	J	8.4	41	ug/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	CADMIUM	17.4		0.059	0.4934	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	MOLYBDENUM	4.1		0.16	0.9867	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	17		1.41	13	ug/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	ALUMINUM	18400		2.3	19.7344	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	ANTIMONY	0.66	J	0.38	5.9203	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	ARSENIC	5.4		0.41	0.9867	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	BARIUM	16.8	J	0.35	19.7344	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	POTASSIUM	615		11.3	493.359	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	BORON	3	J	0.16	9.8672	mg/Kg	K56

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	MANGANESE	128		0.23	1.4801	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	CALCIUM	308	J	8.6	493.359	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	CHROMIUM, TOTAL	53.2		0.11	0.9867	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	COBALT	4.6	J	0.11	4.9336	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	COPPER	913		0.38	2.4668	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	IRON	18900		5.2	9.8672	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	LEAD	10.5		0.23	0.296	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	MAGNESIUM	1970		8.1	493.359	mg/Kg	K56
SSJ1P26007	ECC031405J102 (post)	3/17/2005	SW6010B	BERYLLIUM	0.42	J	0.04	0.4934	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	BARIUM	16.2	J	0.43	24.5296	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	MANGANESE	100		0.28	1.8397	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	ALUMINUM	17000		2.9	24.5296	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	ARSENIC	5.9		0.52	1.2265	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	MAGNESIUM	2290		10	613.241	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW8270C	OCTACHLORONAPHTHALENE, (TOTAL)	28	J	14	44	ug/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	ZINC	28		0.32	2.453	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	VANADIUM	27.4		0.17	6.1324	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	THALLIUM	1	J	0.86	1.2265	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	SELENIUM	0.63		0.6	0.6132	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	POTASSIUM	709		14	613.241	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	NICKEL	9.3		0.28	4.9059	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	LEAD	11.1		0.28	0.3679	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW7471A	MERCURY	0.031	J	0.019	0.045	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	BERYLLIUM	0.45	J	0.049	0.6132	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	IRON	17400		6.4	12.2648	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	COPPER	7		0.47	3.0662	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	COBALT	5	J	0.13	6.1324	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	CHROMIUM, TOTAL	20		0.13	1.2265	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	CALCIUM	130	J	10.7	613.241	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	CADMIUM	1.2		0.074	0.6132	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	BORON	3.3	J	0.2	12.2648	mg/Kg	K56
SSJ1P26007	ECC031405J102 (pre)	3/17/2005	SW6010B	MOLYBDENUM	0.6	J	0.2	1.2265	mg/Kg	K56
ROWS 65 TO 72										
CP04A	B04AAA	10/21/1997	CL200.7	LEAD	4		0.305	0.305	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	MAGNESIUM	733		15.9	15.9	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	IRON	5710		3.66	3.66	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	COPPER	3		0.197	0.197	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	COBALT	2.2		0.233	0.233	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	CHROMIUM, TOTAL	5.6		0.161	0.161	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	ZINC	10.1	J	0.341	0.341	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	VANADIUM	9.2		0.215	0.215	mg/Kg	K70

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP04A	B04AAA	10/21/1997	CL200.7	SILVER	0.22	J	0.197	0.197	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	POTASSIUM	373		34.6	34.6	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	CALCIUM	72		16	16	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	BARIUM	7.7		0.646	0.646	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	ARSENIC	1.1	J	0.449	0.449	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	ALUMINUM	3890		3.93	3.93	mg/Kg	K70
CP04A	B04AAA	10/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.28		0.28	0.28	mg/Kg	K70
CP04A	B04AAA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	4.3	J	4.3	4.3	mg/Kg	K70
CP04A	B04AAA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	102	J	102	102	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	MANGANESE	63.5		0.0718	0.0718	mg/Kg	K70
CP04A	B04AAA	10/21/1997	CL200.7	NICKEL	3.3		0.161	0.161	mg/Kg	K70
CP04A	B04ABA	1/7/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.06	0.06	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	COBALT	1.1		1.1	1.1	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	CHROMIUM, TOTAL	5.1		5.1	5.1	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	CALCIUM	58.2	J	58.2	58.2	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	BERYLLIUM	0.18		0.18	0.18	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	COPPER	3.5		3.5	3.5	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	ALUMINUM	3660		3660	3660	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	NICKEL	2.9		2.9	2.9	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	BARIUM	7.3		7.3	7.3	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	IRON	4810		4810	4810	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	LEAD	4.3		4.3	4.3	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	MANGANESE	80.4		80.4	80.4	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	POTASSIUM	208		208	208	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	ZINC	8.8		8.8	8.8	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	VANADIUM	5.9		5.9	5.9	mg/Kg	K70
CP04A	B04ABA	1/7/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	101	J	101	101	mg/Kg	K70
CP04A	B04ABA	1/7/1998	CL200.7	MAGNESIUM	713		713	713	mg/Kg	K70
CP04B	B04BAA	10/21/1997	SW8151A	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	24		24	24	ug/Kg	K69
CP04B	B04BAA	10/21/1997	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	19	J	19	19	ug/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	BARIUM	7.2		0.679	0.679	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	LEAD	4.4		0.321	0.321	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	CALCIUM	81.1		16.8	16.8	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	CHROMIUM, TOTAL	5		0.17	0.17	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	COBALT	2		0.245	0.245	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	ALUMINUM	4090		4.13	4.13	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	IRON	6230		3.85	3.85	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	ARSENIC	2.2	J	0.471	0.471	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	MAGNESIUM	738		16.8	16.8	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	MANGANESE	58.8		0.0754	0.0754	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	NICKEL	3.6		0.17	0.17	mg/Kg	K69

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP04B	B04BAA	10/21/1997	CL200.7	POTASSIUM	358		36.4	36.4	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	ZINC	11	J	0.358	0.358	mg/Kg	K69
CP04B	B04BAA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	68.8	J	68.8	68.8	mg/Kg	K69
CP04B	B04BAA	10/21/1997	SW8151A	3,5-DICHLOROBENZOIC ACID	140	J	140	140	ug/Kg	K69
CP04B	B04BAA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	3.2	J	3.2	3.2	mg/Kg	K69
CP04B	B04BAA	10/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.03	0.03	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	VANADIUM	10.7		0.226	0.226	mg/Kg	K69
CP04B	B04BAA	10/21/1997	CL200.7	COPPER	4.3		0.207	0.207	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	MAGNESIUM	707		22.7	22.7	mg/Kg	K69
CP04B	B04BBA	1/8/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.6	J	80.6	80.6	mg/Kg	K69
CP04B	B04BBA	1/8/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.02	0.02	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	ALUMINUM	3640		2.2	2.2	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	ARSENIC	1.9		0.645	0.645	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	BARIUM	6.6		0.752	0.752	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	CALCIUM	62		18.8	18.8	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	COBALT	2		0.304	0.304	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	COPPER	3		0.412	0.412	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	LEAD	4		0.322	0.322	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	MANGANESE	57.5		0.0537	0.0537	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	NICKEL	1.4	J	0.376	0.376	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	VANADIUM	8		0.287	0.287	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	ZINC	11.1		0.555	0.555	mg/Kg	K69
CP04B	B04BBA	1/8/1998	CVOL	ACETONE	6	J	6	6	ug/Kg	K69
CP04B	B04BBA	1/8/1998	CL200.7	IRON	5290		4.58	4.58	mg/Kg	K69
CP04C	B04CAA	10/21/1997	CL200.7	IRON	7800		3.94	3.94	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	CHROMIUM, TOTAL	7.1		0.174	0.174	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	ALUMINUM	5940		4.23	4.23	mg/Kg	J67
CP04C	B04CAA	10/21/1997	SW8151A	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	9.4	J	9.4	9.4	ug/Kg	J67
CP04C	B04CAA	10/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.03	0.03	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	MAGNESIUM	940		17.2	17.2	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	ZINC	14		0.367	0.367	mg/Kg	J67
CP04C	B04CAA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	7.3	J	7.3	7.3	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	ARSENIC	2.9	J	0.482	0.482	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	CALCIUM	139		17.2	17.2	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	COBALT	2.5		0.251	0.251	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	COPPER	9.8		0.212	0.212	mg/Kg	J67
CP04C	B04CAA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	69.7	J	69.7	69.7	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	LEAD	5.4		0.328	0.328	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	MANGANESE	58.7		0.0772	0.0772	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	NICKEL	4		0.174	0.174	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	POTASSIUM	491		37.3	37.3	mg/Kg	J67

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP04C	B04CAA	10/21/1997	CL200.7	VANADIUM	13.3		0.232	0.232	mg/Kg	J67
CP04C	B04CAA	10/21/1997	CL200.7	BARIUM	8.2		0.695	0.695	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	COBALT	2.6		0.313	0.313	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	ZINC	9.5		0.57	0.57	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	VANADIUM	8.5		0.294	0.294	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	MAGNESIUM	610		23.3	23.3	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	MANGANESE	69.1		0.0552	0.0552	mg/Kg	J67
CP04C	B04CBA	1/8/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	76.8	J	76.8	76.8	mg/Kg	J67
CP04C	B04CBA	1/8/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.02	0.02	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	ALUMINUM	3820		2.26	2.26	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	ARSENIC	2		0.662	0.662	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	BARIUM	6.2		0.773	0.773	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	CALCIUM	45		19.3	19.3	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	COPPER	3.1		0.423	0.423	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	IRON	6200		4.71	4.71	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	LEAD	3.9		0.331	0.331	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	NICKEL	1.4	J	0.386	0.386	mg/Kg	J67
CP04C	B04CBA	1/8/1998	CL200.7	BERYLLIUM	0.2		0.0184	0.0184	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	LEAD	7		0.274	0.274	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	CALCIUM	116		14.3	14.3	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	MANGANESE	59.4		0.0644	0.0644	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	VANADIUM	14.5		0.193	0.193	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	POTASSIUM	430		31.1	31.1	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	NICKEL	4.1		0.145	0.145	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	MAGNESIUM	882		14.3	14.3	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	IRON	8220		3.28	3.28	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	COPPER	11.9		0.177	0.177	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CVOL	CHLOROFORM	1	J	1	1	ug/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	CHROMIUM, TOTAL	7		0.145	0.145	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CVOL	TRICHLOROETHENE(TCE)	3	J	3	3	ug/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	BARIUM	9.1		0.579	0.579	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	ARSENIC	2.6	J	0.402	0.402	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	ALUMINUM	6290		3.52	3.52	mg/Kg	J67
CP04D	B04DAA	10/21/1997	SW8151A	MCPA	6600	NJ	6600	6600	ug/Kg	J67
CP04D	B04DAA	10/21/1997	SW8151A	BENTAZON	190		190	190	ug/Kg	J67
CP04D	B04DAA	10/21/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.08		0.08	0.08	mg/Kg	J67
CP04D	B04DAA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	8.2	J	8.2	8.2	mg/Kg	J67
CP04D	B04DAA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97.4	J	97.4	97.4	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	COBALT	2.2		0.209	0.209	mg/Kg	J67
CP04D	B04DAA	10/21/1997	CL200.7	ZINC	16		0.306	0.306	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	SELENIUM	1.1	J	0.901	0.901	mg/Kg	J67

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP04D	B04DBA	1/8/1998	CL200.7	BARIUM	8.5		0.805	0.805	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	CALCIUM	102		20.2	20.2	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	ALUMINUM	5750		2.36	2.36	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	COBALT	1.9		0.326	0.326	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	COPPER	6.1		0.441	0.441	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	IRON	6890		4.91	4.91	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	LEAD	5.9		0.345	0.345	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	MAGNESIUM	731		24.3	24.3	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	NICKEL	1.5	J	0.403	0.403	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	ARSENIC	2.4		0.69	0.69	mg/Kg	J67
CP04D	B04DBA	1/8/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.05	0.05	mg/Kg	J67
CP04D	B04DBA	1/8/1998	E350.2	NITROGEN, AMMONIA (AS N)	3.8	J	3.8	3.8	mg/Kg	J67
CP04D	B04DBA	1/8/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.1	J	90.1	90.1	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	THALLIUM	1.3	J	1.21	1.21	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	VANADIUM	11.2		0.307	0.307	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	ZINC	16		0.594	0.594	mg/Kg	J67
CP04D	B04DBA	1/8/1998	CVOL	ACETONE	15	J	15	15	ug/Kg	J67
CP04D	B04DBA	1/8/1998	CL200.7	MANGANESE	43.2		0.0575	0.0575	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	COPPER	4.5		0.19	0.19	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	BARIUM	9.3		0.622	0.622	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	LEAD	4.5		0.294	0.294	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	ZINC	12.2		0.329	0.329	mg/Kg	J67
CP04E	B04EAA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	3.1	J	3.1	3.1	mg/Kg	J67
CP04E	B04EAA	10/21/1997	SW8151A	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	8.7	J	8.7	8.7	ug/Kg	J67
CP04E	B04EAA	10/21/1997	SW8151A	3,5-DICHLOROBENZOIC ACID	51	NJ	51	51	ug/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	ARSENIC	2.6	J	0.432	0.432	mg/Kg	J67
CP04E	B04EAA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93.5	J	93.5	93.5	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	CALCIUM	121		15.4	15.4	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	CHROMIUM, TOTAL	7.2		0.156	0.156	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	NICKEL	4.3		0.156	0.156	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	VANADIUM	12.3		0.208	0.208	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	ALUMINUM	6210		3.79	3.79	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	POTASSIUM	468		33.4	33.4	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	COBALT	3.1		0.225	0.225	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	MANGANESE	61.9		0.0692	0.0692	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	MAGNESIUM	910		15.4	15.4	mg/Kg	J67
CP04E	B04EAA	10/21/1997	CL200.7	IRON	7640		3.53	3.53	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	COPPER	2.9		0.449	0.449	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	MAGNESIUM	947		24.8	24.8	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	MANGANESE	64.1		0.0586	0.0586	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	SELENIUM	1.1	J	0.918	0.918	mg/Kg	J67

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP04E	B04EBA	1/9/1998	CL200.7	VANADIUM	12.8		0.313	0.313	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	ZINC	12.1		0.606	0.606	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CVOL	ACETONE	44	J	44	44	ug/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	IRON	8840		5	5	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	NICKEL	2.7	J	0.41	0.41	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	COBALT	2.9		0.332	0.332	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	CHROMIUM, TOTAL	8.8		0.215	0.215	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	CALCIUM	43.5		20.5	20.5	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	BERYLLIUM	0.22		0.0195	0.0195	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	BARIUM	8.3		0.821	0.821	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	ARSENIC	2.9		0.704	0.704	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	ALUMINUM	7620		2.4	2.4	mg/Kg	J67
CP04E	B04EBA	1/9/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97	J	97	97	mg/Kg	J67
CP04E	B04EBA	1/9/1998	CL200.7	LEAD	4.7		0.352	0.352	mg/Kg	J67
CP04E	B04EBA	1/9/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.02	0.02	mg/Kg	J67
CP04F	B04FAA	10/21/1997	CL200.7	CHROMIUM, TOTAL	20.6		0.184	0.184	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	CADMIUM	0.72		0.0815	0.0815	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	COPPER	20		0.224	0.224	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	MANGANESE	73.4		0.0815	0.0815	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	MAGNESIUM	1250		18.1	18.1	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	LEAD	20.5		0.347	0.347	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	IRON	16200		4.16	4.16	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	POTASSIUM	626		39.4	39.4	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	CALCIUM	153		18.2	18.2	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	VANADIUM	23		0.245	0.245	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	BARIUM	30		0.734	0.734	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	ARSENIC	4.6		0.51	0.51	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	ANTIMONY	0.84	J	0.591	0.591	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	ALUMINUM	15200		4.46	4.46	mg/Kg	
CP04F	B04FAA	10/21/1997	E350.2	NITROGEN, AMMONIA (AS N)	5.8	J	5.8	5.8	mg/Kg	
CP04F	B04FAA	10/21/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	93.7	J	93.7	93.7	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	COBALT	3.1		0.265	0.265	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	ZINC	43.6		0.387	0.387	mg/Kg	
CP04F	B04FAA	10/21/1997	CL200.7	NICKEL	10.8		0.184	0.184	mg/Kg	
CP04F	B04FBA	1/9/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	70.6	J	70.6	70.6	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	ARSENIC	1.4	J	0.722	0.722	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	BARIUM	7.9		0.842	0.842	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	CALCIUM	41.4	J	21.1	21.1	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	COBALT	2.7		0.341	0.341	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	COPPER	3.3		0.461	0.461	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	IRON	5260		5.13	5.13	mg/Kg	

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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP04F	B04FBA	1/9/1998	CL200.7	MAGNESIUM	959		25.4	25.4	mg/Kg	
CP04F	B04FBA	1/9/1998	E353.2	NITROGEN, NITRATE-NITRITE	0.01		0.01	0.01	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	MANGANESE	61		0.0602	0.0602	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	MOLYBDENUM	0.32	J	0.301	0.301	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	NICKEL	3	J	0.421	0.421	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	VANADIUM	8.6		0.321	0.321	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	ZINC	13.3		0.622	0.622	mg/Kg	
CP04F	B04FBA	1/9/1998	CVOL	ACETONE	7	J	7	7	ug/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	LEAD	4.1		0.361	0.361	mg/Kg	
CP04F	B04FBA	1/9/1998	CL200.7	ALUMINUM	5140		2.47	2.47	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	CHROMIUM, TOTAL	11.5		0.223	0.223	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	VANADIUM	27.7		0.324	0.324	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	ANTIMONY	0.84	J	0.709	0.709	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	POTASSIUM	473		44.5	44.5	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	NICKEL	3.6		0.426	0.426	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	MANGANESE	32.5		0.0608	0.0608	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	MAGNESIUM	682		25.7	25.7	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	LEAD	13.9	J	0.365	0.365	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	IRON	15900	J	5.19	5.19	mg/Kg	
CP04G	B04GAA	12/18/1997	CVOL	ACETONE	27	J	27	27	ug/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	COBALT	1.7		0.345	0.345	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	ZINC	14.4	J	0.628	0.628	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	CALCIUM	146		33.9	33.9	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	BERYLLIUM	0.27		0.0203	0.0203	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	BARIUM	15.1		0.851	0.851	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	ARSENIC	3.7		0.73	0.73	mg/Kg	
CP04G	B04GAA	12/18/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	145	J	145	145	mg/Kg	
CP04G	B04GAA	12/18/1997	E350.2	NITROGEN, AMMONIA (AS N)	40	J	40	40	mg/Kg	
CP04G	B04GAA	12/18/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.03	0.03	mg/Kg	
CP04G	B04GAA	12/18/1997	SW8151A	MCPA	40000	J	40000	40000	ug/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	ALUMINUM	11500		2.49	2.49	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	COPPER	16.1		0.466	0.466	mg/Kg	
CP04G	B04GAA	12/18/1997	CL200.7	SELENIUM	1.6	J	0.953	0.953	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	MAGNESIUM	2170		18.8	18.8	mg/Kg	
CP04G	B04GBA	3/11/1998	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	133	J	133	133	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	ALUMINUM	13300		39.1	39.1	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	ARSENIC	4.9	J	0.33	0.33	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	BARIUM	13		0.59	0.59	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	BERYLLIUM	0.31		0.05	0.05	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	CALCIUM	85.1		56.1	56.1	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	CHROMIUM, TOTAL	16.9		0.21	0.21	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
CP04G	B04GBA	3/11/1998	CL200.7	COBALT	5.3		0.33	0.33	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	COPPER	6.1		0.17	0.17	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	LEAD	7.2		3.86	3.86	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	MANGANESE	86.6		1.56	1.56	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	NICKEL	8.8		1.27	1.27	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	POTASSIUM	559		35	35	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	VANADIUM	22.8		0.75	0.75	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	ZINC	22	J	1.67	1.67	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	MOLYBDENUM	0.66	J	0.39	0.39	mg/Kg	
CP04G	B04GBA	3/11/1998	CL200.7	IRON	14100		127	127	mg/Kg	
J1200182R	TU208	1/15/2001	SW8330	2,4-DINITROTOLUENE	255		4	100	ug/Kg	
MW-27	S27DAA	8/20/1997	CL200.7	COBALT	1	J	0.272	0.272	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	CHROMIUM, TOTAL	8.2		0.253	0.253	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	CALCIUM	59.8		28.2	28.2	mg/Kg	J71
MW-27	S27DAA	8/20/1997	E350.2	NITROGEN, AMMONIA (AS N)	11.1	J	2.4	2.4	mg/Kg	J71
MW-27	S27DAA	8/20/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.07		0.01	0.01	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	ALUMINUM	9780		7.15	7.15	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	BARIUM	6.8		0.583	0.583	mg/Kg	J71
MW-27	S27DAA	8/20/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	119	J	1	1	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	BERYLLIUM	0.12	J	0.0389	0.0389	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	LEAD	6.9	J	0.389	0.389	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	ARSENIC	3.1		0.7	0.7	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	ZINC	9.5		0.233	0.233	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	MAGNESIUM	388		22.2	22.2	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	MANGANESE	16		0.0583	0.0583	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	NICKEL	2.6	J	0.311	0.311	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	POTASSIUM	222		59.3	59.3	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	SELENIUM	0.74	J	0.603	0.603	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	VANADIUM	15.3		0.233	0.233	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	COPPER	2	J	0.233	0.233	mg/Kg	J71
MW-27	S27DAA	8/20/1997	CL200.7	IRON	8780	J	5.05	5.05	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	IRON	10000	J	4.43	4.43	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	COPPER	1.9	J	0.205	0.205	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	COBALT	1.1	J	0.239	0.239	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	CHROMIUM, TOTAL	9.2		0.222	0.222	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	CALCIUM	60		24.7	24.7	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	LEAD	7.8	J	0.341	0.341	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	BARIUM	7.3		0.512	0.512	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	VANADIUM	17.4		0.205	0.205	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	ARSENIC	3.3		0.614	0.614	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	BERYLLIUM	0.12	J	0.0341	0.0341	mg/Kg	J71

J - Estimated
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UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-27	S27DAD	8/20/1997	CL200.7	MAGNESIUM	410		19.4	19.4	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	MANGANESE	16.1		0.0512	0.0512	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	NICKEL	2.7	J	0.273	0.273	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	SELENIUM	0.96		0.529	0.529	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	ZINC	10.7		0.205	0.205	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CSVOL	DIETHYL PHTHALATE	40	J	40	40	ug/Kg	J71
MW-27	S27DAD	8/20/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.07		0.01	0.01	mg/Kg	J71
MW-27	S27DAD	8/20/1997	E350.2	NITROGEN, AMMONIA (AS N)	11.5	J	2.4	2.4	mg/Kg	J71
MW-27	S27DAD	8/20/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	115	J	1	1	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	ALUMINUM	11100		6.27	6.27	mg/Kg	J71
MW-27	S27DAD	8/20/1997	CL200.7	POTASSIUM	248		52	52	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	CHROMIUM, TOTAL	12.5		0.198	0.198	mg/Kg	J71
MW-27	S27DBA	11/20/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	44.1	J	44.1	44.1	mg/Kg	J71
MW-27	S27DBA	11/20/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	ALUMINUM	9900		2.21	2.21	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	ARSENIC	3.2	J	0.647	0.647	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	BARIUM	13.4		0.754	0.754	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	BERYLLIUM	0.17		0.018	0.018	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	COPPER	3.9		0.413	0.413	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	IRON	7520		4.6	4.6	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	ZINC	16.7	J	0.557	0.557	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	LEAD	5.8	J	0.323	0.323	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	MAGNESIUM	1790		22.8	22.8	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	MANGANESE	62.4		0.0539	0.0539	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	NICKEL	6		0.377	0.377	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	POTASSIUM	586		39.4	39.4	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	VANADIUM	18.9		0.287	0.287	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	CALCIUM	94.8		18.9	18.9	mg/Kg	J71
MW-27	S27DBA	11/20/1997	CL200.7	COBALT	3.5		0.305	0.305	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	ZINC	9.9		0.301	0.301	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CPEST	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	1.4	J	1.4	1.4	ug/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	VANADIUM	6.2		0.19	0.19	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	POTASSIUM	521		30.6	30.6	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	NICKEL	1.2	J	0.142	0.142	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	MANGANESE	99.1	J	0.0633	0.0633	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	MAGNESIUM	593		14.1	14.1	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	LEAD	3.5		0.269	0.269	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	IRON	4130		3.23	3.23	mg/Kg	J71
MW-27	S27DCA	10/6/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90	J	90	90	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	COBALT	1.7		0.206	0.206	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	CHROMIUM, TOTAL	4.1		0.142	0.142	mg/Kg	J71

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-27	S27DCA	10/6/1997	CL200.7	CALCIUM	396		14.1	14.1	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	BERYLLIUM	0.14		0.0158	0.0158	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	BARIUM	7.9		0.57	0.57	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	ARSENIC	2.5		0.396	0.396	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	ALUMINUM	2400		3.46	3.46	mg/Kg	J71
MW-27	S27DCA	10/6/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	J71
MW-27	S27DCA	10/6/1997	CSVOL	BIS(2-ETHYLHEXYL) PHTHALATE	36	J	36	36	ug/Kg	J71
MW-27	S27DCA	10/6/1997	CL200.7	COPPER	6.3		0.174	0.174	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	CALCIUM	88.5		17	17	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	BERYLLIUM	0.08		0.0191	0.0191	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	BARIUM	6.1		0.687	0.687	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	ARSENIC	1.9		0.477	0.477	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	ALUMINUM	2780		4.18	4.18	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	CHROMIUM, TOTAL	4.1		0.172	0.172	mg/Kg	J71
MW-27	S27DCD	10/6/1997	E350.2	NITROGEN, AMMONIA (AS N)	5.2	J	5.2	5.2	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	NICKEL	0.85	J	0.172	0.172	mg/Kg	J71
MW-27	S27DCD	10/6/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	COBALT	1.4		0.248	0.248	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	COPPER	2.3	J	0.21	0.21	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	IRON	3850		3.89	3.89	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	LEAD	2.4		0.324	0.324	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	MANGANESE	63.2	J	0.0763	0.0763	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	VANADIUM	6.9		0.229	0.229	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	ZINC	7.7		0.362	0.362	mg/Kg	J71
MW-27	S27DCD	10/6/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	57	J	57	57	mg/Kg	J71
MW-27	S27DCD	10/6/1997	CL200.7	MAGNESIUM	565		17	17	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	BARIUM	7.9		0.585	0.585	mg/Kg	J71
MW-27	S27DDA	10/6/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	118	J	118	118	mg/Kg	J71
MW-27	S27DDA	10/6/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	VANADIUM	6.2		0.195	0.195	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	ARSENIC	1.1		0.406	0.406	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	BERYLLIUM	0.1		0.0162	0.0162	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	CALCIUM	301		14.5	14.5	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	CHROMIUM, TOTAL	4.9		0.146	0.146	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	COBALT	2.2		0.211	0.211	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	COPPER	3.3		0.179	0.179	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	ZINC	10.5		0.309	0.309	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	ALUMINUM	1870		3.56	3.56	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	IRON	4780		3.31	3.31	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	POTASSIUM	516		31.4	31.4	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	NICKEL	2.2	J	0.146	0.146	mg/Kg	J71

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-27	S27DDA	10/6/1997	CL200.7	MANGANESE	97.8	J	0.065	0.065	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	MAGNESIUM	970		14.4	14.4	mg/Kg	J71
MW-27	S27DDA	10/6/1997	CL200.7	LEAD	2.4		0.276	0.276	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	POTASSIUM	610		30.8	30.8	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	ALUMINUM	3260		3.5	3.5	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	IRON	7960		3.26	3.26	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	MANGANESE	166	J	0.0639	0.0639	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	MAGNESIUM	1500		14.2	14.2	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	VANADIUM	8.8		0.192	0.192	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	LEAD	3.5		0.271	0.271	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	NICKEL	4.8	J	0.144	0.144	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	COPPER	6.7		0.176	0.176	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	COBALT	3.6		0.208	0.208	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	CHROMIUM, TOTAL	6.4		0.144	0.144	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	BERYLLIUM	0.19		0.016	0.016	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	BARIUM	9.2		0.575	0.575	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	ZINC	16.7		0.303	0.303	mg/Kg	J71
MW-27	S27DEA	10/6/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	ARSENIC	1.3		0.399	0.399	mg/Kg	J71
MW-27	S27DEA	10/6/1997	CL200.7	CALCIUM	300		14.2	14.2	mg/Kg	J71
MW-27	S27DEA	10/6/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	171	J	171	171	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	MANGANESE	19.9	J	0.0757	0.0757	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	IRON	1830		3.86	3.86	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	VANADIUM	2.5		0.227	0.227	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	MAGNESIUM	227		16.8	16.8	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	LEAD	1.3		0.322	0.322	mg/Kg	J71
MW-27	S27DFA	10/6/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	52.6	J	52.6	52.6	mg/Kg	J71
MW-27	S27DFA	10/6/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	ARSENIC	0.82	J	0.473	0.473	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	BARIUM	3.5		0.682	0.682	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	BERYLLIUM	0.05		0.0189	0.0189	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	CALCIUM	94.9		16.9	16.9	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	COPPER	1.3	J	0.208	0.208	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	CHROMIUM, TOTAL	1.9		0.17	0.17	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	COBALT	0.55		0.246	0.246	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	ALUMINUM	750		4.15	4.15	mg/Kg	J71
MW-27	S27DFA	10/6/1997	CL200.7	ZINC	4.2		0.36	0.36	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	COPPER	2.1	J	0.172	0.172	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	VANADIUM	3.1		0.188	0.188	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	POTASSIUM	332		30.3	30.3	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	NICKEL	1.1	J	0.141	0.141	mg/Kg	J71

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-27	S27DGA	10/6/1997	CL200.7	MANGANESE	65	J	0.0627	0.0627	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	MAGNESIUM	435		13.9	13.9	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	IRON	3690		3.2	3.2	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	COBALT	1.2		0.204	0.204	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	ZINC	11.4		0.298	0.298	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	BERYLLIUM	0.09		0.0157	0.0157	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	LEAD	2.1		0.267	0.267	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	CALCIUM	149		14	14	mg/Kg	J71
MW-27	S27DGA	10/6/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	56.6	J	56.6	56.6	mg/Kg	J71
MW-27	S27DGA	10/6/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.04	0.04	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	ALUMINUM	1190		3.43	3.43	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	ARSENIC	1.1		0.392	0.392	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	BARIUM	3.8		0.564	0.564	mg/Kg	J71
MW-27	S27DGA	10/6/1997	CL200.7	CHROMIUM, TOTAL	3.1		0.141	0.141	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	MAGNESIUM	484		16.2	16.2	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	MANGANESE	40.5	J	0.0727	0.0727	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	CALCIUM	131		16.2	16.2	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	COPPER	3.5		0.2	0.2	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	CHROMIUM, TOTAL	3.1		0.164	0.164	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	ALUMINUM	1260		3.98	3.98	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	ARSENIC	1.4		0.455	0.455	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	BARIUM	3.3		0.655	0.655	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	BERYLLIUM	0.08		0.0182	0.0182	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	COBALT	1.5		0.236	0.236	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	VANADIUM	4.6		0.218	0.218	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	ZINC	8.3		0.345	0.345	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	NICKEL	0.81	J	0.164	0.164	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	IRON	3640		3.71	3.71	mg/Kg	J71
MW-27	S27DHA	10/6/1997	CL200.7	LEAD	2.3		0.309	0.309	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	LEAD	1		0.282	0.282	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	ZINC	3.8		0.316	0.316	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	VANADIUM	2.1		0.199	0.199	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	MAGNESIUM	212		14.8	14.8	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	IRON	1510		3.39	3.39	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	COPPER	1.1	J	0.183	0.183	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	ALUMINUM	641		3.64	3.64	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	MANGANESE	13.2	J	0.0664	0.0664	mg/Kg	J71
MW-27	S27DIA	10/6/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	COBALT	0.66		0.216	0.216	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	ARSENIC	0.74	J	0.415	0.415	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	BARIUM	2.2		0.598	0.598	mg/Kg	J71

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-27	S27DIA	10/6/1997	CL200.7	BERYLLIUM	0.05		0.0166	0.0166	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	CALCIUM	66.5		14.8	14.8	mg/Kg	J71
MW-27	S27DIA	10/6/1997	CL200.7	CHROMIUM, TOTAL	1.6		0.15	0.15	mg/Kg	J71
MW-27	S27DIA	10/6/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	43.9	J	43.9	43.9	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	COBALT	0.55		0.239	0.239	mg/Kg	J71
MW-27	S27DJA	10/7/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	18	J	18	18	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	ZINC	2.8	J	0.349	0.349	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	VANADIUM	2.6		0.221	0.221	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	MANGANESE	9.3	J	0.0736	0.0736	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	MAGNESIUM	123		16.3	16.3	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	LEAD	1		0.313	0.313	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	IRON	1700		3.75	3.75	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	COPPER	1.1	J	0.202	0.202	mg/Kg	J71
MW-27	S27DJA	10/7/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	CALCIUM	36.8		16.4	16.4	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	BERYLLIUM	0.06		0.0184	0.0184	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	BARIUM	2		0.662	0.662	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	ARSENIC	1.1		0.46	0.46	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	ALUMINUM	534		4.03	4.03	mg/Kg	J71
MW-27	S27DJA	10/7/1997	CL200.7	CHROMIUM, TOTAL	2.1		0.166	0.166	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	COPPER	1.1	J	0.194	0.194	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	ZINC	2.9	J	0.335	0.335	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	IRON	1470		3.6	3.6	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	VANADIUM	2.2		0.212	0.212	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	LEAD	0.92		0.3	0.3	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	MANGANESE	11	J	0.0706	0.0706	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	ALUMINUM	633		3.86	3.86	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	COBALT	0.56		0.229	0.229	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	MAGNESIUM	164		15.7	15.7	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	CALCIUM	58.3		15.7	15.7	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	BERYLLIUM	0.06		0.0176	0.0176	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	ARSENIC	0.81	J	0.441	0.441	mg/Kg	J71
MW-27	S27DKA	10/7/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	J71
MW-27	S27DKA	10/7/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	36	J	36	36	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	BARIUM	2.2		0.635	0.635	mg/Kg	J71
MW-27	S27DKA	10/7/1997	CL200.7	CHROMIUM, TOTAL	1.8		0.159	0.159	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	ARSENIC	3		0.433	0.433	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	CALCIUM	57.6		15.5	15.5	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	ZINC	5.2		0.329	0.329	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	VANADIUM	9.4		0.208	0.208	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	MANGANESE	11.1	J	0.0693	0.0693	mg/Kg	J71

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-27	S27DLA	10/7/1997	CL200.7	MAGNESIUM	161		15.4	15.4	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	LEAD	1.7		0.295	0.295	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	IRON	5050		3.54	3.54	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	BARIUM	2.4		0.624	0.624	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	ALUMINUM	777		3.8	3.8	mg/Kg	J71
MW-27	S27DLA	10/7/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.03	J	0.03	0.03	mg/Kg	J71
MW-27	S27DLA	10/7/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	52.1	J	52.1	52.1	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	CHROMIUM, TOTAL	2.7		0.156	0.156	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	COBALT	0.67		0.225	0.225	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	COPPER	1.5	J	0.191	0.191	mg/Kg	J71
MW-27	S27DLA	10/7/1997	CL200.7	BERYLLIUM	0.15		0.0173	0.0173	mg/Kg	J71
MW-27	S27DMA	10/7/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	MAGNESIUM	258		15.9	15.9	mg/Kg	J71
MW-27	S27DMA	10/7/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	56.2	J	56.2	56.2	mg/Kg	J71
MW-27	S27DMA	10/7/1997	E350.2	NITROGEN, AMMONIA (AS N)	1.4		1.4	1.4	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	ALUMINUM	921		3.93	3.93	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	BARIUM	3.3		0.646	0.646	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	CALCIUM	73.1		16	16	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	CHROMIUM, TOTAL	2.6		0.162	0.162	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	COBALT	0.79		0.233	0.233	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	COPPER	1.7	J	0.197	0.197	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	LEAD	1.3		0.305	0.305	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	MANGANESE	15.1	J	0.0718	0.0718	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	VANADIUM	4.6		0.215	0.215	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	ZINC	4.3		0.341	0.341	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	ARSENIC	1.4		0.449	0.449	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	IRON	2720		3.66	3.66	mg/Kg	J71
MW-27	S27DMA	10/7/1997	CL200.7	BERYLLIUM	0.11		0.0179	0.0179	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	BERYLLIUM	0.07		0.0201	0.0201	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	ZINC	3.4	J	0.381	0.381	mg/Kg	J71
MW-27	S27DNA	10/7/1997	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	40.1	J	40.1	40.1	mg/Kg	J71
MW-27	S27DNA	10/7/1997	E350.2	NITROGEN, AMMONIA (AS N)	1.1		1.1	1.1	mg/Kg	J71
MW-27	S27DNA	10/7/1997	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.02	0.02	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL245.5	MERCURY	0.07	J	0.07	0.0994	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	ALUMINUM	659		4.39	4.39	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	ARSENIC	1	J	0.501	0.501	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	BARIUM	2.4		0.722	0.722	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	CALCIUM	62.5		17.9	17.9	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	CHROMIUM, TOTAL	2.2		0.181	0.181	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	COBALT	0.56		0.261	0.261	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	COPPER	1.2	J	0.221	0.221	mg/Kg	J71

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
MW-27	S27DNA	10/7/1997	CL200.7	IRON	1810		4.09	4.09	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	LEAD	1.1		0.341	0.341	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	MAGNESIUM	185		17.8	17.8	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	MANGANESE	9.9	J	0.0802	0.0802	mg/Kg	J71
MW-27	S27DNA	10/7/1997	CL200.7	VANADIUM	3.2		0.241	0.241	mg/Kg	J71
SS02984-A	TU523	2/16/2001	CVOL	2-HEXANONE	41.1	J	1	9	ug/Kg	
SS02984-A	TU523	2/16/2001	CVOL	ACETONE	71.9	J	1	9	ug/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	LEAD	6.4		0.2	1	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	ALUMINUM	10200		4	46	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	ARSENIC	2.9		1	2	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	BARIUM	11.1	J	0.2	46	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	BERYLLIUM	0.164	J	0.01	1	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	BORON	2.25	J	0.2	2	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	CADMIUM	0.388	J	0.03	1	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	CALCIUM	113	J	4	1140	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	CHROMIUM, TOTAL	12.1		0.09	2	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	COBALT	1.95	J	0.07	11	mg/Kg	
SS02984-A	TU523	2/16/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8.59	J	1	9	ug/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	IRON	10200		7	23	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	MAGNESIUM	1250		3	1140	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	MANGANESE	51.9		0.1	3	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	NICKEL	5.6	J	0.11	9	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	POTASSIUM	490	J	4	1140	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	SELENIUM	0.818	J	0.818	1	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	SODIUM	111	J	86	1140	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	VANADIUM	17.5		0.13	11	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	ZINC	16.1		0.08	5	mg/Kg	
SS02984-A	TU523	2/16/2001	CL200.7	COPPER	4.02	J	0.08	6	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	CHROMIUM, TOTAL	13.9		0.09	3	mg/Kg	
SS02984-A	TU524	2/16/2001	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12.5	J	1	9	ug/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	IRON	12500		8	26	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	ALUMINUM	11800		5	51	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	ARSENIC	3.16		1	3	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	BARIUM	13	J	0.2	51	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	BERYLLIUM	0.175	J	0.01	1	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	BORON	2.49	J	0.2	3	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	CADMIUM	0.396	J	0.03	1	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	CALCIUM	162	J	5	1270	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	COPPER	4.98	J	0.08	6	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	COBALT	2.31	J	0.07	13	mg/Kg	
SS02984-A	TU524	2/16/2001	CVOL	ACETONE	99	J	1	9	ug/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS02984-A	TU524	2/16/2001	CL200.7	LEAD	8.15		0.2	1	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	MAGNESIUM	1510		3	1270	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	MANGANESE	68.2		0.1	4	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	NICKEL	6.37	J	0.11	10	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	POTASSIUM	557	J	5	1270	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	SELENIUM	0.906	J	0.906	1	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	SODIUM	173	J	96	1270	mg/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	ZINC	20.7		0.08	5	mg/Kg	
SS02984-A	TU524	2/16/2001	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	26.6	J	22	429	ug/Kg	
SS02984-A	TU524	2/16/2001	CL200.7	VANADIUM	21.9		0.13	13	mg/Kg	
SS04H	AL430	11/1/2000	CL200.7	COBALT	2.8		0.26	0.359	mg/Kg	J67
SS04H	AL430	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	30	J	1.8	12	ug/Kg	J67
SS04H	AL430	11/1/2000	CVOL	ACETONE	600	J	4.34	12	ug/Kg	J67
SS04H	AL430	11/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	29	J	29	390	ug/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	ZINC	21.9		0.202	0.202	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	VANADIUM	17.5		0.36	0.449	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	SELENIUM	1.6	J	0.61	0.83	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	POTASSIUM	387		40.8	40.8	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	NICKEL	3.5	J	0.3	0.471	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	MANGANESE	65		0.08	0.0897	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	MAGNESIUM	1140		28.1	46.6	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	LEAD	8.8		0.32	0.404	mg/Kg	J67
SS04H	AL430	11/1/2000	CVOL	TOLUENE	7	J	0.32	12	ug/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	COPPER	12		0.34	0.404	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	CALCIUM	196		29	38.3	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	CHROMIUM, TOTAL	9.3		0.14	0.247	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	BERYLLIUM	0.32		0.0224	0.0224	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	ARSENIC	3.7		0.75	0.942	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	ALUMINUM	9050		2.5	2.78	mg/Kg	J67
SS04H	AL430	11/1/2000	SW8151A	PICLORAM	11	J	2.9	5.5	ug/Kg	J67
SS04H	AL430	11/1/2000	SW8151A	ACIFLUORFEN	20	J	1.4	5.6	ug/Kg	J67
SS04H	AL430	11/1/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg	J67
SS04H	AL430	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	15.7	J	0.02	0.02	mg/Kg	J67
SS04H	AL430	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	13300		0	0	mg/Kg	J67
SS04H	AL430	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	107	J	0.01	0.01	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	IRON	10200		4.21	4.76	mg/Kg	J67
SS04H	AL430	11/1/2000	CL200.7	BARIUM	11.7		0.92	0.92	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	BARIUM	11.2		0.893	0.893	mg/Kg	J67
SS04H	AL431	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	110	J	0.01	0.01	mg/Kg	J67
SS04H	AL431	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	15800		0	0	mg/Kg	J67
SS04H	AL431	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	23.1	J	0.02	0.02	mg/Kg	J67

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04H	AL431	11/1/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.17		0.01	0.01	mg/Kg	J67
SS04H	AL431	11/1/2000	SW8151A	ACIFLUORFEN	15	J	1.4	5.8	ug/Kg	J67
SS04H	AL431	11/1/2000	SW8151A	MCPP	35000	NJ	1365	9800	ug/Kg	J67
SS04H	AL431	11/1/2000	SW8151A	PICLORAM	7.6	J	2.9	5.6	ug/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	ARSENIC	3.7		0.75	0.915	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	BERYLLIUM	0.25		0.0218	0.0218	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	CALCIUM	168		29	37.2	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	CHROMIUM, TOTAL	9.2		0.14	0.24	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	COBALT	2.7		0.26	0.349	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	COPPER	17.1		0.34	0.392	mg/Kg	J67
SS04H	AL431	11/1/2000	CVOL	ACETONE	580	J	4.34	12	ug/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	ALUMINUM	8260		2.5	2.7	mg/Kg	J67
SS04H	AL431	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	31		1.8	12	ug/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	IRON	11700		4.21	4.62	mg/Kg	J67
SS04H	AL431	11/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32	J	32	400	ug/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	ZINC	25		0.196	0.196	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	VANADIUM	18.5		0.36	0.436	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	THALLIUM	1	J	0.64	0.98	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	POTASSIUM	380		39.6	39.6	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	NICKEL	3.5	J	0.3	0.458	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	MANGANESE	77		0.08	0.0871	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	MAGNESIUM	1030		28.1	45.3	mg/Kg	J67
SS04H	AL431	11/1/2000	CL200.7	LEAD	8.5		0.32	0.392	mg/Kg	J67
SS04H	AL431	11/1/2000	CVOL	TOLUENE	9	J	0.32	12	ug/Kg	J67
SS04H	AL432	11/1/2000	CVOL	TOLUENE	2	J	0.32	10	ug/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	LEAD	7.7		0.32	0.338	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	MAGNESIUM	1100		28.1	39.1	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	MANGANESE	67.3		0.0752	0.0752	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	NICKEL	3.6	J	0.3	0.395	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	POTASSIUM	424		34.2	34.2	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	VANADIUM	16.9		0.36	0.376	mg/Kg	J67
SS04H	AL432	11/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	63	J	63	380	ug/Kg	J67
SS04H	AL432	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	25	J	1.8	10	ug/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	IRON	10200		3.99	3.99	mg/Kg	J67
SS04H	AL432	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	12700		0	0	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	THALLIUM	1.3	J	0.64	0.846	mg/Kg	J67
SS04H	AL432	11/1/2000	CVOL	ACETONE	680	J	4.34	10	ug/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	ALUMINUM	8860		2.33	2.33	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	COPPER	11.5		0.338	0.338	mg/Kg	J67
SS04H	AL432	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	115	J	0.01	0.01	mg/Kg	J67
SS04H	AL432	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	15.2	J	0.02	0.02	mg/Kg	J67

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04H	AL432	11/1/2000	CL200.7	ZINC	17.4		0.169	0.169	mg/Kg	J67
SS04H	AL432	11/1/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.01	0.01	mg/Kg	J67
SS04H	AL432	11/1/2000	SW8151A	PICLORAM	8.4	J	2.9	5.5	ug/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	ARSENIC	3.5		0.75	0.79	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	BARIUM	10.9		0.771	0.771	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	COBALT	3		0.26	0.301	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	CHROMIUM, TOTAL	9.5		0.14	0.207	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	BERYLLIUM	0.25		0.0188	0.0188	mg/Kg	J67
SS04H	AL432	11/1/2000	CL200.7	CALCIUM	141		29	32.1	mg/Kg	J67
SS04H	AL432	11/1/2000	SW8151A	ACIFLUORFEN	22	J	1.4	5.6	ug/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	THALLIUM	1	J	0.64	0.99	mg/Kg	J67
SS04H	AL433	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	6920		0	0	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	LEAD	6.1		0.32	0.396	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	MANGANESE	62.5		0.08	0.088	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	POTASSIUM	364		40	40	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	ZINC	14.6		0.198	0.198	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	IRON	10700		4.21	4.66	mg/Kg	J67
SS04H	AL433	11/1/2000	CVOL	TOLUENE	3	J	0.32	10	ug/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	MAGNESIUM	934		28.1	45.7	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	VANADIUM	15.1		0.36	0.44	mg/Kg	J67
SS04H	AL433	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	1.8	10	ug/Kg	J67
SS04H	AL433	11/1/2000	SW8151A	PICLORAM	5.6	NJ	2.9	5.4	ug/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	NICKEL	2.7	J	0.3	0.462	mg/Kg	J67
SS04H	AL433	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.6	J	0.01	0.01	mg/Kg	J67
SS04H	AL433	11/1/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg	J67
SS04H	AL433	11/1/2000	CVOL	ACETONE	380	J	4.34	10	ug/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	ALUMINUM	8010		2.5	2.73	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	ARSENIC	3.3		0.75	0.924	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	BERYLLIUM	0.25		0.022	0.022	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	CALCIUM	91.3		29	37.6	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	CHROMIUM, TOTAL	8.4		0.14	0.242	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	COPPER	8.7		0.34	0.396	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	BARIUM	9.9		0.902	0.902	mg/Kg	J67
SS04H	AL433	11/1/2000	CL200.7	COBALT	2.9		0.26	0.352	mg/Kg	J67
SS04I	AL434	11/1/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.01	J	0.01	0.01	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	CALCIUM	95.5		29	29.3	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	BERYLLIUM	0.22		0.0172	0.0172	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	BARIUM	8.1		0.704	0.704	mg/Kg	J70
SS04I	AL434	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	80.4	J	0.01	0.01	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	ALUMINUM	3350		2.13	2.13	mg/Kg	J70
SS04I	AL434	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.3	J	0.02	0.02	mg/Kg	J70

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04I	AL434	11/1/2000	CL200.7	CHROMIUM, TOTAL	4.3		0.14	0.189	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	NICKEL	1.8	J	0.3	0.361	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	ARSENIC	2.2		0.721	0.721	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	COBALT	2.2		0.26	0.275	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	COPPER	10.5		0.309	0.309	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	IRON	6110		3.64	3.64	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	LEAD	6.8		0.309	0.309	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	MANGANESE	73.2		0.0687	0.0687	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	POTASSIUM	277		31.2	31.2	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	VANADIUM	9.6		0.343	0.343	mg/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	ZINC	13.7		0.155	0.155	mg/Kg	J70
SS04I	AL434	11/1/2000	CVOL	ACETONE	59	J	4.34	6	ug/Kg	J70
SS04I	AL434	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	6	ug/Kg	J70
SS04I	AL434	11/1/2000	CVOL	TOLUENE	0.9	J	0.32	6	ug/Kg	J70
SS04I	AL434	11/1/2000	CL200.7	MAGNESIUM	657		28.1	35.7	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	VANADIUM	7.3		0.306	0.306	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	COBALT	2		0.245	0.245	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	CHROMIUM, TOTAL	3.5		0.14	0.168	mg/Kg	J70
SS04I	AL435	11/1/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg	J70
SS04I	AL435	11/1/2000	CVOL	ACETONE	110	J	4.34	8	ug/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	ZINC	11.4		0.138	0.138	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	POTASSIUM	261		27.8	27.8	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	MANGANESE	62.5		0.0612	0.0612	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	MAGNESIUM	709		28.1	31.8	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	NICKEL	1.6	J	0.3	0.321	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	IRON	4750		3.24	3.24	mg/Kg	J70
SS04I	AL435	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	53.5	J	0.01	0.01	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	CALCIUM	66.3		26.1	26.1	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	BERYLLIUM	0.19		0.0153	0.0153	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	BARIUM	7.6		0.627	0.627	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	ARSENIC	2.1		0.642	0.642	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	ALUMINUM	3000		1.9	1.9	mg/Kg	J70
SS04I	AL435	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.3	J	0.02	0.02	mg/Kg	J70
SS04I	AL435	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	191		0	0	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	LEAD	3		0.275	0.275	mg/Kg	J70
SS04I	AL435	11/1/2000	CL200.7	COPPER	5.8		0.275	0.275	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	LEAD	4.2		0.32	0.376	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	ALUMINUM	4110		2.5	2.59	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	ARSENIC	1.9		0.75	0.876	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	BARIUM	10.4		0.855	0.855	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	BERYLLIUM	0.26		0.0209	0.0209	mg/Kg	J70

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04I	AL436	11/1/2000	CL200.7	CALCIUM	86.5		29	35.6	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	CHROMIUM, TOTAL	4.9		0.14	0.23	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	COBALT	2.8		0.26	0.334	mg/Kg	J70
SS04I	AL436	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.6	J	0.02	0.02	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	IRON	5830		4.21	4.42	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	POTASSIUM	413		37.9	37.9	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	MAGNESIUM	989		28.1	43.4	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	MANGANESE	102		0.08	0.0834	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	NICKEL	2	J	0.3	0.438	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	VANADIUM	8.8		0.36	0.417	mg/Kg	J70
SS04I	AL436	11/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26	J	26	350	ug/Kg	J70
SS04I	AL436	11/1/2000	CVOL	ACETONE	53	J	4.34	6	ug/Kg	J70
SS04I	AL436	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	6	ug/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	COPPER	5		0.34	0.376	mg/Kg	J70
SS04I	AL436	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	659		0	0	mg/Kg	J70
SS04I	AL436	11/1/2000	CL200.7	ZINC	15.8		0.188	0.188	mg/Kg	J70
SS04I	AL436	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	59.6	J	0.01	0.01	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	BARIUM	6.6		0.84	0.84	mg/Kg	J70
SS04J	AL437	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	304		0	0	mg/Kg	J70
SS04J	AL437	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.1	J	0.02	0.02	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	SODIUM	52.8	J	49.8	51.8	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	NICKEL	2	J	0.3	0.43	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	MANGANESE	104		0.08	0.0819	mg/Kg	J70
SS04J	AL437	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	84.9	J	0.01	0.01	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	ARSENIC	2.2		0.75	0.86	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	POTASSIUM	183	J	37.2	37.2	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	BERYLLIUM	0.22		0.0205	0.0205	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	CALCIUM	46.7	J	29	35	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	CHROMIUM, TOTAL	3.2		0.14	0.225	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	COBALT	2.3		0.26	0.328	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	COPPER	7.8		0.34	0.369	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	IRON	5660		4.21	4.34	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	LEAD	4.1		0.32	0.369	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	ALUMINUM	2710		2.5	2.54	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	VANADIUM	7.7		0.36	0.41	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	ZINC	10.8		0.184	0.184	mg/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	MAGNESIUM	551		28.1	42.6	mg/Kg	J70
SS04J	AL437	11/1/2000	CVOL	ACETONE	90	J	4.34	9	ug/Kg	J70
SS04J	AL437	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	9	ug/Kg	J70
SS04J	AL437	11/1/2000	CVOL	TOLUENE	1	J	0.32	9	ug/Kg	J70
SS04J	AL437	11/1/2000	CL200.7	MOLYBDENUM	1.1	J	0.49	0.635	mg/Kg	J70

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04J	AL437	11/1/2000	CL200.7	THALLIUM	1.1	J	0.64	0.922	mg/Kg	J70
SS04J	AL438	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	81.3	J	0.01	0.01	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	MOLYBDENUM	1.1	J	0.49	0.551	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	MANGANESE	55.1		0.0711	0.0711	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	MAGNESIUM	491		28.1	36.9	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	LEAD	2.7		0.32	0.32	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	ALUMINUM	2180		2.2	2.2	mg/Kg	J70
SS04J	AL438	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	166		0	0	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	THALLIUM	0.87	J	0.64	0.8	mg/Kg	J70
SS04J	AL438	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	7	J	0.02	0.02	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	IRON	4020		3.77	3.77	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	COBALT	2		0.26	0.284	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	CHROMIUM, TOTAL	3.3		0.14	0.195	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	CALCIUM	37.7	J	29	30.3	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	BERYLLIUM	0.16		0.0178	0.0178	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	NICKEL	1.2	J	0.3	0.373	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	ARSENIC	0.98	J	0.746	0.746	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	POTASSIUM	186	J	32.3	32.3	mg/Kg	J70
SS04J	AL438	11/1/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg	J70
SS04J	AL438	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	8	ug/Kg	J70
SS04J	AL438	11/1/2000	CVOL	ACETONE	130	J	4.34	8	ug/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	ZINC	8.3		0.16	0.16	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	VANADIUM	6.3		0.355	0.355	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	COPPER	3.7		0.32	0.32	mg/Kg	J70
SS04J	AL438	11/1/2000	CL200.7	BARIUM	4.9		0.728	0.728	mg/Kg	J70
SS04J	AL439	11/1/2000	SW8151A	DALAPON	130	J	94	130	ug/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	LEAD	10.1		0.32	0.348	mg/Kg	J70
SS04J	AL439	11/1/2000	CVOL	TOLUENE	1	J	0.32	10	ug/Kg	J70
SS04J	AL439	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	10	ug/Kg	J70
SS04J	AL439	11/1/2000	CVOL	ACETONE	82	J	4.34	10	ug/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	ZINC	102		0.174	0.174	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	VANADIUM	16.4		0.36	0.387	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	THALLIUM	5.2	J	0.64	0.87	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	SELENIUM	1.5	J	0.61	0.715	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	POTASSIUM	1750		35.1	35.1	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	NICKEL	9.6		0.3	0.406	mg/Kg	J70
SS04J	AL439	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	70.8	J	0.01	0.01	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	MANGANESE	1590		0.0773	0.0773	mg/Kg	J70
SS04J	AL439	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.7	J	0.02	0.02	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	COPPER	12.4		0.34	0.348	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	COBALT	6.6		0.26	0.309	mg/Kg	J70

J - Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04J	AL439	11/1/2000	CL200.7	CHROMIUM, TOTAL	12.9		0.14	0.213	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	CALCIUM	157		29	33	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	BERYLLIUM	1.4		0.0193	0.0193	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	BARIUM	29		0.792	0.792	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	ARSENIC	1.5	J	0.75	0.812	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	ALUMINUM	4940		2.4	2.4	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	IRON	47100		4.1	4.1	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	MOLYBDENUM	11.5		0.49	0.599	mg/Kg	J70
SS04J	AL439	11/1/2000	CL200.7	MAGNESIUM	1760		28.1	40.2	mg/Kg	J70
SS04K	AL440	11/1/2000	CVOL	ACETONE	210	J	4.34	8	ug/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	ZINC	21.6		0.19	0.19	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	VANADIUM	17.2		0.36	0.422	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	THALLIUM	1.1	J	0.64	0.949	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	SELENIUM	1.2	J	0.61	0.78	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	POTASSIUM	535		38.3	38.3	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	NICKEL	4.5	J	0.3	0.443	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	MANGANESE	92.9		0.08	0.0844	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	MAGNESIUM	1310		28.1	43.8	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	LEAD	8.6		0.32	0.38	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	COPPER	11		0.34	0.38	mg/Kg	J71
SS04K	AL440	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.7	J	0.01	0.01	mg/Kg	J71
SS04K	AL440	11/1/2000	CVOL	TOLUENE	1	J	0.32	8	ug/Kg	J71
SS04K	AL440	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	4760		0	0	mg/Kg	J71
SS04K	AL440	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.4	J	0.02	0.02	mg/Kg	J71
SS04K	AL440	11/1/2000	SW8151A	PICLORAM	8.2	J	2.9	5.4	ug/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	ALUMINUM	8490		2.5	2.62	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	ARSENIC	3.2		0.75	0.886	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	BARIUM	12.5		0.865	0.865	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	BERYLLIUM	0.3		0.0211	0.0211	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	CALCIUM	114		29	36	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	CHROMIUM, TOTAL	10		0.14	0.232	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	COBALT	3.7		0.26	0.337	mg/Kg	J71
SS04K	AL440	11/1/2000	CL200.7	IRON	11000		4.21	4.47	mg/Kg	J71
SS04K	AL440	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	1.8	8	ug/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	IRON	11100		4.21	4.7	mg/Kg	J71
SS04K	AL441	11/1/2000	CVOL	TOLUENE	1	J	0.32	7	ug/Kg	J71
SS04K	AL441	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	7	ug/Kg	J71
SS04K	AL441	11/1/2000	CVOL	ACETONE	130	J	4.34	7	ug/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	ZINC	20.3		0.2	0.2	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	VANADIUM	15.4		0.36	0.444	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	SELENIUM	0.85	J	0.61	0.821	mg/Kg	J71

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04K	AL441	11/1/2000	CL200.7	POTASSIUM	476		40.3	40.3	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	NICKEL	4.1	J	0.3	0.466	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	MANGANESE	89.6		0.08	0.0888	mg/Kg	J71
SS04K	AL441	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	121	J	0.01	0.01	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	LEAD	8.9		0.32	0.399	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	COBALT	3.5		0.26	0.355	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	CALCIUM	109		29	37.9	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	BERYLLIUM	0.32		0.0222	0.0222	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	BARIUM	11.6		0.91	0.91	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	ARSENIC	2.9		0.75	0.932	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	ALUMINUM	8390		2.5	2.75	mg/Kg	J71
SS04K	AL441	11/1/2000	SW8151A	PICLORAM	6.1	NJ	2.9	5.4	ug/Kg	J71
SS04K	AL441	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.8	J	0.02	0.02	mg/Kg	J71
SS04K	AL441	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	4470		0	0	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	CHROMIUM, TOTAL	9.3		0.14	0.244	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	MAGNESIUM	1170		28.1	46.1	mg/Kg	J71
SS04K	AL441	11/1/2000	CL200.7	COPPER	7.9		0.34	0.399	mg/Kg	J71
SS04K	AL442	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	3040		0	0	mg/Kg	J71
SS04K	AL442	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	9.8	J	0.02	0.02	mg/Kg	J71
SS04K	AL442	11/1/2000	SW8151A	PICLORAM	6.4	J	2.9	5.4	ug/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	ALUMINUM	7440		2.23	2.23	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	ARSENIC	3.1		0.75	0.757	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	BARIUM	10.9		0.739	0.739	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	BERYLLIUM	0.27		0.018	0.018	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	CALCIUM	151		29	30.8	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	CHROMIUM, TOTAL	8.2		0.14	0.198	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	COPPER	7.9		0.324	0.324	mg/Kg	J71
SS04K	AL442	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	112	J	0.01	0.01	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	MAGNESIUM	1180		28.1	37.5	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	COBALT	3.3		0.26	0.288	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	MANGANESE	92.4		0.0721	0.0721	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	NICKEL	3.8	J	0.3	0.378	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	POTASSIUM	557		32.7	32.7	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	SELENIUM	0.71	J	0.61	0.667	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	THALLIUM	1.1	J	0.64	0.811	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	VANADIUM	14.6		0.36	0.36	mg/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	ZINC	19.1		0.162	0.162	mg/Kg	J71
SS04K	AL442	11/1/2000	CVOL	ACETONE	130	J	4.34	8	ug/Kg	J71
SS04K	AL442	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	1.8	8	ug/Kg	J71
SS04K	AL442	11/1/2000	CVOL	TOLUENE	1	J	0.32	8	ug/Kg	J71
SS04K	AL442	11/1/2000	CL200.7	LEAD	7		0.32	0.324	mg/Kg	J71

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DL = Detection Limit
RL = Reporting Limit

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04K	AL442	11/1/2000	CL200.7	IRON	9240		3.82	3.82	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	COPPER	6.4		0.34	0.401	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	VANADIUM	16.2		0.36	0.445	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	THALLIUM	1.1	J	0.64	1	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	POTASSIUM	520		40.5	40.5	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	NICKEL	4.2	J	0.3	0.468	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	MANGANESE	103		0.08	0.0891	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	MAGNESIUM	1340		28.1	46.3	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	LEAD	7.8		0.32	0.401	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	IRON	10200		4.21	4.72	mg/Kg	J71
SS04K	AL443	11/1/2000	CVOL	ACETONE	220	J	4.34	9	ug/Kg	J71
SS04K	AL443	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	1850		0	0	mg/Kg	J71
SS04K	AL443	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	1.8	9	ug/Kg	J71
SS04K	AL443	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	9.7	J	0.02	0.02	mg/Kg	J71
SS04K	AL443	11/1/2000	SW8151A	PICLORAM	6.3	J	2.9	5.4	ug/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	ALUMINUM	8230		2.5	2.76	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	ARSENIC	3.8		0.75	0.935	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	BARIUM	11.9		0.913	0.913	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	BERYLLIUM	0.33		0.0223	0.0223	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	CALCIUM	117		29	38	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	CHROMIUM, TOTAL	9.7		0.14	0.245	mg/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	COBALT	4.1		0.26	0.356	mg/Kg	J71
SS04K	AL443	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	98.9	J	0.01	0.01	mg/Kg	J71
SS04K	AL443	11/1/2000	CVOL	TOLUENE	3	J	0.32	9	ug/Kg	J71
SS04K	AL443	11/1/2000	CL200.7	ZINC	18.2		0.2	0.2	mg/Kg	J71
SS04L	AL444	11/1/2000	CL200.7	BERYLLIUM	0.23		0.0207	0.0207	mg/Kg	J70
SS04L	AL444	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	1.8	7	ug/Kg	J70
SS04L	AL444	11/1/2000	CVOL	ACETONE	67	J	4.34	7	ug/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	ZINC	16.6		0.187	0.187	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	VANADIUM	11.8		0.36	0.415	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	POTASSIUM	350		37.7	37.7	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	NICKEL	2.3	J	0.3	0.435	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	MANGANESE	71.1		0.08	0.0829	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	MAGNESIUM	839		28.1	43.1	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	LEAD	5.2		0.32	0.373	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	IRON	7320		4.21	4.39	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	CHROMIUM, TOTAL	5.7		0.14	0.228	mg/Kg	J70
SS04L	AL444	11/1/2000	CVOL	TOLUENE	1	J	0.32	7	ug/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	COBALT	2.6		0.26	0.332	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	BARIUM	8.6		0.85	0.85	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	ARSENIC	2.7		0.75	0.871	mg/Kg	J70

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04L	AL444	11/1/2000	CL200.7	ALUMINUM	4670		2.5	2.57	mg/Kg	J70
SS04L	AL444	11/1/2000	SW8151A	PICLORAM	6.4	J	2.9	5.1	ug/Kg	J70
SS04L	AL444	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.9	J	0.02	0.02	mg/Kg	J70
SS04L	AL444	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	2970		0	0	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	CALCIUM	96		29	35.4	mg/Kg	J70
SS04L	AL444	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	99.8	J	0.01	0.01	mg/Kg	J70
SS04L	AL444	11/1/2000	CL200.7	COPPER	7.2		0.34	0.373	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	POTASSIUM	320		31.2	31.2	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	COBALT	2.5		0.26	0.275	mg/Kg	J70
SS04L	AL445	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	71.2	J	0.01	0.01	mg/Kg	J70
SS04L	AL445	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	711		0	0	mg/Kg	J70
SS04L	AL445	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.2	J	0.02	0.02	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	ALUMINUM	4450		2.13	2.13	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	ARSENIC	2.4		0.721	0.721	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	BARIUM	8.2		0.704	0.704	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	BERYLLIUM	0.23		0.0172	0.0172	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	CALCIUM	90.1		29	29.3	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	MANGANESE	67.6		0.0687	0.0687	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	MAGNESIUM	809		28.1	35.7	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	NICKEL	2.2	J	0.3	0.361	mg/Kg	J70
SS04L	AL445	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	1.8	11	ug/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	COPPER	4		0.309	0.309	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	IRON	6590		3.64	3.64	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	LEAD	5.3		0.309	0.309	mg/Kg	J70
SS04L	AL445	11/1/2000	CVOL	TOLUENE	1	J	0.32	11	ug/Kg	J70
SS04L	AL445	11/1/2000	CVOL	ACETONE	130	J	4.34	11	ug/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	ZINC	12		0.155	0.155	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	VANADIUM	10.2		0.343	0.343	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	THALLIUM	0.93	J	0.64	0.773	mg/Kg	J70
SS04L	AL445	11/1/2000	CL200.7	CHROMIUM, TOTAL	5.5		0.14	0.189	mg/Kg	J70
SS04L	AL445	11/1/2000	CPEST	METHOXYCHLOR	65		1.2	19	ug/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	MANGANESE	83.8		0.0729	0.0729	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	CALCIUM	140		29	31.1	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	CHROMIUM, TOTAL	6.9		0.14	0.201	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	COBALT	3.2		0.26	0.292	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	COPPER	5.5		0.328	0.328	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	IRON	8380		3.87	3.87	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	BERYLLIUM	0.26		0.0182	0.0182	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	MAGNESIUM	1190		28.1	37.9	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	ALUMINUM	6030		2.26	2.26	mg/Kg	J70
SS04L	AL446	11/1/2000	CVOL	ACETONE	50	J	4.34	8	ug/Kg	J70

J - Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04L	AL446	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	1.8	8	ug/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	NICKEL	4.4	J	0.3	0.383	mg/Kg	J70
SS04L	AL446	11/1/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	ZINC	15.1		0.29	0.638	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	LEAD	5.9		0.32	0.328	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	VANADIUM	13		0.36	0.365	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	POTASSIUM	407		33.1	33.1	mg/Kg	J70
SS04L	AL446	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	123		0.01	0.01	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	ARSENIC	2.6		0.75	0.766	mg/Kg	J70
SS04L	AL446	11/1/2000	CL200.7	BARIUM	9.2		0.748	0.748	mg/Kg	J70
SS04M	AL427	11/1/2000	CL200.7	BERYLLIUM	0.27		0.0255	0.0255	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	IRON	12600		4.21	5.4	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	LEAD	12.8		0.32	0.458	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	COPPER	22.9		0.34	0.458	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	COBALT	2.8		0.26	0.407	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	CALCIUM	256		29	43.5	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	BARIUM	15.9		1.04	1.04	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	ANTIMONY	1.2	J	0.5	1.17	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	ALUMINUM	11200		2.5	3.16	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	ARSENIC	4		0.75	1.07	mg/Kg	J67
SS04M	AL427	11/1/2000	SW8151A	PICLORAM	7.7	NJ	2.9	6.1	ug/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	CHROMIUM, TOTAL	11.1		0.14	0.28	mg/Kg	J67
SS04M	AL427	11/1/2000	CVOL	ACETONE	350	J	4.34	15	ug/Kg	J67
SS04M	AL427	11/1/2000	SW8151A	ACIFLUORFEN	31	J	1.4	6.2	ug/Kg	J67
SS04M	AL427	11/1/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.42		0.01	0.01	mg/Kg	J67
SS04M	AL427	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	22.1	J	0.02	0.02	mg/Kg	J67
SS04M	AL427	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	42100		0	0	mg/Kg	J67
SS04M	AL427	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	142	J	0.01	0.01	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	MAGNESIUM	1120		28.1	52.9	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	MANGANESE	72.1		0.08	0.102	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	NICKEL	4.1	J	0.3	0.535	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	POTASSIUM	481		46.3	46.3	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	THALLIUM	1.6	J	0.64	1.15	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	VANADIUM	22.9		0.36	0.509	mg/Kg	J67
SS04M	AL427	11/1/2000	CL200.7	ZINC	30.6		0.229	0.229	mg/Kg	J67
SS04M	AL427	11/1/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	1100		123	430	ug/Kg	J67
SS04M	AL427	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	31	J	1.8	15	ug/Kg	J67
SS04M	AL427	11/1/2000	CVOL	TOLUENE	2	J	0.32	15	ug/Kg	J67
SS04M	AL427	11/1/2000	CPEST	ALPHA-CHLORDANE	1.5	J	0.078	2.2	ug/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	BERYLLIUM	0.27		0.0184	0.0184	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	BARIUM	14.5		0.753	0.753	mg/Kg	J67

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04M	AL428	11/1/2000	CL200.7	ARSENIC	4.4		0.75	0.772	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	ALUMINUM	10500		2.28	2.28	mg/Kg	J67
SS04M	AL428	11/1/2000	SW8151A	PICLORAM	6.8	NJ	2.9	5.9	ug/Kg	J67
SS04M	AL428	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	60.9	J	0.01	0.01	mg/Kg	J67
SS04M	AL428	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	15500		0	0	mg/Kg	J67
SS04M	AL428	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	15.2	J	0.02	0.02	mg/Kg	J67
SS04M	AL428	11/1/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.61		0.01	0.01	mg/Kg	J67
SS04M	AL428	11/1/2000	SW8151A	ACIFLUORFEN	7.5	NJ	1.4	6	ug/Kg	J67
SS04M	AL428	11/1/2000	SW8151A	MCPP	14000	NJ	1365	10000	ug/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	CHROMIUM, TOTAL	10.7		0.14	0.202	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	MOLYBDENUM	0.64	J	0.49	0.569	mg/Kg	J67
SS04M	AL428	11/1/2000	CVOL	TOLUENE	3	J	0.32	12	ug/Kg	J67
SS04M	AL428	11/1/2000	CVOL	ACETONE	340	J	4.34	12	ug/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	VANADIUM	21.7		0.36	0.367	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	THALLIUM	1	J	0.64	0.827	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	SELENIUM	0.73	J	0.61	0.68	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	CALCIUM	106		29	31.4	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	NICKEL	3.8	J	0.3	0.386	mg/Kg	J67
SS04M	AL428	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	35	J	1.8	12	ug/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	MANGANESE	60.7		0.0735	0.0735	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	MAGNESIUM	1010		28.1	38.2	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	LEAD	15.3		0.32	0.331	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	IRON	12700		3.89	3.89	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	COPPER	40		0.331	0.331	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	COBALT	2.6		0.26	0.294	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	POTASSIUM	415		33.4	33.4	mg/Kg	J67
SS04M	AL428	11/1/2000	CL200.7	ZINC	26.7		0.165	0.165	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	POTASSIUM	535		43.4	43.4	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	COPPER	9.9		0.34	0.43	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	IRON	10600		4.21	5.07	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	LEAD	8.4		0.32	0.43	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	MAGNESIUM	1180		28.1	49.7	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	NICKEL	3.2	J	0.3	0.502	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	BERYLLIUM	0.27		0.0239	0.0239	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	VANADIUM	17.4		0.36	0.478	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	ZINC	20.3		0.215	0.215	mg/Kg	J67
SS04M	AL429	11/1/2000	CVOL	ACETONE	200	J	4.34	13	ug/Kg	J67
SS04M	AL429	11/1/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	15	J	1.8	13	ug/Kg	J67
SS04M	AL429	11/1/2000	CVOL	TOLUENE	2	J	0.32	13	ug/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	CALCIUM	94.5		29	40.8	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	MANGANESE	55.5		0.08	0.0956	mg/Kg	J67

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS04M	AL429	11/1/2000	CL200.7	CHROMIUM, TOTAL	9.5		0.14	0.263	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	ARSENIC	3.3		0.75	1	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	BARIUM	13.4		0.98	0.98	mg/Kg	J67
SS04M	AL429	11/1/2000	SW8151A	PICLORAM	8.2	J	2.9	5.7	ug/Kg	J67
SS04M	AL429	11/1/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.71		0.01	0.01	mg/Kg	J67
SS04M	AL429	11/1/2000	E350.2	NITROGEN, AMMONIA (AS N)	8.2	J	0.02	0.02	mg/Kg	J67
SS04M	AL429	11/1/2000	LYDKHN	TOTAL ORGANIC CARBON	11700		0	0	mg/Kg	J67
SS04M	AL429	11/1/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	107	J	0.01	0.01	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	COBALT	3.1		0.26	0.383	mg/Kg	J67
SS04M	AL429	11/1/2000	CL200.7	ALUMINUM	9180		2.5	2.97	mg/Kg	J67
SS112A	AK284	10/10/2000	CVOL	TOLUENE	0.8	J	0.32	8	ug/Kg	
SS112A	AK284	10/10/2000	CL200.7	POTASSIUM	299		34	34	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	SELENIUM	0.81	J	0.61	0.693	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	NICKEL	4.2		0.3	0.637	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	SILVER	0.59	J	0.17	0.487	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	VANADIUM	14.6		0.356	0.356	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	ZINC	19.4		0.29	0.655	mg/Kg	
SS112A	AK284	10/10/2000	CPEST	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	1.1	J	0.12	2	ug/Kg	
SS112A	AK284	10/10/2000	CPEST	HEPTACHLOR	1.3	J	0.11	2	ug/Kg	
SS112A	AK284	10/10/2000	CPEST	P,P'-DDT	2.7	J	0.26	3.9	ug/Kg	
SS112A	AK284	10/10/2000	SW8270	BENZOIC ACID	54	J	54	990	ug/Kg	
SS112A	AK284	10/10/2000	CVOL	ACETONE	39	J	4.34	8	ug/Kg	
SS112A	AK284	10/10/2000	CL200.7	MOLYBDENUM	0.72	J	0.49	0.581	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	CADMIUM	0.11		0.0562	0.0562	mg/Kg	
SS112A	AK284	10/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	31	J	31	390	ug/Kg	
SS112A	AK284	10/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	14.7	J	0.02	0.02	mg/Kg	
SS112A	AK284	10/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.8	J	0.01	0.01	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	MANGANESE	53.5	J	0.08	0.281	mg/Kg	
SS112A	AK284	10/10/2000	LYDKHN	TOTAL ORGANIC CARBON	30800	J	0	0	mg/Kg	
SS112A	AK284	10/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.01	0.01	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	ALUMINUM	4900		2.5	5.02	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	ARSENIC	2.4		0.75	0.787	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	BARIUM	10.7		0.768	0.768	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	MAGNESIUM	577		28.1	38.9	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	CHROMIUM, TOTAL	7		0.14	0.187	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	COBALT	0.94		0.26	0.506	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	COPPER	34		0.34	0.618	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	IRON	7310		4.21	4.76	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	LEAD	13.3		0.32	0.337	mg/Kg	
SS112A	AK284	10/10/2000	CL200.7	BERYLLIUM	0.13		0.0187	0.0187	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	LEAD	6.3		0.318	0.318	mg/Kg	

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS112A	AK285	10/10/2000	CL200.7	MAGNESIUM	502		28.1	36.7	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	MANGANESE	30.4	J	0.08	0.265	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	MOLYBDENUM	0.9	J	0.49	0.547	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	NICKEL	2.8		0.3	0.6	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	POTASSIUM	275		32.1	32.1	mg/Kg	
SS112A	AK285	10/10/2000	CVOL	ACETONE	41	J	4.34	8	ug/Kg	
SS112A	AK285	10/10/2000	CL200.7	ZINC	13		0.29	0.618	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	IRON	9290		4.21	4.48	mg/Kg	
SS112A	AK285	10/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	49	J	49	380	ug/Kg	
SS112A	AK285	10/10/2000	CL200.7	VANADIUM	14.2		0.335	0.335	mg/Kg	
SS112A	AK285	10/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	95.6	J	0.01	0.01	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	CHROMIUM, TOTAL	7.8		0.14	0.177	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	BERYLLIUM	0.13		0.0176	0.0176	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	BARIUM	7.6		0.724	0.724	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	ARSENIC	3		0.741	0.741	mg/Kg	
SS112A	AK285	10/10/2000	CL200.7	ALUMINUM	7750		2.5	4.73	mg/Kg	
SS112A	AK285	10/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.01	0.01	mg/Kg	
SS112A	AK285	10/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.3	J	0.02	0.02	mg/Kg	
SS112A	AK285	10/10/2000	LYDKHN	TOTAL ORGANIC CARBON	24200	J	0	0	mg/Kg	
SS112A	AK285	10/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	4	J	1.8	8	ug/Kg	
SS112A	AK285	10/10/2000	CL200.7	COPPER	5.8		0.34	0.582	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	MAGNESIUM	641		28.1	38.6	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	NICKEL	3.1		0.3	0.632	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	POTASSIUM	261		33.8	33.8	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	SELENIUM	0.76	J	0.61	0.688	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	VANADIUM	14		0.353	0.353	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	ZINC	11.1		0.29	0.651	mg/Kg	
SS112A	AK286	10/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32	J	32	380	ug/Kg	
SS112A	AK286	10/10/2000	CVOL	TOLUENE	0.7	J	0.32	6	ug/Kg	
SS112A	AK286	10/10/2000	CL200.7	LEAD	6.5		0.32	0.335	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	COPPER	3.2		0.34	0.613	mg/Kg	
SS112A	AK286	10/10/2000	CVOL	ACETONE	36	J	4.34	6	ug/Kg	
SS112A	AK286	10/10/2000	LYDKHN	TOTAL ORGANIC CARBON	5480	J	0	0	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	MANGANESE	33	J	0.08	0.279	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	IRON	9100		4.21	4.72	mg/Kg	
SS112A	AK286	10/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	102	J	0.01	0.01	mg/Kg	
SS112A	AK286	10/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.2	J	0.02	0.02	mg/Kg	
SS112A	AK286	10/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	ALUMINUM	8770		2.5	4.98	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	ARSENIC	3.6		0.75	0.781	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	BARIUM	8.8		0.762	0.762	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS112A	AK286	10/10/2000	CL200.7	BERYLLIUM	0.15		0.0186	0.0186	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	CHROMIUM, TOTAL	8.9		0.14	0.186	mg/Kg	
SS112A	AK286	10/10/2000	CL200.7	COBALT	0.72		0.26	0.502	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	ARSENIC	2.3		0.75	0.938	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	VANADIUM	12.1		0.36	0.424	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	MAGNESIUM	473		28.1	46.4	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	MANGANESE	38.3	J	0.08	0.335	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	NICKEL	2.3		0.3	0.759	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	POTASSIUM	246		40.6	40.6	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	ZINC	15.9		0.29	0.782	mg/Kg	
SS112B	AK299	10/10/2000	SW8270	BENZOIC ACID	48	J	48	960	ug/Kg	
SS112B	AK299	10/10/2000	CVOL	ACETONE	310	J	4.34	9	ug/Kg	
SS112B	AK299	10/10/2000	CVOL	CHLOROFORM	0.8	J	0.2	9	ug/Kg	
SS112B	AK299	10/10/2000	CL200.7	LEAD	7.7		0.32	0.402	mg/Kg	
SS112B	AK299	10/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	1.8	9	ug/Kg	
SS112B	AK299	10/10/2000	SW8151A	PENTACHLOROPHENOL	25	J	7.6	20	ug/Kg	
SS112B	AK299	10/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.2	J	0.01	0.01	mg/Kg	
SS112B	AK299	10/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.01	0.01	mg/Kg	
SS112B	AK299	10/10/2000	LYDKHN	TOTAL ORGANIC CARBON	24300	J	0	0	mg/Kg	
SS112B	AK299	10/10/2000	SW8151A	PICLORAM	16	NJ	2.9	5.5	ug/Kg	
SS112B	AK299	10/10/2000	CL200.7	ALUMINUM	5140		2.5	5.99	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	IRON	6930		4.21	5.67	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	BARIUM	8.4		0.916	0.916	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	BERYLLIUM	0.13		0.0223	0.0223	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	CHROMIUM, TOTAL	5.6		0.14	0.223	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	COBALT	0.75		0.26	0.603	mg/Kg	
SS112B	AK299	10/10/2000	CL200.7	COPPER	10.5		0.34	0.737	mg/Kg	
SS112B	AK299	10/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	11	J	0.02	0.02	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	COPPER	3.6		0.34	0.676	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	VANADIUM	12.9		0.36	0.389	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	POTASSIUM	280		37.2	37.2	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	NICKEL	2.9		0.3	0.696	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	MOLYBDENUM	0.78	J	0.49	0.635	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	MANGANESE	28.4	J	0.08	0.307	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	MAGNESIUM	591		28.1	42.6	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	LEAD	6.3		0.32	0.369	mg/Kg	
SS112B	AK300	10/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	85.6	J	0.01	0.01	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	IRON	8780		4.21	5.2	mg/Kg	
SS112B	AK300	10/10/2000	CVOL	ACETONE	30	J	4.34	7	ug/Kg	
SS112B	AK300	10/10/2000	LYDKHN	TOTAL ORGANIC CARBON	10300	J	0	0	mg/Kg	
SS112B	AK300	10/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.7	J	0.02	0.02	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS112B	AK300	10/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.05		0.01	0.01	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	ARSENIC	2.7		0.75	0.86	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	BARIUM	8.7		0.84	0.84	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	BERYLLIUM	0.14		0.0205	0.0205	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	CHROMIUM, TOTAL	8.3		0.14	0.205	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	ALUMINUM	8070		2.5	5.49	mg/Kg	
SS112B	AK300	10/10/2000	CL200.7	ZINC	11		0.29	0.717	mg/Kg	
SS112B	AK301	10/10/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	10	J	1.8	7	ug/Kg	
SS112B	AK301	10/10/2000	CL200.7	MAGNESIUM	648		28.1	41.4	mg/Kg	
SS112B	AK301	10/10/2000	CL200.7	MANGANESE	26.7	J	0.08	0.298	mg/Kg	
SS112B	AK301	10/10/2000	CL200.7	NICKEL	3.1		0.3	0.676	mg/Kg	
SS112B	AK301	10/10/2000	CL200.7	POTASSIUM	301		36.1	36.1	mg/Kg	
SS112B	AK301	10/10/2000	CL200.7	VANADIUM	11.8		0.36	0.378	mg/Kg	
SS112B	AK301	10/10/2000	CL200.7	ZINC	9.7		0.29	0.696	mg/Kg	
SS112B	AK301	10/10/2000	CVOL	ACETONE	160	J	4.34	7	ug/Kg	
SS112B	AK301	10/10/2000	CL200.7	LEAD	5.4		0.32	0.358	mg/Kg	
SS112B	AK301	10/10/2000	E350.2	NITROGEN, AMMONIA (AS N)	4.9	J	0.02	0.02	mg/Kg	
SS112B	AK301	10/10/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	29	J	29	380	ug/Kg	
SS112B	AK301	10/10/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.03		0.01	0.01	mg/Kg	
SS112B	AK301	10/10/2000	SW8151A	DALAPON	160	NJ	94	140	ug/Kg	
SS112B	AK301	10/10/2000	CL200.7	IRON	7360		4.21	5.05	mg/Kg	
SS112B	AK301	10/10/2000	LYDKHN	TOTAL ORGANIC CARBON	5420	J	0	0	mg/Kg	
SS112B	AK301	10/10/2000	CVOL	TOLUENE	4	J	0.32	7	ug/Kg	
SS112B	AK301	10/10/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	78.4	J	0.01	0.01	mg/Kg	
SS112B	AK301	10/10/2000	SW8151A	MCPA	35000	NJ	965	9200	ug/Kg	
SS112B	AK301	10/10/2000	CL200.7	ALUMINUM	7850		2.5	5.33	mg/Kg	
SS112B	AK301	10/10/2000	CL200.7	ARSENIC	2.9		0.75	0.835	mg/Kg	
SS112B	AK301	10/10/2000	CL200.7	BARIUM	8.2		0.816	0.816	mg/Kg	
SS112B	AK301	10/10/2000	CL200.7	BERYLLIUM	0.13		0.0199	0.0199	mg/Kg	
SS112B	AK301	10/10/2000	CL200.7	CHROMIUM, TOTAL	8.4		0.14	0.199	mg/Kg	
SS112B	AK301	10/10/2000	CL200.7	COPPER	1.4		0.34	0.656	mg/Kg	
SS113A	AK319	10/12/2000	CL200.7	VANADIUM	18.8		0.36	0.377	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	MANGANESE	75.7	J	0.0753	0.0753	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	MOLYBDENUM	2.1		0.49	0.584	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	NICKEL	8.5		0.3	0.396	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	POTASSIUM	496		34.2	34.2	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	MAGNESIUM	1020		28.1	39.2	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	ZINC	55.7		0.17	0.17	mg/Kg	J66
SS113A	AK319	10/12/2000	CPEST	P,P'-DDT	3	J	0.26	3.7	ug/Kg	J66
SS113A	AK319	10/12/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	51	J	51	370	ug/Kg	J66
SS113A	AK319	10/12/2000	SW8270	DI-N-BUTYL PHTHALATE	80	J	80	370	ug/Kg	J66

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS113A	AK319	10/12/2000	CVOL	ACETONE	480	J	4.34	14	ug/Kg	J66
SS113A	AK319	10/12/2000	CVOL	TOLUENE	4	J	0.32	14	ug/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	LEAD	62.7	J	0.32	0.339	mg/Kg	J66
SS113A	AK319	10/12/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	1.8	14	ug/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	ARSENIC	2.3		0.75	0.791	mg/Kg	J66
SS113A	AK319	10/12/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	111	J	0.01	0.01	mg/Kg	J66
SS113A	AK319	10/12/2000	LYDKHN	TOTAL ORGANIC CARBON	26300	J	0	0	mg/Kg	J66
SS113A	AK319	10/12/2000	E350.2	NITROGEN, AMMONIA (AS N)	28.7	J	0.02	0.02	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	IRON	11400		3.99	3.99	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	ALUMINUM	8080		2.34	2.34	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	BARIUM	58.8		0.772	0.772	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	BERYLLIUM	0.15		0.0188	0.0188	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	BORON	4.3		0.63	1.02	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	CADMIUM	2.4		0.0565	0.0565	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	CALCIUM	131		29	32.1	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	CHROMIUM, TOTAL	29.9		0.14	0.188	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	COBALT	2.6		0.26	0.301	mg/Kg	J66
SS113A	AK319	10/12/2000	CL200.7	COPPER	42.4		0.339	0.339	mg/Kg	J66
SS113A	AK319	10/12/2000	SW8151A	MCPP	29000	NJ	1365	9300	ug/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	IRON	10700		4.21	4.38	mg/Kg	J66
SS113A	AK320	10/12/2000	CVOL	ACETONE	360	J	4.34	12	ug/Kg	J66
SS113A	AK320	10/12/2000	SW8270	CHRYSENE	23	J	23	390	ug/Kg	J66
SS113A	AK320	10/12/2000	CPEST	P,P'-DDT	2	J	0.26	3.9	ug/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	ZINC	33.6		0.186	0.186	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	VANADIUM	18.6		0.36	0.413	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	POTASSIUM	498		37.5	37.5	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	NICKEL	11		0.3	0.434	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	MANGANESE	51	J	0.08	0.0827	mg/Kg	J66
SS113A	AK320	10/12/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	16	J	1.8	12	ug/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	LEAD	19.3	J	0.32	0.372	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	BARIUM	18.1		0.847	0.847	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	MAGNESIUM	945		28.1	43	mg/Kg	J66
SS113A	AK320	10/12/2000	CVOL	TOLUENE	3	J	0.32	12	ug/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	COBALT	2.3		0.26	0.331	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	CHROMIUM, TOTAL	11.6		0.14	0.207	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	CALCIUM	104		29	35.3	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	CADMIUM	0.95		0.062	0.062	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	BORON	4.3		0.63	1.12	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	BERYLLIUM	0.14		0.0207	0.0207	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	ARSENIC	3.2		0.75	0.868	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	ALUMINUM	10000		2.5	2.56	mg/Kg	J66

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS113A	AK320	10/12/2000	E350.2	NITROGEN, AMMONIA (AS N)	17.1	J	0.02	0.02	mg/Kg	J66
SS113A	AK320	10/12/2000	LYDKHN	TOTAL ORGANIC CARBON	16500	J	0	0	mg/Kg	J66
SS113A	AK320	10/12/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	97	J	0.01	0.01	mg/Kg	J66
SS113A	AK320	10/12/2000	CL200.7	COPPER	15.2		0.34	0.372	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	BARIUM	15.8		0.892	0.892	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	LEAD	14	J	0.32	0.392	mg/Kg	J66
SS113A	AK321	10/12/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	90.2	J	0.01	0.01	mg/Kg	J66
SS113A	AK321	10/12/2000	CVOL	TOLUENE	6	J	0.32	10	ug/Kg	J66
SS113A	AK321	10/12/2000	CVOL	BENZENE	1	J	0.41	10	ug/Kg	J66
SS113A	AK321	10/12/2000	CVOL	ACETONE	560	J	4.34	10	ug/Kg	J66
SS113A	AK321	10/12/2000	SW8270	DI-N-BUTYL PHTHALATE	31	J	31	390	ug/Kg	J66
SS113A	AK321	10/12/2000	CPEST	P,P'-DDT	2.9	J	0.26	3.9	ug/Kg	J66
SS113A	AK321	10/12/2000	CPEST	P,P'-DDE	2.1	J	0.22	3.9	ug/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	ZINC	54.9		0.196	0.196	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	VANADIUM	19.2		0.36	0.435	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	POTASSIUM	558		39.5	39.5	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	NICKEL	8.5		0.3	0.457	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	ALUMINUM	9770		2.5	2.7	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	MAGNESIUM	1130		28.1	45.3	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	IRON	13100		4.21	4.61	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	ARSENIC	2.9		0.75	0.914	mg/Kg	J66
SS113A	AK321	10/12/2000	LYDKHN	TOTAL ORGANIC CARBON	12900	J	0	0	mg/Kg	J66
SS113A	AK321	10/12/2000	E350.2	NITROGEN, AMMONIA (AS N)	14.7	J	0.02	0.02	mg/Kg	J66
SS113A	AK321	10/12/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.04	J	0.01	0.01	mg/Kg	J66
SS113A	AK321	10/12/2000	SW8151A	4-NITROPHENOL	140	J	58	110	ug/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	MANGANESE	56.1	J	0.08	0.0871	mg/Kg	J66
SS113A	AK321	10/12/2000	SW8151A	MCPP	28000	NJ	1365	9700	ug/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	COPPER	14		0.34	0.392	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	BERYLLIUM	0.16		0.0218	0.0218	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	BORON	5.4		0.63	1.18	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	CADMIUM	0.23		0.0653	0.0653	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	CALCIUM	132		29	37.2	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	CHROMIUM, TOTAL	11.7		0.14	0.218	mg/Kg	J66
SS113A	AK321	10/12/2000	CL200.7	COBALT	2.7		0.26	0.348	mg/Kg	J66
SS113A	AK321	10/12/2000	SW8151A	CHLORAMBEN	42	NJ	6.4	6.4	ug/Kg	J66
SS113A	AK326	10/12/2000	SW8330	2-AMINO-4,6-DINITROTOLUENE	300		27	120	ug/Kg	J66
SS113A	AK326	10/12/2000	SW8330	4-AMINO-2,6-DINITROTOLUENE	220	J	25	120	ug/Kg	J66
SS113A	AK326	10/12/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	700		29	120	ug/Kg	J66
SS113A	AK326	10/12/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX	190		23	120	ug/Kg	J66
SS113A	AK330	10/12/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX	220		23	120	ug/Kg	J66
SS113A	AK330	10/12/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	940		29	120	ug/Kg	J66

J - Estimated
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS113B	AK334	10/12/2000	CL200.7	VANADIUM	14.9		0.36	0.428	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	LEAD	24.8	J	0.32	0.385	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	MAGNESIUM	767		28.1	44.5	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	MANGANESE	46.9	J	0.08	0.0856	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	MOLYBDENUM	1.4		0.49	0.663	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	POTASSIUM	394		38.9	38.9	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	COBALT	1.6		0.26	0.342	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	ZINC	218		0.193	0.193	mg/Kg	J66
SS113B	AK334	10/12/2000	CPEST	PCB-1260 (AROCHLOR 1260)	21	J	9.4	38	ug/Kg	J66
SS113B	AK334	10/12/2000	CPEST	P,P'-DDT	4.6		0.26	3.8	ug/Kg	J66
SS113B	AK334	10/12/2000	CVOL	ACETONE	490	J	4.34	12	ug/Kg	J66
SS113B	AK334	10/12/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	19	J	1.8	12	ug/Kg	J66
SS113B	AK334	10/12/2000	CVOL	TOLUENE	7	J	0.32	12	ug/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	NICKEL	12.1		0.3	0.449	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	ARSENIC	1.3	J	0.75	0.899	mg/Kg	J66
SS113B	AK334	10/12/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	110	J	0.01	0.01	mg/Kg	J66
SS113B	AK334	10/12/2000	LYDKHN	TOTAL ORGANIC CARBON	13400	J	0	0	mg/Kg	J66
SS113B	AK334	10/12/2000	E350.2	NITROGEN, AMMONIA (AS N)	20.3	J	0.02	0.02	mg/Kg	J66
SS113B	AK334	10/12/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg	J66
SS113B	AK334	10/12/2000	SW8151A	4-NITROPHENOL	490	J	58	100	ug/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	IRON	8020		4.21	4.54	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	ALUMINUM	8400		2.5	2.65	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	COPPER	75.9		0.34	0.385	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	BARIUM	10.5		0.877	0.877	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	BERYLLIUM	0.13		0.0214	0.0214	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	BORON	3.4		0.63	1.16	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	CADMIUM	0.22		0.0642	0.0642	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	CALCIUM	131		29	36.5	mg/Kg	J66
SS113B	AK334	10/12/2000	CL200.7	CHROMIUM, TOTAL	11.5		0.14	0.214	mg/Kg	J66
SS113B	AK334	10/12/2000	SW8151A	CHLORAMBEN	9.9	NJ	6.1	6.1	ug/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	CADMIUM	0.2		0.0621	0.0621	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	THALLIUM	1	J	0.64	0.932	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	BERYLLIUM	0.15		0.0207	0.0207	mg/Kg	J66
SS113B	AK335	10/12/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	100	J	0.01	0.01	mg/Kg	J66
SS113B	AK335	10/12/2000	CVOL	TOLUENE	2	J	0.32	13	ug/Kg	J66
SS113B	AK335	10/12/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	13	J	1.8	13	ug/Kg	J66
SS113B	AK335	10/12/2000	CVOL	ACETONE	230	J	4.34	13	ug/Kg	J66
SS113B	AK335	10/12/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	98	J	98	380	ug/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	VANADIUM	14.3		0.36	0.414	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	POTASSIUM	388		37.6	37.6	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	NICKEL	4.6		0.3	0.435	mg/Kg	J66

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS113B	AK335	10/12/2000	CL200.7	MANGANESE	46.8	J	0.08	0.0829	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	MAGNESIUM	779		28.1	43.1	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	LEAD	17.9	J	0.32	0.373	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	BARIUM	16.5		0.849	0.849	mg/Kg	J66
SS113B	AK335	10/12/2000	LYDKHN	TOTAL ORGANIC CARBON	9540	J	0	0	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	ZINC	154		0.186	0.186	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	IRON	8760		4.21	4.39	mg/Kg	J66
SS113B	AK335	10/12/2000	SW8151A	DICAMBA	7	NJ	0.84	5.4	ug/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	ARSENIC	1.9		0.75	0.87	mg/Kg	J66
SS113B	AK335	10/12/2000	E350.2	NITROGEN, AMMONIA (AS N)	17.9	J	0.02	0.02	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	BORON	4		0.63	1.12	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	CALCIUM	107		29	35.4	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	CHROMIUM, TOTAL	10.3		0.14	0.207	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	COBALT	1.8		0.26	0.332	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	COPPER	31.8		0.34	0.373	mg/Kg	J66
SS113B	AK335	10/12/2000	CL200.7	ALUMINUM	8450		2.5	2.57	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	LEAD	10.6	J	0.32	0.346	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	IRON	8610		4.07	4.07	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	POTASSIUM	456		34.9	34.9	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	MAGNESIUM	909		28.1	40	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	MANGANESE	56	J	0.0769	0.0769	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	NICKEL	4.4		0.3	0.404	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	VANADIUM	14.5		0.36	0.384	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	ZINC	105		0.173	0.173	mg/Kg	J66
SS113B	AK336	10/12/2000	CVOL	ACETONE	350	J	4.34	9	ug/Kg	J66
SS113B	AK336	10/12/2000	CVOL	TOLUENE	4	J	0.32	9	ug/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	COPPER	11.5		0.34	0.346	mg/Kg	J66
SS113B	AK336	10/12/2000	E350.2	NITROGEN, AMMONIA (AS N)	12.6	J	0.02	0.02	mg/Kg	J66
SS113B	AK336	10/12/2000	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	9	J	1.8	9	ug/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	ALUMINUM	8370		2.38	2.38	mg/Kg	J66
SS113B	AK336	10/12/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	87.2	J	0.01	0.01	mg/Kg	J66
SS113B	AK336	10/12/2000	LYDKHN	TOTAL ORGANIC CARBON	6790	J	0	0	mg/Kg	J66
SS113B	AK336	10/12/2000	SW8151A	BENTAZON	130	NJ	11	69	ug/Kg	J66
SS113B	AK336	10/12/2000	SW8151A	CHLORAMBEN	11	NJ	6	6	ug/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	COBALT	2.1		0.26	0.308	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	ARSENIC	2.8		0.75	0.807	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	BARIUM	13.2		0.788	0.788	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	BERYLLIUM	0.15		0.0192	0.0192	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	BORON	3.9		0.63	1.04	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	CADMIUM	0.14		0.0577	0.0577	mg/Kg	J66
SS113B	AK336	10/12/2000	CL200.7	CALCIUM	84.4		29	32.8	mg/Kg	J66

J - Estimated
NJ = Estimated Result
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS113B	AK336	10/12/2000	CL200.7	CHROMIUM, TOTAL	9.8		0.14	0.192	mg/Kg	J66
SS113B	AK336	10/12/2000	E353.2	NITROGEN, NITRATE-NITRITE	0.02	J	0.01	0.01	mg/Kg	J66
SS113B	AK337	10/12/2000	SW8330	2-AMINO-4,6-DINITROTOLUENE	140	J	27	120	ug/Kg	J66
SS113B	AK337	10/12/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	370	J	29	120	ug/Kg	J66
SS113B	AK337	10/12/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX	650	J	23	120	ug/Kg	J66
SS119A	AK827	10/18/2000	CL200.7	MANGANESE	40		0.08	0.0854	mg/Kg	I68
SS119A	AK827	10/18/2000	CVOL	ACETONE	230	J	4.34	10	ug/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	MAGNESIUM	819		28.1	44.4	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	THALLIUM	0.98	J	0.64	0.961	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	MOLYBDENUM	1.3	J	0.49	0.662	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	NICKEL	6.3		0.3	0.449	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	POTASSIUM	351		38.8	38.8	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	VANADIUM	22.2		0.36	0.427	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	ZINC	17.3		0.29	0.748	mg/Kg	I68
SS119A	AK827	10/18/2000	CPEST	PCB-1260 (AROCHLOR 1260)	69		9.4	39	ug/Kg	I68
SS119A	AK827	10/18/2000	CPEST	ENDRIN ALDEHYDE	4.9	J	0.19	3.9	ug/Kg	I68
SS119A	AK827	10/18/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	82	J	82	390	ug/Kg	I68
SS119A	AK827	10/18/2000	CVOL	TOLUENE	1	J	0.32	10	ug/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	ARSENIC	3.1		0.75	0.897	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	LEAD	19.2		0.32	0.385	mg/Kg	I68
SS119A	AK827	10/18/2000	CPEST	P,P'-DDT	4.2		0.26	3.9	ug/Kg	I68
SS119A	AK827	10/18/2000	E350.2	NITROGEN, AMMONIA (AS N)	13.3	J	0.02	0.02	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	BERYLLIUM	0.16		0.0214	0.0214	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	IRON	11700		4.21	4.53	mg/Kg	I68
SS119A	AK827	10/18/2000	LYDKHN	TOTAL ORGANIC CARBON	20500	J	0	0	mg/Kg	I68
SS119A	AK827	10/18/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	820		29	120	ug/Kg	I68
SS119A	AK827	10/18/2000	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX	130		23	120	ug/Kg	I68
SS119A	AK827	10/18/2000	SW8151A	ACIFLUORFEN	7.5	J	1.4	5.7	ug/Kg	I68
SS119A	AK827	10/18/2000	SW8151A	PICLORAM	6.4	NJ	2.9	5.6	ug/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	COPPER	18.4		0.34	0.385	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	BARIUM	10.5		0.876	0.876	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	CADMIUM	0.2	J	0.0641	0.0641	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	CALCIUM	76.2		29	36.5	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	CHROMIUM, TOTAL	13.2		0.14	0.235	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	COBALT	2		0.26	0.342	mg/Kg	I68
SS119A	AK827	10/18/2000	CL200.7	ALUMINUM	10600		2.5	2.65	mg/Kg	I68
SS119A	AK827	10/18/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	123		0.01	0.01	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	ZINC	17		0.29	0.747	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	IRON	12800		4.21	4.52	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	LEAD	15.1		0.32	0.384	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	MAGNESIUM	924		28.1	44.4	mg/Kg	I68

J - Estimated
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS119A	AK828	10/18/2000	CL200.7	MANGANESE	43.7		0.08	0.0854	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	MOLYBDENUM	0.8	J	0.49	0.662	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	NICKEL	5.5		0.3	0.448	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	VANADIUM	21.1		0.36	0.427	mg/Kg	I68
SS119A	AK828	10/18/2000	CVOL	ACETONE	230	J	4.34	10	ug/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	COPPER	7.8		0.34	0.384	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	CADMIUM	0.11	J	0.064	0.064	mg/Kg	I68
SS119A	AK828	10/18/2000	CVOL	TOLUENE	3	J	0.32	10	ug/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	POTASSIUM	394		38.8	38.8	mg/Kg	I68
SS119A	AK828	10/18/2000	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160		29	120	ug/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	CHROMIUM, TOTAL	13.2		0.14	0.235	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	COBALT	2.2		0.26	0.341	mg/Kg	I68
SS119A	AK828	10/18/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.2	J	0.02	0.02	mg/Kg	I68
SS119A	AK828	10/18/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	121		0.01	0.01	mg/Kg	I68
SS119A	AK828	10/18/2000	SW8151A	ACIFLUORFEN	5.8	NJ	1.4	5.6	ug/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	ALUMINUM	12300		2.5	2.65	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	ARSENIC	3.7		0.75	0.896	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	BARIUM	10.9		0.875	0.875	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	BERYLLIUM	0.17		0.0213	0.0213	mg/Kg	I68
SS119A	AK828	10/18/2000	CL200.7	CALCIUM	68	J	29	36.4	mg/Kg	I68
SS119A	AK828	10/18/2000	LYDKHN	TOTAL ORGANIC CARBON	7850	J	0	0	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	POTASSIUM	360		41.8	41.8	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	LEAD	7.6		0.32	0.415	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	MAGNESIUM	1090		28.1	47.9	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	MANGANESE	47.1		0.08	0.0921	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	NICKEL	5.4		0.3	0.484	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	THALLIUM	1.3	J	0.64	1.04	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	VANADIUM	16.4		0.36	0.461	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	ZINC	15		0.29	0.806	mg/Kg	I68
SS119A	AK829	10/18/2000	CVOL	ACETONE	200	J	4.34	10	ug/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	COBALT	2.5		0.26	0.368	mg/Kg	I68
SS119A	AK829	10/18/2000	CVOL	TOLUENE	1	J	0.32	10	ug/Kg	I68
SS119A	AK829	10/18/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	114		0.01	0.01	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	IRON	10800		4.21	4.88	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	COPPER	3.7		0.34	0.415	mg/Kg	I68
SS119A	AK829	10/18/2000	LYDKHN	TOTAL ORGANIC CARBON	7360	J	0	0	mg/Kg	I68
SS119A	AK829	10/18/2000	E350.2	NITROGEN, AMMONIA (AS N)	5.1	J	0.02	0.02	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	ALUMINUM	10600		2.5	2.86	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	BARIUM	11.6		0.944	0.944	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	BERYLLIUM	0.17		0.023	0.023	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	CALCIUM	67.6	J	29	39.3	mg/Kg	I68

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS119A	AK829	10/18/2000	CL200.7	CHROMIUM, TOTAL	11.3		0.14	0.253	mg/Kg	I68
SS119A	AK829	10/18/2000	CL200.7	ARSENIC	3.8		0.75	0.967	mg/Kg	I68
SS119A	AK857	10/18/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.3	J	0.02	0.02	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	COBALT	2.8		0.26	0.295	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	CHROMIUM, TOTAL	12.5		0.14	0.203	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	CALCIUM	75.7		29	31.5	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	BERYLLIUM	0.2		0.0185	0.0185	mg/Kg	I68
SS119A	AK857	10/18/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	88.4		0.01	0.01	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	ALUMINUM	11000		2.29	2.29	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	ARSENIC	3.7		0.75	0.775	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	COPPER	4.5		0.332	0.332	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	POTASSIUM	407		33.5	33.5	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	BARIUM	12		0.757	0.757	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	IRON	11900		3.91	3.91	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	LEAD	7.2		0.32	0.332	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	MAGNESIUM	1200		28.1	38.4	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	MANGANESE	52.5		0.0738	0.0738	mg/Kg	I68
SS119A	AK857	10/18/2000	LYDKHN	TOTAL ORGANIC CARBON	4620	J	0	0	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	NICKEL	6		0.3	0.388	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	THALLIUM	0.94	J	0.64	0.83	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	VANADIUM	17.4		0.36	0.369	mg/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	ZINC	16.4		0.29	0.646	mg/Kg	I68
SS119A	AK857	10/18/2000	CVOL	ACETONE	200	J	4.34	8	ug/Kg	I68
SS119A	AK857	10/18/2000	CVOL	TOLUENE	2	J	0.32	8	ug/Kg	I68
SS119A	AK857	10/18/2000	CL200.7	MOLYBDENUM	0.74	J	0.49	0.572	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	SODIUM	244	J	49.8	180	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	LEAD	9.9		0.32	0.387	mg/Kg	I68
SS119B	AK842	10/18/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	98.7		0.01	0.01	mg/Kg	I68
SS119B	AK842	10/18/2000	LYDKHN	TOTAL ORGANIC CARBON	12000	J	0	0	mg/Kg	I68
SS119B	AK842	10/18/2000	E350.2	NITROGEN, AMMONIA (AS N)	9.2	J	0.02	0.02	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	ALUMINUM	8380		2.5	2.67	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	ARSENIC	3.2		0.75	0.904	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	BARIUM	11.2		0.882	0.882	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	BERYLLIUM	0.15		0.0215	0.0215	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	CALCIUM	71.1	J	29	36.7	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	CHROMIUM, TOTAL	9.3		0.14	0.237	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	COBALT	1.9		0.26	0.344	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	VANADIUM	17.7		0.36	0.43	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	IRON	9920		4.21	4.56	mg/Kg	I68
SS119B	AK842	10/18/2000	CVOL	TOLUENE	1	J	0.32	9	ug/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	MAGNESIUM	725		28.1	44.7	mg/Kg	I68

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS119B	AK842	10/18/2000	CL200.7	MANGANESE	44.2		0.08	0.0861	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	MOLYBDENUM	0.99	J	0.49	0.667	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	NICKEL	4.6		0.3	0.452	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	POTASSIUM	294		39.1	39.1	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	THALLIUM	1.7	J	0.64	0.968	mg/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	ZINC	16.2		0.29	0.753	mg/Kg	I68
SS119B	AK842	10/18/2000	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	68	J	68	380	ug/Kg	I68
SS119B	AK842	10/18/2000	CVOL	ACETONE	160	J	4.34	9	ug/Kg	I68
SS119B	AK842	10/18/2000	CL200.7	COPPER	10.5		0.34	0.387	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	ALUMINUM	11200		2.5	2.72	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	COPPER	6.6		0.34	0.395	mg/Kg	I68
SS119B	AK843	10/18/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	96.9		0.01	0.01	mg/Kg	I68
SS119B	AK843	10/18/2000	LYDKHN	TOTAL ORGANIC CARBON	8420	J	0	0	mg/Kg	I68
SS119B	AK843	10/18/2000	E350.2	NITROGEN, AMMONIA (AS N)	7.7	J	0.02	0.02	mg/Kg	I68
SS119B	AK843	10/18/2000	CVOL	ACETONE	110	J	4.34	9	ug/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	ARSENIC	3.4		0.75	0.922	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	BERYLLIUM	0.17		0.0219	0.0219	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	CADMIUM	0.14	J	0.0658	0.0658	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	CALCIUM	72.9	J	29	37.5	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	BARIUM	12.6		0.9	0.9	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	COBALT	2.2		0.26	0.351	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	ZINC	17.6		0.29	0.768	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	IRON	11400		4.21	4.65	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	LEAD	9.6		0.32	0.395	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	MAGNESIUM	845		28.1	45.6	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	MANGANESE	39		0.08	0.0878	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	MOLYBDENUM	1.2	J	0.49	0.68	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	NICKEL	5.7		0.3	0.461	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	POTASSIUM	340		39.9	39.9	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	VANADIUM	18.4		0.36	0.439	mg/Kg	I68
SS119B	AK843	10/18/2000	CL200.7	CHROMIUM, TOTAL	13.1		0.14	0.241	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	ARSENIC	3.8		0.75	0.904	mg/Kg	I68
SS119B	AK844	10/18/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	104		0.01	0.01	mg/Kg	I68
SS119B	AK844	10/18/2000	E350.2	NITROGEN, AMMONIA (AS N)	6.4	J	0.02	0.02	mg/Kg	I68
SS119B	AK844	10/18/2000	LYDKHN	TOTAL ORGANIC CARBON	4090	J	0	0	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	ALUMINUM	10700		2.5	2.67	mg/Kg	I68
SS119B	AK844	10/18/2000	CVOL	TOLUENE	2	J	0.32	9	ug/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	BARIUM	11.3		0.882	0.882	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	BERYLLIUM	0.17		0.0215	0.0215	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	CALCIUM	59.8	J	29	36.7	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	CHROMIUM, TOTAL	11.5		0.14	0.237	mg/Kg	I68

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J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS119B	AK844	10/18/2000	CL200.7	COBALT	2.3		0.26	0.344	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	VANADIUM	16.6		0.36	0.43	mg/Kg	I68
SS119B	AK844	10/18/2000	SW8151A	ACIFLUORFEN	13	J	1.4	5.7	ug/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	COPPER	3.7		0.34	0.387	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	ZINC	14.4		0.29	0.753	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	THALLIUM	1.5	J	0.64	0.968	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	POTASSIUM	347		39.1	39.1	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	NICKEL	5.2		0.3	0.452	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	MANGANESE	41.2		0.08	0.0861	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	MAGNESIUM	915		28.1	44.7	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	LEAD	7.7		0.32	0.387	mg/Kg	I68
SS119B	AK844	10/18/2000	CL200.7	IRON	10900		4.21	4.56	mg/Kg	I68
SS119B	AK844	10/18/2000	CVOL	ACETONE	250	J	4.34	9	ug/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	COBALT	1.8		0.26	0.336	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	MOLYBDENUM	1.1	J	0.49	0.652	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	LEAD	9.9		0.32	0.378	mg/Kg	I68
SS119B	AK858	10/18/2000	CVOL	TOLUENE	2	J	0.32	9	ug/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	MAGNESIUM	792		28.1	43.7	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	MANGANESE	46		0.08	0.0841	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	NICKEL	4.8		0.3	0.441	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	POTASSIUM	288		38.2	38.2	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	SODIUM	357		49.8	176	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	THALLIUM	1.2	J	0.64	0.946	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	VANADIUM	16.9		0.36	0.42	mg/Kg	I68
SS119B	AK858	10/18/2000	CVOL	ACETONE	200	J	4.34	9	ug/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	ZINC	18.6		0.29	0.736	mg/Kg	I68
SS119B	AK858	10/18/2000	E350.2	NITROGEN, AMMONIA (AS N)	15.2	J	0.02	0.02	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	COPPER	30.1		0.34	0.378	mg/Kg	I68
SS119B	AK858	10/18/2000	LYDKHN	TOTAL ORGANIC CARBON	13100	J	0	0	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	IRON	9620		4.21	4.46	mg/Kg	I68
SS119B	AK858	10/18/2000	SW8151A	ACIFLUORFEN	14	J	1.4	5.4	ug/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	ALUMINUM	8650		2.5	2.61	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	ARSENIC	2.6		0.75	0.883	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	BARIUM	9.8		0.862	0.862	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	BERYLLIUM	0.13		0.021	0.021	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	CALCIUM	98.4		29	35.9	mg/Kg	I68
SS119B	AK858	10/18/2000	CL200.7	CHROMIUM, TOTAL	9.5		0.14	0.231	mg/Kg	I68
SS119B	AK858	10/18/2000	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	89.1		0.01	0.01	mg/Kg	I68
SS174A	BA830	4/17/2002	CPEST	P,P'-DDT	12	J	1.22	4.8	ug/Kg	
SS174A	BA830	4/17/2002	CL200.7	NICKEL	4.2		0.76	0.76	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	POTASSIUM	373		74.4	74.4	mg/Kg	

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS174A	BA830	4/17/2002	CL200.7	VANADIUM	20.9		0.54	0.54	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	ZINC	36.5		0.25	0.25	mg/Kg	
SS174A	BA830	4/17/2002	CPEST	P,P'-DDE	7.4		0.925	4.8	ug/Kg	
SS174A	BA830	4/17/2002	SW8270	BENZOIC ACID	95	J	95	1200	ug/Kg	
SS174A	BA830	4/17/2002	SW8270	CHRYSENE	23	J	23	480	ug/Kg	
SS174A	BA830	4/17/2002	SW8270	PYRENE	31	J	31	480	ug/Kg	
SS174A	BA830	4/17/2002	CVOL	ACETONE	370	J	3.81	9	ug/Kg	
SS174A	BA830	4/17/2002	CL200.7	MANGANESE	44.1		0.22	0.22	mg/Kg	
SS174A	BA830	4/17/2002	CVOL	TOLUENE	15		2.37	9	ug/Kg	
SS174A	BA830	4/17/2002	CL200.7	MAGNESIUM	334		36	36	mg/Kg	
SS174A	BA830	4/17/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	3.6	9	ug/Kg	
SS174A	BA830	4/17/2002	E350.2	NITROGEN, AMMONIA (AS N)	23	J	0.022	3.4	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	MOLYBDENUM	0.52	J	0.4	0.44	mg/Kg	
SS174A	BA830	4/17/2002	LYDKHN	TOTAL ORGANIC CARBON	41400		0	0	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	LEAD	26.5		0.22	0.22	mg/Kg	
SS174A	BA830	4/17/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.47		0.0088	0.01	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	ALUMINUM	6960		5.4	5.4	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	ARSENIC	3		0.6	0.6	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	BARIUM	14.1		1.7	1.7	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	BERYLLIUM	0.1		0.03	0.03	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	CALCIUM	273		34.9	34.9	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	CHROMIUM, TOTAL	7.5		0.33	0.33	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	COBALT	0.88	J	0.79	0.79	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	COPPER	34.4	J	0.38	0.38	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	IRON	8460		4.6	4.6	mg/Kg	
SS174A	BA830	4/17/2002	CL200.7	CADMIUM	0.49		0.1	0.14	mg/Kg	
SS174A	BA830	4/17/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	147		0.006	2.9	mg/Kg	
SS174A	BA835	4/17/2002	SW8270	BENZOIC ACID	52	J	52	980	ug/Kg	
SS174A	BA835	4/17/2002	CL200.7	MAGNESIUM	320		30.9	30.9	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	MANGANESE	25.1		0.19	0.19	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	MOLYBDENUM	0.43	J	0.38	0.38	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	NICKEL	2.3		0.66	0.66	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	POTASSIUM	315		64	64	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	SELENIUM	0.71	J	0.47	0.47	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	VANADIUM	17.4		0.47	0.47	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	ZINC	21.6		0.21	0.21	mg/Kg	
SS174A	BA835	4/17/2002	CPEST	P,P'-DDT	11	J	1.22	3.9	ug/Kg	
SS174A	BA835	4/17/2002	CVOL	ACETONE	100	J	3.81	9	ug/Kg	
SS174A	BA835	4/17/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	6	J	3.6	9	ug/Kg	
SS174A	BA835	4/17/2002	CL200.7	COBALT	0.73	J	0.68	0.68	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	LEAD	14.4		0.19	0.19	mg/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS174A	BA835	4/17/2002	CPEST	P,P'-DDE	6.6		0.925	3.9	ug/Kg	
SS174A	BA835	4/17/2002	E350.2	NITROGEN, AMMONIA (AS N)	16.4	J	0.022	2.8	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	IRON	7930		4	4	mg/Kg	
SS174A	BA835	4/17/2002	LYDKHN	TOTAL ORGANIC CARBON	28400		0	0	mg/Kg	
SS174A	BA835	4/17/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.14		0.0088	0.012	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	ALUMINUM	7370		4.6	4.6	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	ANTIMONY	0.62	J	0.42	0.42	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	ARSENIC	3.8		0.52	0.52	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	BERYLLIUM	0.1		0.02	0.02	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	CADMIUM	0.38		0.1	0.12	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	CALCIUM	185		30.1	30.1	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	CHROMIUM, TOTAL	6.2	J	0.28	0.28	mg/Kg	
SS174A	BA835	4/17/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	127		0.006	2.3	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	COPPER	23.4	J	0.33	0.33	mg/Kg	
SS174A	BA835	4/17/2002	CL200.7	BARIUM	11.9		1.5	1.5	mg/Kg	
SS174A	BA840	4/17/2002	SW8270	BENZOIC ACID	55	J	55	960	ug/Kg	
SS174A	BA840	4/17/2002	CL200.7	MAGNESIUM	377		30.8	30.8	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	MANGANESE	24.3		0.19	0.19	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	NICKEL	2.8		0.65	0.65	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	POTASSIUM	309		63.6	63.6	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	SELENIUM	0.6	J	0.47	0.47	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	VANADIUM	16		0.47	0.47	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	ZINC	17.5		0.21	0.21	mg/Kg	
SS174A	BA840	4/17/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	28	J	3.6	10	ug/Kg	
SS174A	BA840	4/17/2002	CPEST	P,P'-DDT	7.1	J	1.22	3.8	ug/Kg	
SS174A	BA840	4/17/2002	CVOL	ACETONE	280	J	3.81	10	ug/Kg	
SS174A	BA840	4/17/2002	CL200.7	COPPER	16.5	J	0.33	0.33	mg/Kg	
SS174A	BA840	4/17/2002	CPEST	P,P'-DDE	4.5		0.925	3.8	ug/Kg	
SS174A	BA840	4/17/2002	LYDKHN	TOTAL ORGANIC CARBON	26500		0	0	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	LEAD	12.5		0.19	0.19	mg/Kg	
SS174A	BA840	4/17/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109		0.006	2.2	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	IRON	7600		4	4	mg/Kg	
SS174A	BA840	4/17/2002	E350.2	NITROGEN, AMMONIA (AS N)	17.6		0.022	2.5	mg/Kg	
SS174A	BA840	4/17/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.12		0.0088	0.012	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	ALUMINUM	8250		4.6	4.6	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	ARSENIC	3.2		0.51	0.51	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	BERYLLIUM	0.13		0.02	0.02	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	CADMIUM	0.36		0.1	0.12	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	CALCIUM	168		29.9	29.9	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	CHROMIUM, TOTAL	7.2		0.28	0.28	mg/Kg	
SS174A	BA840	4/17/2002	CL200.7	COBALT	1	J	0.68	0.68	mg/Kg	

J - Estimated
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS174A	BA840	4/17/2002	CL200.7	BARIUM	11.3		1.5	1.5	mg/Kg	
SS174B	BA846	4/18/2002	SW8270	BENZOIC ACID	52	J	52	1000	ug/Kg	
SS174B	BA846	4/18/2002	CL200.7	LEAD	16.8		0.2	0.2	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	MAGNESIUM	374		32.2	32.2	mg/Kg	
SS174B	BA846	4/18/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	3.6	17	ug/Kg	
SS174B	BA846	4/18/2002	CL200.7	MOLYBDENUM	0.47	J	0.39	0.39	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	MANGANESE	37		0.2	0.2	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	POTASSIUM	354		66.7	66.7	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	VANADIUM	19.9		0.49	0.49	mg/Kg	
SS174B	BA846	4/18/2002	CVOL	ACETONE	190	J	3.81	17	ug/Kg	
SS174B	BA846	4/18/2002	CPEST	P,P'-DDT	3.2	J	1.22	4	ug/Kg	
SS174B	BA846	4/18/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	28	J	28	400	ug/Kg	
SS174B	BA846	4/18/2002	CL200.7	IRON	8330		4.2	4.2	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	ZINC	21.6		0.22	0.22	mg/Kg	
SS174B	BA846	4/18/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	125		0.006	2.4	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	NICKEL	3.2		0.68	0.68	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	COPPER	28.2	J	0.34	0.34	mg/Kg	
SS174B	BA846	4/18/2002	LYDKHN	TOTAL ORGANIC CARBON	38800		0	0	mg/Kg	
SS174B	BA846	4/18/2002	E350.2	NITROGEN, AMMONIA (AS N)	26.3		0.022	2.8	mg/Kg	
SS174B	BA846	4/18/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.02		0.0088	0.012	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	ALUMINUM	7530		4.8	4.8	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	ANTIMONY	0.82	J	0.44	0.44	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	BARIUM	12.9		1.5	1.5	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	BERYLLIUM	0.11		0.02	0.02	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	CADMIUM	0.56		0.1	0.12	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	CALCIUM	226		31.3	31.3	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	CHROMIUM, TOTAL	7	J	0.29	0.29	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	COBALT	1.1	J	0.71	0.71	mg/Kg	
SS174B	BA846	4/18/2002	CL200.7	ARSENIC	3.1		0.54	0.54	mg/Kg	
SS174B	BA849	4/18/2002	SW8330	2,6-DINITROTOLUENE	43	J	4.62	15	ug/Kg	
SS174B	BA851	4/18/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	14	J	3.6	9	ug/Kg	
SS174B	BA851	4/18/2002	CL200.7	MAGNESIUM	335		30.1	30.1	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	MANGANESE	23.9		0.18	0.18	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	MOLYBDENUM	0.4	J	0.36	0.36	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	NICKEL	2.2		0.64	0.64	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	POTASSIUM	292		62.2	62.2	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	SELENIUM	0.79	J	0.46	0.46	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	VANADIUM	15.1		0.46	0.46	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	ZINC	12.6		0.2	0.2	mg/Kg	
SS174B	BA851	4/18/2002	CVOL	ACETONE	150	J	3.81	9	ug/Kg	
SS174B	BA851	4/18/2002	CL200.7	LEAD	6.4		0.18	0.18	mg/Kg	

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DL = Detection Limit
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ug/Kg = microgram per Kilogram
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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS174B	BA851	4/18/2002	CL200.7	CALCIUM	106		29.2	29.2	mg/Kg	
SS174B	BA851	4/18/2002	SW8270	BENZOIC ACID	44	J	44	960	ug/Kg	
SS174B	BA851	4/18/2002	E350.2	NITROGEN, AMMONIA (AS N)	14.4	J	0.022	2.7	mg/Kg	
SS174B	BA851	4/18/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109		0.006	2	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	COBALT	0.97	J	0.66	0.66	mg/Kg	
SS174B	BA851	4/18/2002	LYDKHN	TOTAL ORGANIC CARBON	21200		0	0	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	IRON	7990		3.9	3.9	mg/Kg	
SS174B	BA851	4/18/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.053		0.0088	0.012	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	ALUMINUM	8590		4.5	4.5	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	BARIUM	8		1.4	1.4	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	BERYLLIUM	0.13		0.02	0.02	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	CADMIUM	0.33		0.1	0.11	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	CHROMIUM, TOTAL	7		0.27	0.27	mg/Kg	
SS174B	BA851	4/18/2002	CL200.7	ARSENIC	2.7		0.61	0.61	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	IRON	7990		3.9	3.9	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	LEAD	6		0.18	0.18	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	MAGNESIUM	677		30.2	30.2	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	MANGANESE	45.7		0.18	0.18	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	NICKEL	2.4		0.64	0.64	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	POTASSIUM	531		62.4	62.4	mg/Kg	
SS174B	BA856	4/18/2002	CVOL	ACETONE	67	J	3.81	9	ug/Kg	
SS174B	BA856	4/18/2002	CL200.7	VANADIUM	13.7		0.46	0.46	mg/Kg	
SS174B	BA856	4/18/2002	SW8270	BENZOIC ACID	38	J	38	950	ug/Kg	
SS174B	BA856	4/18/2002	CL200.7	SELENIUM	0.78	J	0.46	0.46	mg/Kg	
SS174B	BA856	4/18/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	3	J	3	9	ug/Kg	
SS174B	BA856	4/18/2002	LYDKHN	TOTAL ORGANIC CARBON	14800		0	0	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	COBALT	1.2	J	0.66	0.66	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	ZINC	13.8		0.21	0.21	mg/Kg	
SS174B	BA856	4/18/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	109		0.006	2.2	mg/Kg	
SS174B	BA856	4/18/2002	E350.2	NITROGEN, AMMONIA (AS N)	12.2	J	0.022	2.8	mg/Kg	
SS174B	BA856	4/18/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.055		0.0088	0.012	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	ALUMINUM	9530		4.5	4.5	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	CALCIUM	138		29.3	29.3	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	BARIUM	8.8		1.4	1.4	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	BERYLLIUM	0.14		0.02	0.02	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	CHROMIUM, TOTAL	7.4		0.27	0.27	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	CADMIUM	0.13	J	0.1	0.11	mg/Kg	
SS174B	BA856	4/18/2002	CL200.7	ARSENIC	1.4		0.5	0.5	mg/Kg	
SS174B	BA857	4/18/2002	SW8330	3-NITROTOLUENE	30	J	4.2	14	ug/Kg	
SS175A	BA994	4/18/2002	CVOL	ACETONE	170	J	3.81	14	ug/Kg	
SS175A	BA994	4/18/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	13	J	3.6	14	ug/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS175A	BC001	4/18/2002	CPEST	ENDRIN ALDEHYDE	2.3	NJ	0.797	4.3	ug/Kg	
SS175A	BC001	4/18/2002	CL200.7	NICKEL	4.4		0.73	0.73	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	ZINC	34.4		0.23	0.23	mg/Kg	
SS175A	BC001	4/18/2002	CPEST	PCB-1260 (AROCHLOR 1260)	250		5.55	43	ug/Kg	
SS175A	BC001	4/18/2002	CPEST	DIELDRIN	4	NJ	0.913	4.3	ug/Kg	
SS175A	BC001	4/18/2002	CPEST	ENDRIN	4.1	J	1.08	4.3	ug/Kg	
SS175A	BC001	4/18/2002	CL200.7	VANADIUM	21.5		0.52	0.52	mg/Kg	
SS175A	BC001	4/18/2002	CPEST	P,P'-DDE	7.3		0.925	4.3	ug/Kg	
SS175A	BC001	4/18/2002	CPEST	P,P'-DDT	16	J	1.22	4.3	ug/Kg	
SS175A	BC001	4/18/2002	SW8270	BENZOIC ACID	46	J	46	1100	ug/Kg	
SS175A	BC001	4/18/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	140	J	121	430	ug/Kg	
SS175A	BC001	4/18/2002	SW8270	DI-N-BUTYL PHTHALATE	55	J	55	430	ug/Kg	
SS175A	BC001	4/18/2002	CVOL	ACETONE	180	J	3.81	11	ug/Kg	
SS175A	BC001	4/18/2002	CL200.7	MOLYBDENUM	0.81	J	0.4	0.42	mg/Kg	
SS175A	BC001	4/18/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	8	J	3.6	11	ug/Kg	
SS175A	BC001	4/18/2002	SW8270	FLUORANTHENE	20	J	20	430	ug/Kg	
SS175A	BC001	4/18/2002	CL200.7	CADMIUM	0.93		0.1	0.13	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	MANGANESE	45.1		0.21	0.21	mg/Kg	
SS175A	BC001	4/18/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	143		0.006	2.4	mg/Kg	
SS175A	BC001	4/18/2002	LYDKHN	TOTAL ORGANIC CARBON	44500		0	0	mg/Kg	
SS175A	BC001	4/18/2002	E350.2	NITROGEN, AMMONIA (AS N)	45		0.022	3	mg/Kg	
SS175A	BC001	4/18/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.035		0.0088	0.013	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	ALUMINUM	6390		5.1	5.1	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	ARSENIC	2.3		0.57	0.57	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	POTASSIUM	385		70.8	70.8	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	BERYLLIUM	0.11		0.03	0.03	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	CALCIUM	285		33.3	33.3	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	CHROMIUM, TOTAL	8.7		0.31	0.31	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	COBALT	0.79	J	0.75	0.75	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	COPPER	47.3	J	0.36	0.36	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	IRON	8960		4.4	4.4	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	LEAD	38.9		0.21	0.21	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	MAGNESIUM	370		34.2	34.2	mg/Kg	
SS175A	BC001	4/18/2002	CL200.7	BARIUM	21.6		1.6	1.6	mg/Kg	
SS175A	BC003	4/18/2002	SW8330	4-AMINO-2,6-DINITROTOLUENE	32	J	4.58	14	ug/Kg	
SS175A	BC004	4/18/2002	SW8330	2-NITROTOLUENE	36	J	4.84	17	ug/Kg	
SS175A	BC006	4/18/2002	CL200.7	BERYLLIUM	0.11		0.02	0.02	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	MAGNESIUM	303		28.1	28.1	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	LEAD	14.7		0.17	0.17	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	IRON	7940		3.6	3.6	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	COPPER	16.8	J	0.3	0.3	mg/Kg	

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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS175A	BC006	4/18/2002	CL200.7	COBALT	0.74	J	0.62	0.62	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	CHROMIUM, TOTAL	6.9		0.26	0.26	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	MANGANESE	26.7		0.17	0.17	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	CADMIUM	0.65		0.1	0.11	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	BARIUM	11.6		1.3	1.3	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	ARSENIC	2.4		0.47	0.47	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	ALUMINUM	6290		4.2	4.2	mg/Kg	
SS175A	BC006	4/18/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.027		0.0088	0.012	mg/Kg	
SS175A	BC006	4/18/2002	E350.2	NITROGEN, AMMONIA (AS N)	22.2		0.022	2.7	mg/Kg	
SS175A	BC006	4/18/2002	LYDKHN	TOTAL ORGANIC CARBON	33600		0	0	mg/Kg	
SS175A	BC006	4/18/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	110		0.006	2.2	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	CALCIUM	163		27.3	27.3	mg/Kg	
SS175A	BC006	4/18/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	12	J	3.6	9	ug/Kg	
SS175A	BC006	4/18/2002	CVOL	TOLUENE	9	J	2.37	9	ug/Kg	
SS175A	BC006	4/18/2002	CVOL	BENZENE	3	J	2.4	9	ug/Kg	
SS175A	BC006	4/18/2002	CVOL	ACETONE	300	J	3.81	9	ug/Kg	
SS175A	BC006	4/18/2002	SW8270	BENZOIC ACID	38	J	38	960	ug/Kg	
SS175A	BC006	4/18/2002	CPEST	P,P'-DDT	9.6	J	1.22	3.8	ug/Kg	
SS175A	BC006	4/18/2002	CL200.7	POTASSIUM	304		58	58	mg/Kg	
SS175A	BC006	4/18/2002	CPEST	HEPTACHLOR EPOXIDE	1.1	NJ	0.525	2	ug/Kg	
SS175A	BC006	4/18/2002	CPEST	ENDRIN	2.4	J	1.08	3.8	ug/Kg	
SS175A	BC006	4/18/2002	CPEST	DIELDRIN	2.4	NJ	0.913	3.8	ug/Kg	
SS175A	BC006	4/18/2002	CPEST	PCB-1260 (AROCHLOR 1260)	140		5.55	38	ug/Kg	
SS175A	BC006	4/18/2002	CL200.7	ZINC	17.3		0.19	0.19	mg/Kg	
SS175A	BC006	4/18/2002	CL200.7	VANADIUM	15.8		0.43	0.43	mg/Kg	
SS175A	BC006	4/18/2002	CPEST	P,P'-DDE	5.1		0.925	3.8	ug/Kg	
SS175A	BC006	4/18/2002	CL200.7	NICKEL	2.3		0.6	0.6	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	MANGANESE	21		0.18	0.18	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	POTASSIUM	276		61	61	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	VANADIUM	15		0.45	0.45	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	ZINC	15.3		0.2	0.2	mg/Kg	
SS175A	BC011	4/18/2002	CPEST	PCB-1260 (AROCHLOR 1260)	20	J	5.55	39	ug/Kg	
SS175A	BC011	4/18/2002	CPEST	P,P'-DDE	4.6		0.925	3.9	ug/Kg	
SS175A	BC011	4/18/2002	CPEST	P,P'-DDT	11	J	1.22	3.9	ug/Kg	
SS175A	BC011	4/18/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	35	J	35	390	ug/Kg	
SS175A	BC011	4/18/2002	CL200.7	MAGNESIUM	309		29.5	29.5	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	NICKEL	2.1		0.63	0.63	mg/Kg	
SS175A	BC011	4/18/2002	SW8270	BENZOIC ACID	32	J	32	980	ug/Kg	
SS175A	BC011	4/18/2002	CL200.7	ALUMINUM	7360		4.4	4.4	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	SELENIUM	0.65	J	0.45	0.45	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	LEAD	9.7		0.18	0.18	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS175A	BC011	4/18/2002	LYDKHN	TOTAL ORGANIC CARBON	20200		0	0	mg/Kg	
SS175A	BC011	4/18/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.072		0.0088	0.012	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	ARSENIC	2.2		0.49	0.49	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	BARIUM	10.2		1.4	1.4	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	BERYLLIUM	0.12		0.02	0.02	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	COBALT	0.82	J	0.65	0.65	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	CALCIUM	148		28.6	28.6	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	CHROMIUM, TOTAL	6.2	J	0.27	0.27	mg/Kg	
SS175A	BC011	4/18/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	105		0.006	2.2	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	CADMIUM	0.35		0.1	0.11	mg/Kg	
SS175A	BC011	4/18/2002	E350.2	NITROGEN, AMMONIA (AS N)	21.4		0.022	2.7	mg/Kg	
SS175A	BC011	4/18/2002	CL200.7	IRON	7970		3.8	3.8	mg/Kg	
SS175B	BC017	4/18/2002	CPEST	PCB-1260 (AROCHLOR 1260)	35	J	5.55	40	ug/Kg	
SS175B	BC017	4/18/2002	CPEST	P,P'-DDE	2.9	J	0.925	4	ug/Kg	
SS175B	BC017	4/18/2002	CPEST	P,P'-DDT	5	J	1.22	4	ug/Kg	
SS175B	BC017	4/18/2002	SW8270	BENZO(B)FLUORANTHENE	33	J	33	400	ug/Kg	
SS175B	BC017	4/18/2002	SW8270	BENZO(K)FLUORANTHENE	31	J	31	400	ug/Kg	
SS175B	BC017	4/18/2002	SW8270	CHRYSENE	27	J	27	400	ug/Kg	
SS175B	BC017	4/18/2002	CL200.7	ZINC	24.5		0.22	0.22	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	LEAD	22.8		0.19	0.19	mg/Kg	
SS175B	BC017	4/18/2002	CVOL	ACETONE	990	J	3.81	12	ug/Kg	
SS175B	BC017	4/18/2002	SW8270	BENZOIC ACID	32	J	32	1000	ug/Kg	
SS175B	BC017	4/18/2002	CL200.7	VANADIUM	21.7		0.48	0.48	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	SELENIUM	0.79	J	0.48	0.48	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	POTASSIUM	359		65.9	65.9	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	NICKEL	3.2		0.68	0.68	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	MOLYBDENUM	0.41	J	0.39	0.39	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	MAGNESIUM	357		31.9	31.9	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	IRON	8820		4.1	4.1	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	COPPER	36.8	J	0.34	0.34	mg/Kg	
SS175B	BC017	4/18/2002	CVOL	CHLOROFORM	1	J	1	12	ug/Kg	
SS175B	BC017	4/18/2002	CL200.7	ALUMINUM	7010		4.8	4.8	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	MANGANESE	33.3		0.19	0.19	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	CHROMIUM, TOTAL	6.4	J	0.29	0.29	mg/Kg	
SS175B	BC017	4/18/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	131		0.006	2.3	mg/Kg	
SS175B	BC017	4/18/2002	LYDKHN	TOTAL ORGANIC CARBON	29300		0	0	mg/Kg	
SS175B	BC017	4/18/2002	E350.2	NITROGEN, AMMONIA (AS N)	24.8		0.022	2.9	mg/Kg	
SS175B	BC017	4/18/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.033		0.0088	0.012	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	ARSENIC	2.5		0.53	0.53	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	BERYLLIUM	0.11		0.02	0.02	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	BARIUM	12.9		1.5	1.5	mg/Kg	

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mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS175B	BC017	4/18/2002	CL200.7	CALCIUM	313		31	31	mg/Kg	
SS175B	BC017	4/18/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	30	J	3.6	12	ug/Kg	
SS175B	BC017	4/18/2002	CL200.7	COBALT	0.81	J	0.7	0.7	mg/Kg	
SS175B	BC017	4/18/2002	CL200.7	CADMIUM	0.65		0.1	0.12	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	IRON	6780		3.7	3.7	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	SELENIUM	0.54	J	0.44	0.44	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	POTASSIUM	288		59.8	59.8	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	NICKEL	1.8		0.61	0.61	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	MANGANESE	18.6		0.18	0.18	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	MAGNESIUM	305		28.9	28.9	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	LEAD	8.4		0.18	0.18	mg/Kg	
SS175B	BC022	4/18/2002	SW8270	BENZOIC ACID	44	J	44	950	ug/Kg	
SS175B	BC022	4/18/2002	CL200.7	BARIUM	7.8		1.4	1.4	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	VANADIUM	14		0.44	0.44	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	COBALT	0.67	J	0.63	0.63	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	CHROMIUM, TOTAL	5.2	J	0.26	0.26	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	CALCIUM	144		28.1	28.1	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	CADMIUM	0.36		0.1	0.11	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	BERYLLIUM	0.09		0.02	0.02	mg/Kg	
SS175B	BC022	4/18/2002	SW8270	BENZO(K)FLUORANTHENE	22	J	22	380	ug/Kg	
SS175B	BC022	4/18/2002	E350.2	NITROGEN, AMMONIA (AS N)	13.8	J	0.022	2.7	mg/Kg	
SS175B	BC022	4/18/2002	SW8270	CHRYSENE	24	J	24	380	ug/Kg	
SS175B	BC022	4/18/2002	CL200.7	ARSENIC	2.3		0.48	0.48	mg/Kg	
SS175B	BC022	4/18/2002	SW8270	PHENANTHRENE	18	J	18	380	ug/Kg	
SS175B	BC022	4/18/2002	SW8270	PYRENE	30	J	30	380	ug/Kg	
SS175B	BC022	4/18/2002	CVOL	ACETONE	120	J	3.81	9	ug/Kg	
SS175B	BC022	4/18/2002	SW8270	FLUORANTHENE	39	J	39	380	ug/Kg	
SS175B	BC022	4/18/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.063		0.0088	0.011	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	ZINC	11.2		0.2	0.2	mg/Kg	
SS175B	BC022	4/18/2002	LYDKHN	TOTAL ORGANIC CARBON	21400		0	0	mg/Kg	
SS175B	BC022	4/18/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	100		0.006	2.2	mg/Kg	
SS175B	BC022	4/18/2002	CL200.7	ALUMINUM	6130		4.3	4.3	mg/Kg	
SS175B	BC022	4/18/2002	SW8270	BENZO(B)FLUORANTHENE	19	J	19	380	ug/Kg	
SS175B	BC022	4/18/2002	CPEST	P,P'-DDT	2.9	J	1.22	3.8	ug/Kg	
SS175B	BC022	4/18/2002	CPEST	P,P'-DDE	2.2	J	0.925	3.8	ug/Kg	
SS175B	BC022	4/18/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	9	ug/Kg	
SS175B	BC027	4/18/2002	CL200.7	BARIUM	8.8		1.3	1.3	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	LEAD	8.6		0.17	0.17	mg/Kg	
SS175B	BC027	4/18/2002	E365.2	PHOSPHORUS, TOTAL PO4 (AS PO4)	106		0.006	2	mg/Kg	
SS175B	BC027	4/18/2002	LYDKHN	TOTAL ORGANIC CARBON	15100		0	0	mg/Kg	
SS175B	BC027	4/18/2002	E350.2	NITROGEN, AMMONIA (AS N)	11.9	J	0.022	2.5	mg/Kg	

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TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SS175B	BC027	4/18/2002	E353.2	NITROGEN, NITRATE-NITRITE	0.06		0.0088	0.011	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	ALUMINUM	7890		4.1	4.1	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	ARSENIC	2.2		0.46	0.46	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	BERYLLIUM	0.11		0.02	0.02	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	CALCIUM	134		26.5	26.5	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	CHROMIUM, TOTAL	6.5		0.25	0.25	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	CADMIUM	0.26		0.1	0.1	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	IRON	7570		3.5	3.5	mg/Kg	
SS175B	BC027	4/18/2002	CVOL	TOLUENE	2	J	2	10	ug/Kg	
SS175B	BC027	4/18/2002	CL200.7	MAGNESIUM	322		27.3	27.3	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	MANGANESE	19		0.17	0.17	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	NICKEL	2.4		0.58	0.58	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	POTASSIUM	291		56.5	56.5	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	VANADIUM	15.3		0.41	0.41	mg/Kg	
SS175B	BC027	4/18/2002	CL200.7	ZINC	13.4		0.19	0.19	mg/Kg	
SS175B	BC027	4/18/2002	CPEST	P,P'-DDE	4.6		0.925	3.8	ug/Kg	
SS175B	BC027	4/18/2002	CPEST	P,P'-DDT	5.4	J	1.22	3.8	ug/Kg	
SS175B	BC027	4/18/2002	SW8270	BENZOIC ACID	31	J	31	940	ug/Kg	
SS175B	BC027	4/18/2002	CVOL	ACETONE	96	J	3.81	10	ug/Kg	
SS175B	BC027	4/18/2002	CVOL	METHYL ETHYL KETONE (2-BUTANONE)	7	J	3.6	10	ug/Kg	
SS175B	BC027	4/18/2002	CL200.7	COBALT	0.95	J	0.6	0.6	mg/Kg	
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW7471A	MERCURY	0.02	J	0.016	0.0393	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	HEPTACHLORONAPHTHALENE, (TOTAL)	570		7.8	39	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	VANADIUM	14.4		0.29	4.3624	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	ZINC	55.8		0.2	1.745	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	BENZOIC ACID	1000		388	980	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	720	B	118	390	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	CHLORONAPHTHALENE, (TOTAL)	39		15	39	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	SILVER	0.59	J	0.31	0.8725	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	DIMETHYL PHTHALATE	1000		101	390	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	OCTACHLORONAPHTHALENE, (TOTAL)	28	J	8.1	39	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	HEXACHLORONAPHTHALENE, (TOTAL)	5300		420	1900	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	ALUMINUM	8190		2.8	17.4497	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	28000		720	1900	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	MAGNESIUM	941		14	436.243	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	71000		2000	7800	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	64000		1600	7800	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	3500		50	190	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	BERYLLIUM	0.16	J	0.017	0.4362	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW8270C	PHENOL	140	J	89.4	390	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	POTASSIUM	459		16.1	436.243	mg/Kg	J66

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	BARIUM	11.7	J	0.54	17.4497	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	BORON	1.4	J	0.65	8.7249	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	CADMIUM	3.3		0.052	0.4362	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	CALCIUM	848		14.2	436.243	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	CHROMIUM, TOTAL	66.9		0.16	0.8725	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	MOLYBDENUM	3.5		0.19	0.8725	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	COPPER	1550		24.4	218.122	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	IRON	20200		6.3	17.4497	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	LEAD	5.6		0.3	0.8725	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	MANGANESE	113		0.052	1.3087	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	COBALT	2	J	0.19	4.3624	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	ARSENIC	3.8		0.31	0.8725	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (post)	2/20/2007	SW6010B	NICKEL	19.2		0.24	3.4899	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	MAGNESIUM	1270		18.4	573.092	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	MANGANESE	69		0.069	1.7193	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	NICKEL	4.7		0.31	4.5847	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	POTASSIUM	484	J	21.1	573.092	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	VANADIUM	15.1		0.38	5.7309	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	ZINC	21.7		0.26	2.2924	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW8270C	ACETOPHENONE	720	NJ			ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW8270C	BENZOIC ACID	700	J	493	1200	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	LEAD	11.8		0.39	1.1462	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW8270C	PHENOL	140	J	113	490	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	BARIUM	10.3	J	0.71	22.9237	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW8270C	2-CHLOROBENZOIC ACID	1800	J	158	2500	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	IRON	11000		8.3	22.9237	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	COPPER	15.5		0.32	2.8655	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	COBALT	1.5	J	0.25	5.7309	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	CHROMIUM, TOTAL	10.1		0.21	1.1462	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	CALCIUM	143	J	18.6	573.092	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	CADMIUM	0.29	J	0.069	0.5731	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	BERYLLIUM	0.17	J	0.023	0.5731	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	ARSENIC	3.2		0.4	1.1462	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	ALUMINUM	8650		3.7	22.9237	mg/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	43		1.3	13	ug/Kg	J66
SSJ1IAP001	ECC020807J1IAP01 (pre)	2/14/2007	SW6010B	BORON	1.3	J	0.86	11.4618	mg/Kg	J66
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	LEAD	6.4		0.31	0.9191	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	VANADIUM	23.1		0.3	4.5953	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	ALUMINUM	16500		3	18.381	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW8270C	PHENOL	150	J	93.8	410	ug/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW8270C	PENTACHLORNAPHTHALENE, (TOTAL)	17	J	14	39	ug/Kg	

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW8270C	BENZALDEHYDE	160	NJ			ug/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	ZINC	20.1		0.21	1.8381	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	POTASSIUM	647		16.9	459.525	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	NICKEL	8.3		0.25	3.6762	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW7471A	MERCURY	0.028	J	0.021	0.0493	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	MANGANESE	67.2		0.055	1.3786	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	MAGNESIUM	1700		14.8	459.525	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	BORON	1.9	J	0.69	9.1905	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	ARSENIC	5		0.32	0.9191	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW8270C	ACETOPHENONE	780	NJ			ug/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	COPPER	9.5		0.26	2.2976	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	BERYLLIUM	0.35	J	0.018	0.4595	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	BARIUM	14.7	J	0.57	18.381	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	CADMIUM	0.44	J	0.055	0.4595	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	CALCIUM	134	J	14.9	459.525	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	CHROMIUM, TOTAL	17.2		0.17	0.9191	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	COBALT	2.6	J	0.2	4.5953	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post)	2/20/2007	SW6010B	IRON	17500		6.7	18.381	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	MANGANESE	91.6		0.057	1.4302	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	THALLIUM	0.74	J	0.67	2.3837	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	NICKEL	10.1		0.26	3.814	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	POTASSIUM	822		17.6	476.749	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW7471A	MERCURY	0.016	J	0.015	0.036	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	VANADIUM	25.3		0.31	4.7675	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	ZINC	37.6		0.22	1.907	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW8270C	ACETOPHENONE	490	NJ			ug/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW8270C	PHENOL	100	J	93.8	410	ug/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	MAGNESIUM	2300		15.3	476.749	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	ARSENIC	5.9		0.33	0.9535	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW8270C	BENZALDEHYDE	120	NJ		0	ug/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	LEAD	8.1		0.32	0.9535	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	IRON	19300		6.9	19.07	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	COPPER	13.7		0.27	2.3837	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	COBALT	3.7	J	0.21	4.7675	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	CHROMIUM, TOTAL	18.8		0.17	0.9535	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	CALCIUM	165	J	15.5	476.749	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	CADMIUM	0.67		0.057	0.4767	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	BORON	2.4	J	0.72	9.535	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	BARIUM	17	J	0.59	19.07	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	ALUMINUM	15800		3.1	19.07	mg/Kg	
SSJ1IAP003	ECC0021507J1IAP01 (post_D	2/20/2007	SW6010B	BERYLLIUM	0.45	J	0.019	0.4767	mg/Kg	

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSJ1SPL001	J1SPL001_SS2	12/27/2006	SW6010B	CADMIUM	0.094	J	0.051	0.508	mg/Kg	K67
SSJ1SPL002	J1SPL002_SS1	12/27/2006	SW6010B	COPPER	17.3		0.21	2.4002	mg/Kg	K66
SSJ1SPL002	J1SPL002_SS3	12/27/2006	SW6010B	COPPER	18.2		0.19	2.145	mg/Kg	K66
SSJ1SPL002	J1SPL002_SS4	12/27/2006	SW6010B	COPPER	42.1		0.19	2.1804	mg/Kg	K66
SSJ1SPL002	J1SPL002_SS5	12/27/2006	SW6010B	COPPER	15.8		0.21	2.3774	mg/Kg	K66
SSJ1SPL002	J1SPL002_SS7	12/27/2006	SW6010B	COPPER	12.6		0.21	2.4226	mg/Kg	K66
SSJ1SPL002	J1SPL002_SS8	12/27/2006	SW6010B	COPPER	21.2		0.22	2.5186	mg/Kg	K66
SSJ1SPL003	J1SPL003_SS6	12/27/2006	SW6010B	CADMIUM	0.097	J	0.047	0.4705	mg/Kg	K66
SSRDST0015	RDST0015_PE3	10/18/2006	SW6010B	CADMIUM	0.23	J	0.042	0.4171	mg/Kg	J66
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	MAGNESIUM	1030		13.8	13.8	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	MANGANESE	45	J	0.046	0.046	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW7471A	MERCURY	0.018	J	0.015	0.015	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	MOLYBDENUM	0.26	J	0.14	0.14	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	NICKEL	4.3		0.19	0.19	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	LEAD	201		0.16	0.16	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	SODIUM	66.5	J	43.2	43.2	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	SELENIUM	1.2		0.37	0.37	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	ZINC	291	J	0.15	0.15	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW8270C	PHENANTHRENE	17	J	16	350	ug/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	POTASSIUM	348		36	36	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	BARIUM	8.2		0.42	0.42	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	VANADIUM	11.1		0.21	0.21	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	IRON	6710		4.7	4.7	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	ARSENIC	2.8		0.36	0.36	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	ALUMINUM	6560		9.2	9.2	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	BERYLLIUM	0.17		0.023	0.023	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	CADMIUM	0.58	J	0.031	0.031	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	CALCIUM	87.8		14.3	14.3	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	CHROMIUM, TOTAL	7.8		0.1	0.1	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	COBALT	1.5		0.22	0.22	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	COPPER	983		0.93	0.93	mg/Kg	
SSRDST0064	TT080306-01RDS-C-POST	8/10/2006	SW6010B	ANTIMONY	0.68	J	0.6	0.6	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	MAGNESIUM	1130		13.8	13.8	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	MANGANESE	60.5	J	0.047	0.047	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW7471A	MERCURY	0.019	J	0.015	0.015	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	MOLYBDENUM	0.53		0.14	0.14	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	NICKEL	4.4		0.19	0.19	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	POTASSIUM	418		36	36	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	LEAD	5.3		0.16	0.16	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	ZINC	37	J	0.15	0.15	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	BARIUM	9.2		0.42	0.42	mg/Kg	

J - Estimated
NJ = Estimated Result
UJ = Estimated Non Detect
DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-4

J-1 Range Current Conditions - Detected Sample Summary

Location	Sample_ID	Date	Test	Analyte	Result	Qual	DL	RL	Units	Grid_ID
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	VANADIUM	12.4		0.21	0.21	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	IRON	7270		4.7	4.7	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	COPPER	6.6		0.17	0.17	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	COBALT	2.1		0.22	0.22	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	CHROMIUM, TOTAL	8.2		0.1	0.1	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	CALCIUM	151		14.3	14.3	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	BERYLLIUM	0.2		0.023	0.023	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	ARSENIC	2.6		0.36	0.36	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	ALUMINUM	6450		9.2	9.2	mg/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	30		4.8	13	ug/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	46	J	45	350	ug/Kg	
SSRDST0064	TT080306-01RDS-C-PRE	8/10/2006	SW6010B	BORON	1.3		0.57	0.57	mg/Kg	

J - Estimated
NJ = Estimated Result
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DL = Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	230		13	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	7900	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1I36CSL03	J1I36CSL03	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	330		15	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	440		13	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1I37CSL01	J1I37CSL01	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1J35CSL01	J1J35CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	VANADIUM	16.2		0.034	2.451	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ZINC	42.5		0.0059	0.9804	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	THALLIUM	ND	U	0.038	1.2255	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ANTIMONY	ND	UJ	0.059	2.9412	mg/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SELENIUM	0.31	J	0.098	1.7157	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	LEAD	206		0.4559	4.902	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	NICKEL	9.1		0.022	1.9608	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MANGANESE	131		0.0027	0.7353	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MAGNESIUM	3410		0.89	245.098	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MOLYBDENUM	1.2		0.0098	0.4902	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SODIUM	37.3	J	1.5	245.098	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	POTASSIUM	513		5.3	245.098	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	IRON	14100		0.41	9.8039	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	COPPER	1180	J	0.3431	12.2549	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CADMIUM	1.5		0.0059	0.2451	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	COBALT	3		0.011	2.451	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CHROMIUM, TOTAL	14		0.0088	0.4902	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CALCIUM	15900		1.9	245.098	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SILVER	ND	U	0.025	0.4902	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ALUMINUM	10100		1.4	9.8039	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ARSENIC	4.5	J	0.064	0.4902	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BORON	2.2	J	0.083	4.902	mg/Kg

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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BARIUM	246		1.6667	98.0392	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BERYLLIUM	0.27		0.0078	0.2451	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW6850	PERCHLORATE	2.3		0.075	0.8	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW7471A	MERCURY	0.011	J	0.0093	0.0222	mg/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYL-3-NITROANILINE	ND	U	11	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	5-NITRO-o-TOLUIDINE	ND	U	42	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4,6-TRICHLOROPHENOL	ND	U	19	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,2,4-TRICHLOROBENZENE	ND	U	27	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4,5-TRICHLOROPHENOL	ND	U	34	830	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PHENANTHRENE	20	J	20	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PHENOL	ND	U	22	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PYRENE	27	J	23	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PENTACHLOROPHENOL	ND	U	29	830	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITROPHENOL	ND	U	28	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-NITROPHENOL	ND	U	22	830	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,2'-OXYBIS(1-CHLORO)PROPANE	ND	U	30	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	NITROBENZENE	ND	U	27	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-NITROANILINE	ND	U	13	830	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITRODIPHENYLAMINE	ND	U	23	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODIMETHYLAMINE	ND	U	45	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODIPHENYLAMINE	ND	U	29	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODI-n-PROPYLAMINE	ND	U	22	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITROANILINE	ND	U	21	830	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3-NITROANILINE	ND	U	42	830	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYLPHENOL (o-CRESOL)	ND	U	22	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-METHYLPHENOL (p-CRESOL)	ND	U	15	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYLNAPHTHALENE	ND	U	22	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	NAPHTHALENE	ND	U	25	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	INDENO(1,2,3-c,d)PYRENE	ND	U	21	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ISOPHORONE	ND	U	16	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROETHANE	ND	U	49	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,6-DINITROTOLUENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIPROPYL ADIPATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	FLUORENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	FLUORANTHENE	24	J	18	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROBUTADIENE	ND	U	30	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROCYCLOPENTADIENE	ND	U	28	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROBENZENE	ND	U	24	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DI-n-BUTYL PHTHALATE	27	J	19	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DINITROTOLUENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4,6-DINITRO-2-METHYLPHENOL	ND	U	39	830	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3,5-DINITROANILINE	ND	U	29	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DI-n-OCTYLPHTHALATE	ND	U	13	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DINITROPHENOL	ND	U	330	830	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,4-DICHLOROBENZENE	ND	U	48	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DICHLOROPHENOL	ND	U	19	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N,N'-DIETHYLCARBANILIDE	ND	U	20	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIETHYL PHTHALATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DIMETHYLPHENOL	ND	U	24	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIMETHYL PHTHALATE	ND	U	18	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,2-DICHLOROBENZENE	ND	U	45	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,3-DICHLOROBENZENE	ND	U	47	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIBENZOFURAN	ND	U	19	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3,3'-DICHLOROBENZIDINE	ND	U	13	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIBENZ(a,h)ANTHRACENE	ND	U	14	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	CHRYSENE	ND	U	24	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROANILINE	ND	U	11	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROPHENOL	ND	U	31	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLORONAPHTHALENE	ND	U	14	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROPHENYL PHENYL ETHER	ND	U	15	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-BROMOPHENYL PHENYL ETHER	ND	U	18	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(a)ANTHRACENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZOIC ACID	ND	U	330	830	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(a)PYRENE	ND	U	16	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(b)FLUORANTHENE	ND	U	34	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(g,h,i)PERYLENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(k)FLUORANTHENE	ND	U	35	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZYL ALCOHOL	ND	U	31	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLORO-3-METHYLPHENOL	ND	U	23	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	CARBAZOLE	ND	U	19	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROBENZALDEHYDE	ND	U	48	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROBENZOIC ACID	ND	U	330	1700	ug/Kg

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Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROBENZALDEHYDE	ND	U	37	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3-CHLOROBENZALDEHYDE	ND	U	36	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ACENAPHTHENE	ND	U	15	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ACENAPHTHYLENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ANILINE (PHENYLAMINE, AMINOBENZENE)	ND	U	19	830	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ANTHRACENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZYL BUTYL PHTHALATE	ND	U	22	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-CHLOROETHOXY) METHANE	ND	U	24	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ND	U	36	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	TETRYL	ND	U	16	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	820		11	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	870	5000	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	14	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	440		19	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J36CSL01	J1J36CSL01_MID	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BARIUM	35.6		0.17	10.0503	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ARSENIC	4.4		0.065	0.5025	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BORON	2.3	J	0.085	5.0251	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BERYLLIUM	0.27		0.008	0.2513	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ALUMINUM	11100		1.5	10.0503	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SILVER	ND	U	0.026	0.5025	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CADMIUM	0.45		0.006	0.2513	mg/Kg

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SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CALCIUM	7350		2	251.2563	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CHROMIUM, TOTAL	26.7		0.009	0.5025	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	COBALT	3.6		0.012	2.5126	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	COPPER	106		0.035	1.2563	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	IRON	14900		0.42	10.0503	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	POTASSIUM	607		5.5	251.2563	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SODIUM	37.7	J	1.5	251.2563	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MANGANESE	116		0.0028	0.7538	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MOLYBDENUM	3.4		0.01	0.5025	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MAGNESIUM	2690		0.91	251.2563	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	NICKEL	32.6		0.023	2.0101	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	LEAD	47.1		0.047	0.5025	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SELENIUM	0.22	J	0.1	1.7588	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ANTIMONY	0.47	J	0.06	3.0151	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	THALLIUM	ND	U	0.068	1.2563	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	VANADIUM	20.2		0.035	2.5126	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ZINC	44.1		0.006	1.005	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW6850	PERCHLORATE	0.43	J	0.075	0.8	ug/Kg

J - Estimated
UJ = Estimated Non Detect
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MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW7471A	MERCURY	0.014	J	0.0098	0.0235	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ND	U	36	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	40	J	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ACENAPHTHYLENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZYL BUTYL PHTHALATE	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ANTHRACENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ANILINE (PHENYLAMINE, AMINOBENZENE)	ND	U	19	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ACENAPHTHENE	ND	U	15	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3-CHLOROBENZALDEHYDE	ND	U	36	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROBENZALDEHYDE	ND	U	37	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROBENZOIC ACID	ND	U	330	1700	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROBENZALDEHYDE	ND	U	48	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-CHLOROETHOXY) METHANE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	CARBAZOLE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLORO-3-METHYLPHENOL	ND	U	23	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(k)FLUORANTHENE	ND	U	35	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZYL ALCOHOL	ND	U	31	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(b)FLUORANTHENE	ND	U	34	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(g,h,i)PERYLENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZOIC ACID	ND	U	330	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(a)PYRENE	ND	U	16	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-BROMOPHENYL PHENYL ETHER	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(a)ANTHRACENE	22	J	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLORONAPHTHALENE	ND	U	14	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	CHRYSENE	30	J	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROPHENYL PHENYL ETHER	ND	U	15	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROANILINE	ND	U	11	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROPHENOL	ND	U	31	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIBENZ(a,h)ANTHRACENE	ND	U	14	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3,3'-DICHLOROBENZIDINE	ND	U	13	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,3-DICHLOROBENZENE	ND	U	47	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIBENZOFURAN	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,2-DICHLOROBENZENE	ND	U	45	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIMETHYL PHTHALATE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,4-DICHLOROBENZENE	ND	U	48	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N,N'-DIETHYLCARBANILIDE	ND	U	20	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DIMETHYLPHENOL	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4,6-DINITRO-2-METHYLPHENOL	ND	U	39	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIETHYL PHTHALATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DICHLOROPHENOL	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DINITROPHENOL	ND	U	330	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3,5-DINITROANILINE	ND	U	29	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DI-n-BUTYL PHTHALATE	490		19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DI-n-OCTYLPHTHALATE	ND	U	13	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DINITROTOLUENE	440		18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROCYCLOPENTADIENE	ND	U	28	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROBENZENE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	FLUORANTHENE	33	J	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROBUTADIENE	ND	U	30	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIPROPYL ADIPATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,6-DINITROTOLUENE	25	J	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROETHANE	ND	U	49	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	FLUORENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	INDENO(1,2,3-c,d)PYRENE	ND	U	21	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ISOPHORONE	ND	U	16	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-METHYLPHENOL (p-CRESOL)	ND	U	15	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYLPHENOL (o-CRESOL)	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYLNAPHTHALENE	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	NAPHTHALENE	ND	U	25	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITROANILINE	ND	U	21	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3-NITROANILINE	ND	U	42	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODIPHENYLAMINE	47	J	29	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODI-n-PROPYLAMINE	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITRODIPHENYLAMINE	ND	U	23	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODIMETHYLAMINE	ND	U	45	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-NITROANILINE	ND	U	13	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	NITROBENZENE	ND	U	27	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,2'-OXYBIS(1-CHLORO)PROPANE	ND	U	30	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-NITROPHENOL	ND	U	22	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITROPHENOL	ND	U	28	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PENTACHLOROPHENOL	ND	U	29	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,2,4-TRICHLOROBENZENE	ND	U	27	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PYRENE	30	J	23	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PHENANTHRENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PHENOL	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4,5-TRICHLOROPHENOL	ND	U	34	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4,6-TRICHLOROPHENOL	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	5-NITRO-o-TOLUIDINE	ND	U	42	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYL-3-NITROANILINE	ND	U	11	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	2500		19	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	14	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg

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Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	870	5000	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	11	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	TETRYL	ND	U	16	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_N	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BARIUM	23.2		0.17	10	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ARSENIC	4.4		0.065	0.5	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BORON	2.2	J	0.085	5	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BERYLLIUM	0.3		0.008	0.25	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ALUMINUM	11900		1.5	10	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SILVER	ND	U	0.055	0.5	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CADMIUM	0.32		0.006	0.25	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CALCIUM	2390		2	250	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CHROMIUM, TOTAL	33.7		0.009	0.5	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	COBALT	3.5		0.011	2.5	mg/Kg

J - Estimated
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RL = Reporting Limit

ug/Kg = microgram per Kilogram
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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	COPPER	121		0.035	1.25	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	IRON	15900		0.84	20	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	POTASSIUM	566		5.4	250	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SODIUM	32.2	J	1.5	250	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MANGANESE	103		0.0028	0.75	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MOLYBDENUM	4.1		0.01	0.5	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MAGNESIUM	2080		0.91	250	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	NICKEL	38.8		0.023	2	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	LEAD	49.6		0.046	0.5	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SELENIUM	0.12	J	0.1	1.75	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ANTIMONY	ND	U	0.096	3	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	THALLIUM	ND	U	0.038	1.25	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	VANADIUM	21.3		0.035	2.5	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ZINC	45.2		0.006	1	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW6850	PERCHLORATE	0.48	J	0.075	0.8	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW7471A	MERCURY	0.027		0.0098	0.0235	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	82	J	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ND	U	36	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-CHLOROETHOXY) METHANE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZYL BUTYL PHTHALATE	24	J	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ANILINE (PHENYLAMINE, AMINOBENZENE)	ND	U	19	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ANTHRACENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ACENAPHTHENE	ND	U	15	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ACENAPHTHYLENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROBENZALDEHYDE	ND	U	37	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3-CHLOROBENZALDEHYDE	ND	U	36	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROBENZALDEHYDE	ND	U	48	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	CARBAZOLE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROBENZOIC ACID	ND	U	330	1700	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLORO-3-METHYLPHENOL	ND	U	23	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZYL ALCOHOL	ND	U	31	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(k)FLUORANTHENE	ND	U	35	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(g,h,i)PERYLENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(b)FLUORANTHENE	ND	U	34	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(a)PYRENE	ND	U	16	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZOIC ACID	ND	U	330	830	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(a)ANTHRACENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-BROMOPHENYL PHENYL ETHER	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROPHENYL PHENYL ETHER	ND	U	15	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROPHENOL	ND	U	31	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLORONAPHTHALENE	ND	U	14	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	CHRYSENE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROANILINE	ND	U	11	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIBENZ(a,h)ANTHRACENE	ND	U	14	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIBENZOFURAN	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3,3'-DICHLOROBENZIDINE	ND	U	13	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,2-DICHLOROBENZENE	ND	U	45	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIETHYL PHTHALATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DIMETHYLPHENOL	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIMETHYL PHTHALATE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4,6-DINITRO-2-METHYLPHENOL	ND	U	39	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DICHLOROPHENOL	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N,N'-DIETHYLCARBANILIDE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,3-DICHLOROBENZENE	ND	U	47	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,4-DICHLOROBENZENE	ND	U	48	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DI-n-BUTYL PHTHALATE	56	J	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DI-n-OCTYLPHTHALATE	ND	U	13	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3,5-DINITROANILINE	ND	U	29	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DINITROPHENOL	ND	U	330	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DINITROTOLUENE	67	J	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROBUTADIENE	ND	U	30	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROCYCLOPENTADIENE	ND	U	28	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	FLUORENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	FLUORANTHENE	22	J	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,6-DINITROTOLUENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIPROPYL ADIPATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROBENZENE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROETHANE	ND	U	49	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ISOPHORONE	ND	U	16	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	INDENO(1,2,3-c,d)PYRENE	ND	U	21	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	NAPHTHALENE	ND	U	25	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYLNAPHTHALENE	ND	U	22	330	ug/Kg

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Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYLPHENOL (o-CRESOL)	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-METHYLPHENOL (p-CRESOL)	ND	U	15	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3-NITROANILINE	ND	U	42	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITROANILINE	ND	U	21	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODI-n-PROPYLAMINE	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODIPHENYLAMINE	ND	U	29	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODIMETHYLAMINE	ND	U	45	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITRODIPHENYLAMINE	ND	U	23	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-NITROANILINE	ND	U	13	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	NITROBENZENE	ND	U	27	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITROPHENOL	ND	U	28	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-NITROPHENOL	ND	U	22	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PENTACHLOROPHENOL	ND	U	29	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,2'-OXYBIS(1-CHLORO)PROPANE	ND	U	30	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PHENANTHRENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PHENOL	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PYRENE	ND	U	23	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,2,4-TRICHLOROBENZENE	ND	U	27	330	ug/Kg

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SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4,5-TRICHLOROPHENOL	ND	U	34	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4,6-TRICHLOROPHENOL	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYL-3-NITROANILINE	ND	U	11	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	5-NITRO-o-TOLUIDINE	ND	U	42	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	4200		19	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	95	190	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	2600	5200	ug/Kg

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RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	11	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	TETRYL	ND	U	16	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR1	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BARIUM	19.3		0.17	10.101	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ARSENIC	3.8		0.066	0.5051	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BORON	2	J	0.086	5.0505	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BERYLLIUM	0.26		0.0081	0.2525	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ALUMINUM	9990		1.5	10.101	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SILVER	ND	U	0.026	0.5051	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CADMIUM	0.32		0.0061	0.2525	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CALCIUM	4350		2	252.5253	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CHROMIUM, TOTAL	26.8		0.0091	0.5051	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	COBALT	3.1		0.012	2.5253	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	COPPER	92.7		0.035	1.2626	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	IRON	13000		0.42	10.101	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	POTASSIUM	523		5.5	252.5253	mg/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SODIUM	27.8	J	1.5	252.5253	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MANGANESE	95.1		0.0028	0.7576	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MOLYBDENUM	3		0.01	0.5051	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MAGNESIUM	2070		0.92	252.5253	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	NICKEL	25.9		0.023	2.0202	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	LEAD	35.1		0.047	0.5051	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SELENIUM	0.14	J	0.1	1.7677	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ANTIMONY	ND	U	0.1	3.0303	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	THALLIUM	ND	U	0.039	1.2626	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	VANADIUM	17.7		0.035	2.5253	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ZINC	43.4		0.0061	1.0101	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW6850	PERCHLORATE	0.38	J	0.075	0.8	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW7471A	MERCURY	0.013	J	0.0096	0.0231	mg/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	47	J	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ND	U	36	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-CHLOROETHOXY) METHANE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZYL BUTYL PHTHALATE	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ANILINE (PHENYLAMINE, AMINOBENZENE)	ND	U	19	830	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ANTHRACENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ACENAPHTHENE	ND	U	15	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ACENAPHTHYLENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROBENZALDEHYDE	ND	U	37	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3-CHLOROBENZALDEHYDE	ND	U	36	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROBENZALDEHYDE	ND	U	48	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	CARBAZOLE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROBENZOIC ACID	ND	U	330	1700	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLORO-3-METHYLPHENOL	ND	U	23	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZYL ALCOHOL	ND	U	31	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(k)FLUORANTHENE	ND	U	35	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(g,h,i)PERYLENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(b)FLUORANTHENE	ND	U	34	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(a)PYRENE	ND	U	16	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZOIC ACID	ND	U	330	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(a)ANTHRACENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-BROMOPHENYL PHENYL ETHER	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROPHENYL PHENYL ETHER	ND	U	15	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROPHENOL	ND	U	31	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLORONAPHTHALENE	ND	U	14	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	CHRYSENE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROANILINE	ND	U	11	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIBENZ(a,h)ANTHRACENE	ND	U	14	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIBENZOFURAN	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3,3'-DICHLOROBENZIDINE	ND	U	13	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,2-DICHLOROBENZENE	ND	U	45	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIETHYL PHTHALATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DIMETHYLPHENOL	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIMETHYL PHTHALATE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4,6-DINITRO-2-METHYLPHENOL	ND	U	39	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DICHLOROPHENOL	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N,N'-DIETHYLCARBANILIDE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,3-DICHLOROBENZENE	ND	U	47	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,4-DICHLOROBENZENE	ND	U	48	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DI-n-BUTYL PHTHALATE	25	J	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DI-n-OCTYLPHTHALATE	ND	U	13	330	ug/Kg

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TABLE 4-5
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Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3,5-DINITROANILINE	ND	U	29	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DINITROPHENOL	ND	U	330	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DINITROTOLUENE	64	J	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROBUTADIENE	ND	U	30	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROCYCLOPENTADIENE	ND	U	28	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	FLUORENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	FLUORANTHENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,6-DINITROTOLUENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIPROPYL ADIPATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROBENZENE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROETHANE	ND	U	49	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ISOPHORONE	ND	U	16	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	INDENO(1,2,3-c,d)PYRENE	ND	U	21	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	NAPHTHALENE	ND	U	25	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYLNAPHTHALENE	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYLPHENOL (o-CRESOL)	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-METHYLPHENOL (p-CRESOL)	ND	U	15	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3-NITROANILINE	ND	U	42	830	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITROANILINE	ND	U	21	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODI-n-PROPYLAMINE	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODIPHENYLAMINE	ND	U	29	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODIMETHYLAMINE	ND	U	45	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITRODIPHENYLAMINE	ND	U	23	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-NITROANILINE	ND	U	13	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	NITROBENZENE	ND	U	27	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITROPHENOL	ND	U	28	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-NITROPHENOL	ND	U	22	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PENTACHLOROPHENOL	ND	U	29	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,2'-OXYBIS(1-CHLORO)PROPANE	ND	U	30	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PHENANTHRENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PHENOL	ND	U	22	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PYRENE	ND	U	23	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,2,4-TRICHLOROBENZENE	ND	U	27	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4,5-TRICHLOROPHENOL	ND	U	34	830	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4,6-TRICHLOROPHENOL	ND	U	19	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYL-3-NITROANILINE	ND	U	11	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	5-NITRO-o-TOLUIDINE	ND	U	42	330	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	4200		19	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	75	150	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	870	5000	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	11	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	TETRYL	ND	U	16	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1J36CSL01_N	J1J36CSL01_NR2	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ZINC	23.5		0.006	1	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	VANADIUM	17.8		0.035	2.5	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	THALLIUM	ND	U	0.038	1.25	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ANTIMONY	1.2	J	0.06	3	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SELENIUM	0.14	J	0.1	1.75	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	LEAD	99.9		0.046	0.5	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	NICKEL	7.4		0.023	2	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MOLYBDENUM	0.85		0.01	0.5	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MAGNESIUM	1350		0.91	250	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	MANGANESE	58.6		0.0028	0.75	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SODIUM	24.7	J	1.5	250	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	POTASSIUM	423		5.4	250	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	IRON	11300		0.42	10	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CADMIUM	0.14	J	0.006	0.25	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	COBALT	2.1	J	0.011	2.5	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CHROMIUM, TOTAL	15		0.009	0.5	mg/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	COPPER	48.3		0.035	1.25	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	CALCIUM	1420		2	250	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	SILVER	ND	U	0.025	0.5	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ALUMINUM	11300		1.5	10	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	ARSENIC	3.7		0.065	0.5	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BORON	1.8	J	0.085	5	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BARIUM	13.4		0.17	10	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6010B	BERYLLIUM	0.24	J	0.008	0.25	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW6850	PERCHLORATE	1		0.075	0.8	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW7471A	MERCURY	0.014	J	0.01	0.0245	mg/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYL-3-NITROANILINE	ND	U	11	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	5-NITRO-o-TOLUIDINE	ND	U	42	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4,6-TRICHLOROPHENOL	ND	U	19	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4,5-TRICHLOROPHENOL	ND	U	34	830	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,2,4-TRICHLOROBENZENE	ND	U	27	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PHENOL	ND	U	22	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PHENANTHRENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PYRENE	ND	U	23	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	PENTACHLOROPHENOL	ND	U	29	830	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-NITROPHENOL	ND	U	22	830	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITROPHENOL	ND	U	28	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,2'-OXYBIS(1-CHLORO)PROPANE	ND	U	30	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	NITROBENZENE	ND	U	27	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITRODIPHENYLAMINE	37	J	23	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODIMETHYLAMINE	ND	U	45	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODIPHENYLAMINE	120	J	29	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N-NITROSODI-n-PROPYLAMINE	ND	U	22	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-NITROANILINE	ND	U	21	830	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3-NITROANILINE	ND	U	42	830	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-NITROANILINE	ND	U	13	830	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-METHYLPHENOL (p-CRESOL)	ND	U	15	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	INDENO(1,2,3-c,d)PYRENE	ND	U	21	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYLPHENOL (o-CRESOL)	ND	U	22	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-METHYLNAPHTHALENE	ND	U	22	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	NAPHTHALENE	ND	U	25	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ISOPHORONE	ND	U	16	330	ug/Kg

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Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROETHANE	ND	U	49	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,6-DINITROTOLUENE	160	J	18	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIPROPYL ADIPATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	FLUORENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	FLUORANTHENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROBUTADIENE	ND	U	30	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROCYCLOPENTADIENE	ND	U	28	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	HEXACHLOROBENZENE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DI-n-BUTYL PHTHALATE	2300		19	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3,5-DINITROANILINE	ND	U	29	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DI-n-OCTYLPHTHALATE	ND	U	13	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DINITROPHENOL	ND	U	330	830	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DINITROTOLUENE	2600		25.74	470	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,4-DICHLOROBENZENE	ND	U	48	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DICHLOROPHENOL	ND	U	19	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	N,N'-DIETHYLCARBANILIDE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIETHYL PHTHALATE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4,6-DINITRO-2-METHYLPHENOL	ND	U	39	830	ug/Kg

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MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2,4-DIMETHYLPHENOL	ND	U	24	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIMETHYL PHTHALATE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,3-DICHLOROBENZENE	ND	U	47	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	1,2-DICHLOROBENZENE	ND	U	45	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3,3'-DICHLOROBENZIDINE	ND	U	13	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIBENZOFURAN	ND	U	19	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	DIBENZ(a,h)ANTHRACENE	ND	U	14	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROANILINE	ND	U	11	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	CHRYSENE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLORONAPHTHALENE	ND	U	14	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROPHENOL	ND	U	31	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROPHENYL PHENYL ETHER	ND	U	15	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(a)ANTHRACENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZOIC ACID	ND	U	330	830	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(a)PYRENE	ND	U	16	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(b)FLUORANTHENE	ND	U	34	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(g,h,i)PERYLENE	ND	U	18	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZO(k)FLUORANTHENE	ND	U	35	330	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZYL ALCOHOL	ND	U	31	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLORO-3-METHYLPHENOL	ND	U	23	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	CARBAZOLE	ND	U	19	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROBENZOIC ACID	ND	U	330	1700	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	2-CHLOROBENZALDEHYDE	ND	U	48	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	3-CHLOROBENZALDEHYDE	ND	U	36	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-CHLOROBENZALDEHYDE	ND	U	37	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ACENAPHTHYLENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ACENAPHTHENE	ND	U	15	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ANTHRACENE	ND	U	20	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	ANILINE (PHENYLAMINE, AMINOBENZENE)	ND	U	19	830	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-CHLOROETHOXY) METHANE	ND	U	24	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ND	U	36	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	BENZYL BUTYL PHTHALATE	ND	U	22	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	bis(2-ETHYLHEXYL) PHTHALATE	43	J	19	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8270C	4-BROMOPHENYL PHENYL ETHER	ND	U	18	330	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	13	120	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	TETRYL	ND	U	16	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	11	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	870	5000	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	14	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	830		19	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J36CSL01_S	J1J36CSL01_S	MIS/consolidated BIP	10/30/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg

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SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R1	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1J36CSL02	J1J36CSL02_R2	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	560		13	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1J37CSL01	J1J37CSL01	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW6010B	NICKEL	23.4		0.023	3.9801	mg/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	19	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	14	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	870	5000	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	11	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	TETRYL	ND	U	16	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1J3801	J1J38100_01	MIS	12/1/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg

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MDL = Method Detection Limit
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ug/Kg = microgram per Kilogram
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J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1K35CSL01	J1K35CSL01	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	UJ	11	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	UJ	15	250	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	130		13	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1K36CSL01	J1K36CSL01	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW6010B	NICKEL	27.4		0.023	3.9604	mg/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	TETRYL	920		16	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	11	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	35000	70000	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	14	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	970		19	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1K3701	J1K37100_01	MIS	12/1/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW6010B	NICKEL	27.2		0.022	3.9216	mg/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	330		19	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	14	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	7000	14000	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	11	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	TETRYL	ND	U	16	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	630		13	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSJ1K3802	J1K38100_02	MIS	12/1/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW6010B	NICKEL	28.2		0.022	3.9216	mg/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	710		19	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	14	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	60000	120000	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	11	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	TETRYL	ND	U	16	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1K3802	J1K38100_02R1	MIS	12/1/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW6010B	NICKEL	21.3		0.022	3.9216	mg/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	2500		19	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	130		14	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	17000	34000	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	11	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	TETRYL	ND	U	16	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSJ1K3802	J1K38100_02R2	MIS	12/1/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1K40CSL01	J1K40CSL01	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.2857	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.0476	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.4762	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.2857	240	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.4762	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.381	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.4286	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.2381	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21.9048	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	37.1429	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.4762	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.0952	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	27.619	2400	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	43.8095	4800	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.2857	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	TETRYL	ND	U	18.0952	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.2381	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	26.6667	110	ug/Kg
SSJ1L36BERM	J1L36BERM	MIS	7/8/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.2381	110	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	2200		15	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	390		16	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1L37CSL01	J1L37CSL01	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW6010B	NICKEL	15.5		0.023	3.9409	mg/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	60	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	27	250	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	19	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	2,4-DINITROTOLUENE	890		19	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	14	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	12	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	4-NITROTOLUENE	ND	U	22	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	3-NITROTOLUENE	ND	U	29	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	NITROGLYCERIN	ND	U	660	2500	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	18500	37000	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	11	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	TETRYL	ND	U	16	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	PICRIC ACID	ND	U	40	120	ug/Kg
SSJ1L3801	J1L38100_01	MIS	12/1/2008	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.1028	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	PICRIC ACID	ND	U	14.9533	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	26.1682	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	TETRYL	ND	U	17.757	110	ug/Kg

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MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.0187	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	42.9907	4700	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	27.1028	2300	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	NITROBENZENE	ND	U	17.757	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.3178	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	36.4486	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21.4953	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	14.9533	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.215	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.1495	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.2804	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.0187	230	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.2804	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	6.9159	110	ug/Kg
SSJ1M3701	J1M3701_0709	MIS	7/8/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.0187	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.1028	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	PICRIC ACID	ND	U	14.9533	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	26.1682	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	TETRYL	ND	U	17.757	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.0187	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	42.9907	4700	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	27.1028	2300	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	NITROBENZENE	ND	U	17.757	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.3178	110	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	36.4486	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21.4953	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	14.9533	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.215	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.1495	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.2804	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.0187	230	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.2804	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	6.9159	110	ug/Kg
SSJ1M3701	J1M3701_0709R1	MIS	7/8/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.0187	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.1698	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.0943	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	26.4151	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	TETRYL	ND	U	17.9245	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.1509	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	43.3962	4700	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	27.3585	2400	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	NITROBENZENE	ND	U	17.9245	110	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.3962	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	36.7925	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21.6981	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.0943	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.3208	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.2642	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.3774	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.1509	240	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.3774	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	6.9811	110	ug/Kg
SSJ1M3701	J1M3701_0709R2	MIS	7/8/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.1509	110	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg

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ug/Kg = microgram per Kilogram
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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1M38CSL01	J1M38CSL01	MIS	3/25/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW6850	PERCHLORATE	0.28	J	0.0738	0.79	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.5248	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.8416	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.7228	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	TETRYL	ND	U	18.8119	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	540		14.8515	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	45.5446	5000	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.7129	2500	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.8119	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.8119	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.6139	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.7723	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.8416	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.8812	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.8713	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.8911	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.8515	250	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.8911	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.3267	120	ug/Kg
SSJ1SI101	J1SI101_A	MIS	10/1/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.8515	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW6850	PERCHLORATE	0.42	J	0.0741	0.79	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15.1515	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4747	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11.1111	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15.1515	250	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11.1111	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13.1313	120	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12.1212	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1200		16.1616	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23.2323	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39.3939	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9899	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19.1919	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29.2929	2500	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46.4646	5000	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	12000		15.25	110	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	TETRYL	ND	U	19.1919	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28.2828	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16.1616	120	ug/Kg
SSJ1SI201	J1SI201_A	MIS	8/27/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6768	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW6850	PERCHLORATE	0.39	J	0.073	0.78	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.451	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.6863	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.451	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	TETRYL	ND	U	18.6275	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	20000		44.1176	350	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	45.098	4900	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.4314	2500	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.7255	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.2353	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.6275	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.549	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	2000		15.6863	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.7647	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	600		12.7451	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.7843	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.7059	250	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.7843	120	ug/Kg
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.2549	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SI301	J1SI301_A	MIS	8/26/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.7059	120	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW6850	PERCHLORATE	0.35	J	0.075	0.8	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.2857	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.0476	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.4762	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.2857	240	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.4762	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.381	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.4286	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.2381	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21.9048	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.0952	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	37.1429	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.4762	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	27.619	2400	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	43.8095	4800	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.2857	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	TETRYL	ND	U	18.0952	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	26.6667	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.2381	110	ug/Kg
SSJ1SI401	J1SI401_A	MIS	8/26/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.2381	110	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW6850	PERCHLORATE	0.35	J	0.0735	0.78	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.5248	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.8416	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.7228	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	TETRYL	ND	U	18.8119	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.8515	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	45.5446	5000	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.7129	2500	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.8119	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.6139	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.8119	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.7723	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.8416	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.8812	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.8713	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.8911	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.8515	250	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.8911	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.3267	120	ug/Kg
SSJ1SI501	J1SI501_A	MIS	8/26/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.8515	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW6850	PERCHLORATE	0.39	J	0.0732	0.78	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.8515	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.3267	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.8911	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.8515	250	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.8911	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.8713	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.8812	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.8416	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.7723	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.8119	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.6139	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.8119	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.7129	2500	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	45.5446	5000	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.8515	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	TETRYL	ND	U	18.8119	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.7228	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.8416	120	ug/Kg
SSJ1SI601	J1SI601_A	MIS	8/26/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.5248	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW6850	PERCHLORATE	0.21	J	0.0747	0.8	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.451	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	PICRIC ACID	ND	UJ	15.6863	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.451	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	TETRYL	ND	U	18.6275	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	380		14.7059	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	45.098	4900	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.4314	2400	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.7255	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.2353	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.6275	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.549	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.6863	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.7647	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.7451	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.7843	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.7059	240	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	UJ	10.7843	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.2549	120	ug/Kg
SSJ1SJ101	J1SJ101_A	MIS	10/1/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.7059	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW6850	PERCHLORATE	0.2	J	0.0735	0.78	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.5248	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.8416	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.7228	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	TETRYL	ND	U	18.8119	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.8515	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	45.5446	5000	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.7129	2500	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.8119	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.6139	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.8119	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.7723	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.8416	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.8812	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.8713	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.8911	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.8515	250	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.8911	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.3267	120	ug/Kg
SSJ1SJ101	J1SJ101_AR1	MIS	10/1/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.8515	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW6850	PERCHLORATE	0.17	J	0.0747	0.8	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.5248	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.8416	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.7228	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	TETRYL	ND	U	18.8119	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.8515	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	45.5446	5000	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.7129	2500	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.8119	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.6139	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.8119	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.7723	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.8416	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.8812	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.8713	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.8911	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.8515	250	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.8911	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.3267	120	ug/Kg
SSJ1SJ101	J1SJ101_AR2	MIS	10/1/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.8515	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW6850	PERCHLORATE	0.22	J	0.0747	0.8	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.5631	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.1845	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.6796	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.5631	240	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.6796	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.6214	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.6505	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	410		15.534	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.3301	120	ug/Kg

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TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.4466	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	37.8641	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.6408	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.1553	2400	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	44.6602	4900	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	3500		14.5631	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	TETRYL	ND	U	18.4466	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.1845	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.534	120	ug/Kg
SSJ1SJ201	J1SJ201_A	MIS	8/27/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.3786	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW6850	PERCHLORATE	0.24	J	0.0747	0.8	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	1400		16	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	13000		30	240	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1SJ201	J1SJ201_AR1	MIS	8/27/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW6850	PERCHLORATE	0.24	J	0.0735	0.78	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.2857	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.0476	110	ug/Kg

J - Estimated
UJ = Estimated Non Detect
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.4762	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.2857	240	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.4762	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.381	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.4286	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	450		15.2381	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21.9048	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.0952	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	37.1429	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.4762	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	27.619	2400	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	43.8095	4800	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	3300		14.2857	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	TETRYL	ND	U	18.0952	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	26.6667	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.2381	110	ug/Kg
SSJ1SJ201	J1SJ201_AR2	MIS	8/27/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.2381	110	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW6850	PERCHLORATE	0.33	J	0.0727	0.78	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	PICRIC ACID	ND	UJ	15.8416	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.5248	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.7228	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	TETRYL	ND	U	18.8119	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	22000		44.5545	360	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	UJ	45.5446	5000	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.7129	2500	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.8119	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.8119	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.6139	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.7723	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	2400		15.8416	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.8812	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.8713	120	ug/Kg

J - Estimated
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MDL = Method Detection Limit
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ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.8911	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	UJ	14.8515	250	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	UJ	10.8911	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.3267	120	ug/Kg
SSJ1SJ301	J1SJ301_A	MIS	8/27/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.8515	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW6850	PERCHLORATE	0.34	J	0.0744	0.79	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	34000		60	480	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	3700		16	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1SJ301	J1SJ301_AR1	MIS	8/27/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW6850	PERCHLORATE	0.31	J	0.0747	0.8	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.5248	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.8416	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.7228	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	TETRYL	ND	U	18.8119	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	24000		44.5545	360	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	45.5446	4900	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.7129	2500	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.8119	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.8119	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.6139	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.7723	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	2700		15.8416	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.8812	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.8713	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.8911	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.8515	250	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.8911	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.3267	120	ug/Kg
SSJ1SJ301	J1SJ301_AR2	MIS	8/27/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.8515	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW6850	PERCHLORATE	0.31	J	0.075	0.8	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.5631	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.1845	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.6796	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.5631	240	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.6796	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.6214	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.6505	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.534	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.3301	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	37.8641	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.6408	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.4466	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.1553	2400	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	44.6602	4800	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.5631	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.1845	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.534	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.3786	120	ug/Kg
SSJ1SJ401	J1SJ401_A	MIS	8/26/2009	0	0.25	SW8330	TETRYL	ND	U	18.4466	120	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW6850	PERCHLORATE	0.32	J	0.0747	0.8	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.1698	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.0943	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	26.4151	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.1509	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	43.3962	4700	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	TETRYL	ND	U	17.9245	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	27.3585	2400	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	NITROBENZENE	ND	U	17.9245	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.3962	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	36.7925	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	21.6981	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.0943	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.3208	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.2642	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.3774	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.1509	240	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.3774	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	6.9811	110	ug/Kg
SSJ1SJ501	J1SJ501_A	MIS	8/26/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.1509	110	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW6850	PERCHLORATE	0.37	J	0.075	0.8	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	15	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.4	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	11	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	15	250	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	11	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	13	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	12	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	16	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	23	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.9	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	39	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	NITROBENZENE	ND	U	19	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	29	2500	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	46	5000	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	TETRYL	ND	U	19	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	15	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	28	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	PICRIC ACID	ND	U	16	120	ug/Kg
SSJ1SJ601	J1SJ601_A	MIS	8/26/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.6	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW6850	PERCHLORATE	0.36	J	0.0741	0.79	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.5248	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	TETRYL	ND	U	18.8119	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.8416	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.7228	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	ND	U	14.8515	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	45.5446	4900	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.7129	2500	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.8119	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.6139	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.8119	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.7723	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.8416	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.8812	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	140		12.8713	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.8911	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.8515	250	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.8911	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.3267	120	ug/Kg
SSJ1SK201	J1SK201_A	MIS	8/27/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.8515	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW6850	PERCHLORATE	0.32	J	0.0741	0.79	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	2-AMINO-4,6-DINITROTOLUENE	ND	U	7.3267	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	4-AMINO-2,6-DINITROTOLUENE	ND	U	14.8515	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	2,4-DIAMINO-6-NITROTOLUENE	ND	U	10.8911	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	2,6-DIAMINO-4-NITROTOLUENE	ND	U	14.8515	250	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	1,3-DINITROBENZENE	ND	U	10.8911	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	2,4-DINITROTOLUENE	ND	U	12.8713	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 4-5
J-1 Range Multi-Increment Sampling Results

Location	Field Sample Id	Sort Type	Log Date	Top Depth	Bot. Depth	Method	Analyte	Result Value	EPA Flags	MDL	RL	Units
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	2,6-DINITROTOLUENE	ND	U	11.8812	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	15.8416	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	2-NITROTOLUENE	ND	U	22.7723	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	3-NITROTOLUENE	ND	U	8.8119	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	4-NITROTOLUENE	ND	U	38.6139	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	NITROBENZENE	ND	U	18.8119	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	NITROGLYCERIN	ND	U	28.7129	2500	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	PENTAERYTHRITOL TETRANITRATE	ND	U	45.5446	5000	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	130		14.8515	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	TETRYL	ND	U	18.8119	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	2,4,6-TRINITROTOLUENE	ND	U	27.7228	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	PICRIC ACID	ND	U	15.8416	120	ug/Kg
SSJ1SK301	J1SK301_A	MIS	8/27/2009	0	0.25	SW8330	1,3,5-TRINITROBENZENE	ND	U	7.5248	120	ug/Kg

J - Estimated
UJ = Estimated Non Detect
ND = Non Detect
MDL = Method Detection Limit
RL = Reporting Limit

ug/Kg = microgram per Kilogram
mg/Kg = milligram per Kilogram

TABLE 6-1
Comparison of Maximum Concentrations in Groundwater to Screening Levels
Northern J-1 Range Plume

Analyte	Maximum Detected Concentration (µg/L)	Location of Maximum Concentration	Detection Frequency	Maximum Contaminant Level (µg/L)	EPA Chronic Health Advisory Level a (µg/L)	EPA Regional Screening Level for Tap Water (µg/L)	MCP GW-1 Standard (µg/L)
Acenaphthene	1.8	MW-187D	14/316	NA	NA	2200	20
Acetone	49	MW-166	296/773	NA	NA	22000	6300
Aldrin	0.044	MW-168M1	1/123	NA	0.2	**0.004**	0.5
C5-C8 Aliphatic Hydrocarbons	3200	MW-187D	2/2	NA	NA	NA	**300**
C9-C10 Aromatic Hydrocarbons	270	MW-187D	2/2	NA	NA	NA	**200**
C9-C12 Aliphatic Hydrocarbons	108	MW-187D	2/2	NA	NA	NA	700
C9-C18 Aliphatic Hydrocarbons	78	MW-187D	1/5	NA	NA	NA	700
Anthracene	0.4	MW-187D	8/316	NA	NA	11000	60
Benzene	1300	MW-187D	27/869	**5**	**100**	**0.41**	**5**
Benzo(a)anthracene	0.34	MW-188M1	1/316	**0.2** [b]	NA	**0.029**	1
Benzoic Acid	0.31	MW-188S	1/266	NA	NA	150000	NA
Benzyl Alcohol	7.3	MW-477M1	1/313	NA	NA	18000	NA
beta-BHC	0.0058	MW-168M1	1/123	NA	NA	0.037	NA
Bis(2-Ethylhexyl) Phthalate	14	MW-477M2	60/316	**6**	300	**4.8**	**6**
Bromodichloromethane	0.56	MW-430	1/869	80 [c]	100	**0.12**	3
Bromoform	0.59	MW-430	1/869	80 [c]	800	8.5	4
Bromomethane	4	MW-187D	3/869	NA	10	8.7	10
Carbon Disulfide	1	MW-477M1	14/869	NA	NA	1000	NA
Chloramben	0.31	MW-166M3	1/106	NA	100	550	NA
gamma-Chlordane	0.029	MW-166M3	1/123	2	10	NA	2
Chlorobenzene	4	MW-187D	10/869	100	NA	91	100
Chloroethane	47	MW-187D	53/869	NA	NA	21000	NA
Chloroform	4	MW-118M1	447/869	80 [c]	70	**0.19**	70
Chloromethane	75	MW-187D	61/869	NA	**30**	190	NA
Chrysene	0.42	MW-188M1	1/316	NA	NA	2.9	2
Dibenzofuran	0.51	MW-166M1	4/316	NA	NA	NA	NA
Dibromochloromethane	1.1	MW-430	7/869	80 [c]	60	**0.15**	2
1,4-Dichlorobenzene	0.2	MW-253M1	3/869	75	75	0.43	5
1,1-Dichloroethane	0.2	MW-187D	1/869	NA	NA	2.4	70
1,2-Dichloroethane	1	MW-187D	1/869	5	40	**0.15**	5
Dieldrin	0.032	MW-244S	3/123	NA	0.2	**0.0042**	0.1
Diethyl Phthalate	2.4	MW-244M1	5/316	NA	NA	29000	2000
Di-n-Butyl Phthalate	1.7	MW-187D	16/316	NA	NA	3700	NA
Di-n-Octylphthalate	0.8	MW-253M1	2/316	NA	NA	NA	NA
2,6-Dinitrotoluene	2.4	MW-326	22/1545	NA	5	**0.099**	NA
4-Amino-2,6-Dinitrotoluene	1.1	MW-191M2	6/1541	NA	NA	73	NA
2-Amino-4,6-Dinitrotoluene	0.8	MW-303	1/1541	NA	NA	73	NA
2,4-Diamino-6-Nitrotoluene	1.9	MW-168	8/1541	NA	NA	73	NA
Ethylbenzene	76	MW-187D	17/869	700	700	**1.5**	700
Fluoranthene	0.28	MW-188M1	1/316	NA	NA	1500	90
Fluorene	5.4	MW-187D	15/316	NA	NA	1500	30
2-Hexanone	8	MW-245	50/869	NA	NA	NA	NA
HMX	110	MW-191M2	202/1541	NA	400	1800	200
Methyl Ethyl Ketone	25	MW-192	243/643	NA	4000	7100	4000
Methyl Isobutyl Ketone	3	MW-192	21/869	NA	NA	2000	350
Methyl Tert-Butyl Ether	2.7	MW-188S	30/474	NA	NA	12	70
Methylene Chloride	0.4	MW-187D	1/869	5	500	4.8	5
2-Methylnaphthalene	20	MW-187D	16/316	NA	NA	150	**10**
2-Methylphenol	21	MW-477M1	3/316	NA	NA	1800	NA
4-Methylphenol	28	MW-477M1	5/316	NA	NA	180	NA

NA - Not Available

ug/L = milligrams per liter

TABLE 6-1
Comparison of Maximum Concentrations in Groundwater to Screening Levels
Northern J-1 Range Plume

Analyte	Maximum Detected Concentration (µg/L)	Location of Maximum Concentration	Detection Frequency	Maximum Contaminant Level (µg/L)	EPA Chronic Health Advisory Level a (µg/L)	EPA Regional Screening Level for Tap Water (µg/L)	MCP GW-1 Standard (µg/L)
Naphthalene	86	MW-187D	22/316	NA	100	**0.14**	140
Nitrobenzene	0.34	MW-06	2/1545	NA	NA	**0.12**	NA
N-Nitrosodiphenylamine	0.76	MW-187D	2/316	NA	NA	14	NA
2-Nitrotoluene	1.5	MW-401	3/1541	NA	NA	**0.31**	NA
3-Nitrotoluene	1.3	MW-349	3/1541	NA	NA	730	NA
Pentachlorophenol	0.13	MW-59M2	1/318	1	30	0.56	1
Perchlorate	66	MW-346	152/947	NA	15	**26**	**2**
Phenanthrene	3.7	MW-187D	14/316	NA	NA	NA	40
Phenol	5.3	MW-477M1	13/316	NA	2000	11000	1000
Picric Acid	3.5	MW-06	1/1535	NA	NA	NA	NA
Pyrene	0.42	MW-188M1	1/316	NA	NA	1100	80
RDX	58	MW-164	384/1539	NA	**2**	**0.61**	**1**
Tetrachloroethene	0.6	MW-126	3/869	5	10	**0.11**	5
Tetryl	0.71	MW-164M2	1/1541	NA	NA	150	NA
Toluene	320	MW-187D	55/869	1000	NA	2300	1000
1,2,4-Trichlorobenzene	0.4	MW-126	3/865	70	70	8.2	70
Trichloroethene	0.5	MW-168M1	7/869	5	300	1.7	5
1,3,5-Trinitrobenzene	0.66	MW-245	4/1541	NA	NA	1100	NA
2,4,6-Trinitrotoluene	47	MW-59	5/1541	NA	**2**	**2.2**	NA
Vinyl Chloride	0.9	MW-192	5/869	2	2	**0.016**	2
m,p-Xylene (Sum Of Isomers)	1.7	MW-187D	2/315	10000	NA	1400	10000
o-Xylene (1,2-Dimethylbenzene)	2.1	MW-187D	1/315	10000	NA	1400	10000
Xylenes, Total	150	MW-187D	19/869	10000	NA	200	10000
Inorganics (Total)							
Aluminum (Total)	5750	MW-168M1	34/135	NA	NA	37000	NA
Antimony (Total)	6.6	MW-253M1	3/140	**6**	**6**	15	**6**
Arsenic (Total)	5.3	MW-187D	4/135	10	**2**	**0.045**	10
Barium (Total)	52	MW-189S	63/135	2000	NA	7300	2000
Beryllium (Total)	1.1	MW-26	6/135	4	NA	73	4
Boron (Total)	121	MW-166M2	79/133	NA	1000	7300	NA
Cadmium (Total)	3.1	MW-26	3/135	5	5	18	5
Calcium (Total)	10000	MW-58S	135/135	NA	NA	NA	NA
Chloride	37700	MW-187D	126/126	NA	NA	NA	NA
Chromium (Total)	3.3	MW-168M1	8/135	100	NA	110	100
Cobalt (Total)	3.8	MW-168M3	15/135	NA	NA	11	NA
Copper (Total)	41.6	MW-168M2	15/135	1300	NA	1500	NA
Cyanide	55.3	MW-164M3	1/123	200	200	730	200
Iron (Total)	8080	MW-187D	45/135	NA	NA	26000	NA
Lead (Total)	3	MW-168M1	6/135	15	NA	NA	15
Magnesium (Total)	5070	MW-187D	135/135	NA	NA	NA	NA
Manganese (Total)	344	MW-126M1	122/135	NA	**300**	880	NA
Molybdenum (Total)	4.6	MW-187D	18/133	NA	40	180	NA
Nickel (Total)	7.8	MW-168M3	42/135	NA	100	730	100
Nitrogen, Nitrate-Nitrite	5200	MW-166M3	90/129	**1000** [d]	NA	58000	NA
Phosphorus, Total Po4	400	MW-168M1	52/129	NA	NA	NA	NA
Potassium (Total)	8660	MW-188S	110/135	NA	NA	NA	NA
Selenium (Total)	5.1	MW-126S	3/135	50	50	180	50
Silver (Total)	2	MW-187D	4/135	NA	100	180	100
Sodium (Total)	27100	MW-187D	133/135	NA	NA	NA	NA
Sulfate	9700	MW-187D	127/127	NA	NA	NA	NA

NA - Not Available

ug/L = milligrams per liter

TABLE 6-1
Comparison of Maximum Concentrations in Groundwater to Screening Levels
Northern J-1 Range Plume

Analyte	Maximum Detected Concentration (µg/L)	Location of Maximum Concentration	Detection Frequency	Maximum Contaminant Level (µg/L)	EPA Chronic Health Advisory Level a (µg/L)	EPA Regional Screening Level for Tap Water (µg/L)	MCP GW-1 Standard (µg/L)
Thallium (Total)	7.3	MW-58S	4/141	**2**	**0.5**	**2.4**	**2**
Tungsten	4	MW-164M2	4/4	NA	NA	NA	NA
Vanadium (Total)	8.2	MW-168M1	7/135	NA	NA	260	30
Zinc (Total)	237	MW-188S	58/135	NA	2000	11000	5000
Radionuclides							
Gross Alpha e	3.2	MW-168M1	4/88	15	15	NA	NA
Gross Beta e	7.1	MW-188S	56/56	15	15	NA	NA

(a) When applicable, the more conservative of the lifetime health advisories or 10^{-4} cancer risk levels was used.

(b) Benzo(a)pyrene (PAHs) value used as a surrogate.

(c) Total trihalomethanes value used as a surrogate.

(d) Nitrite value used as a surrogate.

(e) Units for the radionuclides are in picocuries per liter (pCi/L). The MCL and Health Advisory Level are based on alpha particles.

Highlighting indicates those criteria that have been exceeded and will be discussed further within the report

TABLE 6-2
Comparison of Maximum Concentrations in Groundwater to Screening Levels
Southern J-1 Range Plume

Analyte	Maximum Detected Concentration (µg/L)	Location of Maximum Concentration	Detection Frequency	Maximum Contaminant Level (µg/L)	EPA Chronic Health Advisory Level [a] (µg/L)	EPA Regional Screening Level for Tap Water (µg/L)	MCP GW-1 Standard (µg/L)
Acetone	20	MW-360	24/54	NA	NA	22000	6300
bis(2-ethylhexyl)phthalate	0.36	MW-131M1	2/21	6	300	4.8	6
Carbon disulfide	0.24	MW-398M1	3/61	NA	NA	1000	NA
Chlorobenzene	0.34	MW-360M2	2/61	100	NA	91	100
Chloroethane	2	MW-131	5/61	NA	NA	21000	NA
Chloroform	3	MW-131S	33/61	80 [b]	70	**0.19**	70
P,P'-DDT	0.017	MW-131S	1/9	NA	NA	0.2	0.3
2,6-Dinitrotoluene	0.41	DP-379	1/343	NA	5	37	NA
Ethylbenzene	0.6	MW-131	2/61	700	700	1.5	700
Heptachlor epoxide	0.0059	MW-131M2	1/9	0.2	0.4	0.0074	0.2
HMX	29	DP-384	23/343	NA	400	1800	200
Methyl ethyl ketone	24	MW-131	11/39	NA	4000	7100	4000
Methyl isobutyl ketone	18	MW-131	3/61	NA	NA	2000	350
Methyl tert-butyl ether	0.51	MW-360M1	1/39	NA	NA	12	70
4-Nitotoluene	0.33	MW-398	1/343	NA	NA	4.2	NA
Perchlorate	1.4	MW-403	3/300	NA	15	26	2
RDX	290	DP-384	38/343	NA	**2**	**0.61**	**1**
Toluene	0.24	MW-360M1	1/61	1000	NA	2300	1000
2,4,6-Trinitrotoluene	0.36	MW-360	1/343	NA	2	2.2	NA
Xylenes, total	2	MW-131	3/61	10000	NA	200	10000
Inorganics (Total)							
Aluminum, total	5120	MW-131M1	6/9	NA	NA	37000	NA
Arsenic, total	5	MW-131M2	2/9	10	**2**	**0.045**	10
Barium, total	23.6	MW-131M1	8/9	2000	NA	7300	2000
Beryllium, total	0.12	MW-131M2	1/9	4	NA	73	4
Boron, total	20.1	MW-131S	3/9	NA	1000	7300	NA
Calcium, total	9150	MW-131M2	9/9	NA	NA	NA	NA
Chloride	13100	MW-131S	9/9	NA	NA	NA	NA
Chromium, total	5.1	MW-131M1	2/9	100	NA	110	100
Cobalt, total	2.5	MW-131S	1/9	NA	NA	11	NA
Copper, total	11.2	MW-131M1	2/9	1300	NA	1500	NA
Iron, total	5790	MW-131M1	7/9	NA	NA	26000	NA
Lead, total	4.1	MW-131M1	1/9	15	NA	NA	15
Magnesium, total	3120	MW-131M2	9/9	NA	NA	NA	NA
Manganese, total	180	MW-131M2	9/9	NA	300	880	NA
Nickel, total	7.4	MW-131S	5/9	NA	100	730	100
Nitrogen, Nitrate-Nitrite	17	MW-131M1	1/9	1000	NA	58000	NA
Phosphorus, total	170	MW-131M2	6/9	NA	NA	NA	NA
Potassium, total	2650	MW-131M2	9/9	NA	NA	NA	NA
Selenium, total	3.7	MW-131M1	1/9	50	50	180	50
Sodium, total	9540	MW-131M2	9/9	NA	NA	NA	NA
Sulfate	14800	MW-131M2	9/9	NA	NA	NA	NA
Vanadium, total	12.7	MW-131M1	4/9	NA	NA	260	30
Zinc, total	25.6	MW-131M1	8/9	NA	2000	11000	5000
Radionuclides							
Gross Beta [c]	2	MW-131M2	8/8	15	15	NA	NA

(a) When applicable, the more conservative of the lifetime health advisory or 10^{-4} cancer risk levels was used.

(b) Total trihalomethanes value used as a surrogate.

(c) Units for the radionuclides are in picocuries per liter (pCi/L). The MCL and Health Advisory Level are based on alpha particles.

Highlighting indicates those criteria that have been exceeded and will be discussed further within the report

NA - Not Applicable

ug/L = milligrams per liter

TABLE 6-3
Comparison of Maximum Concentrations in Soil to Screening Levels
Firing Point Area (Rows 0 to 2, Columns H, I, J, and K)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (4) (mg/kg)	MADEP (5) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Organics										
Acetone	0.084	SS15147-A	5/10	0.026	Yes	6	6.3	0.11	4.4	NA
Benzo(a)Anthracene	0.056	SS15147-A	1/22	0.048	Yes	7	NA	0.037	**0.014**	2
Benzo(a)Pyrene	0.02	SS05PA	1/22	0.045	No	2	NA	0.20	**0.46**	2
Benzo(b)Fluoranthene	0.066	SS15147-A	4/22	0.057	No	7	NA	0.11	**0.047**	2
Benzo(k)Fluoranthene	0.053	SS15147-A	4/22	0.048	No	70	NA	0.11	0.46	1
Benzoic Acid	0.085	SS05AE	5/19	0.091	Yes	NA	NA	NA	33	NA
Bis(2-Ethylhexyl) Phthalate	0.039	SS05PB	4/22	0.071	Yes	200	NA	72	1.6	NA
Chrysene	0.08	SS15147-A	4/22	0.049	Yes	70	NA	3.4	1.4	2
P,P'-DDE	0.0037	CP05P	2/9	0.0015	No	3	NA	0.88	0.06	NA
P,P'-DDT	0.003	CP05A	2/9	0.0017	Yes	3	NA	0.53	0.087	NA
Di-n-Butyl Phthalate	0.068	SS05PA	1/22	0.055	Yes	NA	NA	151	11	NA
Endrin	0.0049	SS15147-A	1/9	0.0018	No	8	NA	0.19	0.23	NA
Fluoranthene	0.15	SS15147-A	4/22	0.067	Yes	1000	NA	108	210	4
HMX	0.52	SS15137-A	1/51	0.020	Yes	2	**0.34**	**0.32**	7.1	NA
MCPA	6.6	CP04D	1/8	2.59	No	NA	NA	**0.0014**	**0.0047**	NA
Methyl Ethyl Ketone	0.004	SS02830-A	2/7	0.0051	Yes	4	4	0.34	1.5	NA
PCB-1254	0.034	SS15147-A	1/9	0.015	No	2	NA	**0.010**	**0.0051**	NA
Pyrene	0.13	SS15147-A	5/22	0.051	Yes	1000	NA	19	150	4
RDX [3]	3.4	SS15137-A	2/51	0.083	Yes	**1**	**0.0017**	**0.00011**	**0.00036**	NA
Inorganics										
Aluminum	15600	MW-06	25/25	7578	Yes	NA	NA	54006	55000	10000
Antimony	1.7	SS05CK	6/23	0.68	Yes	20	NA	**0.27**	**0.66**	1
Arsenic	5.7	CP05A	23/25	2.9	Yes	20	NA	**0.0090**	**0.0013**	3.9
Barium	58.3	SS15147-A	25/25	14	Yes	1000	NA	120	300	16
Beryllium	0.38	J1 Polygon	20/25	0.22	Yes	100	NA	2.6	58	0.33
Boron	9.1	SS05A2	12/25	2.2	Yes	NA	NA	9.5	23	17
Cadmium	1.1	CP05A	10/25	0.18	Yes	2	NA	**0.40**	1.4	0.35
Calcium	2040	SS15147-A	25/25	257	Yes	NA	NA	NA	NA	180
Chromium, Total	46.2	SS15147-A	25/25	11	Yes	**30**	NA	**7.0**	NA	15
Cobalt	7.3	SS15147-A	25/25	2.7	Yes	NA	NA	132	**0.5**	2.9
Copper	29.7	SS15147-A	25/25	7.7	Yes	NA	NA	46	51.4	11
Iron	15500	CP05A	25/25	9119	Yes	NA	NA	**2422**	**640**	12000

NA - Not Available
SSL = soil screening level

ug/L = milligrams per liter

TABLE 6-3
Comparison of Maximum Concentrations in Soil to Screening Levels
Firing Point Area (Rows 0 to 2, Columns H, I, J, and K)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (4) (mg/kg)	MADEP (5) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Lead	17.7	CP05A	25/25	8.5	Yes	300	NA	**4.1**	NA	19
Magnesium	6600	SS15147-A	25/25	1378	Yes	NA	NA	NA	NA	1500
Manganese	291	SS05A1	25/25	94	Yes	NA	NA	**44**	**57**	110
Molybdenum	5.7	SS05PA	20/25	0.73	Yes	NA	NA	**0.18**	**3.7**	1.1
Nickel	26	SS15147-A	25/25	6.2	Yes	**20**	NA	292	48	6.9
Nitrogen, Nitrate-Nitrite	0.57	SS15147-A	10/10	0.20	Yes	NA	NA	NA	NA	NA
Phosphorus, Total Po4	338	SS15147-A	10/10	133	Yes	NA	NA	NA	NA	NA
Potassium	2000	SS15147-A	25/25	593	Yes	NA	NA	NA	NA	560
Selenium	1	CP05A	3/25	0.31	Yes	400	NA	2.8	**19**	0.5
Sodium	501	SS15147-A	3/25	65	Yes	NA	NA	NA	NA	160
Thallium	0.79	SSJ1DP1	1/25	0.27	Yes	8	NA	3.0	**NA**	0.6
Vanadium	24.1	SS05PB	25/25	15	Yes	600	NA	260	260	22
Zinc	28.3	CP05A	25/25	16	Yes	2500	NA	2202	680	26

(1) Non-detects were included at one-half the detection limit.

(2) The lower of the MMR Background value (AMEC 2001a; 2001b) or MADEP background (MADEP 2002).

(3) Elevated concentrations of RDX were excavated.

(4) MCP maximum allowable value for human contact

(5) MassDEP Leaching Based Soil Concentrations are not used as a screening criteria, but are included for comparison purposes only.

Shading indicates that the screening level was exceeded by the maximum detected concentration.

FOD = Frequency of detection.

MCP = Massachusetts Contigency Plan.

NA - Not Available
SSL = soil screening level

ug/L = milligrams per liter

TABLE 6-4
Comparison of Maximum Concentrations in Soil to Screening Levels
Firing Point Area (Rows 0 to 2, Columns L and M)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (3) (mg/kg)	MADEP (4) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Organics										
Acetone	0.096	SS175B	3/3	0.061	Yes	6	6.3	0.11	4.4	NA
Benzo(a)Anthracene	0.022	SSJ1DP1S	1/3	0.039	Yes	7	NA	0.037	**0.014**	2
Benzo(a)Pyrene	0.019	SSJ1DP1S	1/3	0.032	No	2	NA	0.20	**0.46**	2
Benzo(b)Fluoranthene	0.019	SS05CK	1/3	0.035	No	7	NA	0.11	0.047	2
Benzo(k)Fluoranthene	0.024	SSJ1DP1S	1/3	0.038	No	70	NA	0.11	0.46	1
Bis(2-Ethylhexyl) Phthalate	2.3	OG092500-02	1/3	0.81	Yes	200	NA	72	**1.6**	NA
Chrysene	0.022	SS02837-A	2/3	0.029	Yes	70	NA	3.4	1.4	2
P,P'-DDE	0.0049	MW-131	1/2	0.0025	No	3	NA	0.88	0.06	NA
P,P'-DDT	0.0023	MW-131	1/2	0.0012	Yes	3	NA	0.53	0.087	NA
Di-n-Octyl Phthalate	0.022	OG092500-02	1/3	0.044	Yes	NA	NA	0.48	NA	NA
Fluoranthene	0.051	SS05AF	2/3	0.044	Yes	1000	NA	108	210	4
Methyl Ethyl Ketone	0.009	SS02832-A	2/3	0.0060	Yes	4	4	0.34	1.5	NA
Pyrene	0.035	SSJ1DP1S	2/3	0.034	Yes	1000	NA	19	150	4
RDX	0.054	SS08526-A	1/25	0.0062	Yes	1	**0.0017**	**0.00011**	**0.00036**	NA
Toluene	0.002	J1200034	1/3	0.00074	Yes	30	32	0.27	0.0000078	NA
Xylenes, Total	0.002	SSJ1DP1S	0/1	0.00010	Yes	400	360	0.81	1.6	NA
Inorganics										
Aluminum	15000	SS02839-A	12/12	8748	Yes	NA	NA	54006	55000	10000
Antimony	0.94	SS05DA	4/12	0.42	Yes	20	NA	**0.27**	**0.66**	1
Arsenic	4.9	CP04G	8/12	2.6	Yes	20	NA	**0.0090**	**0.0013**	3.9
Barium	65.2	SS08526-A	12/12	17	Yes	1000	NA	120	300	16
Beryllium	0.41	SS05OA	12/12	0.24	Yes	100	NA	2.6	58	0.33
Boron	5.1	SS05EC	4/12	1.9	Yes	NA	NA	9.5	23	17
Cadmium	0.29	SS02833-A	3/12	0.061	Yes	2	NA	0.40	1.4	0.35
Calcium	2360	SS08526-A	12/12	362	Yes	NA	NA	NA	NA	180
Chromium, Total	47.4	SS08526-A	12/12	14	Yes	**30**	NA	**7.0**	NA	15
Cobalt	9.5	SS08526-A	12/12	3.8	Yes	NA	NA	132	**0.5**	2.9
Copper	102	SS03162-A	15/15	23	Yes	NA	NA	**46**	**51.4**	11
Iron	14500	MW-136	12/12	10213	Yes	NA	NA	**2422**	**640**	12000
Lead	19.8	SS08526-A	15/15	11	Yes	300	NA	**4.1**	NA	19
Magnesium	6550	SS08526-A	12/12	1667	Yes	NA	NA	NA	NA	1500
Manganese	170	SS05EA	12/12	91	Yes	NA	NA	**44**	**57**	110

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-4
Comparison of Maximum Concentrations in Soil to Screening Levels
Firing Point Area (Rows 0 to 2, Columns L and M)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (3) (mg/kg)	MADEP (4) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Molybdenum	0.61	CP05M	1/12	0.25	Yes	NA	NA	**0.18**	3.7	1.1
Nickel	20	SS08526-A	12/12	6.5	Yes	20	NA	292	48	6.9
Nitrogen, Nitrate-Nitrite	0.02	CP04B	2/3	0.012	Yes	NA	NA	NA	NA	NA
Phosphorus, Total Po4	92.1	SSJ1DP1S	3/3	80	Yes	NA	NA	NA	NA	NA
Potassium	2310	SS08526-A	11/12	707	Yes	NA	NA	NA	NA	560
Selenium	1.1	AM030801-01	4/12	0.56	Yes	400	NA	2.8	**19**	0.5
Silver	0.38	MW-131	2/12	0.14	Yes	100	NA	16	1.6	NA
Thallium	1.6	SS04M	4/12	0.58	Yes	8	NA	3.0	**NA**	0.6
Vanadium	27	SS08526-A	12/12	17	Yes	600	NA	260	260	22
Zinc	33.5	SS08526-A	12/12	20	Yes	2500	NA	2202	680	26

(1) Non-detects were included at one-half the detection limit.

(2) The lower of the MMR Background value (AMEC 2001a; 2001b) or MADEP background (MADEP 2002).

FOD = Frequency of detection.

(3) MCP maximum allowable value for human contact

MCP = Massachusetts Contigency Plan.

(4) MassDEP Leaching Based Soil Concentrations are not used as a screening criteria, but are included for comparison purposes only.

Shading indicates that the screening level was exceeded by the maximum detected concentration.

TABLE 6-5
Comparison of Maximum Concentrations in Soil to Screening Levels
Firing Point Area (Rows 3 to 6)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (6) (mg/kg)	MADEP (7) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Organics										
1,3-Diethyl-1,3-Diphenyl Urea	1.3	SS05AC	6/39	0.087	No	NA	NA	NA	NA	NA
Acenaphthylene	0.036	SSJ1RD019	2/42	0.036	No	1	1.2	0.068	NA	0.5
Acetone	0.28	J1 Polygon	21/24	0.065	Yes	6	6.3	**0.11**	4.4	NA
Anthracene	0.026	SS05AF	1/42	0.032	Yes	1000	NA	54	450	1
Benzo(a)Anthracene	0.28	SS05AF	4/42	0.049	Yes	7	NA	**0.037**	**0.014**	2
Benzo(a)Pyrene	0.22	SS05AF	4/42	0.047	No	2	NA	**0.20**	**0.46**	2
Benzo(b)Fluoranthene	0.73	SS05AF	4/42	0.084	No	7	NA	**0.11**	**0.047**	2
Benzo(g,h,i)Perylene	0.19	SS05AF	4/42	0.049	No	1000	NA	554	NA	1
Benzo(k)Fluoranthene	0.54	SS05AF	4/42	0.066	No	70	NA	**0.11**	**0.46**	1
Benzoic Acid	0.44	SS15226-A	16/39	0.094	Yes	NA	NA	NA	33	NA
Bis(2-Ethylhexyl) Phthalate	0.19	SS05TC	2/42	0.069	Yes	200	NA	72	1.6	NA
Bromoform	0.001	SS05AF	1/24	0.0016	Yes	0.1	0.007	0.0022	0.0023	NA
Carbazole	0.027	SS05AF	1/42	0.050	No	NA	NA	**0.012**	NA	NA
alpha-Chlordane	0.0054	SS05AB	7/21	0.0012	No	1	0.04	**0.00038**	0.033	NA
gamma-Chlordane	0.0064	SS05AD	3/21	0.0010	Yes	1	1.2	**0.000038**	0.033	NA
Chrysene	0.51	SS05AF	4/42	0.062	Yes	70	NA	3.4	1.4	2
P,P'-DDD	0.0032	SS05AE	1/21	0.00067	No	4	NA	0.28	0.086	NA
P,P'-DDE	0.013	SS05AD	12/21	0.0035	No	3	NA	0.88	0.06	NA
P,P'-DDT	0.0077	SS05AE	12/21	0.0029	Yes	3	NA	0.53	0.087	NA
Dibenz(a,h)Anthracene	0.068	SS05AF	2/42	0.049	No	0.7	NA	**0.038**	**0.016**	0.5
Diethyl Phthalate	0.018	SS05AD	1/42	0.032	Yes	10	10	13	13	NA
Di-n-Butyl Phthalate	0.9	SS05AD	6/42	0.070	Yes	NA	NA	151	11	NA
Endosulfan Sulfate	0.0022	SS05AF	1/21	0.00065	No	0.5 (3)	0.54	2.2	9.7	NA
Endrin Aldehyde	0.0047	CP05N	1/21	0.00071	No	8 (4)	NA	0.19	0.00043	NA
Endrin Ketone	0.0043	SS05AF	2/21	0.0010	No	8 (4)	NA	0.19	0.0087	NA
Fluoranthene	0.29	SS05AF	5/42	0.064	Yes	1000	NA	108	210	4
HMX	0.4	SS05AB	3/53	0.025	Yes	2	**0.34**	**0.32**	7.1	NA
Indeno(1,2,3-c,d)Pyrene	0.2	SS05AF	4/42	0.055	No	7	NA	0.32	**0.16**	1
MCPA	6.4	CP05B	1/22	2.6	No	NA	NA	**0.0014**	**0.0047**	NA
Methyl Ethyl Ketone	0.018	J1200034	17/21	0.0068	Yes	4	4	0.34	1.5	NA
Naphthalene	0.051	CP05N	3/42	0.036	Yes	4	4.5	**0.014**	**0.00056**	0.5
N-Nitrosodiphenylamine	0.085	SS05AD	2/42	0.071	Yes	NA	NA	**0.0078**	0.17	NA
Phenanthrene	0.049	SS05AF	3/42	0.034	Yes	10	11	48	NA	3
Pyrene	0.31	SS05AF	7/42	0.056	Yes	1000	NA	19	150	4
RDX [5]	3.6	SS05AD	5/53	0.13	Yes	**1**	**0.0017**	**0.00011**	**0.00036**	NA
Toluene	0.003	AM030801-01	7/24	0.0017	Yes	30	32	0.27	0.0000078	NA

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-5
Comparison of Maximum Concentrations in Soil to Screening Levels
Firing Point Area (Rows 3 to 6)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (6) (mg/kg)	MADEP (7) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Inorganics										
Aluminum	26100	SS05A	60/60	8406	Yes	NA	NA	54006	55000	10000
Antimony	1	SS05AE	17/60	0.41	Yes	20	NA	**0.27**	**0.66**	1
Arsenic	5.4	SS05AB	57/60	3.1	Yes	20	NA	**0.0090**	**0.0013**	3.9
Barium	66.9	SS05A	60/60	14	Yes	1000	NA	120	300	16
Beryllium	0.36	J1 Polygon	50/60	0.21	Yes	100	NA	2.6	58	0.33
Boron	7.9	SS05TC	20/59	1.7	Yes	NA	NA	9.5	23	17
Cadmium	5.9	SS05A	24/60	0.21	Yes	**2**	NA	**0.40**	**1.4**	0.35
Calcium	1500	SS05A	55/60	252	Yes	NA	NA	NA	NA	180
Chromium, Total	305	SS05A	60/60	15	Yes	**30**	NA	**7.0**	NA	15
Cobalt	12.4	SS05A	59/60	2.7	Yes	NA	NA	132	**0.5**	2.9
Copper	550	SSJ1RD019	65/66	35	Yes	NA	NA	**46**	**51.4**	11
Cyanide	2.2	SSJ1RD019	5/33	0.38	Yes	100	NA	**0.0011**	7.4	NA
Iron	36000	SS05A	60/60	9756	Yes	NA	NA	**2422**	**640**	12000
Lead	166	SSJ1RD019	63/63	18	Yes	300	NA	**4.1**	NA	19
Magnesium	2510	SS15230-A	60/60	1077	Yes	NA	NA	NA	NA	1500
Manganese	290	SS05A	60/60	75	Yes	NA	NA	**44**	**57**	110
Mercury	0.11	CP05B	6/60	0.016	No	20	NA	**0.020**	**NA**	0.1
Molybdenum	2.2	SS05AC	42/59	0.70	Yes	NA	NA	**0.18**	3.7	1.1
Nickel	355	SS05A	60/60	12	Yes	**20**	NA	**292**	**48**	6.9
Nitrogen, Nitrate-Nitrite	0.43	SS05CA	23/23	0.17	Yes	NA	NA	NA	NA	NA
Phosphorus, Total Po4	255	SS05AC	23/23	112	Yes	NA	NA	NA	NA	NA
Potassium	1140	SS05A	60/60	511	Yes	NA	NA	NA	NA	560
Selenium	6.8	SS05A	22/60	0.52	Yes	400	NA	**2.8**	**19**	0.5
Silver	1	SS05AB	7/58	0.17	Yes	100	NA	16	1.6	NA
Sodium	165	SS15230-A	3/60	40	Yes	NA	NA	NA	NA	160
Vanadium	38.9	SS05TA	60/60	17	Yes	600	NA	260	260	22
Zinc	238	SS05A	60/60	22	Yes	2500	NA	2202	680	26

(1) Non-detects were included at one-half the detection limit.

(2) The lower of the MMR Background value (AMEC 2001a; 2001b) or MADEP background (MADEP 2002).

(3) Endosulfan value used as a surrogate.

(4) Endrin value used as a surrogate.

(5) Elevated levels of RDX were excavated

(6) MCP maximum allowable value for human contact

(7) MassDEP Leaching Based Soil Concentrations are not used as a screening criteria, but are included for comparison purposes only.

Shading indicates that the screening level was exceeded by the maximum detected concentration.

FOD = Frequency of detection.

MCP = Massachusetts Contigency Plan.

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-6
Comparison of Maximum Concentrations in Soil to Screening Levels
Southern Flyover Area
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (3) (mg/kg)	MADEP (4) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Organics										
Dichloronaphthalene	0.012	SSJ1J15001	1/4	0.0063	No	NA	NA	NA	NA	NA
Trichloronaphthalene	0.13	SSJ1J15001	1/4	0.035	No	NA	NA	NA	NA	NA
Tetrachloronaphthalene	0.095	SSJ1J15001	1/4	0.028	No	NA	NA	NA	NA	NA
Pentachloronaphthalene	0.033	SSJ1J15001	1/4	0.014	No	NA	NA	NA	NA	NA
Acenaphthylene	0.045	SSJRANGED	2/39	0.041	No	1	1.2	0.068	NA	0.5
Acetone	0.11	SS04I	9/22	0.025	Yes	6	6.3	**0.11**	4.4	NA
Benzene	0.003	SS02810-A	3/23	0.0022	Yes	2	1.5	**0.00010**	**0.00023**	NA
Benzo(a)Anthracene	0.049	SSJ1K27001	2/39	0.043	Yes	7	NA	**0.037**	**0.014**	2
Benzo(a)Pyrene	0.035	SSJ1K27001	2/39	0.040	No	2	NA	0.20	**0.46**	2
Benzo(b)Fluoranthene	0.078	SSJ1K27001	2/39	0.049	No	7	NA	0.11	**0.047**	2
Benzo(g,h,i)Perylene	0.042	SS05EB	1/39	0.044	No	1000	NA	554	NA	1
Benzo(k)Fluoranthene	0.076	SSJ1K27001	2/39	0.049	No	70	NA	0.11	0.46	1
Benzoic Acid	0.12	SS05C	2/31	0.15	Yes	NA	NA	NA	33	NA
Bis(2-Ethylhexyl) Phthalate	0.058	SSJ1J24002	7/39	0.060	Yes	200	NA	72	1.6	NA
Bromomethane	0.008	SS02837-A	2/23	0.0027	Yes	0.5	0.05	**0.0018**	**0.0022**	NA
Chlorobenzene	0.002	SSJRANGED	1/23	0.0020	Yes	1	1.2	NA	0.068	NA
2-Chlorobenzoic Acid	0.46	SSJ1J24002	1/24	0.38	No	NA	NA	NA	NA	NA
Chloroform	0.001	CP04D	1/23	0.0019	Yes	0.4	0.35	**0.000036**	**0.000055**	NA
Chloromethane	0.003	AM030801-01	1/23	0.0022	Yes	NA	NA	**0.00040**	0.049	NA
Chrysene	0.11	SSJ1K27001	3/39	0.046	Yes	70	NA	3.4	1.4	2
Dimethyl Phthalate	0.34	SSJ1J15001	1/39	0.048	No	30	33	NA	NA	NA
Di-n-Butyl Phthalate	0.024	SSJ1J24002	2/39	0.042	Yes	NA	NA	151	11	NA
Ethylbenzene	0.002	SSJRANGED	1/23	0.0020	Yes	40	45	1.9	**0.82**	NA
Fluoranthene	0.055	SSJ1K27001	4/39	0.050	Yes	1000	NA	108	210	4
Methyl Ethyl Ketone	0.023	SS02837-A	10/23	0.0053	Yes	4	4	0.34	1.5	NA
Methylene Chloride	0.002	SS60MMWPTANKALL	1/23	0.0019	Yes	0.1	0.01	NA	**0.043**	NA
2-Methylnaphthalene	0.065	SS02837-A	2/39	0.048	Yes	0.7	0.36	0.072	0.9	0.5
Naphthalene	0.068	SS02837-A	6/39	0.045	Yes	4	4.5	**0.014**	**0.00056**	0.5
Perchlorate	0.0024	SS287-A	2/20	0.00089	Yes	0.1	**0.002**	0.0031	NA	NA
Phenanthrene	0.04	SSJ1RD019	3/39	0.039	Yes	10	11	48	NA	3
Phenol	0.062	SSJRANGEB	1/39	0.049	Yes	1	0.95	0.77	8.1	NA
Pyrene	0.11	SSJ1K27001	4/39	0.050	Yes	1000	NA	19	150	4
RDX	0.022	SSJ1I18001	2/64	0.014	Yes	1	**0.0017**	**0.00011**	**0.00036**	NA

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-6
Comparison of Maximum Concentrations in Soil to Screening Levels
Southern Flyover Area
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (3) (mg/kg)	MADEP (4) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Styrene	0.01	SSJRANGED	2/23	0.0024	No	3	2.9	2.3	210	NA
Tetrachloroethene	0.002	SSJRANGED	1/23	0.0020	Yes	1	1.2	**0.00044**	**0.000014**	NA
Tetryl	0.89	SSJRANGED	2/64	0.046	Yes	NA	NA	**0.064**	**0.65**	NA
Toluene	0.012	SS05OB	11/23	0.0032	Yes	30	32	0.27	0.0000078	NA
Trichloroethene	0.002	SSJRANGED	1/23	0.0020	Yes	0.3	0.28	**0.00050**	**9.4**	NA
Xylenes, Total	0.006	SSJRANGED	1/23	0.0029	Yes	400	360	0.81	1.6	NA
Inorganics										
Aluminum	21400	SSJ1RD018	65/65	11401	Yes	NA	NA	54006	55000	10000
Antimony	2.2	SS02837-A	10/65	0.43	Yes	20	NA	**0.27**	**0.66**	1
Arsenic	11.8	SSJ181MM	65/68	4.2	Yes	20	NA	**0.0090**	**0.0013**	3.9
Barium	37.6	SS02837-A	65/65	15	Yes	1000	NA	120	300	16
Beryllium	0.62	SSJ1RD018	64/68	0.29	Yes	100	NA	2.6	58	0.33
Boron	30.8	SSJ181MM	40/65	3.3	Yes	NA	NA	**9.5**	**23**	17
Cadmium	13.1	SSJRANGEB	29/65	0.46	Yes	**2**	NA	**0.40**	**1.4**	0.35
Calcium	957	SS05S	63/65	216	Yes	NA	NA	NA	NA	180
Chromium, Total	182	SS02837-A	65/65	16	Yes	**30**	NA	**7.0**	NA	15
Cobalt	5.8	SSJ1I30003	64/65	2.9	Yes	NA	NA	132	**0.5**	2.9
Copper	4990	SSJRANGED	63/70	155	Yes	NA	NA	**46**	**51.4**	11
Cyanide	1.9	SS287-A	3/20	0.49	Yes	100	NA	**0.0011**	7.4	NA
Iron	31400	SSJRANGEB	65/65	13202	Yes	NA	NA	**2422**	**640**	12000
Lead	222	SSJ1J24001	72/73	21	Yes	300	NA	**4.1**	NA	19
Magnesium	2930	SS60MMWPTANKALL	65/65	1304	Yes	NA	NA	NA	NA	1500
Manganese	354	SSJRANGEB	65/65	81	Yes	NA	NA	**44**	**57**	110
Mercury	0.15	SS287-A	15/65	0.023	No	20	NA	**0.020**	**NA**	0.1
Molybdenum	37.9	SS02837-A	42/65	1.2	Yes	NA	NA	**0.18**	**3.7**	1.1
Nickel	45.7	SS02837-A	65/65	7.0	Yes	**20**	NA	292	48	6.9
Nitrogen, Nitrate-Nitrite	0.19	SS05CA	12/12	0.092	Yes	NA	NA	NA	NA	NA
Phosphorus, Total Po4	249	CP05P	12/12	121	Yes	NA	NA	NA	NA	NA
Potassium	1850	SSJ1K27001	65/65	577	Yes	NA	NA	NA	NA	560
Selenium	3.9	SSJRANGED	24/65	0.63	Yes	400	NA	**2.8**	**19**	0.5
Silver	0.61	SSJRANGED	5/60	0.16	Yes	100	NA	16	1.6	NA
Sodium	488	SS287-A	4/65	54	Yes	NA	NA	NA	NA	160
Thallium	1.9	CP05E	9/65	0.38	Yes	8	NA	3.0	**NA**	0.6

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-6
Comparison of Maximum Concentrations in Soil to Screening Levels
Southern Flyover Area
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (3) (mg/kg)	MADEP (4) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Vanadium	42.5	SSJ1RD018	65/65	21	Yes	600	NA	260	260	22
Zinc	113	SSJ1K27001	63/65	24	Yes	2500	NA	2202	680	26

(1) Non-detects were included at one-half the detection limit.

(2) The lower of the MMR Background value (AMEC 2001a; 2001b) or MADEP background (MADEP 2002).

(3) MCP maximum allowable value for human contact

(4) MassDEP Leaching Based Soil Concentrations are not used as a screening criteria, but are included for comparison purposes only.

Shading indicates that the screening level was exceeded by the maximum detected concentration.

FOD = Frequency of detection.

MCP = Massachusetts Contigency Plan.

TABLE 6-7
Comparison of Maximum Concentrations in Soil to Screening Levels
Interberm Area - (Rows 30 to 33)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (3) (mg/kg)	MADEP (4) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Organics										
Benzene	0.002	SS02794-A	1/4	0.00065	Yes	2	1.5	**0.00010**	**0.00023**	NA
Bis(2-Ethylhexyl) Phthalate	0.31	SSJ1I30001	4/12	0.076	Yes	200	NA	72	1.6	NA
Fluoranthene	0.021	SS02794-A	1/12	0.035	Yes	1000	NA	108	210	4
HMX	0.014	SSJ1I30003	1/68	0.0076	Yes	2	0.34	0.32	7.1	NA
Methyl Ethyl Ketone	0.011	SS02794-A	1/4	0.0035	Yes	4	4	0.34	1.5	NA
Phenanthrene	0.053	SSJRANGEF	2/12	0.031	Yes	10	11	48	NA	3
Pyrene	0.023	SS02794-A	1/12	0.043	Yes	1000	NA	19	150	4
Toluene	0.002	J1200034	1/4	0.00062	Yes	30	32	0.27	0.0000078	NA
Inorganics										
Aluminum	17700	SS02830-A	34/34	9151	Yes	NA	NA	54006	55000	10000
Antimony	0.78	SSJ1K41001	8/34	0.32	Yes	20	NA	**0.27**	**0.66**	1
Arsenic	6	AM030801-01	33/34	3.6	Yes	20	NA	**0.0090**	**0.0013**	3.9
Barium	20.3	SS287-A	34/34	11	Yes	1000	NA	120	300	16
Beryllium	0.59	SSJ1I30003	34/34	0.33	Yes	100	NA	2.6	58	0.33
Boron	24.6	SS02794-A	22/34	3.7	Yes	NA	NA	**9.5**	**23**	17
Cadmium	17.6	SSJRANGEF	9/34	0.64	Yes	**2**	NA	**0.40**	**1.4**	0.35
Calcium	423	SSJRANGEF	27/34	113	Yes	NA	NA	NA	NA	180
Chromium, Total	20.3	SSJ1K27003	34/34	11	Yes	30	NA	**7.0**	NA	15
Cobalt	5.8	SSJ1I30003	34/34	3.7	Yes	NA	NA	132	**0.5**	2.9
Copper	535	SSJRANGEF	53/53	34	Yes	NA	NA	**46**	**51**	11
Cyanide	0.82	SSJ1RD013	1/8	0.31	Yes	100	NA	**0.0011**	7.4	NA
Iron	19300	SSJ1IAP003	34/34	11556	Yes	NA	NA	**2422**	**640**	12000
Lead	58.7	SSJ1RD012	47/47	10	Yes	300	NA	**4.1**	NA	19
Magnesium	2530	SSJ1I30003	34/34	1365	Yes	NA	NA	NA	NA	1500
Manganese	251	SS02793-A	34/34	94	Yes	NA	NA	**44**	**57**	110
Mercury	0.028	SSJ1I30003	6/34	0.012	No	20	NA	**0.020**	NA	0.1
Molybdenum	0.78	J1 Polygon	31/34	0.46	Yes	NA	NA	**0.18**	3.7	1.1
Nickel	9.7	SSJ1I30003	34/34	6	Yes	20	NA	292	48	6.9
Potassium	903	SSJ1RD017	34/34	464	Yes	NA	NA	NA	NA	560
Selenium	1	CP05A	9/34	0.35	Yes	400	NA	**2.8**	19	0.5
Sodium	51.4	SSJ1RD012	4/34	28	Yes	NA	NA	NA	NA	160
Thallium	0.94	J1 Polygon	1/34	0.35	Yes	8	NA	3.0	**NA**	0.6

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-7
Comparison of Maximum Concentrations in Soil to Screening Levels
Interberm Area - (Rows 30 to 33)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (3) (mg/kg)	MADEP (4) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Vanadium	28.2	SSJ1RD017	34/34	17	Yes	600	NA	260	260	22
Zinc	136	SSJ1K40002	34/34	23	Yes	2500	NA	2202	680	26

(1) Non-detects were included at one-half the detection limit.

(2) The lower of the MMR Background value (AMEC 2001a; 2001b) or MADEP background (MADEP 2002).

(3) MCP maximum allowable value for human contact

(4) MassDEP Leaching Based Soil Concentrations are not used as a screening criteria, but are included for comparison purposes only.

Shading indicates that the screening level was exceeded by the maximum detected concentration.

FOD = Frequency of detection.

MCP = Massachusetts Contigency Plan.

TABLE 6-8
Comparison of Maximum Concentrations in Soil to Screening Levels
Interberm Area (Rows 34 to 42)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (6) (mg/kg)	MADEP (7) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Organics										
1,2,3,4,6,7,8-HPCDD	0.000102	J1P-15	3/3	0.000058	No	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HPCDF	0.0000042	SSJ1K40BLP001	3/3	0.0000033	No	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HPCDF	0.0000005	SSJ1K40BLP001	1/3	0.00000027	No	NA	NA	NA	NA	NA
1,2,3,4,7,8-HXCDD	0.00000048	J1P-15	2/3	0.00000033	No	NA	NA	NA	NA	NA
1,2,3,4,7,8-HXCDF	0.0000016	SSJ1K40BLP001	3/3	0.00000080	No	NA	NA	NA	NA	NA
1,2,3,6,7,8-HXCDD	0.0000028	J1P-15	2/3	0.0000015	No	NA	NA	NA	NA	NA
1,2,3,7,8,9-HXCDD	0.0000011	J1P-15	2/3	0.00000073	No	NA	NA	NA	NA	NA
2,3,4,6,7,8-HXCDF	0.00000054	SSJ1K40BLP001	3/3	0.00000039	No	NA	NA	NA	NA	NA
2,3,7,8-TCDF	0.0000008	SSJ1K40BLP001	1/3	0.00000030	No	NA	NA	NA	NA	NA
OCDD	0.00521	J1P-15	3/3	0.0029	No	NA	NA	NA	NA	NA
OCDF	0.0000082	J1P-15	3/3	0.0000071	No	NA	NA	NA	NA	NA
2,3,7,8-TCDD TEQ	0.0000033	J1P-15	3/3	0.0000021	No	0.00002	NA	**0.0000005**	**0.00000015**	NA
C11-C22 Aromatic Hydrocarbons	34	SS05CF	2/43	2.5	No	1000	1258	NA	NA	NA
C9-C10 Aromatic Hydrocarbons	1.7	SS05CI	2/23	0.23	Yes	100	288	NA	NA	NA
C9-C12 Aliphatic Hydrocarbons	0.502	SS05CI	1/23	0.040	Yes	1000	NA	NA	NA	NA
1,3-Diethyl-1,3-Diphenyl Urea	0.54	SS05P1B	18/152	0.046	No	NA	NA	NA	NA	NA
Acenaphthylene	0.033	SS05CF	4/175	0.041	No	1	1.2	0.068	NA	0.5
Acetone	0.64	SS05EA	81/105	0.086	Yes	6	6.3	**0.11**	4.4	NA
Aldrin	0.0018	SS05BB	2/95	0.00024	Yes	0.04	NA	0.0098	**0.00084**	NA
Anthracene	0.74	SS05CF	4/175	0.045	Yes	1000	NA	54	450	1
Benzene	0.0085	J1 Polygon	5/107	0.0048	Yes	2	1.5	**0.00010**	**0.00023**	NA
Benzo(a)Anthracene	1.8	SS05CF	7/175	0.061	Yes	7	NA	**0.037**	**0.014**	2
Benzo(a)Pyrene	0.65	SS05CF	10/175	0.047	No	2	NA	**0.20**	**0.46**	2
Benzo(b)Fluoranthene	1.5	SS05CF	9/175	0.066	No	7	NA	**0.11**	**0.047**	2
Benzo(g,h,i)Perylene	0.19	SS05AF	7/175	0.049	No	1000	NA	554	NA	1
Benzo(k)Fluoranthene	1.2	SS05CF	9/175	0.062	No	70	NA	**0.11**	**0.46**	1
Benzoic Acid	0.48	SS05CF	31/162	0.11	Yes	NA	NA	NA	33	NA
Benzyl Butyl Phthalate	0.029	SSJ1G37002	1/175	0.046	No	NA	NA	491	0.67	NA
alpha-BHC	0.011	SS05BB	3/95	0.00043	No	**0.003** (3)	NA	**0.000062**	**0.000074**	NA
beta-BHC	0.053	SS05BB	5/95	0.0013	Yes	**0.003** (3)	NA	**0.00020**	**0.00026**	NA
delta-BHC	0.0026	SS05BB	3/95	0.00026	No	0.003 (3)	NA	NA	NA	NA
Bis(2-Chloroethyl) Ether	2.5	SS05FA3	1/175	0.051	No	**0.7**	**0.029**	NA	**0.0000027**	NA
Bis(2-Ethylhexyl) Phthalate	0.28	SSJ1RD016	44/175	0.061	Yes	200	NA	72	1.6	NA
Bromoform	0.003	SS05BE	18/105	0.0019	Yes	0.1	0.007	**0.0022**	**0.0023**	NA
Bromomethane	0.065	SS05K	20/105	0.0040	Yes	0.5	**0.05**	**0.0018**	**0.0022**	NA

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-8
Comparison of Maximum Concentrations in Soil to Screening Levels
Interberm Area (Rows 34 to 42)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (6) (mg/kg)	MADEP (7) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Carbazole	0.058	SS05CF	4/175	0.048	No	NA	NA	**0.012**	NA	NA
Carbon Disulfide	0.002	SS05K	1/105	0.0016	Yes	NA	NA	0.41	0.27	NA
gamma-Chlordane	0.0019	SS05CF	2/95	0.00024	Yes	1	1.2	**0.000038**	0.033	NA
Chloroform	0.008	SS05CC	3/105	0.0017	Yes	0.4	0.35	**0.000036**	**0.000055**	NA
Chloromethane	0.053	SS05K	7/105	0.0023	Yes	NA	NA	**0.00040**	**0.049**	NA
Chrysene	3	SS05CF	10/175	0.080	Yes	70	NA	3.4	**1.4**	2
1,4-Dichlorobenzene	0.0035	SSJ1K40BLP001	1/176	0.038	Yes	0.7	0.095	NA	**0.00046**	NA
Dalapon	0.14	SS05EB	1/94	0.059	No	NA	NA	NA	0.23	NA
P,P'-DDD	0.000401	SS02992-A	1/95	0.00041	No	4	NA	0.28	0.086	NA
P,P'-DDE	0.0031	SS05BB	4/95	0.00050	No	3	NA	0.88	0.06	NA
P,P'-DDT	0.0036	SS05AE	5/95	0.00086	Yes	3	NA	0.53	0.087	NA
Dibenz(a,h)Anthracene	0.1	SS05CF	4/175	0.048	No	0.7	NA	**0.038**	**0.016**	0.5
Diethyl Phthalate	0.04	MW-27	1/175	0.045	Yes	10	10	13	13	NA
Dimethyl Phthalate	0.084	SSJ1J40001	1/175	0.045	No	30	33	NA	NA	NA
Di-n-Butyl Phthalate	11	SS05CC	50/175	0.17	Yes	NA	NA	151	11	NA
Di-n-Octyl Phthalate	0.067	SS15152-A	2/175	0.054	Yes	NA	NA	0.48	NA	NA
2,4-Dinitrotoluene	0.55	CP05CP	3/252	0.024	No	0.7	**0.057**	**0.020**	**0.0002**	NA
2-Amino-4,6-Dinitrotoluene	0.14	SS05BA	1/238	0.011	Yes	NA	NA	**0.00038**	**0.029**	NA
alpha-Endosulfan	0.0017	SS05CF	2/95	0.00024	No	0.5 (4)	0.54	1.3	9.7	NA
beta-Endosulfan	0.0024	SS05CF	2/95	0.00045	No	0.5 (4)	0.54	1.3	9.7	NA
Endosulfan Sulfate	0.0086	SS05CF	2/95	0.00056	No	0.5 (4)	0.54	2.2	9.7	NA
Endrin	0.0023	SS05CF	2/95	0.00046	No	8	NA	0.19	0.23	NA
Endrin Aldehyde	0.012	SS05CF	5/95	0.00074	No	8 (5)	NA	0.19	0.00043	NA
Endrin Ketone	0.016	SS05CF	6/95	0.00093	No	8 (5)	NA	0.19	0.0087	NA
Fluoranthene	2.5	SS05CF	12/175	0.082	Yes	1000	NA	108	210	4
Heptachlor	0.013	SS05BB	5/96	0.00051	No	0.2	NA	0.021	**0.51**	NA
Heptachlor Epoxide	0.00535	SS02990-A	3/95	0.00030	Yes	0.09	NA	0.0061	**NA**	NA
2-Hexanone	0.025	J1 Polygon	2/105	0.0024	Yes	NA	NA	NA	NA	NA
HMX	0.06	SSJ1RD016	1/238	0.010	Yes	2	0.34	0.32	7.1	NA
Indeno(1,2,3-c,d)Pyrene	0.25	SS05CF	4/175	0.051	No	7	NA	0.32	**0.16**	1
Methoxychlor	0.018	SS05CF	2/95	0.0064	No	200	NA	4.0	0.022	NA
Methyl Ethyl Ketone	0.02	SS02809-A	52/97	0.0053	Yes	4	4	0.34	1.5	NA
4-Methyl-2-Pentanone	0.026	J1 Polygon	2/105	0.0021	Yes	0.4	0.35	NA	0.44	NA
2-Methylnaphthalene	0.027	SSJ1G36001	1/175	0.050	Yes	0.7	0.36	0.072	0.9	0.5
Naphthalene	0.11	SSJ1G36001	3/177	0.040	Yes	4	4.5	**0.014**	**0.00056**	0.5
2-Nitrodiphenylamine	0.15	SS05CC	2/152	0.045	No	NA	NA	NA	NA	NA

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-8
Comparison of Maximum Concentrations in Soil to Screening Levels
Interberm Area (Rows 34 to 42)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (6) (mg/kg)	MADEP (7) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
N-Nitrosodiphenylamine	0.88	SS05CC	10/175	0.059	Yes	NA	NA	**0.0078**	**0.17**	NA
PCB-1254	0.038	SS05CA	1/95	0.0044	No	2	NA	**0.010**	**0.0051**	NA
Pentachlorophenol	0.018	SS15143-A	1/179	0.041	Yes	3	**0.008**	**0.00043**	**NA**	NA
Perchlorate	0.0048	SS05CK	2/88	0.0010	Yes	0.1	**0.002**	**0.0031**	NA	NA
Phenanthrene	0.091	SS05CF	9/175	0.039	Yes	10	11	48	NA	3
Phenol	0.66	SS05CL	1/175	0.052	Yes	1	0.95	0.77	8.1	NA
Pyrene	4.1	SS05CF	12/175	0.10	Yes	1000	NA	19	150	4
Styrene	0.0012	J1 Polygon	2/105	0.0016	No	3	2.9	2.3	210	NA
Tetrachloroethene	0.0014	J1 Polygon	2/105	0.0016	Yes	1	1.2	**0.00044**	**0.000014**	NA
Tetryl	48	SS05CC	3/238	0.23	Yes	NA	NA	**0.064**	**0.65**	NA
Toluene	0.009	SS04H	23/107	0.0058	Yes	30	32	0.27	0.0000078	NA
1,2,4-Trichlorobenzene	0.0046	SSJ1K40BLP001	1/176	0.041	Yes	2	2.2	NA	0.013	NA
Trichloroethene	0.0029	J1 Polygon	2/105	0.0016	Yes	0.3	0.28	**0.00050**	**9.4**	NA
Inorganics										
Aluminum	25700	SS05EA	167/167	8666	Yes	NA	NA	54006	55000	10000
Antimony	8.3	SS05EB	55/167	0.59	Yes	20	NA	**0.27**	**0.66**	1
Arsenic	8	SS05EA	159/167	3.0	Yes	20	NA	**0.0090**	**0.0013**	3.9
Barium	456	J1 Polygon	167/167	17	Yes	1000	NA	**120**	**300**	16
Beryllium	0.51	SS05EA	139/167	0.22	Yes	100	NA	2.6	58	0.33
Boron	12.2	J1P-15	65/165	1.7	Yes	NA	NA	**9.5**	23	17
Cadmium	23.4	SSJ1J40001	82/175	0.34	Yes	**2**	NA	**0.40**	**1.4**	0.35
Calcium	3610	SS05C	160/167	183	Yes	NA	NA	NA	NA	180
Chromium, Total	229	SS05CD	167/167	16	Yes	**30**	NA	**7.0**	NA	15
Cobalt	17.9	SS05C	167/167	2.8	Yes	NA	NA	132	**0.5**	2.9
Copper	1630	SS05C	164/173	55	Yes	NA	NA	**46**	**51**	11
Cyanide	1.6	SS15231-A	3/101	0.22	Yes	100	NA	**0.0011**	7.4	NA
Iron	39700	CP05CP	167/167	10519	Yes	NA	NA	**2422**	**640**	12000
Lead	280	SS05EB	164/164	23	Yes	300	NA	**4.1**	NA	19
Magnesium	11900	SS05C	167/167	1180	Yes	NA	NA	NA	NA	1500
Manganese	408	CP05CP	167/167	75	Yes	NA	NA	**44**	**57**	110
Mercury	0.077	AM030801-01	20/167	0.020	No	20	NA	**0.020**	**NA**	0.1
Molybdenum	51.8	CP05CP	110/165	1.8	Yes	NA	NA	**0.18**	**3.7**	1.1
Nickel	326	SS05CD	166/167	14	Yes	**20**	NA	**292**	**48**	6.9
Nitrogen, Nitrate-Nitrite	8.1	SS05B	76/98	0.31	Yes	NA	NA	NA	NA	NA
Phosphorus, Total Po4	706	CP05K	98/98	101	Yes	NA	NA	NA	NA	NA

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-8
Comparison of Maximum Concentrations in Soil to Screening Levels
Interberm Area (Rows 34 to 42)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (6) (mg/kg)	MADEP (7) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Potassium	3260	SS05C	165/167	496	Yes	NA	NA	NA	NA	560
Selenium	1.9	SS15122-A	28/167	0.37	Yes	400	NA	2.8	**19**	0.5
Silver	5.2	SS05P1A	8/167	0.20	Yes	100	NA	16	**1.6**	NA
Sodium	813	SS05FA2	18/167	66	Yes	NA	NA	NA	NA	160
Thallium	2.2	MW-126	5/167	0.32	Yes	8	NA	3.0	**NA**	0.6
Titanium	1150	SS05C	1/1	1150	No	NA	NA	NA	NA	NA
Uranium-234 (units in pCI/g)	0.87	SS05EB	17/17	0.50	No	NA	NA	NA	NA	NA
Uranium-238 (units in pCI/g)	0.76	SS05AA	17/17	0.52	No	NA	NA	NA	NA	NA
Vanadium	48.4	SS05EA	167/167	16	Yes	600	NA	260	260	22
Zinc	249	CP05CP	165/167	21	Yes	2500	NA	2202	680	26

(1) Non-detects were included at one-half the detection limit.

(2) The lower of the MMR Background value (AMEC 2001a; 2001b) or MADEP background (MADEP 2002).

(3) gamma-HCH value used as a surrogate.

(4) Endosulfan value used as a surrogate.

(5) Endrin value used as a surrogate.

(6) MCP maximum allowable value for human contact

(7) MassDEP Leaching Based Soil Concentrations are not used as a screening criteria, but are included for comparison purposes only.

Shading indicates that the screening level was exceeded by the maximum detected concentration.

FOD = Frequency of detection.

mg/kg = Milligrams per kilogram.

MCP = Massachusetts Contigency Plan.

NA = Not available.

TABLE 6-9
Comparison of Maximum Concentrations in Soil to Screening Levels
Interberm Area (Rows 43 and 44)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (3) (mg/kg)	MADEP (4) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Organics										
Benzo(a)Pyrene	0.039	SSJ1L44BLP01	1/1	0.039	No	2	NA	0.20	**0.46**	2
Bis(2-Ethylhexyl) Phthalate	0.12	SS02793-A	1/1	0.12	Yes	200	NA	72	1.6	NA
Chrysene	0.029	SS05CK	1/1	0.029	Yes	70	NA	3.4	1.4	2
Inorganics										
Aluminum	8960	SSJ1L44BLP01	1/1	8960	Yes	NA	NA	54006	55000	10000
Arsenic	3.7	AM030801-01	1/1	3.7	Yes	20	NA	**0.0090**	**0.0013**	3.9
Barium	13.7	SSJ1L44BLP01	1/1	13.7	Yes	1000	NA	120	300	16
Beryllium	0.32	CP05D	1/1	0.32	Yes	100	NA	2.6	58	0.33
Boron	1.6	SS02839-A	1/1	1.6	Yes	NA	NA	9.5	23	17
Cadmium	0.36	SS02839-A	1/1	0.36	Yes	2	NA	0.40	1.4	0.35
Calcium	176	SSJ1DP1	1/1	176	Yes	NA	NA	NA	NA	180
Chromium, Total	11.1	SS04M	1/1	11.1	Yes	30	NA	**7.0**	NA	15
Cobalt	2	CP04B	1/1	2	Yes	NA	NA	132	**0.5**	2.9
Copper	6.4	SS04K	1/1	6.4	Yes	NA	NA	46	51	11
Iron	10700	SS04H	1/1	10700	Yes	NA	NA	**2422**	**640**	12000
Lead	10	SS05AC	1/1	10	Yes	300	NA	**4.1**	NA	19
Magnesium	1180	CP05N	1/1	1180	Yes	NA	NA	NA	NA	1500
Manganese	63.3	SSJ1L44BLP01	1/1	63.3	Yes	NA	NA	**44**	**57**	110
Mercury	0.02	J1 Polygon	1/1	0.02	No	20	NA	0.020	NA	0.1
Molybdenum	0.72	SS05PB	1/1	0.72	Yes	NA	NA	**0.18**	3.7	1.1
Nickel	5.7	SS02832-A	1/1	5.7	Yes	20	NA	292	48	6.9
Potassium	445	MW-06	1/1	445	Yes	NA	NA	NA	NA	560
Vanadium	16.6	SS02839-A	1/1	16.6	Yes	600	NA	260	260	22
Zinc	70.5	SSJ1L44BLP01	1/1	70.5	Yes	2500	NA	2202	680	26

(1) Non-detects were included at one-half the detection limit.

(2) The lower of the MMR Background value (AMEC 2001a; 2001b) or MADEP background (MADEP 2002).

(3) MCP maximum allowable value for human contact

Shading indicates that the screening level was exceeded by the maximum detected concentration.

FOD = Frequency of detection.

MCP = Massachusetts Contigency Plan.

(4) MassDEP Leaching Based Soil Concentrations are not used as a screening criteria, but are included for comparison purposes only.

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-10
Comparison of Maximum Concentrations in Soil to Screening Levels
Northern Flyover Area (Rows 45 to 64)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (3) (mg/kg)	MADEP (4) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Organics										
Dichloronaphthalene	0.078	SSJ1P26003	3/33	0.0090	No	NA	NA	NA	NA	NA
Trichloronaphthalene	1.8	SSJ1P26003	11/33	0.080	No	NA	NA	NA	NA	NA
Tetrachloronaphthalene	2.3	SSJ1P26003	8/33	0.099	No	NA	NA	NA	NA	NA
Pentachloronaphthalene	0.46	SSJ1P26003	6/33	0.031	No	NA	NA	NA	NA	NA
Hexachloronaphthalene	0.041	SSJ1P26003	1/33	0.0068	No	NA	NA	NA	NA	NA
Heptachloronaphthalene	0.016	SSJ1P26003	1/33	0.0059	No	NA	NA	NA	NA	NA
Octachloronaphthalene	0.028	SSJ1IAP001	1/33	0.0064	No	NA	NA	NA	NA	NA
Acetone	0.41	MW-126	2/6	0.080	Yes	6	6.3	**0.11**	4.4	NA
Benzene	0.003	SS02810-A	3/6	0.0025	Yes	2	1.5	**0.00010**	**0.00023**	NA
Benzoic Acid	0.48	SS05CF	4/31	0.16	Yes	NA	NA	NA	33	NA
Bis(2-Ethylhexyl) Phthalate	0.061	SS02809-A	7/32	0.056	Yes	200	NA	72	1.6	NA
Bromomethane	0.013	SS02813-A	4/6	0.0048	Yes	0.5	0.05	**0.0018**	**0.0022**	NA
Carbon Disulfide	0.003	MW-126	1/6	0.0019	Yes	NA	NA	0.41	0.27	NA
Chloromethane	0.001	SS02813-A	2/6	0.0016	Yes	NA	NA	**0.00040**	0.049	NA
Chrysene	0.023	SS05P	2/32	0.042	Yes	70	NA	3.4	1.4	2
P,P'-DDE	0.0022	MW-06	1/2	0.0012	No	3	NA	0.88	0.06	NA
P,P'-DDT	0.003	CP05A	1/2	0.0016	Yes	3	NA	0.53	0.087	NA
Dimethyl Phthalate	0.61	SSJ1P26007	1/32	0.062	No	30	33	NA	NA	NA
Di-n-Butyl Phthalate	0.039	SSJ1P26007	1/32	0.039	Yes	NA	NA	151	11	NA
Fluoranthene	0.024	SS05PB	2/32	0.052	Yes	1000	NA	108	210	4
Methyl Ethyl Ketone	0.03	MW-126	5/6	0.015	Yes	4	4	0.34	1.5	NA
Naphthalene	0.04	SSJ1P26007	5/32	0.040	Yes	4	4.5	**0.014**	**0.00056**	0.5
4-Nitrotoluene	0.013	SS15112-A	1/80	0.011	Yes	NA	NA	0.026	**0.0034**	NA
Phenanthrene	0.023	SS02809-A	2/32	0.037	Yes	10	11	48	NA	3
Phenol	0.083	SSJ1P26007	2/32	0.044	Yes	1	0.95	0.77	8.1	NA
Pyrene	0.032	SSA09230201	5/32	0.059	Yes	1000	NA	19	150	4
RDX	0.042	SS15112-A	2/80	0.01	Yes	1	**0.0017**	**0.00011**	**0.00036**	NA
Toluene	0.003	AM030801-01	5/6	0.0028	Yes	30	32	0.27	0.0000078	NA
Inorganics										
Aluminum	30900	MW-126	42/42	12009	Yes	NA	NA	54006	55000	10000
Antimony	0.69	SS08526-A	2/42	0.34	Yes	20	NA	**0.27**	**0.66**	1
Arsenic	9.8	MW-126	42/42	4.1	Yes	20	NA	**0.0090**	**0.0013**	3.9
Barium	32.6	MW-126	42/42	14	Yes	1000	NA	120	300	16

NA = Not Available

SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-10
Comparison of Maximum Concentrations in Soil to Screening Levels
Northern Flyover Area (Rows 45 to 64)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (3) (mg/kg)	MADEP (4) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Beryllium	0.71	MW-126	34/42	0.25	Yes	100	NA	2.6	58	0.33
Boron	7.5	SS05EB	21/40	2.2	Yes	NA	NA	9.5	23	17
Cadmium	19.1	SSJ1P26005	19/45	1.4	Yes	**2**	NA	**0.40**	**1.4**	0.35
Calcium	543	SSJ1K56002	42/42	190	Yes	NA	NA	NA	NA	180
Chromium, Total	53.2	SSJ1P26007	42/42	15	Yes	**30**	NA	**7.0**	NA	15
Cobalt	8.4	MW-126	42/42	2.9	Yes	NA	NA	132	**0.5**	2.9
Copper	913	SSJ1P26007	59/59	43	Yes	NA	NA	**46**	**51.4**	11
Cyanide	3.4	SSJ1P26007	5/18	0.81	Yes	100	NA	**0.0011**	7.4	NA
Iron	30100	MW-126	42/42	13091	Yes	NA	NA	**2422**	**640**	12000
Lead	113	SSJ1P26006	48/48	16	Yes	300	NA	**4.1**	NA	19
Magnesium	3960	MW-126	42/42	1242	Yes	NA	NA	NA	NA	1500
Manganese	154	MW-126	42/42	69	Yes	NA	NA	**44**	**57**	110
Mercury	0.11	CP05B	18/42	0.031	No	20	NA	**0.020**	**NA**	0.1
Molybdenum	4.1	SSJ1P26007	27/40	0.59	Yes	NA	NA	**0.18**	**3.7**	1.1
Nickel	17.9	MW-126	41/42	6.0	Yes	20	NA	292	48	6.9
Nitrogen, Nitrate-Nitrite	1.1	MW-06	3/4	0.30	Yes	NA	NA	NA	NA	NA
Phosphorus, Total Po4	149	MW-06	4/4	104	Yes	NA	NA	NA	NA	NA
Potassium	1170	MW-126	41/42	526	Yes	NA	NA	NA	NA	560
Selenium	1.8	SSJ1K56002	21/42	0.71	Yes	400	NA	2.8	**19**	0.5
Silver	0.46	SSJ1K56002	2/39	0.13	Yes	100	NA	16	1.6	NA
Thallium	2.2	MW-126	12/42	0.48	Yes	8	NA	3.0	**NA**	0.6
Vanadium	52.1	MW-126	42/42	23	Yes	600	NA	260	260	22
Zinc	151	SSJ1P26007	42/42	29	Yes	2500	NA	2202	680	26

(1) Non-detects were included at one-half the detection limit.

(2) The lower of the MMR Background value (AMEC 2001a; 2001b) or MADEP background (MADEP 2002).

FOD = Frequency of detection.

(3) MCP maximum allowable value for human contact

MCP = Massachusetts Contigency Plan.

(4) MassDEP Leaching Based Soil Concentrations are not used as a screening criteria, but are included for comparison purposes only.

Shading indicates that the screening level was exceeded by the maximum detected concentration.

NA = Not Available

SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-11
Comparison of Maximum Concentrations in Soil to Screening Levels
2,000 Meter Berm (Rows 65 to 72)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (6) (mg/kg)	MADEP (7) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Organics										
Chloronaphthalene	0.039	SSJ1IAP001	1/5	0.017	No	NA	NA	NA	NA	NA
Dichloronaphthalene	3.5	SSJ1IAP001	1/5	0.71	No	NA	NA	NA	NA	NA
Trichloronaphthalene	64	SSJ1IAP001	1/5	13	No	NA	NA	NA	NA	NA
Tetrachloronaphthalene	71	SSJ1IAP001	1/5	14	No	NA	NA	NA	NA	NA
Pentachloronaphthalene	28	SSJ1IAP001	2/5	5.6	No	NA	NA	NA	NA	NA
Hexachloronaphthalene	5.3	SSJ1IAP001	1/5	1.1	No	NA	NA	NA	NA	NA
Heptachloronaphthalene	0.57	SSJ1IAP001	1/5	0.12	No	NA	NA	NA	NA	NA
Octachloronaphthalene	0.028	SSJ1IAP001	1/4	0.010	No	NA	NA	NA	NA	NA
Acetone	0.99	SS175B	59/69	0.19	Yes	6	6.3	**0.11**	4.4	NA
Acifluorfen	0.031	SS04M	8/47	0.0042	No	NA	NA	**0.00011**	NA	NA
Benzene	0.003	SS02810-A	2/68	0.0015	Yes	2	1.5	**0.00010**	**0.00023**	NA
Benzo(b)Fluoranthene	0.033	SS175B	2/67	0.059	No	7	NA	0.11	0.047	2
Benzo(k)Fluoranthene	0.031	SS175B	2/67	0.059	No	70	NA	0.11	0.46	1
Benzoic Acid	1	SSJ1IAP001	16/59	0.13	Yes	NA	NA	NA	33	NA
Bentazon	0.19	CP04D	2/50	0.023	No	NA	NA	**0.037**	0.3	NA
alpha-BHC	0.0011	SS112A	1/59	0.00018	No	0.003 (3)	NA	**0.000062**	**0.000074**	NA
Bis(2-Ethylhexyl) Phthalate	1.1	SS04M	18/66	0.088	Yes	200	NA	72	1.6	NA
Chloramben	0.042	SS113A	3/51	0.0070	Yes	NA	NA	0.12	0.12	NA
alpha-Chlordane	0.0015	SS04M	1/59	0.00018	No	1	0.04	**0.00038**	0.033	NA
2-Chlorobenzoic Acid	1.8	SSJ1IAP001	1/16	0.65	No	NA	NA	NA	NA	NA
Chloroform	0.001	CP04D	3/68	0.0014	Yes	0.4	0.35	**0.000036**	**0.000055**	NA
Chrysene	0.027	SS175B	4/67	0.059	Yes	70	NA	3.4	1.4	2
3,5-Dichlorobenzoic Acid	0.14	CP04B	2/67	0.016	No	NA	NA	NA	NA	NA
Dalapon	0.16	SS112B	2/67	0.064	No	NA	NA	NA	0.23	NA
P,P'-DDE	0.0074	SS174A	10/59	0.0011	No	3	NA	0.88	0.06	NA
P,P'-DDT	0.016	SS175A	16/59	0.0020	Yes	3	NA	0.53	0.087	NA
Dicamba	0.007	SS113B	1/67	0.0014	No	NA	NA	0.26	0.28	NA
Dieldrin	0.004	SS175A	2/59	0.00041	Yes	0.05	NA	**0.00080**	**0.00009**	NA
Diethyl Phthalate	0.04	MW-27	1/67	0.059	Yes	10	10	13	13	NA
Dimethyl Phthalate	1	SSJ1IAP001	1/67	0.071	No	30	33	NA	NA	NA
Di-n-Butyl Phthalate	0.08	CP05N	4/67	0.060	Yes	NA	NA	151	11	NA
2,4-Dinitrotoluene	0.255	J1200182R	1/317	0.014	No	0.7	**0.057**	**0.020**	**0.0002**	NA
2,6-Dinitrotoluene	0.043	SS174B	1/317	0.019	Yes	NA	NA	**0.0088**	**0.034**	NA

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-11
Comparison of Maximum Concentrations in Soil to Screening Levels
2,000 Meter Berm (Rows 65 to 72)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (6) (mg/kg)	MADEP (7) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
2-Amino-4,6-Dinitrotoluene	0.3	SS113A	3/316	0.012	Yes	NA	NA	**0.00038**	**0.029**	NA
4-Amino-2,6-Dinitrotoluene	0.22	SS113A	2/316	0.011	Yes	NA	NA	**0.00038**	**0.029**	NA
Endrin	0.0041	SS175A	2/59	0.00044	No	8	NA	0.19	0.23	NA
Endrin Aldehyde	0.0049	SS119A	2/59	0.00042	No	8 (4)	NA	0.19	0.00043	NA
Fluoranthene	0.039	SS175B	2/67	0.062	Yes	1000	NA	108	210	4
Heptachlor	0.0013	SS112A	1/59	0.00018	No	0.2	NA	0.021	0.51	NA
Heptachlor Epoxide	0.0011	SS175A	1/59	0.00019	Yes	0.09	NA	0.0061	**NA**	NA
2-Hexanone	0.0411	SS02984-A	1/66	0.0028	Yes	NA	NA	NA	NA	NA
HMX	2	SS02893-A	10/316	0.034	Yes	2	**0.34**	**0.32**	7.1	NA
MCPA	35	SS112B	3/67	1.9	No	NA	NA	**0.0014**	**0.0047**	NA
MCPP	35	SS04H	5/66	3.1	No	NA	NA	**0.050**	**0.011**	NA
Methoxychlor	0.065	SS04L	1/59	0.0030	No	200	NA	4.0	0.022	NA
Methyl Ethyl Ketone	0.035	SS04M	44/68	0.0098	Yes	4	4	0.34	1.5	NA
2-Nitrotoluene	0.036	SS175A	1/316	0.016	Yes	NA	NA	**0.0022**	**0.00025**	NA
3-Nitrotoluene	0.03	SS174B	1/316	0.012	Yes	NA	NA	NA	0.6	NA
PCB-1260	0.25	SS175A	6/59	0.014	No	2	NA	**0.010**	**0.014**	NA
Pentachlorophenol	0.025	SS112B	1/73	0.049	Yes	3	**0.008**	**0.00043**	**NA**	NA
Perchlorate	0.0606	SS118A	2/10	0.0074	Yes	0.1	**0.002**	**0.0031**	NA	NA
Phenanthrene	0.018	SS02794-A	1/67	0.053	Yes	10	11	48	NA	3
Phenol	0.15	SSJ1IAP003	4/67	0.065	Yes	1	0.95	0.77	8.1	NA
Picloram	0.016	SS112B	13/45	0.0038	No	NA	NA	0.088	0.17	NA
Pyrene	0.031	SS05CK	2/67	0.056	Yes	1000	NA	19	150	4
RDX [5]	3.5	SS118A	16/316	0.055	Yes	**1**	**0.0017**	**0.00011**	**0.00036**	NA
Toluene	0.015	SS174A	38/69	0.0029	Yes	30	32	0.27	0.0000078	NA
Trichloroethene	0.003	CP04D	1/68	0.0014	Yes	0.3	0.28	**0.00050**	**9.4**	NA
2,4,5-T	0.024	CP04B	3/67	0.0017	No	NA	NA	0.49	0.11	NA
Inorganics										
Aluminum	16500	SS05OA	74/74	7866	Yes	NA	NA	54006	55000	10000
Antimony	1.2	CP05D	4/74	0.32	Yes	20	NA	**0.27**	**0.66**	1
Arsenic	5.9	SSJ1IAP003	67/74	2.6	Yes	20	NA	**0.0090**	**0.0013**	3.9
Barium	58.8	SS113A	74/74	12	Yes	1000	NA	120	300	16
Beryllium	1.4	SS04J	65/74	0.18	Yes	100	NA	2.6	58	0.33
Boron	9	SS118A	17/66	1.8	Yes	NA	NA	9.5	23	17

NA = Not Available
SSL = soil screening level

mg/Kg = milligram per Kilogram

TABLE 6-11
Comparison of Maximum Concentrations in Soil to Screening Levels
2,000 Meter Berm (Rows 65 to 72)
J-1 Range

Analyte	Maximum Detected Concentration (mg/kg)	Location of Maximum Concentration	Frequency of Detection	Average Concentration (1) (mg/kg)	Detected in Groundwater	MCP S-1/GW-1 Standard (6) (mg/kg)	MADEP (7) Leaching Based Soil Concentration (mg/kg)	MMR SSL (mg/kg)	EPA Risk-Based SSL (mg/kg)	Background Value (2) (mg/kg)
Cadmium	3.3	SSJ1IAP001	35/105	0.19	Yes	**2**	NA	**0.40**	**1.4**	0.35
Calcium	848	SSJ1IAP001	67/74	116	Yes	NA	NA	NA	NA	180
Chromium, Total	66.9	SSJ1IAP001	70/74	9.7	Yes	**30**	NA	**7.0**	NA	15
Cobalt	6.6	SS04J	71/74	2.1	Yes	NA	NA	132	**0.5**	2.9
Copper	1550	SSJ1IAP001	75/80	34	Yes	NA	NA	**46**	**51.4**	11
Iron	47100	SS04J	74/74	9772	Yes	NA	NA	**2422**	**640**	12000
Lead	62.7	SS113A	74/74	10	Yes	300	NA	**4.1**	NA	19
Magnesium	2300	SSJ1IAP003	74/74	841	Yes	NA	NA	NA	NA	1500
Manganese	1590	SS04J	74/74	75	Yes	NA	NA	**44**	**57**	110
Mercury	0.028	SSJ1I30003	3/74	0.025	No	20	NA	**0.020**	NA	0.1
Molybdenum	11.5	SS04J	29/66	0.81	Yes	NA	NA	**0.18**	**3.7**	1.1
Nickel	19.2	SSJ1IAP001	74/74	4.5	Yes	20	NA	292	48	6.9
Nitrogen, Nitrate-Nitrite	0.71	SS04M	44/69	0.063	Yes	NA	NA	NA	NA	NA
Phosphorus, Total Po4	147	SS174A	69/69	97	Yes	NA	NA	NA	NA	NA
Potassium	1750	SS04J	69/74	378	Yes	NA	NA	NA	NA	560
Selenium	1.6	SS04H	18/74	0.45	Yes	400	NA	2.8	**19**	0.5
Silver	0.59	SS112A	3/74	0.13	Yes	100	NA	16	1.6	NA
Sodium	357	SS119B	3/74	38	Yes	NA	NA	NA	NA	160
Thallium	5.2	SS04J	21/74	0.62	Yes	8	NA	**3.0**	**NA**	0.6
Vanadium	25.3	SSJ1IAP003	74/74	15	Yes	600	NA	260	260	22
Zinc	218	SS113B	74/74	26	Yes	2500	NA	2202	680	26

(1) Non-detects were included at one-half the detection limit.

(2) The lower of the MMR Background value (AMEC 2001a; 2001b) or MADEP background (MADEP 2002).

(3) gamma-HCH value used as a surrogate.

(4) Endrin value used as a surrogate.

(5) Elevated concentrations of RDX in the vicinity of the tank targets was excavated

(6) MCP maximum allowable value for human contact

(7) MassDEP Leaching Based Soil Concentrations are not used as a screening criteria, but are included for comparison purposes only.

Shading indicates that the screening level was exceeded by the maximum detected concentration.

FOD = Frequency of detection.

mg/kg = Milligrams per kilogram.

MCP = Massachusetts Contigency Plan.

NA = Not available.

TABLE 9-1
J-1 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.

TABLE 9-1
J-1 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

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TABLE 9-1
J-1 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

AUTHORITY/TYPE	PROVISION	SYNOPSIS
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.
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.

TABLE 9-1
J-1 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

AUTHORITY/TYPE	PROVISION	SYNOPSIS
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]	Resource Conservation and Recovery Act (RCRA) regulations at 40 CFR 261.24 identify the concentrations of contaminants that make a waste material a RCRA -characteristic hazardous waste for toxicity.
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 9-1
J-1 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).

TABLE 9-1
J-1 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

AUTHORITY/TYPE	PROVISION	SYNOPSIS
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.
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.

TABLE 9-1
J-1 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

AUTHORITY/TYPE	PROVISION	SYNOPSIS
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.
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.

TABLE 9-1
J-1 Range Remedial Investigation/Feasability Study
Summary of Regulatory Considerations*

AUTHORITY/TYPE	PROVISION	SYNOPSIS
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 10-1
Summary of J-1 Range North Feasibility Study Conceptual Designs

Location	Component Type	Easting Coordinate (NAD83 UTM m)	Northing Coordinate (NAD83 UTM m)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Flow Rate (gpm)
						2010 to 2109.5
Alternative 3						
J1NA4EW1	J-1 Range North Extraction Well	373030	4618785	-25	-70	125
Alternative 4						
J1NA5EW1	J-1 Range North Extraction Well	373100	4618534	10	-10	125
				-45	-80	
J1NA5EW2	J-1 Range North Extraction Well	373033	4618941	-25	-70	125
Alternative 5						
J1NA3EW1	J-1 Range North Extraction Well	372864	4619559	-50	-100	125
J1NA3EW2	J-1 Range North Extraction Well	373030	4618785	-25	-70	125
Alternative 6*						
J1NA6EW1	J-1 Range North Extraction Well	373157	4618452	-50	-80	125
J1NA6EW2	J-1 Range North Extraction Well	373117	4618452	10	-10	125
				-50	-80	
J1NA6EW3	J-1 Range North Extraction Well	373069	4618682	-20	-70	125
J1NA6EW4	J-1 Range North Extraction Well	373016	4618899	-20	-70	125
J1NA6EW5	J-1 Range North Extraction Well	372953	4619140	0	-40	125

Notes:
* = Alternative 6 was not simulated in the groundwater flow model; the coordinate and screen elevations are estimates.
There is no active treatment simulated from 2008.5 (the age of the plume shell) to 2010 (assume start of any active pumping).
bgs = below ground surface
ft msl = feet mean sea level
gpm = gallons per minute
NA = not applicable
N83 UTM m = North American Datum 83 Universal Transverse Mercator coordinates in meters

TABLE 10-2
Summary of Performance of J-1 Range North Groundwater Alternatives

Alt. #	Design Details		Perchlorate Remediation					RDX Remediation						Present Value Costs			
	Number of Extraction Wells	Total Extraction Rate (gpm)	Estimated Year Perchlorate Concentrations Decrease Below 15 µg/L	Estimated Year Perchlorate Concentrations Decrease Below 2 µg/L	Estimated Year Perchlorate Concentrations Decrease Below Nondetect	Perchlorate Mass Captured (Kg)[1]	EWs Shutoff[2]	Estimated Year RDX Concentrations Decrease Below 6 µg/L	Estimated Year RDX Concentrations Decrease Below 2 µg/L	Estimated Year RDX Concentrations Decrease Below 0.6 µg/L	Estimated Year RDX Concentrations Decrease Below Nondetect	RDX Mass Captured (Kg)[1]	EWs Shutoff[2]	Capital Cost	O&M	Site Closeout Report	Total Present Value
1	0	0	2024	2080	>2109	NA	NA	2027	2053	>2109	>2109	NA	NA	$0.075M	NA	$0.069M	$0.144M
2	0	0	2024	2080	>2109	NA	NA	2027	2053	>2109	>2109	NA	NA	$1.5M	$1.9M	$0.003M	$3.4M
3a	1	125	2018	2042	>2109	6.0	2029	2025	2038	2048	2057	2.1	2035	$3.0M	$9.4M	$0.024M	$12.4M
3b	1	125	2018	2043	>2109	6.0	2029	2025	2040	2051	2061	1.8	2030	$3.0M	$8.8M	$0.022M	$11.8M
4a	2	250	2023	2037	>2109	7.1	2024	2019	2027	2035	2048	2.5	2024	$4.2M	$8.8M	$0.032M	$13.0M
4b	2	250	2024	2045	>2109	5.6	2015/2023	2020	2031	2050	2096	2.2	2015/2023	$4.2M	$7.4M	$0.022M	$11.6M
5	2	250	2017	2035	2048	8.9	2029	2024	2037	2047	2059	2.3	2034	$4.0M	$10.6M	$0.025M	$14.6M
6	5	625	2017	2020	2035		2019	2014	2018	2020	2026		2019	$7.0M	$12.7M	$0.051M	$19.8M

Notes:
Alternative 3a = Extraction well is estimated to shut off when model-predicted influent concentrations decrease below the perchlorate and RDX MDL (2035).
Alternative 3b = Extraction well is estimated to shut off in 2030. Estimated years that concentrations decrease below specified levels are based on review of similar modeling simulations.
Alternative 4a = Extraction wells are estimated to shut off when model-predicted influent concentrations decrease below the perchlorate and RDX MCL (2024).
Alternative 4b = J1NA5EW2 is shut off in the groundwater model in 2015 and J1N5AEW1 is shut off in the groundwater model in 2023.
Alternative 6 = All performance metrics were estimated based on review of modeling results of similar modeling simulations.
[1]Mass captured from 2010 to estimated extraction well shutoff year; year when extraction well influent concentrations are predicted to fall below the method detection limit (RDX = 0.25 µg/L and perchlorate = 0.35 µg/L) except for Alternatives 4b, 5b, and 6.
[2]Year when extraction well influent concentrations are predicted to fall below the method detection limit (RDX = 0.25 µg/L and perchlorate = 0.35 µg/L) except for Alternatives 3b, 4b, and 6.
gpm = gallons per minute
Kgs- kilograms
M = million
MDL = method detection limit (0.35 µg/L for perchlorate, 0.25 µg/L for RDX)
NA = not applicable
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine
# = number

TABLE 10-3

Summary of J-1 Range South Feasibility Study Conceptual Designs

Location	Component Type	Easting Coordinate (NAD83 UTM m)	Northing Coordinate (NAD83 UTM m)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Flow Rate (gpm)		
						2010 to 2010.5	2010.5 to 2011.5	2011.5 to 2110
Alternatives 1 & 2								
J1SEW0001	J-1 Range South Extraction Well	4616909	374216	43	3	45	0	0
Alternative 3								
J1SEW0001	J-1 Range South Extraction Well	4616909	374216	43	3	45	45	45
Alternative 4								
J1SEW0001	J-1 Range South Extraction Well	4616909	374216	43	3	45	45	35
J1SA4EW1	J-1 Range South Extraction Well	4616487	374409.71	-10	-30	0	0	90
Alternative 5								
J1SEW0001	J-1 Range South Extraction Well	4616909	374216	43	3	45	45	45
J1SA5EW1	J-1 Range South Extraction Well	4616487	374409.71	-10	-30	0	0	120
J1SA5EW2	J-1 Range South Extraction Well	4616805	374310.69	15	-10	0	0	85

Notes:

bgs = below ground surface

ft msl = feet mean sea level

gpm = gallons per minute

N83 UTM m = North American Datum 83 Universal Transverse Mercator coordinates in meters

TABLE 10-4
Summary of Performance of J-1 Range South Groundwater Alternatives

Alternative	Design Details		RDX Remediation						Present Value Cost			
	Number of Extraction Wells	Total Extraction Rate (gpm)	Estimated Year RDX Concentrations Decrease Below 6 µg/L	Estimated Year RDX Concentrations Decrease Below 2 µg/L	Estimated Year RDX Concentrations Decrease Below 0.6 µg/L[1]	Estimated Year RDX Concentrations Decrease Below Nondetect[2]	EWs Shutoff[3]	RDX Mass Captured (Kg)[4]	Capital Cost	O&M Cost	Site Closeout Report	Total Present Value Cost
1	0	0	2019	2032	2050	2074	2010.5	NA	$0.038M	NA	$0.073M	$0.11M
2	0	0	2019	2032	2050	2074	2010.5	NA	$0.69M	$0.84M	$0.024M	$1.6M
3	1	45	2019	2032	2048	2071	2014.5	0.08	$0.58M	$2.0M	$0.025M	$2.6M
4	2	125	2016	2019	2024	2030	2018.0	0.58	$1.3M	$3.6M	$0.049M	$4.9M
5	3	250	2015	2018	2022	2028	2016.0	0.56	$2.1M	$3.5M	$0.051M	$5.7M

Notes:

[1]Based on review of the animations, the estimated time all concentrations are below 0.6 µg/L except for mass retained in low-hydraulic-conductivity units.

[2]Based on review of the animations, the estimated time all concentrations are below 0.25 µg/L except for mass retained in low-hydraulic-conductivity units.

[3]For Alternatives 1 and 2 the existing system will shutoff when a remedial decision has been made, for this FS that is estimated to be 2010.5. For Alternatives 3, 4, and 5, the estimated shutoff time for the existing extraction well is when all the plume upgradient of the extraction well is below 2 µg/L. The estimated shutoff time for the new extraction well(s) is when the influent RDX concentrations are predicted to fall below the method detection limit (0.25 µg/L).

[4]Model-predicted mass from the time of the remedy decision (2010.5) to estimated extraction well shutoff year; year when extraction well influent RDX concentrations are predicted to fall below the method detection limit. Mass removed prior to remedy decision is approximately 0.85 Kg; the sum of actual mass removal due to operation of the existing system from 2007.75 to 2010.0 (0.84 Kg) and the model-predicted mass removal of the system operation from 20010.0 to 2010.5 (estimated time of remedy decision) (0.006 Kg).

gpm = gallons per minute

Kg = kilograms

M = million

NA = not applicable

RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

µg/L = micrograms per liter