480547

LIMITED ENVIRONMENTAL INVESTIGATION

HELLER PROPERTY

FINAL REPORT

Prepared for

City and County of Denver
Asset Management
Annex I, 1445 Cleveland Place
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Prepared by

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ADMINISTRATIVE RECORD

EXECUTIVE SUMMARY

The Environmental Services Division of the Denver Department of Environmental Health (Environmental Services), in cooperation with the Environmental Protection Agency (EPA), has completed a limited environmental assessment of the Heller property. The purpose of the assessment was to evaluate current site conditions and to identify potential environmental regulatory issues associated with the site. This limited environmental assessment of the Heller property was funded through a Brownfields grant provided by the EPA. EPA contractors completed this assessment, with continuous input from Environmental Services.

Based on the results of the limited environmental investigation, Environmental Services believes this site is an acceptable risk from an environmental liability standpoint. This determination is based on the following points:

- Metals contamination of the soil and groundwater at the site has been addressed by the installation of a remediation cap.
- As long as the cap is not disturbed, Environmental Services believes the presence of the metals contamination is an acceptable environmental liability.
- If care is taken to avoid identified areas of concentrated metals-contaminated soils, a portion of the site can be used for stormwater detention.
- The site does not appear to be the source of groundwater contamination
- The site does not appear to contain buried drums or hazardous wastes

There are some significant environmental costs associated with the purchase of this property. These costs include:

- Because of the presence of the metals-contaminated soil, construction of the stormwater detention facility will cost an estimated $325,000 more than it would cost to construct a stormwater detention facility in an uncontaminated area.

- Approximately 11,000 cubic yards of petroleum-contaminated soil exist at the site. The cost to excavate and properly dispose of this material offsite is estimated to be $260,000. Even if the petroleum-contaminated soil is not disturbed during the construction of a stormwater detention facility, further investigation and possible remediation of this soil will be required.

- Because of the presence of buried meat-rendering waste at the site, the ability to use the site for stormwater detention or other improvements is limited. If stormwater detention is constructed at the site, it must be limited to the area designated.

INTRODUCTION

The City and County of Denver (City), in cooperation with Adams County is evaluating the acquisition of approximately 27 acres of undeveloped land adjacent to the Huron Pond Wildlife Refuge in Adams County. A site vicinity map is presented in Figure 1. The parcel of land is referred to as the Heller Property and is being considered for use as open space and stormwater detention. The Heller property is located near the ASARCO Superfund site and is known to have near-surface soils that are contaminated with metals. These near-surface contaminated soils have been remediated previously as part of the ASARCO Superfund site cleanup efforts. The metals-contaminated soils at the Heller property have been remediated by placing a one to two foot cap of clean soil over areas where contaminated near-surface soils exist. Attachment 1 presents the location and contaminant levels of near-surface soils capped by ASARCO.

To create stormwater detention, a portion of the site must be excavated to a depth of approximately two feet above the groundwater level. Based on information provided by ASARCO, the preliminary location and layout of the stormwater detention area was selected to avoid areas of known near-surface metals contamination. The preliminary location for the stormwater detention area is presented in Figure 2.

The Environmental Services Division of the Denver Department of Environmental Health (Environmental Services), in cooperation with the Environmental Protection Agency (EPA), has completed a limited environmental assessment of the Heller property. The purpose of the assessment was to evaluate current site conditions and to identify potential environmental regulatory issues associated with the site. This limited environmental assessment of the Heller property was funded through a Brownfields grant provided by the EPA. EPA Contractors completed this assessment, with continuous input from Environmental Services.

Method of Investigation

Groundwater conditions at the site were evaluated by collecting groundwater samples from six existing onsite groundwater monitoring wells. Surface and subsurface soils at the site were evaluated using a truck-mounted, hydraulically driven sample probe to collect soil samples. Figure 2 presents the locations where soil and groundwater samples were collected. A total of 272 soil samples were collected from 123 separate boreholes. In addition to collecting soil and groundwater samples, the site was screened for buried drums and debris by completing an electromagnetic survey.

Groundwater samples collected from the site were submitted to a laboratory and analyzed for the following:

- volatile organic compounds (VOCs)
- pesticides and polychlorinated biphenyls (PCBs)
- total petroleum hydrocarbons (TPH)

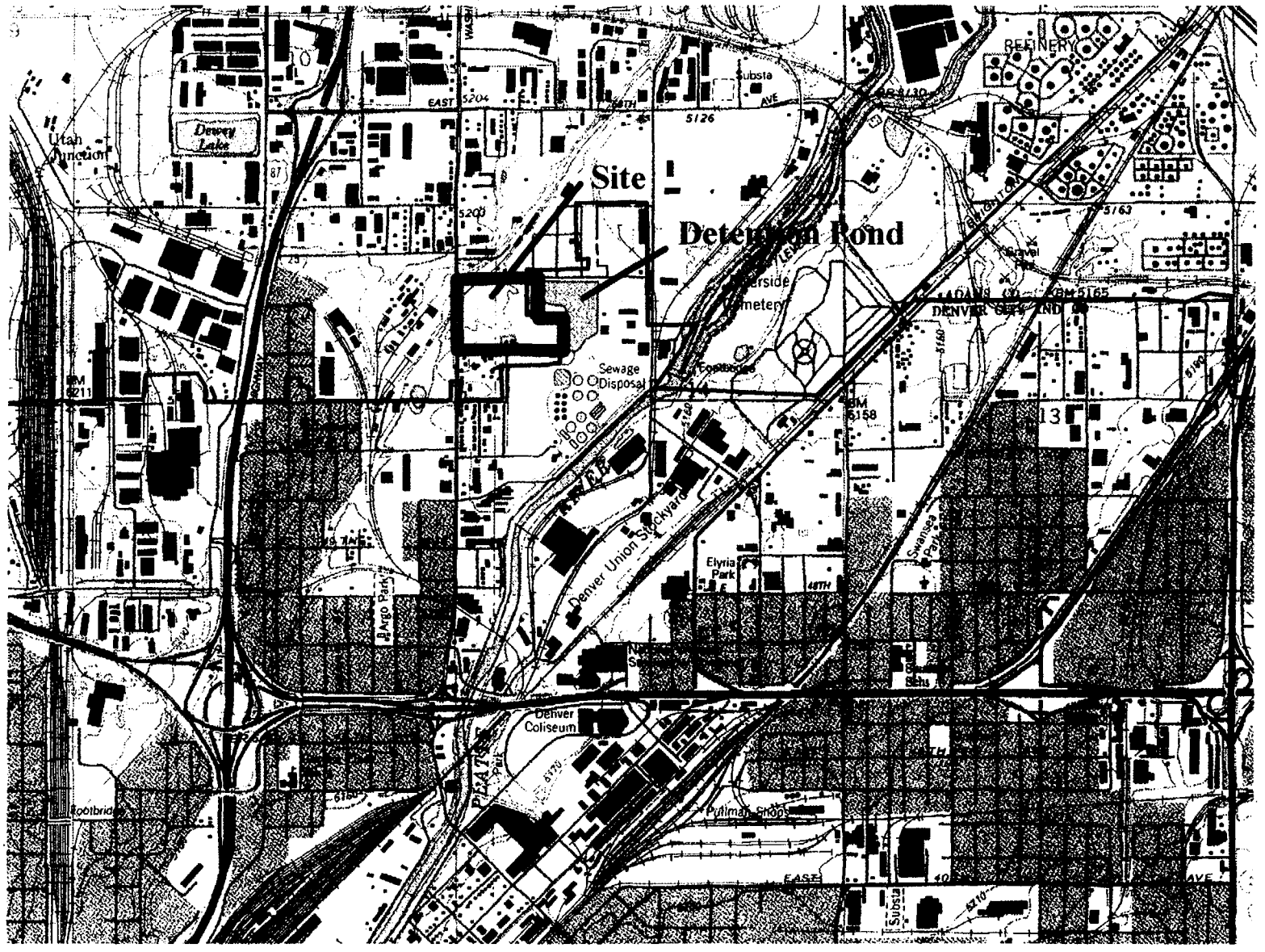

Figure 1-Site Location

2000 0 2000 4000 Feet

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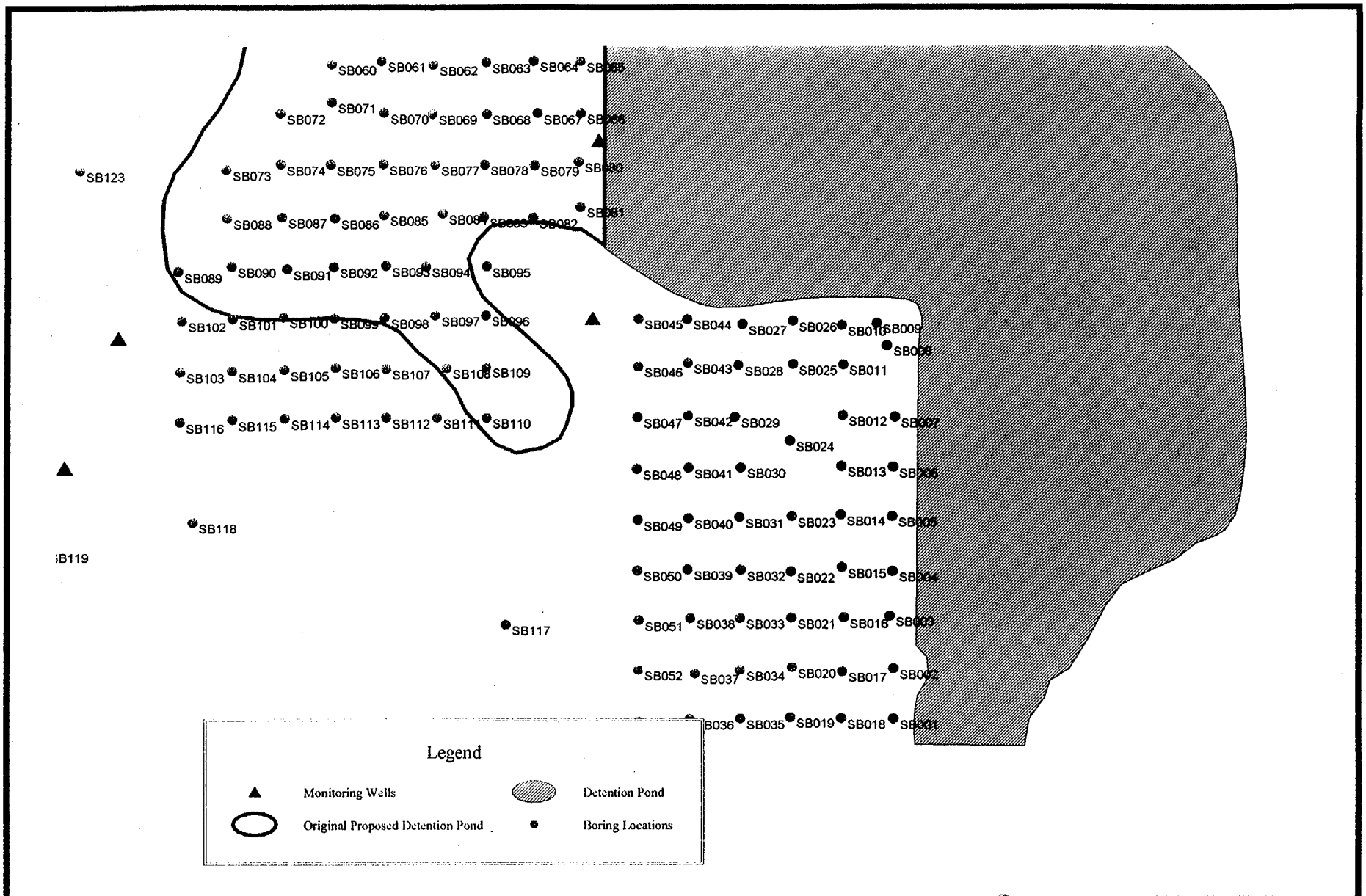

Figure 2-Borehole Locations

100 0 100 200 300 400 Feet

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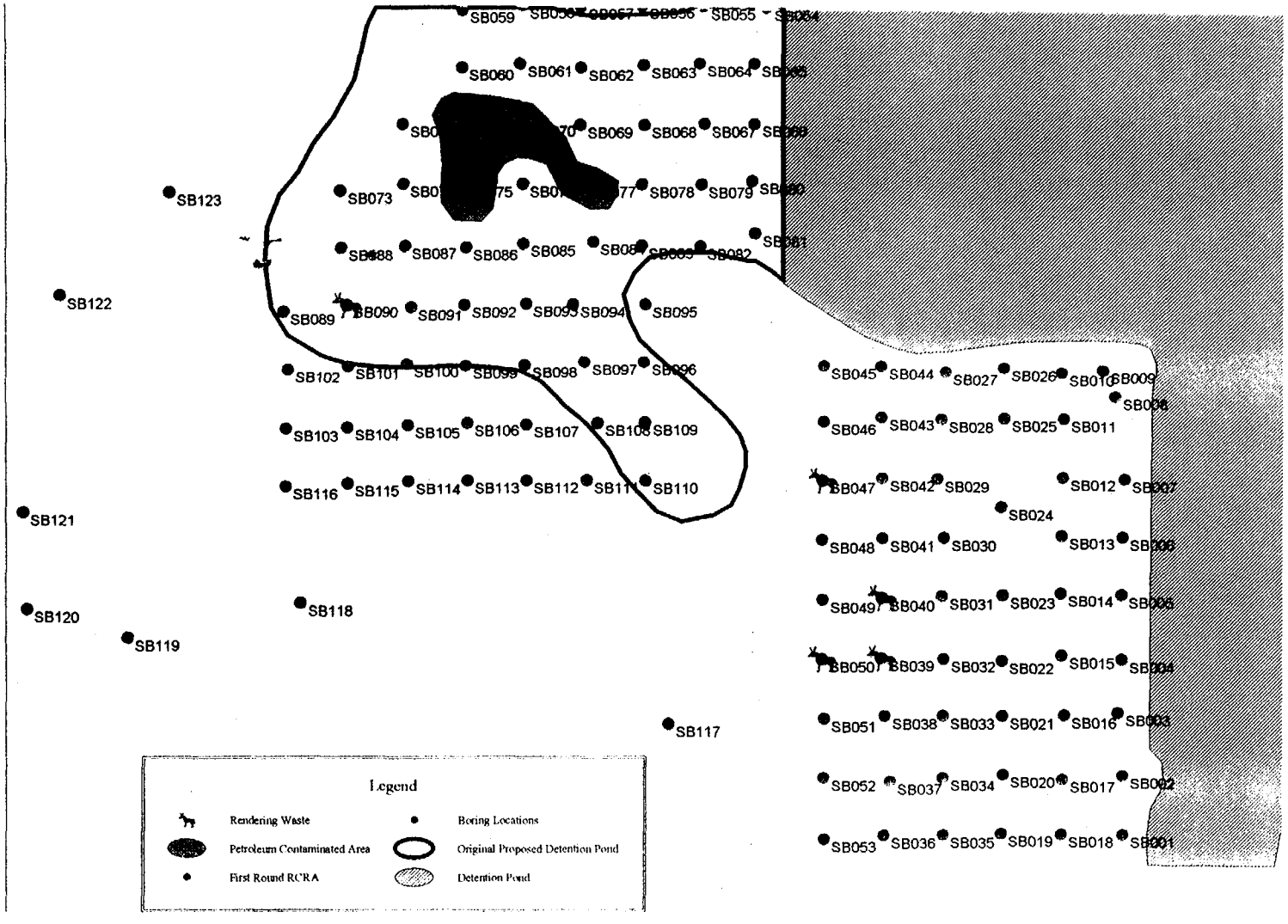

Figure 3 - Round One Samples

200 0 200 400 Feet

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Soil samples collected from the site were screened for metals contamination using an X-ray Fluorescence Spectrometer (XRF). Additionally, select soil samples were submitted to a laboratory and analyzed for the following:

- total metals
- toxicity characteristic leaching procedure (TCLP) for metals
- TPH

Fieldwork was completed during the fall/winter of 1998 and spring of 1999. A report detailing the investigation activities has been prepared by the EPA contractor, URS Operating Services, Inc. (URS), and is presented in Attachment 2.

SUBSURFACE INVESTIGATION RESULTS

The analysis of groundwater samples collected from the six onsite groundwater monitoring wells indicate that groundwater beneath the site is not impacted by VOCs, pesticides, PCBs, or TPH. Laboratory results of collected groundwater samples are presented in Attachment 3.

The results of the electromagnetic survey indicate that some construction debris such as concrete and wood is buried at the site. However, the geophysical survey did not identify any evidence of buried drums or metal tanks. It is important to note that if large pieces of concrete or other large debris are excavated during the construction of the detention basin, the concrete and debris must be properly disposed of at an offsite solid waste landfill.

The results of the soil sampling activities identified several environmental issues at the site. Field observations and laboratory analyses confirmed the presence of the following:

- Meat-rendering wastes
- Metals-contaminated soils
- Petroleum-contaminated soils

<u>Meat Rendering Wastes</u>

During the collection of soil samples, animal carcasses were encountered at depths ranging from 12 to 15 feet below ground surface. Environmental Services understands that meat-rendering activities have historically occurred at the site. Based on this information, Environmental Services believes these animal carcasses were buried at the site during the time period that the meat-rendering activities were occurring. The animal carcasses were observed at several different locations across the site. Figure 3 presents the locations where this waste material was encountered.

Based on conversations with representatives from the Colorado Department of Public Health and Environment (CDPHE), the rendering plant waste may remain onsite as long as it is not disturbed, and as long as stormwater detention is not created above the waste. If the material is disturbed or has a potential to be affected by proposed stormwater detention, it must be excavated and disposed of at an approved offsite landfill. Environmental Services estimates the excavation and proper disposal of this material would cost approximately $600,000. Because of the high cost to remove this waste, Environmental Services recommends that the layout of the proposed stormwater detention area be redesigned to avoid disturbing this waste material.

Metals Contaminated Soils

Based on field observations, results of the XRF screening, and results of laboratory analyses, metals-contaminated soils are present at varying depths throughout the entire site. Figure 3 presents the locations where metals-contaminated soil was encountered. The laboratory analyses and field XRF results are summarized in Table 1. Laboratory results of collected soil samples are presented in Attachment 4.

The results of the laboratory analyses indicate that the concentrations of metals in the soils at portions of the site are high enough to meet the regulatory definition of a characteristic hazardous waste. If any soils meeting the regulatory definition of a hazardous waste are disturbed, they must be properly disposed of offsite at an approved hazardous waste facility. The cost estimate to dispose of the characteristic hazardous waste soil that would be excavated during the construction of the proposed stormwater detention facility is $2.8 million. If the metals-contaminated soil is not disturbed, it can remain onsite as long as the ASARCO cap is not disturbed. Because of the high cost to properly dispose of hazardous waste, Environmental Services recommends that the layout of the proposed stormwater detention area be redesigned to avoid disturbing this material.

In addition to the metals-contaminated soils that meet the definition of a characteristic hazardous waste, the results of the soil sampling activities indicate that portions of the soils at the site are contaminated with metals at concentrations that meet the definition of a solid waste. These soils are classified as a solid waste and may be disposed of at an approved solid waste landfill, or possibly managed onsite. The cost estimate to dispose of the metals-contaminated soil that would be excavated during the construction of the proposed stormwater detention facility is $260,000.

To properly evaluate the feasibility and costs associated with onsite management of the metals-contaminated soils, a second round of soil sampling was required, which is discussed in a subsequent section of this report.

Poor Quality Source Document

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Table 1A - DEH Round One Laboratory Results

Sample ID	Arsenic Result	Non Detect	Cadmium Result	Non Detect	Lead Result	Non Detect	Units
SB001 2-4	13.7		11		172		mg/kg
SB003 3-4	17.7		20.1		384		mg/kg
SB004 3-5	12.3		0.33		13.8		mg/kg
SB005 4-6	4.5		0.4		15.7		mg/kg
SB006 6-9	10.7		16.9		52.6		mg/kg
SB007 3-5	14.6		3.3		3.1		mg/kg
SB008 2-3	30.5				5		mg/kg
SB009x 2-3	6.5		0.28		1.9		mg/kg
SB010 6-9	1.8		1.5		1.1		mg/kg
SB011 3-4	13.8		19.6		25.5		mg/kg
SB012 3-5	66.4		11.5		8.5		mg/kg
SB012 4-6	**109**				14		mg/kg
SB013 3-4	**71.4**				139		mg/kg
SB014 3-5	29.5		14.1		39.3		mg/kg
SB015 3-4	6.7		2.4		26.6		mg/kg
SB016 3-5	4		0.35		10.2		mg/kg
SB017 3-5	34.4				185		mg/kg
SB018 3-5	3.1		0.32		11.2		mg/kg
SB019 3-5	2.4		0.26		9		mg/kg
SB020 2-3	8.8		4.9		126		mg/kg
SB021 2-3	3.2		0.52		129		mg/kg
SB022 2-3	2.9		0.57		176		mg/kg
SB023 2-3	2.1		0.51		7.7		mg/kg
SB024 2-3	69.5				358		mg/kg
SB025 2-3	10.8				13.5		mg/kg
SB026 3-5	48.9		0.67		9.9		mg/kg
SB027 3-5	2.5		10.1		6.4		mg/kg
SB028 3-5	30.5				11.5		mg/kg
SB029 3-5	3		0.86		22.6		mg/kg
SB030 2-3	11.5		1.3		68.5		mg/kg
SB031 2-3	10.1		21.9		96		mg/kg
SB032 2-3	1.8		0.26		47.1		mg/kg
SB033 3-4	7.3		1.7		237		mg/kg
SB034 3-4	3.1		0.39		12.3		mg/kg
SB035 2-3	6		0.42		12.4		mg/kg
SB036 3-4	8.1		2.1		**468**		mg/kg
SB037 2-3	**110**						mg/kg
SB038 3-5	13.3		5.2		**421**		mg/kg
SB039 2-3	2.5		0.42		24.9		mg/kg
SB040 3-4	10.8		11.3		138		mg/kg
SB041 3-4	14.8		8.3		206		mg/kg
SB042 2-3	36.8		**72.8**		273		mg/kg
SB043 3-5	**121**		48.5		285		mg/kg
SB044 2-3	**116**		58.6		**444**		mg/kg
SB045 2-3	**156**				**473**		mg/kg
SB046 2-3	66.2		10.5		135		mg/kg
SB047 2-3	2.6		0.58		25.3		mg/kg
SB048 2-3	2		0.33		11.7		mg/kg
SB049 2-3	22.5		30.1		**468**		mg/kg
SB050 2-3	1.9		0.49		15.8		mg/kg
SB051 2-3	3.9		3.2		72.6		mg/kg

Table 1A - DEH Round One Laboratory Results

SB052 2-3	**119**		37.5				mg/kg
SB053 3-5		ND		ND	2.4		mg/kg
SB054 2-3	7		7.9		46.6		mg/kg
SB055 1-3	**131**		59.1		**700**		mg/kg
SB056 2-3	2.4		1.3		19.1		mg/kg
SB057 1-2	24.9		40.5		138		mg/kg
SB058 3-4	13		11.2		87.4		mg/kg
SB059 3-4	3.3		0.59		9.6		mg/kg
SB060 2-3	5.6		1.6		153		mg/kg
SB061 2-3	6.7		7		64.6		mg/kg
SB062 2-3	1.9		0.28		15.8		mg/kg
SB063 3-4	**104**				**494**		mg/kg
SB064 2-3	**120**		30.2		**604**		mg/kg
SB065 3-4	44.6		29.5		181		mg/kg
SB066 3-4	41.5		4.3		29.7		mg/kg
SB067 2-3	1			ND	13.3		mg/kg
SB068 2-3	2.2		0.29		8.1		mg/kg
SB069 3-6	3.1		0.37		87		mg/kg
SB070 3-5	3.5		0.56		107		mg/kg
SB071 2-3	5.8		5.4		65.7		mg/kg
SB072 3-4	25.7		25.4		352		mg/kg
SB073 3-4	**1030**						mg/kg
SB074 3-4	3.2		1.2		20.1		mg/kg
SB075 9-12	3.7		2.3		39.4		mg/kg
SB076 3-4	2		0.42		14.2		mg/kg
SB077 2-3	4.8		3.4		72.5		mg/kg
SB078 2-3	7.1		2.7		61.9		mg/kg
SB079 3-4	11.4		4		44.5		mg/kg
SB080 2-3	1.1		1		196		mg/kg
SB081 2-3	10.3		16.1		76.1		mg/kg
SB082 3-4		ND	0.33		10.8		mg/kg
SB083 2-3	4.8		0.28		9.6		mg/kg
SB084 3-4	6.9		3.2		44.7		mg/kg
SB085 3-4	3.7		2.1		39.9		mg/kg
SB086 2-3	6.7		6.1		46.1		mg/kg
SB089 3-4	**63.8**		35		153		mg/kg
SB090 2-3	2.2		0.25		40.5		mg/kg
SB091 2-3	**396**				**698**		mg/kg
SB092 2-3	23.4		12		**933**		mg/kg
SB093 3-4	3.5		2.7		24.9		mg/kg
SB094 3-4	1.6		0.23		7.4		mg/kg
SB095 3-4	2.1		0.34		16		mg/kg
SB096 2-3	3.3		0.42		41.1		mg/kg
SB097 2-3	3.2		0.49		27.4		mg/kg
SB098 2-3	1.3		0.26		14.2		mg/kg
SB099 2-3	5.1		0.74		13.3		mg/kg
SB100 2-3	**76.1**		48.8		**806**		mg/kg
SB101 2-3	4.3		0.64		13.8		mg/kg
SB102 2-3	14		31.4		48.2		mg/kg
SB103 2-3	7.1		4.1		50.4		mg/kg
SB104 2-3	3.2		2.1		10.9		mg/kg
SB105 3-4	9.3		1.3		6.7		mg/kg
SB106 2-3	**105**		24.2				mg/kg

Table 1A - DEH Round One Laboratory Results

SB107 3-4	13.9		10.7		272		mg/kg
SB108 2-3	3.1		0.34		17		mg/kg
SB109 2-3	2.2		0.26		12.8		mg/kg
SB110 2-3	3.8		0.34		11.8		mg/kg
SB111 2-3	3.3		0.78		18.7		mg/kg
SB112 3-4	3.4		2.5		34.4		mg/kg
SB113 3-4	2.7			ND	7.7		mg/kg
SB114 2-3	4.2		6.3		28.4		mg/kg
SB115 2-3	187				440		mg/kg
SB116 3-4	21.9		33.7		293		mg/kg
SB117 1-2	23.4		2.8		672		mg/kg
SB118 7-9		ND		ND	2		mg/kg
SB119 3-6		ND		ND	1.8		mg/kg
SB120 3-6	2.9		0.65		11.1		mg/kg
SB121 3-6							mg/kg
SB122 3-6	34.8				10.8		mg/kg
SB123 3-6	10.2		3.1		57		mg/kg
SB001 1-2		ND	0.13			ND	mg/L
SB001 12-15		ND		ND		ND	mg/L
SB002 2-3		ND		ND		ND	mg/L
SB003 1-2		ND		ND		ND	mg/L
SB003 9-12		ND		ND		ND	mg/L
SB004 2-3		ND		ND		ND	mg/L
SB004 7-9		ND		ND		ND	mg/L
SB005 2-3		ND	0.14			ND	mg/L
SB005 6-9		ND		ND		ND	mg/L
SB006 3-5		ND	0.76			ND	mg/L
SB007 2-3		ND	0.15			ND	mg/L
SB007 6-9		ND		ND		ND	mg/L
SB008 1-2	1.5					ND	mg/L
SB009 1-2		ND		ND		ND	mg/L
SB009 6-9		ND	0.2			ND	mg/L
SB010 1-2	0.76		0.89			ND	mg/L
SB011 1-2		ND	0.65			ND	mg/L
SB011 7-9		ND	0.11			ND	mg/L
SB012 1-2		ND	0.28			ND	mg/L
SB012 6-8		ND	0.11			ND	mg/L
SB013 6-8		ND	0.17			ND	mg/L
SB014 2-3		ND		ND		ND	mg/L
SB014 7-9		ND		ND		ND	mg/L
SB015 1-2		ND		ND		ND	mg/L
SB015 6-9		ND		ND		ND	mg/L
SB016 1-3		ND		ND		ND	mg/L
SB016 6-8		ND		ND		ND	mg/L
SB017 1-2		ND		ND		ND	mg/L
SB017 9-11		ND		ND		ND	mg/L
SB018 1-2		ND		ND		ND	mg/L
SB018 6-9		ND		ND		ND	mg/L
SB019 1-2		ND		ND		ND	mg/L
SB019 6-8		ND		ND		ND	mg/L
SB020 6-8		ND		ND		ND	mg/L
SB021 3-5		ND		ND		ND	mg/L
SB024 6-8		ND	0.79		1		mg/L

Table 1A - DEH Round One Laboratory Results

SB025 1-2		ND	0.92			ND	mg/L
SB025 3-6		ND		ND		ND	mg/L
SB027 1-2	2.8					ND	mg/L
SB028 1-2		ND				ND	mg/L
SB028 6-8		ND	0.21			ND	mg/L
SB029 1-2		ND			0.95		mg/L
SB029 6-8		ND	0.11		2.5		mg/L
SB031 3-5		ND		ND	0.78		mg/L
SB032 4-6		ND	0.51		0.91		mg/L
SB033 4-6		ND		ND		ND	mg/L
SB034 1-2		ND			1.2		mg/L
SB035 1-2		ND		ND		ND	mg/L
SB035 6-8		ND		ND		ND	mg/L
SB036 1-2		ND	0.84		1.6		mg/L
SB036 6-8		ND		ND		ND	mg/L
SB037 1-2		ND		ND		ND	mg/L
SB037 3-6		ND		ND		ND	mg/L
SB038 1-2		ND		ND		ND	mg/L
SB042 3-6		ND	0.62			ND	mg/L
SB043 1-2		ND	0.65			ND	mg/L
SB043 6-9		ND		ND		ND	mg/L
SB044 1-2	0.96		0.79			ND	mg/L
SB044 6-9		ND		ND		ND	mg/L
SB045 1-2	1					ND	mg/L
SB045 3-6		ND	0.18			ND	mg/L
SB046 1-2		ND	0.14			ND	mg/L
SB046 6-9		ND		ND		ND	mg/L
SB047 1-2		ND		ND		ND	mg/L
SB047 3-6		ND	0.21		0.93		mg/L
SB048 3-6		ND		ND		ND	mg/L
SB049 6-9		ND	0.29			ND	mg/L
SB050 6-9		ND	0.26			ND	mg/L
SB051 1-2		ND		ND		ND	mg/L
SB051 3-6		ND		ND			mg/L
SB052 1-2		ND	0.11		3.9		mg/L
SB052 3-6		ND	0.28		0.64		mg/L
SB053 1-2		ND		ND		ND	mg/L
SB053 6-9		ND		ND		ND	mg/L
SB060 4-6		ND	0.14			ND	mg/L
SB061 4-6		ND		ND		ND	mg/L
SB063 9-11		ND	0.65			ND	mg/L
SB064 6-8		ND	0.95			ND	mg/L
SB070 18-20		ND				ND	mg/L
SB070 9-12		ND		ND		ND	mg/L
SB071 3-6		ND		ND		ND	mg/L
SB072 12-15		ND	0.29			ND	mg/L
SB074 15-17		ND	0.12			ND	mg/L
SB075 18-21		ND		ND	0.55		mg/L
SB077 6-9		ND		ND		ND	mg/L
SB078 9-12		ND	0.1			ND	mg/L
SB079 9-12		ND				ND	mg/L
SB082 6-9		ND		ND		ND	mg/L
SB084 9-12		ND	0.3			ND	mg/L

Table 1A - DEH Round One Laboratory Results

SB085 9-12		ND	0.49			ND	mg/L
SB086 4-6		ND		ND		ND	mg/L
SB093 6-9		ND	0.89		2.2		mg/L
SB098 9-12	1.4					ND	mg/L
SB100 6-9		ND				ND	mg/L
SB101 3-6		ND				ND	mg/L
SB103 3-6	0.55		0.27			ND	mg/L
SB108 6-9		ND			1.6		mg/L
SB109 5-6	0.55				0.61		mg/L
SB111 3-6		ND		ND		ND	mg/L
SB112 9-11		ND		ND		ND	mg/L
SB115 6-9		ND	0.17			ND	mg/L
SB116 9-12		ND		ND		ND	mg/L
SB117 3-6		ND		ND		ND	mg/L
SB118 1-2		ND	0.44			ND	mg/L
SB119 1-2		ND				ND	mg/L
SB120 1-2		ND	0.85			ND	mg/L
SB121 1-2	1.5				0.63		mg/L
SB122 1-2		ND	0.55			ND	mg/L
SB123 1-2		ND	0.11			ND	mg/L

Table 1B - DEH Round One Laboratory Results

Sample ID	Sample Date	Parameter	Result	Non Detect	Units
SB001 2-4	11/2/98	Arsenic	13.7		mg/kg
SB003 3-4	11/2/98	Arsenic	17.7		mg/kg
SB004 3-5	11/2/98	Arsenic	12.3		mg/kg
SB005 4-6	11/2/98	Arsenic	4.5		mg/kg
SB006 6-9	11/2/98	Arsenic	10.7		mg/kg
SB007 3-5	11/2/98	Arsenic	14.6		mg/kg
SB008 2-3	11/2/98	Arsenic	30.5		mg/kg
SB009x 2-3	11/2/98	Arsenic	6.5		mg/kg
SB010 6-9	11/2/98	Arsenic	1.8		mg/kg
SB011 3-4	11/3/98	Arsenic	13.8		mg/kg
SB012 3-5	11/3/98	Arsenic	66.4		mg/kg
SB012 4-6	11/3/98	Arsenic	**109**		mg/kg
SB013 3-4	11/3/98	Arsenic	**71.4**		mg/kg
SB014 3-5	11/3/98	Arsenic	29.5		mg/kg
SB015 3-4	11/3/98	Arsenic	6.7		mg/kg
SB016 3-5	11/3/98	Arsenic	4		mg/kg
SB017 3-5	11/3/98	Arsenic	34.4		mg/kg
SB018 3-5	11/3/98	Arsenic	3.1		mg/kg
SB019 3-5	11/3/98	Arsenic	2.4		mg/kg
SB020 2-3	11/3/98	Arsenic	8.8		mg/kg
SB021 2-3	11/3/98	Arsenic	3.2		mg/kg
SB022 2-3	11/3/98	Arsenic	2.9		mg/kg
SB023 2-3	11/3/98	Arsenic	2.1		mg/kg
SB024 2-3	11/3/98	Arsenic	69.5		mg/kg
SB025 2-3	11/3/98	Arsenic	10.8		mg/kg
SB026 3-5	11/3/98	Arsenic	48.9		mg/kg
SB027 3-5	11/3/98	Arsenic	2.5		mg/kg
SB028 3-5	11/3/98	Arsenic	30.5		mg/kg
SB029 3-5	11/3/98	Arsenic	3		mg/kg
SB030 2-3	11/3/98	Arsenic	11.5		mg/kg
SB031 2-3	11/3/98	Arsenic	10.1		mg/kg
SB032 2-3	11/3/98	Arsenic	1.8		mg/kg
SB033 3-4	11/3/98	Arsenic	7.3		mg/kg
SB034 3-4	11/3/98	Arsenic	3.1		mg/kg
SB035 2-3	11/3/98	Arsenic	6		mg/kg
SB036 3-4	11/3/98	Arsenic	8.1		mg/kg
SB037 2-3	11/3/98	Arsenic	**110**		mg/kg
SB038 3-5	11/3/98	Arsenic	13.3		mg/kg
SB039 2-3	11/3/98	Arsenic	2.5		mg/kg
SB040 3-4	11/3/98	Arsenic	10.8		mg/kg
SB041 3-4	11/3/98	Arsenic	14.8		mg/kg
SB042 2-3	11/4/98	Arsenic	36.8		mg/kg
SB043 3-5	11/4/98	Arsenic	**121**		mg/kg
SB044 2-3	11/4/98	Arsenic	**116**		mg/kg
SB045 2-3	11/4/98	Arsenic	**156**		mg/kg
SB046 2-3	11/4/98	Arsenic	66.2		mg/kg

Table 1B - DEH Round One Laboratory Results

SB099 2-3	11/10/98	Arsenic	5.1		mg/kg
SB100 2-3	11/11/98	Arsenic	**76.1**		mg/kg
SB101 2-3	11/11/98	Arsenic	4.3		mg/kg
SB102 2-3	11/11/98	Arsenic	14		mg/kg
SB103 2-3	11/11/98	Arsenic	7.1		mg/kg
SB104 2-3	11/11/98	Arsenic	3.2		mg/kg
SB105 3-4	11/11/98	Arsenic	9.3		mg/kg
SB106 2-3	11/11/98	Arsenic	**105**		mg/kg
SB107 3-4	11/11/98	Arsenic	13.9		mg/kg
SB108 2-3	11/11/98	Arsenic	3.1		mg/kg
SB109 2-3	11/11/98	Arsenic	2.2		mg/kg
SB110 2-3	11/11/98	Arsenic	3.8		mg/kg
SB111 2-3	11/11/98	Arsenic	3.3		mg/kg
SB112 3-4	11/11/98	Arsenic	3.4		mg/kg
SB113 3-4	11/11/98	Arsenic	2.7		mg/kg
SB114 2-3	11/11/98	Arsenic	4.2		mg/kg
SB115 2-3	11/11/98	Arsenic	**187**		mg/kg
SB116 3-4	11/11/98	Arsenic	21.9		mg/kg
SB117 1-2	11/12/98	Arsenic	23.4		mg/kg
SB120 3-6	11/12/98	Arsenic	2.9		mg/kg
SB121 3-6	11/12/98	Arsenic			mg/kg
SB122 3-6	11/12/98	Arsenic	34.8		mg/kg
SB123 3-6	11/12/98	Arsenic	10.2		mg/kg
SB008 1-2	11/2/98	Arsenic	1.5		mg/L
SB010 1-2	11/2/98	Arsenic	0.76		mg/L
SB027 1-2	11/3/98	Arsenic	2.8		mg/L
SB044 1-2	11/4/98	Arsenic	0.96		mg/L
SB045 1-2	11/4/98	Arsenic	1		mg/L
SB098 9-12	11/10/98	Arsenic	1.4		mg/L
SB103 3-6	11/11/98	Arsenic	0.55		mg/L
SB109 5-6	11/11/98	Arsenic	0.55		mg/L
SB121 1-2	11/12/98	Arsenic	1.5		mg/L
SB053 3-5	11/4/98	Arsenic		ND	mg/kg
SB082 3-4	11/6/98	Arsenic		ND	mg/kg
SB118 7-9	11/11/98	Arsenic		ND	mg/kg
SB119 3-6	11/12/98	Arsenic		ND	mg/kg
SB001 1-2	11/2/98	Arsenic		ND	mg/L
SB001 12-15	11/2/98	Arsenic		ND	mg/L
SB002 2-3	11/2/98	Arsenic		ND	mg/L
SB003 1-2	11/2/98	Arsenic		ND	mg/L
SB003 9-12	11/2/98	Arsenic		ND	mg/L
SB004 2-3	11/2/98	Arsenic		ND	mg/L
SB004 7-9	11/2/98	Arsenic		ND	mg/L
SB005 2-3	11/2/98	Arsenic		ND	mg/L
SB005 6-9	11/2/98	Arsenic		ND	mg/L
SB006 3-5	11/2/98	Arsenic		ND	mg/L
SB007 2-3	11/2/98	Arsenic		ND	mg/L
SB007 6-9	11/2/98	Arsenic		ND	mg/L

Table 1B - DEH Round One Laboratory Results

SB047 2-3	11/4/98	Arsenic	2.6		mg/kg
SB048 2-3	11/4/98	Arsenic	2		mg/kg
SB049 2-3	11/4/98	Arsenic	22.5		mg/kg
SB050 2-3	11/4/98	Arsenic	1.9		mg/kg
SB051 2-3	11/4/98	Arsenic	3.9		mg/kg
SB052 2-3	11/4/98	Arsenic	**119**		mg/kg
SB054 2-3	11/5/98	Arsenic	7		mg/kg
SB055 1-3	11/4/98	Arsenic	**131**		mg/kg
SB056 2-3	11/4/98	Arsenic	2.4		mg/kg
SB057 1-2	11/4/98	Arsenic	24.9		mg/kg
SB058 3-4	11/4/98	Arsenic	13		mg/kg
SB059 3-4	11/4/98	Arsenic	3.3		mg/kg
SB060 2-3	11/4/98	Arsenic	5.6		mg/kg
SB061 2-3	11/4/98	Arsenic	6.7		mg/kg
SB062 2-3	11/6/98	Arsenic	1.9		mg/kg
SB063 3-4	11/6/98	Arsenic	**104**		mg/kg
SB064 2-3	11/6/98	Arsenic	**120**		mg/kg
SB065 3-4	11/6/98	Arsenic	44.6		mg/kg
SB066 3-4	11/6/98	Arsenic	41.5		mg/kg
SB067 2-3	11/6/98	Arsenic	1		mg/kg
SB068 2-3	11/5/98	Arsenic	2.2		mg/kg
SB069 3-6	11/5/98	Arsenic	3.1		mg/kg
SB070 3-5	11/5/98	Arsenic	3.5		mg/kg
SB071 2-3	11/6/98	Arsenic	5.8		mg/kg
SB072 3-4	11/5/98	Arsenic	25.7		mg/kg
SB073 3-4	11/5/98	Arsenic	**1030**		mg/kg
SB074 3-4	11/5/98	Arsenic	3.2		mg/kg
SB075 9-12	11/5/98	Arsenic	3.7		mg/kg
SB076 3-4	11/10/98	Arsenic	2		mg/kg
SB077 2-3	11/10/98	Arsenic	4.8		mg/kg
SB078 2-3	11/10/98	Arsenic	7.1		mg/kg
SB079 3-4	11/10/98	Arsenic	11.4		mg/kg
SB080 2-3	11/10/98	Arsenic	1.1		mg/kg
SB081 2-3	11/10/98	Arsenic	10.3		mg/kg
SB083 2-3	11/10/98	Arsenic	4.8		mg/kg
SB084 3-4	11/10/98	Arsenic	6.9		mg/kg
SB085 3-4	11/10/98	Arsenic	3.7		mg/kg
SB086 2-3	11/10/98	Arsenic	6.7		mg/kg
SB089 3-4	11/6/98	Arsenic	63.3		mg/kg
SB090 2-3	11/6/98	Arsenic	2.2		mg/kg
SB091 2-3	11/6/98	Arsenic	**396**		mg/kg
SB092 2-3	11/6/98	Arsenic	23.4		mg/kg
SB093 3-4	11/6/98	Arsenic	3.5		mg/kg
SB094 3-4	11/6/98	Arsenic	1.6		mg/kg
SB095 3-4	11/6/98	Arsenic	2.1		mg/kg
SB096 2-3	11/10/98	Arsenic	3.3		mg/kg
SB097 2-3	11/10/98	Arsenic	3.2		mg/kg
SB098 2-3	11/10/98	Arsenic	1.3		mg/kg

Table 1B - DEH Round One Laboratory Results

SB048 3-6	11/4/98	Arsenic		ND	mg/L
SB049 6-9	11/4/98	Arsenic		ND	mg/L
SB050 6-9	11/4/98	Arsenic		ND	mg/L
SB051 1-2	11/4/98	Arsenic		ND	mg/L
SB051 3-6	11/4/98	Arsenic		ND	mg/L
SB052 1-2	11/4/98	Arsenic		ND	mg/L
SB052 3-6	11/4/98	Arsenic		ND	mg/L
SB053 1-2	11/4/98	Arsenic		ND	mg/L
SB053 6-9	11/4/98	Arsenic		ND	mg/L
SB060 4-6	11/4/98	Arsenic		ND	mg/L
SB061 4-6	11/4/98	Arsenic		ND	mg/L
SB063 9-11	11/6/98	Arsenic		ND	mg/L
SB064 6-8	11/6/98	Arsenic		ND	mg/L
SB070 18-20	11/5/98	Arsenic		ND	mg/L
SB070 9-12	11/5/98	Arsenic		ND	mg/L
SB071 3-6	11/6/98	Arsenic		ND	mg/L
SB072 12-15	11/5/98	Arsenic		ND	mg/L
SB074 15-17	11/5/98	Arsenic		ND	mg/L
SB075 18-21	11/5/98	Arsenic		ND	mg/L
SB077 6-9	11/10/98	Arsenic		ND	mg/L
SB078 9-12	11/10/98	Arsenic		ND	mg/L
SB079 9-12	11/10/98	Arsenic		ND	mg/L
SB082 6-9	11/6/98	Arsenic		ND	mg/L
SB084 9-12	11/10/98	Arsenic		ND	mg/L
SB085 9-12	11/10/98	Arsenic		ND	mg/L
SB086 4-6	11/10/98	Arsenic		ND	mg/L
SB093 6-9	11/6/98	Arsenic		ND	mg/L
SB100 6-9	11/11/98	Arsenic		ND	mg/L
SB101 3-6	11/11/98	Arsenic		ND	mg/L
SB108 6-9	11/11/98	Arsenic		ND	mg/L
SB111 3-6	11/11/98	Arsenic		ND	mg/L
SB112 9-11	11/11/98	Arsenic		ND	mg/L
SB115 6-9	11/11/98	Arsenic		ND	mg/L
SB116 9-12	11/11/98	Arsenic		ND	mg/L
SB117 3-6	11/12/98	Arsenic		ND	mg/L
SB118 1-2	11/11/98	Arsenic		ND	mg/L
SB119 1-2	11/12/98	Arsenic		ND	mg/L
SB120 1-2	11/12/98	Arsenic		ND	mg/L
SB122 1-2	11/12/98	Arsenic		ND	mg/L
SB123 1-2	11/12/98	Arsenic		ND	mg/L
SB001 2-4	11/2/98	Cadmium	11		mg/kg
SB003 3-4	11/2/98	Cadmium	20.1		mg/kg
SB004 3-5	11/2/98	Cadmium	0.33		mg/kg
SB005 4-6	11/2/98	Cadmium	0.4		mg/kg
SB006 6-9	11/2/98	Cadmium	16.9		mg/kg
SB007 3-5	11/2/98	Cadmium	3.3		mg/kg
SB008 2-3	11/2/98	Cadmium			mg/kg
SB009x 2-3	11/2/98	Cadmium	0.28		mg/kg

Table 1B - DEH Round One Laboratory Results

SB009 1-2	11/2/98	Arsenic		ND	mg/L
SB009 6-9	11/2/98	Arsenic		ND	mg/L
SB011 1-2	11/3/98	Arsenic		ND	mg/L
SB011 7-9	11/3/98	Arsenic		ND	mg/L
SB012 1-2	11/3/98	Arsenic		ND	mg/L
SB012 6-8	11/3/98	Arsenic		ND	mg/L
SB013 6-8	11/3/98	Arsenic		ND	mg/L
SB014 2-3	11/3/98	Arsenic		ND	mg/L
SB014 7-9	11/3/98	Arsenic		ND	mg/L
SB015 1-2	11/3/98	Arsenic		ND	mg/L
SB015 6-9	11/3/98	Arsenic		ND	mg/L
SB016 1-3	11/3/98	Arsenic		ND	mg/L
SB016 6-8	11/3/98	Arsenic		ND	mg/L
SB017 1-2	11/3/98	Arsenic		ND	mg/L
SB017 9-11	11/3/98	Arsenic		ND	mg/L
SB018 1-2	11/3/98	Arsenic		ND	mg/L
SB018 6-9	11/3/98	Arsenic		ND	mg/L
SB019 1-2	11/3/98	Arsenic		ND	mg/L
SB019 6-8	11/3/98	Arsenic		ND	mg/L
SB020 6-8	11/3/98	Arsenic		ND	mg/L
SB021 3-5	11/3/98	Arsenic		ND	mg/L
SB024 6-8	11/3/98	Arsenic		ND	mg/L
SB025 1-2	11/3/98	Arsenic		ND	mg/L
SB025 3-6	11/3/98	Arsenic		ND	mg/L
SB028 1-2	11/3/98	Arsenic		ND	mg/L
SB028 6-8	11/3/98	Arsenic		ND	mg/L
SB029 1-2	11/3/98	Arsenic		ND	mg/L
SB029 6-8	11/3/98	Arsenic		ND	mg/L
SB031 3-5	11/3/98	Arsenic		ND	mg/L
SB032 4-6	11/3/98	Arsenic		ND	mg/L
SB033 4-6	11/3/98	Arsenic		ND	mg/L
SB034 1-2	11/3/98	Arsenic		ND	mg/L
SB035 1-2	11/3/98	Arsenic		ND	mg/L
SB035 6-8	11/3/98	Arsenic		ND	mg/L
SB036 1-2	11/3/98	Arsenic		ND	mg/L
SB036 6-8	11/3/98	Arsenic		ND	mg/L
SB037 1-2	11/3/98	Arsenic		ND	mg/L
SB037 3-6	11/3/98	Arsenic		ND	mg/L
SB038 1-2	11/3/98	Arsenic		ND	mg/L
SB042 3-6	11/4/98	Arsenic		ND	mg/L
SB043 1-2	11/4/98	Arsenic		ND	mg/L
SB043 6-9	11/4/98	Arsenic		ND	mg/L
SB044 6-9	11/4/98	Arsenic		ND	mg/L
SB045 3-6	11/4/98	Arsenic		ND	mg/L
SB046 1-2	11/4/98	Arsenic		ND	mg/L
SB046 6-9	11/4/98	Arsenic		ND	mg/L
SB047 1-2	11/4/98	Arsenic		ND	mg/L
SB047 3-6	11/4/98	Arsenic		ND	mg/L

Table 1B - DEH Round One Laboratory Results

SB010 6-9	11/2/98	Cadmium	1.5		mg/kg
SB011 3-4	11/3/98	Cadmium	19.6		mg/kg
SB012 3-5	11/3/98	Cadmium	11.5		mg/kg
SB012 4-6	11/3/98	Cadmium			mg/kg
SB013 3-4	11/3/98	Cadmium			mg/kg
SB014 3-5	11/3/98	Cadmium	14.1		mg/kg
SB015 3-4	11/3/98	Cadmium	2.4		mg/kg
SB016 3-5	11/3/98	Cadmium	0.35		mg/kg
SB017 3-5	11/3/98	Cadmium			mg/kg
SB018 3-5	11/3/98	Cadmium	0.32		mg/kg
SB019 3-5	11/3/98	Cadmium	0.26		mg/kg
SB020 2-3	11/3/98	Cadmium	4.9		mg/kg
SB021 2-3	11/3/98	Cadmium	0.52		mg/kg
SB022 2-3	11/3/98	Cadmium	0.57		mg/kg
SB023 2-3	11/3/98	Cadmium	0.51		mg/kg
SB024 2-3	11/3/98	Cadmium			mg/kg
SB025 2-3	11/3/98	Cadmium			mg/kg
SB026 3-5	11/3/98	Cadmium	0.67		mg/kg
SB027 3-5	11/3/98	Cadmium	10.1		mg/kg
SB028 3-5	11/3/98	Cadmium			mg/kg
SB029 3-5	11/3/98	Cadmium	0.86		mg/kg
SB030 2-3	11/3/98	Cadmium	1.3		mg/kg
SB031 2-3	11/3/98	Cadmium	21.9		mg/kg
SB032 2-3	11/3/98	Cadmium	0.26		mg/kg
SB033 3-4	11/3/98	Cadmium	1.7		mg/kg
SB034 3-4	11/3/98	Cadmium	0.39		mg/kg
SB035 2-3	11/3/98	Cadmium	0.42		mg/kg
SB036 3-4	11/3/98	Cadmium	2.1		mg/kg
SB037 2-3	11/3/98	Cadmium			mg/kg
SB038 3-5	11/3/98	Cadmium	5.2		mg/kg
SB039 2-3	11/3/98	Cadmium	0.42		mg/kg
SB040 3-4	11/3/98	Cadmium	11.3		mg/kg
SB041 3-4	11/3/98	Cadmium	8.3		mg/kg
SB042 2-3	11/4/98	Cadmium			mg/kg
SB043 3-5	11/4/98	Cadmium	48.5		mg/kg
SB044 2-3	11/4/98	Cadmium	58.6		mg/kg
SB045 2-3	11/4/98	Cadmium			mg/kg
SB046 2-3	11/4/98	Cadmium	10.5		mg/kg
SB047 2-3	11/4/98	Cadmium	0.58		mg/kg
SB048 2-3	11/4/98	Cadmium	0.33		mg/kg
SB049 2-3	11/4/98	Cadmium	30.1		mg/kg
SB050 2-3	11/4/98	Cadmium	0.49		mg/kg
SB051 2-3	11/4/98	Cadmium	3.2		mg/kg
SB052 2-3	11/4/98	Cadmium	37.5		mg/kg
SB054 2-3	11/5/98	Cadmium	7.9		mg/kg
SB055 1-3	11/4/98	Cadmium	59.1		mg/kg
SB056 2-3	11/4/98	Cadmium	1.3		mg/kg
SB057 1-2	11/4/98	Cadmium	40.5		mg/kg

Table 1B - DEH Round One Laboratory Results

SB058 3-4	11/4/98	Cadmium	11.2		mg/kg
SB059 3-4	11/4/98	Cadmium	0.59		mg/kg
SB060 2-3	11/4/98	Cadmium	1.6		mg/kg
SB061 2-3	11/4/98	Cadmium	7		mg/kg
SB062 2-3	11/6/98	Cadmium	0.28		mg/kg
SB063 3-4	11/6/98	Cadmium			mg/kg
SB064 2-3	11/6/98	Cadmium	30.2		mg/kg
SB065 3-4	11/6/98	Cadmium	29.5		mg/kg
SB066 3-4	11/6/98	Cadmium	4.3		mg/kg
SB068 2-3	11/5/98	Cadmium	0.29		mg/kg
SB069 3-6	11/5/98	Cadmium	0.37		mg/kg
SB070 3-5	11/5/98	Cadmium	0.56		mg/kg
SB071 2-3	11/6/98	Cadmium	5.4		mg/kg
SB072 3-4	11/5/98	Cadmium	25.4		mg/kg
SB073 3-4	11/5/98	Cadmium			mg/kg
SB074 3-4	11/5/98	Cadmium	1.2		mg/kg
SB075 9-12	11/5/98	Cadmium	2.3		mg/kg
SB076 3-4	11/10/98	Cadmium	0.42		mg/kg
SB077 2-3	11/10/98	Cadmium	3.4		mg/kg
SB078 2-3	11/10/98	Cadmium	2.7		mg/kg
SB079 3-4	11/10/98	Cadmium	4		mg/kg
SB080 2-3	11/10/98	Cadmium	1		mg/kg
SB081 2-3	11/10/98	Cadmium	16.1		mg/kg
SB082 3-4	11/6/98	Cadmium	0.33		mg/kg
SB083 2-3	11/10/98	Cadmium	0.28		mg/kg
SB084 3-4	11/10/98	Cadmium	3.2		mg/kg
SB085 3-4	11/10/98	Cadmium	2.1		mg/kg
SB086 2-3	11/10/98	Cadmium	6.1		mg/kg
SB089 3-4	11/6/98	Cadmium	35		mg/kg
SB090 2-3	11/6/98	Cadmium	0.25		mg/kg
SB091 2-3	11/6/98	Cadmium			mg/kg
SB092 2-3	11/6/98	Cadmium	12		mg/kg
SB093 3-4	11/6/98	Cadmium	2.7		mg/kg
SB094 3-4	11/6/98	Cadmium	0.23		mg/kg
SB095 3-4	11/6/98	Cadmium	0.34		mg/kg
SB096 2-3	11/10/98	Cadmium	0.42		mg/kg
SB097 2-3	11/10/98	Cadmium	0.49		mg/kg
SB098 2-3	11/10/98	Cadmium	0.26		mg/kg
SB099 2-3	11/10/98	Cadmium	0.74		mg/kg
SB100 2-3	11/11/98	Cadmium	48.8		mg/kg
SB101 2-3	11/11/98	Cadmium	0.64		mg/kg
SB102 2-3	11/11/98	Cadmium	31.4		mg/kg
SB103 2-3	11/11/98	Cadmium	4.1		mg/kg
SB104 2-3	11/11/98	Cadmium	2.1		mg/kg
SB105 3-4	11/11/98	Cadmium	1.3		mg/kg
SB106 2-3	11/11/98	Cadmium	24.2		mg/kg
SB107 3-4	11/11/98	Cadmium	10.7		mg/kg
SB108 2-3	11/11/98	Cadmium	0.34		mg/kg

Table 1B - DEH Round One Laboratory Results

SB070 18-20	11/5/98	Cadmium			mg/L
SB072 12-15	11/5/98	Cadmium	0.29		mg/L
SB074 15-17	11/5/98	Cadmium	0.12		mg/L
SB078 9-12	11/10/98	Cadmium	0.1		mg/L
SB079 9-12	11/10/98	Cadmium			mg/L
SB084 9-12	11/10/98	Cadmium	0.3		mg/L
SB085 9-12	11/10/98	Cadmium	0.49		mg/L
SB093 6-9	11/6/98	Cadmium	0.89		mg/L
SB098 9-12	11/10/98	Cadmium			mg/L
SB100 6-9	11/11/98	Cadmium			mg/L
SB101 3-6	11/11/98	Cadmium			mg/L
SB103 3-6	11/11/98	Cadmium	0.27		mg/L
SB108 6-9	11/11/98	Cadmium			mg/L
SB109 5-6	11/11/98	Cadmium			mg/L
SB115 6-9	11/11/98	Cadmium	0.17		mg/L
SB118 1-2	11/11/98	Cadmium	0.44		mg/L
SB119 1-2	11/12/98	Cadmium			mg/L
SB120 1-2	11/12/98	Cadmium	0.85		mg/L
SB121 1-2	11/12/98	Cadmium			mg/L
SB122 1-2	11/12/98	Cadmium	0.55		mg/L
SB123 1-2	11/12/98	Cadmium	0.11		mg/L
SB053 3-5	11/4/98	Cadmium		ND	mg/kg
SB067 2-3	11/6/98	Cadmium		ND	mg/kg
SB113 3-4	11/11/98	Cadmium		ND	mg/kg
SB118 7-9	11/11/98	Cadmium		ND	mg/kg
SB119 3-6	11/12/98	Cadmium		ND	mg/kg
SB001 12-15	11/2/98	Cadmium		ND	mg/L
SB002 2-3	11/2/98	Cadmium		ND	mg/L
SB003 1-2	11/2/98	Cadmium		ND	mg/L
SB003 9-12	11/2/98	Cadmium		ND	mg/L
SB004 2-3	11/2/98	Cadmium		ND	mg/L
SB004 7-9	11/2/98	Cadmium		ND	mg/L
SB005 6-9	11/2/98	Cadmium		ND	mg/L
SB007 6-9	11/2/98	Cadmium		ND	mg/L
SB009 1-2	11/2/98	Cadmium		ND	mg/L
SB014 2-3	11/3/98	Cadmium		ND	mg/L
SB014 7-9	11/3/98	Cadmium		ND	mg/L
SB015 1-2	11/3/98	Cadmium		ND	mg/L
SB015 6-9	11/3/98	Cadmium		ND	mg/L
SB016 1-3	11/3/98	Cadmium		ND	mg/L
SB016 6-8	11/3/98	Cadmium		ND	mg/L
SB017 1-2	11/3/98	Cadmium		ND	mg/L
SB017 9-11	11/3/98	Cadmium		ND	mg/L
SB018 1-2	11/3/98	Cadmium		ND	mg/L
SB018 6-9	11/3/98	Cadmium		ND	mg/L
SB019 1-2	11/3/98	Cadmium		ND	mg/L
SB019 6-8	11/3/98	Cadmium		ND	mg/L
SB020 6-8	11/3/98	Cadmium		ND	mg/L

Table 1B - DEH Round One Laboratory Results

SB109 2-3	11/11/98	Cadmium	0.26		mg/kg
SB110 2-3	11/11/98	Cadmium	0.34		mg/kg
SB111 2-3	11/11/98	Cadmium	0.78		mg/kg
SB112 3-4	11/11/98	Cadmium	2.5		mg/kg
SB114 2-3	11/11/98	Cadmium	6.3		mg/kg
SB115 2-3	11/11/98	Cadmium			mg/kg
SB116 3-4	11/11/98	Cadmium	33.7		mg/kg
SB117 1-2	11/12/98	Cadmium	2.8		mg/kg
SB120 3-6	11/12/98	Cadmium	0.65		mg/kg
SB121 3-6	11/12/98	Cadmium			mg/kg
SB122 3-6	11/12/98	Cadmium			mg/kg
SB123 3-6	11/12/98	Cadmium	3.1		mg/kg
SB001 1-2	11/2/98	Cadmium	0.13		mg/L
SB005 2-3	11/2/98	Cadmium	0.14		mg/L
SB006 3-5	11/2/98	Cadmium	0.76		mg/L
SB007 2-3	11/2/98	Cadmium	0.15		mg/L
SB008 1-2	11/2/98	Cadmium			mg/L
SB009 6-9	11/2/98	Cadmium	0.2		mg/L
SB010 1-2	11/2/98	Cadmium	0.89		mg/L
SB011 1-2	11/3/98	Cadmium	0.65		mg/L
SB011 7-9	11/3/98	Cadmium	0.11		mg/L
SB012 1-2	11/3/98	Cadmium	0.28		mg/L
SB012 6-8	11/3/98	Cadmium	0.11		mg/L
SB013 6-8	11/3/98	Cadmium	0.17		mg/L
SB024 6-8	11/3/98	Cadmium	0.79		mg/L
SB025 1-2	11/3/98	Cadmium	0.92		mg/L
SB027 1-2	11/3/98	Cadmium			mg/L
SB028 1-2	11/3/98	Cadmium			mg/L
SB028 6-8	11/3/98	Cadmium	0.21		mg/L
SB029 1-2	11/3/98	Cadmium			mg/L
SB029 6-8	11/3/98	Cadmium	0.11		mg/L
SB032 4-6	11/3/98	Cadmium	0.51		mg/L
SB034 1-2	11/3/98	Cadmium			mg/L
SB036 1-2	11/3/98	Cadmium	0.84		mg/L
SB042 3-6	11/4/98	Cadmium	0.62		mg/L
SB043 1-2	11/4/98	Cadmium	0.65		mg/L
SB044 1-2	11/4/98	Cadmium	0.79		mg/L
SB045 1-2	11/4/98	Cadmium			mg/L
SB045 3-6	11/4/98	Cadmium	0.18		mg/L
SB046 1-2	11/4/98	Cadmium	0.14		mg/L
SB047 3-6	11/4/98	Cadmium	0.21		mg/L
SB049 6-9	11/4/98	Cadmium	0.29		mg/L
SB050 6-9	11/4/98	Cadmium	0.26		mg/L
SB052 1-2	11/4/98	Cadmium	0.11		mg/L
SB052 3-6	11/4/98	Cadmium	0.28		mg/L
SB060 4-6	11/4/98	Cadmium	0.14		mg/L
SB063 9-11	11/6/98	Cadmium	0.65		mg/L
SB064 6-8	11/6/98	Cadmium	0.95		mg/L

Table 1B - DEH Round One Laboratory Results

SB021 3-5	11/3/98	Cadmium		ND	mg/L
SB025 3-6	11/3/98	Cadmium		ND	mg/L
SB031 3-5	11/3/98	Cadmium		ND	mg/L
SB033 4-6	11/3/98	Cadmium		ND	mg/L
SB035 1-2	11/3/98	Cadmium		ND	mg/L
SB035 6-8	11/3/98	Cadmium		ND	mg/L
SB036 6-8	11/3/98	Cadmium		ND	mg/L
SB037 1-2	11/3/98	Cadmium		ND	mg/L
SB037 3-6	11/3/98	Cadmium		ND	mg/L
SB038 1-2	11/3/98	Cadmium		ND	mg/L
SB043 6-9	11/4/98	Cadmium		ND	mg/L
SB044 6-9	11/4/98	Cadmium		ND	mg/L
SB046 6-9	11/4/98	Cadmium		ND	mg/L
SB047 1-2	11/4/98	Cadmium		ND	mg/L
SB048 3-6	11/4/98	Cadmium		ND	mg/L
SB051 1-2	11/4/98	Cadmium		ND	mg/L
SB051 3-6	11/4/98	Cadmium		ND	mg/L
SB053 1-2	11/4/98	Cadmium		ND	mg/L
SB053 6-9	11/4/98	Cadmium		ND	mg/L
SB061 4-6	11/4/98	Cadmium		ND	mg/L
SB070 9-12	11/5/98	Cadmium		ND	mg/L
SB071 3-6	11/6/98	Cadmium		ND	mg/L
SB075 18-21	11/5/98	Cadmium		ND	mg/L
SB077 6-9	11/10/98	Cadmium		ND	mg/L
SB082 6-9	11/6/98	Cadmium		ND	mg/L
SB086 4-6	11/10/98	Cadmium		ND	mg/L
SB111 3-6	11/11/98	Cadmium		ND	mg/L
SB112 9-11	11/11/98	Cadmium		ND	mg/L
SB116 9-12	11/11/98	Cadmium		ND	mg/L
SB117 3-6	11/12/98	Cadmium		ND	mg/L
SB001 2-4	11/2/98	Lead	172		mg/kg
SB003 3-4	11/2/98	Lead	384		mg/kg
SB004 3-5	11/2/98	Lead	13.8		mg/kg
SB005 4-6	11/2/98	Lead	15.7		mg/kg
SB006 6-9	11/2/98	Lead	52.6		mg/kg
SB007 3-5	11/2/98	Lead	3.1		mg/kg
SB008 2-3	11/2/98	Lead	5		mg/kg
SB009x 2-3	11/2/98	Lead	1.9		mg/kg
SB010 6-9	11/2/98	Lead	1.1		mg/kg
SB011 3-4	11/3/98	Lead	25.5		mg/kg
SB012 3-5	11/3/98	Lead	8.5		mg/kg
SB012 4-6	11/3/98	Lead	14		mg/kg
SB013 3-4	11/3/98	Lead	139		mg/kg
SB014 3-5	11/3/98	Lead	39.3		mg/kg
SB015 3-4	11/3/98	Lead	26.6		mg/kg
SB016 3-5	11/3/98	Lead	10.2		mg/kg
SB017 3-5	11/3/98	Lead	185		mg/kg
SB018 3-5	11/3/98	Lead	11.2		mg/kg

Table 1B - DEH Round One Laboratory Results

SB019 3-5	11/3/98	Lead	9		mg/kg
SB020 2-3	11/3/98	Lead	126		mg/kg
SB021 2-3	11/3/98	Lead	129		mg/kg
SB022 2-3	11/3/98	Lead	176		mg/kg
SB023 2-3	11/3/98	Lead	7.7		mg/kg
SB024 2-3	11/3/98	Lead	358		mg/kg
SB025 2-3	11/3/98	Lead	13.5		mg/kg
SB026 3-5	11/3/98	Lead	9.9		mg/kg
SB027 3-5	11/3/98	Lead	6.4		mg/kg
SB028 3-5	11/3/98	Lead	11.5		mg/kg
SB029 3-5	11/3/98	Lead	22.6		mg/kg
SB030 2-3	11/3/98	Lead	68.5		mg/kg
SB031 2-3	11/3/98	Lead	96		mg/kg
SB032 2-3	11/3/98	Lead	47.1		mg/kg
SB033 3-4	11/3/98	Lead	237		mg/kg
SB034 3-4	11/3/98	Lead	12.3		mg/kg
SB035 2-3	11/3/98	Lead	12.4		mg/kg
SB036 3-4	11/3/98	Lead	**468**		mg/kg
SB037 2-3	11/3/98	Lead			mg/kg
SB038 3-5	11/3/98	Lead	**421**		mg/kg
SB039 2-3	11/3/98	Lead	24.9		mg/kg
SB040 3-4	11/3/98	Lead	138		mg/kg
SB041 3-4	11/3/98	Lead	206		mg/kg
SB042 2-3	11/4/98	Lead	273		mg/kg
SB043 3-5	11/4/98	Lead	285		mg/kg
SB044 2-3	11/4/98	Lead	**444**		mg/kg
SB045 2-3	11/4/98	Lead	**473**		mg/kg
SB046 2-3	11/4/98	Lead	135		mg/kg
SB047 2-3	11/4/98	Lead	25.3		mg/kg
SB048 2-3	11/4/98	Lead	11.7		mg/kg
SB049 2-3	11/4/98	Lead	**468**		mg/kg
SB050 2-3	11/4/98	Lead	15.8		mg/kg
SB051 2-3	11/4/98	Lead	72.6		mg/kg
SB052 2-3	11/4/98	Lead			mg/kg
SB053 3-5	11/4/98	Lead	2.4		mg/kg
SB054 2-3	11/5/98	Lead	46.6		mg/kg
SB055 1-3	11/4/98	Lead	**700**		mg/kg
SB056 2-3	11/4/98	Lead	19.1		mg/kg
SB057 1-2	11/4/98	Lead	138		mg/kg
SB058 3-4	11/4/98	Lead	87.4		mg/kg
SB059 3-4	11/4/98	Lead	9.6		mg/kg
SB060 2-3	11/4/98	Lead	153		mg/kg
SB061 2-3	11/4/98	Lead	64.6		mg/kg
SB062 2-3	11/6/98	Lead	15.8		mg/kg
SB063 3-4	11/6/98	Lead	**494**		mg/kg
SB064 2-3	11/6/98	Lead	**604**		mg/kg
SB065 3-4	11/6/98	Lead	181		mg/kg
SB066 3-4	11/6/98	Lead	29.7		mg/kg

Table 1B - DEH Round One Laboratory Results

SB067 2-3	11/6/98	Lead	13.3		mg/kg
SB068 2-3	11/5/98	Lead	8.1		mg/kg
SB069 3-6	11/5/98	Lead	87		mg/kg
SB070 3-5	11/5/98	Lead	107		mg/kg
SB071 2-3	11/6/98	Lead	65.7		mg/kg
SB072 3-4	11/5/98	Lead	352		mg/kg
SB073 3-4	11/5/98	Lead			mg/kg
SB074 3-4	11/5/98	Lead	20.1		mg/kg
SB075 9-12	11/5/98	Lead	39.4		mg/kg
SB076 3-4	11/10/98	Lead	14.2		mg/kg
SB077 2-3	11/10/98	Lead	72.5		mg/kg
SB078 2-3	11/10/98	Lead	61.9		mg/kg
SB079 3-4	11/10/98	Lead	44.5		mg/kg
SB080 2-3	11/10/98	Lead	196		mg/kg
SB081 2-3	11/10/98	Lead	76.1		mg/kg
SB082 3-4	11/6/98	Lead	10.8		mg/kg
SB083 2-3	11/10/98	Lead	9.6		mg/kg
SB084 3-4	11/10/98	Lead	44.7		mg/kg
SB085 3-4	11/10/98	Lead	39.9		mg/kg
SB086 2-3	11/10/98	Lead	46.1		mg/kg
SB089 3-4	11/6/98	Lead	153		mg/kg
SB090 2-3	11/6/98	Lead	40.5		mg/kg
SB091 2-3	11/6/98	Lead	**698**		mg/kg
SB092 2-3	11/6/98	Lead	**933**		mg/kg
SB093 3-4	11/6/98	Lead	24.9		mg/kg
SB094 3-4	11/6/98	Lead	7.4		mg/kg
SB095 3-4	11/6/98	Lead	16		mg/kg
SB096 2-3	11/10/98	Lead	41.1		mg/kg
SB097 2-3	11/10/98	Lead	27.4		mg/kg
SB098 2-3	11/10/98	Lead	14.2		mg/kg
SB099 2-3	11/10/98	Lead	13.3		mg/kg
SB100 2-3	11/11/98	Lead	**806**		mg/kg
SB101 2-3	11/11/98	Lead	13.8		mg/kg
SB102 2-3	11/11/98	Lead	48.2		mg/kg
SB103 2-3	11/11/98	Lead	50.4		mg/kg
SB104 2-3	11/11/98	Lead	10.9		mg/kg
SB105 3-4	11/11/98	Lead	6.7		mg/kg
SB106 2-3	11/11/98	Lead			mg/kg
SB107 3-4	11/11/98	Lead	272		mg/kg
SB108 2-3	11/11/98	Lead	17		mg/kg
SB109 2-3	11/11/98	Lead	12.8		mg/kg
SB110 2-3	11/11/98	Lead	11.8		mg/kg
SB111 2-3	11/11/98	Lead	18.7		mg/kg
SB112 3-4	11/11/98	Lead	34.4		mg/kg
SB113 3-4	11/11/98	Lead	7.7		mg/kg
SB114 2-3	11/11/98	Lead	28.4		mg/kg
SB115 2-3	11/11/98	Lead	**440**		mg/kg
SB116 3-4	11/11/98	Lead	293		mg/kg

Table 1B - DEH Round One Laboratory Results

SB117 1-2	11/12/98	Lead	672		mg/kg
SB118 7-9	11/11/98	Lead	2		mg/kg
SB119 3-6	11/12/98	Lead	1.8		mg/kg
SB120 3-6	11/12/98	Lead	11.1		mg/kg
SB121 3-6	11/12/98	Lead			mg/kg
SB122 3-6	11/12/98	Lead	10.8		mg/kg
SB123 3-6	11/12/98	Lead	57		mg/kg
SB024 6-8	11/3/98	Lead	1		mg/L
SB029 1-2	11/3/98	Lead	0.95		mg/L
SB029 6-8	11/3/98	Lead	2.5		mg/L
SB031 3-5	11/3/98	Lead	0.78		mg/L
SB032 4-6	11/3/98	Lead	0.91		mg/L
SB034 1-2	11/3/98	Lead	1.2		mg/L
SB036 1-2	11/3/98	Lead	1.6		mg/L
SB047 3-6	11/4/98	Lead	0.93		mg/L
SB051 3-6	11/4/98	Lead			mg/L
SB052 1-2	11/4/98	Lead	3.9		mg/L
SB052 3-6	11/4/98	Lead	0.64		mg/L
SB075 18-21	11/5/98	Lead	0.55		mg/L
SB093 6-9	11/6/98	Lead	2.2		mg/L
SB108 6-9	11/11/98	Lead	1.6		mg/L
SB109 5-6	11/11/98	Lead	0.61		mg/L
SB121 1-2	11/12/98	Lead	0.63		mg/L
SB001 1-2	11/2/98	Lead		ND	mg/L
SB001 12-15	11/2/98	Lead		ND	mg/L
SB002 2-3	11/2/98	Lead		ND	mg/L
SB003 1-2	11/2/98	Lead		ND	mg/L
SB003 9-12	11/2/98	Lead		ND	mg/L
SB004 2-3	11/2/98	Lead		ND	mg/L
SB004 7-9	11/2/98	Lead		ND	mg/L
SB005 2-3	11/2/98	Lead		ND	mg/L
SB005 6-9	11/2/98	Lead		ND	mg/L
SB006 3-5	11/2/98	Lead		ND	mg/L
SB007 2-3	11/2/98	Lead		ND	mg/L
SB007 6-9	11/2/98	Lead		ND	mg/L
SB008 1-2	11/2/98	Lead		ND	mg/L
SB009 1-2	11/2/98	Lead		ND	mg/L
SB009 6-9	11/2/98	Lead		ND	mg/L
SB010 1-2	11/2/98	Lead		ND	mg/L
SB011 1-2	11/3/98	Lead		ND	mg/L
SB011 7-9	11/3/98	Lead		ND	mg/L
SB012 1-2	11/3/98	Lead		ND	mg/L
SB012 6-8	11/3/98	Lead		ND	mg/L
SB013 6-8	11/3/98	Lead		ND	mg/L
SB014 2-3	11/3/98	Lead		ND	mg/L
SB014 7-9	11/3/98	Lead		ND	mg/L
SB015 1-2	11/3/98	Lead		ND	mg/L
SB015 6-9	11/3/98	Lead		ND	mg/L

Table 1B - DEH Round One Laboratory Results

SB016 1-3	11/3/98	Lead		ND	mg/L
SB016 6-8	11/3/98	Lead		ND	mg/L
SB017 1-2	11/3/98	Lead		ND	mg/L
SB017 9-11	11/3/98	Lead		ND	mg/L
SB018 1-2	11/3/98	Lead		ND	mg/L
SB018 6-9	11/3/98	Lead		ND	mg/L
SB019 1-2	11/3/98	Lead		ND	mg/L
SB019 6-8	11/3/98	Lead		ND	mg/L
SB020 6-8	11/3/98	Lead		ND	mg/L
SB021 3-5	11/3/98	Lead		ND	mg/L
SB025 1-2	11/3/98	Lead		ND	mg/L
SB025 3-6	11/3/98	Lead		ND	mg/L
SB027 1-2	11/3/98	Lead		ND	mg/L
SB028 1-2	11/3/98	Lead		ND	mg/L
SB028 6-8	11/3/98	Lead		ND	mg/L
SB033 4-6	11/3/98	Lead		ND	mg/L
SB035 1-2	11/3/98	Lead		ND	mg/L
SB035 6-8	11/3/98	Lead		ND	mg/L
SB036 6-8	11/3/98	Lead		ND	mg/L
SB037 1-2	11/3/98	Lead		ND	mg/L
SB037 3-6	11/3/98	Lead		ND	mg/L
SB038 1-2	11/3/98	Lead		ND	mg/L
SB042 3-6	11/4/98	Lead		ND	mg/L
SB043 1-2	11/4/98	Lead		ND	mg/L
SB043 6-9	11/4/98	Lead		ND	mg/L
SB044 1-2	11/4/98	Lead		ND	mg/L
SB044 6-9	11/4/98	Lead		ND	mg/L
SB045 1-2	11/4/98	Lead		ND	mg/L
SB045 3-6	11/4/98	Lead		ND	mg/L
SB046 1-2	11/4/98	Lead		ND	mg/L
SB046 6-9	11/4/98	Lead		ND	mg/L
SB047 1-2	11/4/98	Lead		ND	mg/L
SB048 3-6	11/4/98	Lead		ND	mg/L
SB049 6-9	11/4/98	Lead		ND	mg/L
SB050 6-9	11/4/98	Lead		ND	mg/L
SB051 1-2	11/4/98	Lead		ND	mg/L
SB053 1-2	11/4/98	Lead		ND	mg/L
SB053 6-9	11/4/98	Lead		ND	mg/L
SB060 4-6	11/4/98	Lead		ND	mg/L
SB061 4-6	11/4/98	Lead		ND	mg/L
SB063 9-11	11/6/98	Lead		ND	mg/L
SB064 6-8	11/6/98	Lead		ND	mg/L
SB070 18-20	11/5/98	Lead		ND	mg/L
SB070 9-12	11/5/98	Lead		ND	mg/L
SB071 3-6	11/6/98	Lead		ND	mg/L
SB072 12-15	11/5/98	Lead		ND	mg/L
SB074 15-17	11/5/98	Lead		ND	mg/L
SB077 6-9	11/10/98	Lead		ND	mg/L

Table 1B - DEH Round One Laboratory Results

SB078 9-12	11/10/98	Lead		ND	mg/L
SB079 9-12	11/10/98	Lead		ND	mg/L
SB082 6-9	11/6/98	Lead		ND	mg/L
SB084 9-12	11/10/98	Lead		ND	mg/L
SB085 9-12	11/10/98	Lead		ND	mg/L
SB086 4-6	11/10/98	Lead		ND	mg/L
SB098 9-12	11/10/98	Lead		ND	mg/L
SB100 6-9	11/11/98	Lead		ND	mg/L
SB101 3-6	11/11/98	Lead		ND	mg/L
SB103 3-6	11/11/98	Lead		ND	mg/L
SB111 3-6	11/11/98	Lead		ND	mg/L
SB112 9-11	11/11/98	Lead		ND	mg/L
SB115 6-9	11/11/98	Lead		ND	mg/L
SB116 9-12	11/11/98	Lead		ND	mg/L
SB117 3-6	11/12/98	Lead		ND	mg/L
SB118 1-2	11/11/98	Lead		ND	mg/L
SB119 1-2	11/12/98	Lead		ND	mg/L
SB120 1-2	11/12/98	Lead		ND	mg/L
SB122 1-2	11/12/98	Lead		ND	mg/L
SB123 1-2	11/12/98	Lead		ND	mg/L

Table 1C- USEPA Round One Laboratory Results

Sample ID	Arsenic Result	Lab flag	Cadmium Result	Lab flag	Lead Result	Lab flag	Units
3-001A	9.8		4.2		140		mg/kg
3-005B	146		15.8				mg/kg
3-017B	15.3		10.5		63.4		mg/kg
3-021B	8.3	B	0.15	U	12.7		mg/kg
3-023A	136						mg/kg
3-024B	51		22.2		844		mg/kg
3-029B	14	B	4.2		452		mg/kg
3-031A	255		50.9				mg/kg
3-032A	58.8		44.9		1,450		mg/kg
3-033A	245		5.6				mg/kg
3-037A	111		5.4				mg/kg
3-039A	53.1		42.5		817		mg/kg
3-042AD	173						mg/kg
3-046B	28.2				2		mg/kg
3-051A	415		34				mg/kg
3-051B	361		32				mg/kg
3-052A	149		26.4				mg/kg
3-061D	150		28.9		15.9		mg/kg
3-072F	64.3		59.3		61.7		mg/kg
3-078A	1.9		0.14	U	8.9		mg/kg
3-081A	266				790		mg/kg
3-089A	79.8		22.1		130		mg/kg
3-093B	173		36.3				mg/kg
3-093C					1,000		mg/kg
3-094CD	69.9		23		363		mg/kg
3-098B	151				520		mg/kg
3-098C	270				301		mg/kg
3-099B	18.4		13.4		90.2		mg/kg
3-101A	54.7				170		mg/kg
3-103A	392		48.5		1,150		mg/kg
3-107A	134		62.7		456		mg/kg
3-108A	138		34.9		1,600		mg/kg
3-108B	479						mg/kg
3-108C	230		38		695		mg/kg
3-109B	103		10		200		mg/kg
3-111B	408						mg/kg
3-111C	701						mg/kg
3-115A	283						mg/kg
B-118B	455		32.8				mg/kg
B-118C	207		8.1				mg/kg
B-122B	11.8				26.6		mg/kg
B-123A	709						mg/kg

ported value was obtained from a reading that was less than the Contract Required Detection Limit

eater than or equal to the Instrument Detection Limit.

alyte was analyzed for but not detected

Petroleum Contaminated Soils

During the collection of soil samples, evidence of petroleum contamination was observed and documented. Figure 3 presents the locations where petroleum staining was identified. However, laboratory analysis of the stained soil was not completed. In many cases, petroleum-contaminated soil can be managed as a solid waste and possibly managed onsite. To evaluate the possibility of leaving the petroleum-contaminated soils onsite, and to estimate offsite disposal costs, a second round of soil sampling was required and is discussed below.

FOLLOW-UP INVESTIGATION RESULTS

To further evaluate the metals-contaminated soils and the petroleum-stained soils, a second round of field sampling was completed. The goal of the second round of sampling was to refine volume and waste characterization estimates. A report detailing the follow-up investigation activities has been prepared by the EPA contractor, URS Operating Services, Inc. (URS), and is presented in Attachment 2. During the follow-up investigation, a total of 88 soil samples were submitted for laboratory analyses. The locations where soil samples were collected for the follow-up investigation is presented in Figure 4. Seventy-six of the 88 collected soil samples were analyzed for total metals. Twelve of the 88 collected soil samples were analyzed for PCBs, TPH and oil/grease. The results of the laboratory analysis are summarized in Table 2. Laboratory results of collected soil samples from the second round of fieldwork are presented in Attachment 5. Table 3 summarizes all of the laboratory data collected during both sampling events.

Metals Contaminated Soils

Based on a review of all of the available data it appears that several areas of metals-contaminated soil exist at the site. The locations of these areas are presented in Figure 5. Environmental Services believes that if the soils in these areas are disturbed, the soil may meet the regulatory definition of a hazardous waste. Therefore, Environmental Services recommends these areas not be disturbed under any circumstances.

After evaluating all of the data, Environmental Services redesigned the layout of the proposed stormwater detention area to exclude areas of known meat-rendering waste and concentrated metals-contamination. This revised stormwater detention layout is presented in Figure 6. A report detailing the stormwater detention capacity of the revised layout is presented in Attachment 6.

Environmental Services evaluated the concentrations of metals in the soils that would be excavated using the revised stormwater layout. The results of this analysis indicate that the metals-contaminated soils excavated during the construction of the stormwater detention area would be classified as a solid waste. A report detailing this waste characterization analysis is presented in Attachment 7. Environmental Services believes that with prior CDPHE approval, these soils may be managed onsite, provided certain precautions are taken. The soils must be placed elsewhere

onsite in a graded fashion and capped with at least one foot of clean soil. The cap is required to prevent the metals-contaminated soil from impacting human health or the environment. Additionally, to help ensure that metals-contaminated soil does not contact stormwater, Environmental Services recommends that the bottom of the excavated stormwater detention area be lined with a compacted, two-foot clay liner. A report detailing the cost estimate to line the bottom of the detention area and to place and cap the excavated metals-contaminated soil is presented in Attachment 8.

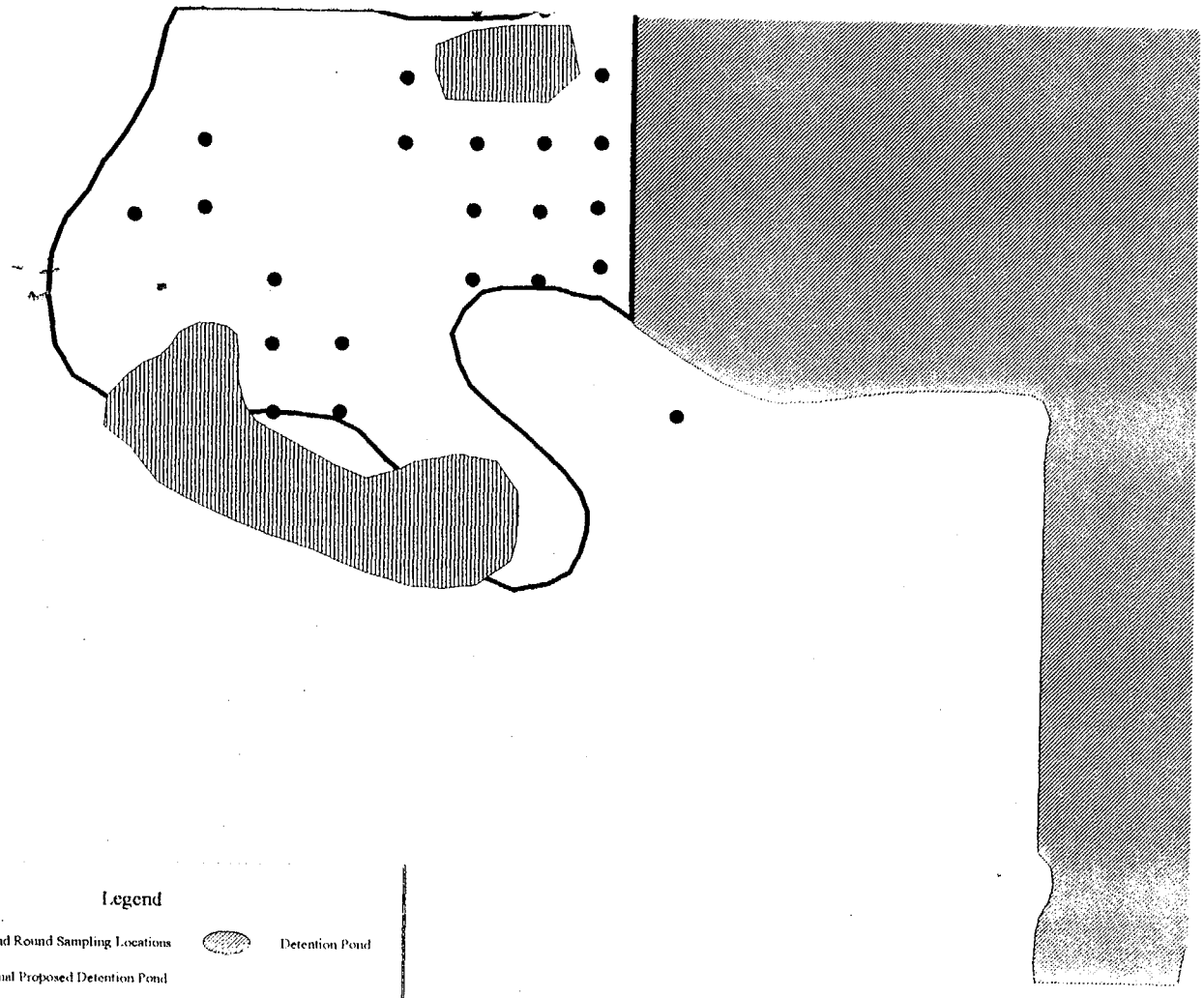
Petroleum Contaminated Soils

Based on a review of all available information, there are approximately 11,000 cubic yards of petroleum-contaminated soil at the site. The location of the petroleum-contaminated soil is presented in Figure 5. The results of the laboratory analyses of soil samples collected at the site indicate that the concentrations of petroleum contamination range from the following:

• Diesel Range Organics (DRO)	230 ppm to 3,100 ppm
• Oil and Grease	7,000 ppm to 37,000 ppm
• PCBs	none detected in any samples

The laboratory results are presented in Attachment 5. Considering the indication of relatively high concentrations of petroleum contamination, Environmental Services believes that some form of remediation will be required at this site. If the petroleum-contaminated soils are excavated during the construction of the stormwater detention area, the soils will need to be properly disposed of at a solid waste landfill. The cost estimate to properly dispose of the petroleum-contaminated soil is $260,000. Because the petroleum-contaminated soils are located in the vicinity of the proposed stormwater detention area, Environmental Services recommends that the bottom of the excavated stormwater detention area be lined with a compacted, two-foot clay liner to prevent petroleum contamination from contacting stormwater. A report detailing the cost estimate to line the bottom of the detention area is presented in Attachment 8.

Based on the available information, Environmental Services believes that some form of onsite remediation of the petroleum-contaminated soils will be required even if the contaminated soils are not disturbed. If a decision is made not to disturb these soils, additional investigation activities will be required to determine if leaving the contaminated soil in-place will present a risk to human health or the environment.



Legend

Second Round Sampling Locations

Detention Pond

Original Proposed Detention Pond

Figure 4 - Round Two Sampling Locations

200 0 200 400 Feet

N

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DEH

Department of Environmental Health
Environmental Services Division

Table 2 - USEPA Round Two Labortory Results

URS Sample ID	EVS Sample ID	Arsenic Result	Lab flag	Cadmium result	lab flag	Lead result	lab flag	units
HPSB45A	SB045 3-6	24.7		9.1		4.4	E	mg/kg
HPSB55A	SB055 3-6	25.9		1.2		28.2	E	mg/kg
HPSB55B	SB055 6-9	15.9		6.5		2.8	E	mg/kg
HPSB56A	SB056 3-6	**80.5**		1.5		247	E	mg/kg
HPSB56B	SB056 6-9	16.1		2.6		4.1	E	mg/kg
HPSB56C	SB056 9-12	**73.9**		1.7		1.9	E	mg/kg
HPSB62A	SB062 3-6	1.3		6.8		6.4	E	mg/kg
HPSB62B	SB062 6-9	1.2		7.9		5.4	E	mg/kg
HPSB62C	SB062 9-12	0.91	B			6.1	E	mg/kg
HPSB62D	SB062 12-15	68.4		55.1		3.2	E	mg/kg
HPSB63A	SB063 3-6	23.6				51.6	E	mg/kg
HPSB63B	SB063 6-9	61.7				4.7	E	mg/kg
HPSB64A	SB064 3-6	17.6		18.2		10.5	E	mg/kg
HPSB65A	SB065 3-6	14		11.3		10.2	E	mg/kg
HPSB65B	SB065 6-9	34.6		2.8		2.3	E	mg/kg
HPSB66A	SB066 3-6	62.6		2.8		219	E	mg/kg
HPSB66B	SB066 6-9	16.9		52.1	*	2.2	E	mg/kg
HPSB67A	SB067 3-6	46.1		0.24	B*	113	E	mg/kg
HPSB67B	SB067 6-9	3.9			*	10.7	E	mg/kg
HPSB68A	SB068 3-6	1.6		13.1	*	5.6	E	mg/kg
HPSB68B	SB068 6-9	41.5	E	33.5	*	3.5	N	mg/kg
HPSB68C	SB068 9-12	27.5	E	50.1	*	20.3	N	mg/kg
HPSB69A	SB069 3-6	2	E	53.5	*	73.1	N	mg/kg
HPSB69B	SB069 6-9	32.4	E	7.5	*	85.4	N	mg/kg
HPSB69C	SB069 9-12	1.2	E		*	4.8	N	mg/kg
HPSB69D	SB069 12-15	6.6	E	21.6	*	5.1	N	mg/kg
HPSB69E	SB069 15-18	**126**	E	1.2	*	12.6	N	mg/kg
HPSB72A	SB072 3-6	32.3	E	4	*	236	N	mg/kg
HPSB72B	SB072 6-9	47.3	E	3.3	*	237	N	mg/kg
HPSB72C	SB072 9-12	19.3	E	0.03	B*	168	N	mg/kg
HPSB72E	SB072 15-18	**339**	E	5.1	*	**1380**	N	mg/kg
HPSB72F	SB072 18-21	**77.8**	E	3.2	*	192	N	mg/kg
HPSB73A	SB073 3-6	10.6	E	8.5	*	48.4	N	mg/kg
HPSB73B	SB073 6-9	24	E	4.3	*	110	N	mg/kg
HPSB73C	SB073 9-12	0.46	BE	2.1	*	1.4	N	mg/kg
HPSB73D	SB073 12-15	0.44	BE	65.7	*	1.9	N	mg/kg
HPSB73E	SB073 15-18	3	E	14.4		3.1	N	mg/kg
HPSB74A	SB074 3-6	8.1	E	4.3		77.7	N	mg/kg
HPSB74B	SB074 6-9	8.7	E	0.08	B	179	N	mg/kg
HPSB74C	SB074 9-12	2.7	E	8.4		39.7	N	mg/kg
HPSB74D	SB074 12-15	**114**		0.02	U	143	*	mg/kg
HPSB78A	SB078 3-6	1.3		7.1		11	*	mg/kg
HPSB78B	SB078 6-9	**127**		16.8		319	*	mg/kg
HPSB79A	SB079 3-6	29.6		18.5		127	*	mg/kg
HPSB79B	SB079 6-9	**131**		21.5		310	*	mg/kg
HPSB79D	SB079 12-15	10.3		11.4		24	*	mg/kg
HPSB80A	SB080 3-6	**149**				**445**	*	mg/kg
HPSB80B	SB080 6-9	5.6		68.7		10.5	*	mg/kg
HPSB81A	SB081 3-6	**160**		16.4		**707**	*	mg/kg
HPSB81B	SB081 6-9	1.7		4.3		2.9	*	mg/kg
HPSB82A	SB082 3-6	2.8		0.02	U	40.2	*	mg/kg
HPSB82C	SB082 9-12	45.9		1.2		82.2	*	mg/kg
HPSB82D	SB082 12-15	1.1	B	1.9		5	*	mg/kg
HPSB83A	SB083 3-6	2		3.5		16.5	*	mg/kg
HPSB83B	SB083 6-9	4.2		2.5		34	*	mg/kg
HPSB86B	SB086 6-9	17.1		0.98		**487**	*	mg/kg
HPSB86C	SB086 9-12	**367**		7.5		229	*	mg/kg

Table 2 - USEPA Round Two Labortory Results

HPSB86D	SB086 12-15	**409**		8.2		181	*	mg/kg
HPSB86E	SB086 15-18	**77.7**		2.4		54.2	*	mg/kg
HPSB91A	SB091 3-6	**343**		25.4		9.8	*	mg/kg
HPSB91B	SB091 6-9	48.4		12.2		8.9		mg/kg
HPSB91C	SB091 9-12	4.7		17.1		6.1		mg/kg
HPSB91D	SB091 12-15	10		0.02	U	13.6		mg/kg
HPSB92A	SB092 3-6	8.3		0.02	U	44.7		mg/kg
HPSB92B	SB092 6-9	10.1		0.02	U	**429**		mg/kg
HPSB92C	SB092 9-12	4.1		12		90.3		mg/kg
HPSB92D	SB092 12-15	1.2		51.9		2.4		mg/kg
HPSB93A	SB093 3-6	6.1		12.6		55.3		mg/kg
HPSB93C	SB093 9-12							mg/kg
HPSB98A	SB098 3-6	35.8		36.7		354		mg/kg
HPSB98B	SB098 6-9	**81.6**		13.7		283		mg/kg
HPSB98D	SB098 12-15	55.8		65.1		39.8		mg/kg
HPSB99A	SB099 3-6	2.3		6.8		8.7		mg/kg
HPSB99B	SB099 6-9	6.2		67.8		73.4		mg/kg
HPSB99C	SB099 9-12	1.2		41.5		5.7		mg/kg
HPSB99D	SB099 12-15	0.3	B	0.02	U	3.2		mg/kg

Note:

E = Reported value is estimated because of the presence of interference.

N = Spiked sample recovery not within control limits.

B = Reported value was obtained from a reading that was less than the Contract Required Detection Limit but greater than or equal to the Instrument Detection Limit.

* = Duplicate anlysis not within control limits.

Table 3-Combined Laboratory Data

SB047 2-3	DEH	SB047 2-3	2-3	2.60			0.58			25.30			mg/kg
SB048 2-3	DEH	SB048 2-3	2-3	2.00			0.33			11.70			mg/kg
SB049 2-3	DEH	SB049 2-3	2-3	22.50			30.10			488.00			mg/kg
SB050 2-3	DEH	SB050 2-3	2-3	1.90			0.49			15.80			mg/kg
SB051 2-3	DEH	SB051 2-3	2-3	3.90			3.20			72.60			mg/kg
SB052 2-3	DEH	SB052 2-3	2-3	119.00			37.50			5140.00			mg/kg
SB053 3-5	DEH	SB053 3-5	3-5		ND			ND		2.40			mg/kg
SB054 2-3	DEH	SB054 2-3	2-3	7.00			7.90			46.60			mg/kg
SB055 1-3	DEH	SB055 1-3	1-3	131.00			59.10			700.00			mg/kg
SB056 2-3	DEH	SB056 2-3	2-3	2.40			1.30			19.10			mg/kg
SB057 1-2	DEH	SB057 1-2	1-2	24.90			40.50			138.00			mg/kg
SB058 3-4	DEH	SB058 3-4	3-4	13.00			11.20			87.40			mg/kg
SB059 3-4	DEH	SB059 3-4	3-4	3.30			0.59			9.60			mg/kg
SB060 2-3	DEH	SB060 2-3	2-3	5.60			1.60			153.00			mg/kg
SB061 2-3	DEH	SB061 2-3	2-3	6.70			7.00			64.60			mg/kg
SB062 2-3	DEH	SB062 2-3	2-3	1.90			0.28			15.80			mg/kg
SB063 3-4	DEH	SB063 3-4	3-4	104.00			120.00			494.00			mg/kg
SB064 2-3	DEH	SB064 2-3	2-3	120.00			30.20			604.00			mg/kg
SB065 3-4	DEH	SB065 3-4	3-4	44.60			29.50			181.00			mg/kg
SB066 3-4	DEH	SB066 3-4	3-4	41.50			4.30			29.70			mg/kg
SB067 2-3	DEH	SB067 2-3	2-3	1.00				ND		13.30			mg/kg
SB068 2-3	DEH	SB068 2-3	2-3	2.20			0.29			8.10			mg/kg
SB069 3-6	DEH	SB069 3-6	3-6	3.10			0.37			87.00			mg/kg
SB070 3-5	DEH	SB070 3-5	3-5	3.50			0.56			107.00			mg/kg
SB071 2-3	DEH	SB071 2-3	2-3	5.80			5.40			65.70			mg/kg
SB072 3-4	DEH	SB072 3-4	3-4	25.70			25.40			352.00			mg/kg
SB073 3-4	DEH	SB073 3-4	3-4	1030.00			[illegible]			[illegible]			mg/kg
SB074 3-4	DEH	SB074 3-4	3-4	3.20			1.20			20.10			mg/kg
SB075 9-12	DEH	SB075 9-12	9-12	3.70			2.30			39.40			mg/kg
SB076 3-4	DEH	SB076 3-4	3-4	2.00			0.42			14.20			mg/kg
SB077 2-3	DEH	SB077 2-3	2-3	4.80			3.40			72.50			mg/kg
SB078 2-3	DEH	SB078 2-3	2-3	7.10			2.70			61.90			mg/kg
SB079 3-4	DEH	SB079 3-4	3-4	11.40			4.00			44.50			mg/kg
SB080 2-3	DEH	SB080 2-3	2-3	1.10			1.00			196.00			mg/kg
SB081 2-3	DEH	SB081 2-3	2-3	10.30			16.10			76.10			mg/kg
SB082 3-4	DEH	SB082 3-4	3-4		ND		0.33			10.80			mg/kg
SB083 2-3	DEH	SB083 2-3	2-3	4.80			0.28			9.60			mg/kg
SB084 3-4	DEH	SB084 3-4	3-4	6.90			3.20			44.70			mg/kg
SB085 3-4	DEH	SB085 3-4	3-4	3.70			2.10			39.90			mg/kg
SB086 2-3	DEH	SB086 2-3	2-3	6.70			6.10			46.10			mg/kg
SB089 3-4	DEH	SB089 3-4	3-4	63.30			35.00			153.00			mg/kg
SB090 2-3	DEH	SB090 2-3	2-3	2.20			0.25			40.50			mg/kg
SB091 2-3	DEH	SB091 2-3	2-3	396.00			108.00			698.00			mg/kg
SB092 2-3	DEH	SB092 2-3	2-3	23.40			12.00			933.00			mg/kg
SB093 3-4	DEH	SB093 3-4	3-4	3.50			2.70			24.90			mg/kg
SB094 3-4	DEH	SB094 3-4	3-4	1.60			0.23			7.40			mg/kg
SB095 3-4	DEH	SB095 3-4	3-4	2.10			0.34			16.00			mg/kg
SB096 2-3	DEH	SB096 2-3	2-3	3.30			0.42			41.10			mg/kg

Table 3-Combined Laboratory Data

SB047 2-3	DEH	SB047 2-3	2-3	2.60			0.58			25.30			mg/kg
SB048 2-3	DEH	SB048 2-3	2-3	2.00			0.33			11.70			mg/kg
SB049 2-3	DEH	SB049 2-3	2-3	22.50			30.10			468.00			mg/kg
SB050 2-3	DEH	SB050 2-3	2-3	1.90			0.49			15.80			mg/kg
SB051 2-3	DEH	SB051 2-3	2-3	3.90			3.20			72.60			mg/kg
SB052 2-3	DEH	SB052 2-3	2-3	119.00			37.50			5140.00			mg/kg
SB053 3-5	DEH	SB053 3-5	3-5		ND			ND		2.40			mg/kg
SB054 2-3	DEH	SB054 2-3	2-3	7.00			7.90			46.60			mg/kg
SB055 1-3	DEH	SB055 1-3	1-3	131.00			59.10			700.00			mg/kg
SB056 2-3	DEH	SB056 2-3	2-3	2.40			1.30			19.10			mg/kg
SB057 1-2	DEH	SB057 1-2	1-2	24.90			40.50			138.00			mg/kg
SB058 3-4	DEH	SB058 3-4	3-4	13.00			11.20			87.40			mg/kg
SB059 3-4	DEH	SB059 3-4	3-4	3.30			0.59			9.60			mg/kg
SB060 2-3	DEH	SB060 2-3	2-3	5.60			1.60			153.00			mg/kg
SB061 2-3	DEH	SB061 2-3	2-3	6.70			7.00			64.60			mg/kg
SB062 2-3	DEH	SB062 2-3	2-3	1.90			0.28			15.80			mg/kg
SB063 3-4	DEH	SB063 3-4	3-4	104.00			120.00			494.00			mg/kg
SB064 2-3	DEH	SB064 2-3	2-3	120.00			30.20			604.00			mg/kg
SB065 3-4	DEH	SB065 3-4	3-4	44.60			29.50			181.00			mg/kg
SB066 3-4	DEH	SB066 3-4	3-4	41.50			4.30			29.70			mg/kg
SB067 2-3	DEH	SB067 2-3	2-3	1.00				ND		13.30			mg/kg
SB068 2-3	DEH	SB068 2-3	2-3	2.20			0.29			8.10			mg/kg
SB069 3-6	DEH	SB069 3-6	3-6	3.10			0.37			87.00			mg/kg
SB070 3-5	DEH	SB070 3-5	3-5	3.50			0.56			107.00			mg/kg
SB071 2-3	DEH	SB071 2-3	2-3	5.80			5.40			65.70			mg/kg
SB072 3-4	DEH	SB072 3-4	3-4	25.70			25.40			352.00			mg/kg
SB073 3-4	DEH	SB073 3-4	3-4	1030.00			[illegible]			[illegible]			mg/kg
SB074 3-4	DEH	SB074 3-4	3-4	3.20			1.20			20.10			mg/kg
SB075 9-12	DEH	SB075 9-12	9-12	3.70			2.30			39.40			mg/kg
SB076 3-4	DEH	SB076 3-4	3-4	2.00			0.42			14.20			mg/kg
SB077 2-3	DEH	SB077 2-3	2-3	4.80			3.40			72.50			mg/kg
SB078 2-3	DEH	SB078 2-3	2-3	7.10			2.70			61.90			mg/kg
SB079 3-4	DEH	SB079 3-4	3-4	11.40			4.00			44.50			mg/kg
SB080 2-3	DEH	SB080 2-3	2-3	1.10			1.00			196.00			mg/kg
SB081 2-3	DEH	SB081 2-3	2-3	10.30			16.10			76.10			mg/kg
SB082 3-4	DEH	SB082 3-4	3-4		ND		0.33			10.80			mg/kg
SB083 2-3	DEH	SB083 2-3	2-3	4.80			0.28			9.60			mg/kg
SB084 3-4	DEH	SB084 3-4	3-4	6.90			3.20			44.70			mg/kg
SB085 3-4	DEH	SB085 3-4	3-4	3.70			2.10			39.90			mg/kg
SB086 2-3	DEH	SB086 2-3	2-3	6.70			6.10			46.10			mg/kg
SB089 3-4	DEH	SB089 3-4	3-4	63.30			35.00			153.00			mg/kg
SB090 2-3	DEH	SB090 2-3	2-3	2.20			0.25			40.50			mg/kg
SB091 2-3	DEH	SB091 2-3	2-3	396.00			[illegible]			698.00			mg/kg
SB092 2-3	DEH	SB092 2-3	2-3	23.40			12.00			933.00			mg/kg
SB093 3-4	DEH	SB093 3-4	3-4	3.50			2.70			24.90			mg/kg
SB094 3-4	DEH	SB094 3-4	3-4	1.60			0.23			7.40			mg/kg
SB095 3-4	DEH	SB095 3-4	3-4	2.10			0.34			16.00			mg/kg
SB096 2-3	DEH	SB096 2-3	2-3	3.30			0.42			41.10			mg/kg

Table 3 Combined Laboratory Data

SB097 2-3	DEH	SB097 2-3	2-3	3.20			0.49			27.40			mg/kg
SB098 2-3	DEH	SB098 2-3	2-3	1.30			0.26			14.20			mg/kg
SB099 2-3	DEH	SB099 2-3	2-3	5.10			0.74			13.30			mg/kg
SB100 2-3	DEH	SB100 2-3	2-3	76.10			48.80			806.00			mg/kg
SB101 2-3	DEH	SB101 2-3	2-3	4.30			0.64			13.80			mg/kg
SB102 2-3	DEH	SB102 2-3	2-3	14.00			31.40			48.20			mg/kg
SB103 2-3	DEH	SB103 2-3	2-3	7.10			4.10			50.40			mg/kg
SB104 2-3	DEH	SB104 2-3	2-3	3.20			2.10			10.90			mg/kg
SB105 3-4	DEH	SB105 3-4	3-4	9.30			1.30			6.70			mg/kg
SB106 2-3	DEH	SB106 2-3	2-3	105.00			24.20			2280.00			mg/kg
SB107 3-4	DEH	SB107 3-4	3-4	13.90			10.70			272.00			mg/kg
SB108 2-3	DEH	SB108 2-3	2-3	3.10			0.34			17.00			mg/kg
SB109 2-3	DEH	SB109 2-3	2-3	2.20			0.26			12.80			mg/kg
SB110 2-3	DEH	SB110 2-3	2-3	3.80			0.34			11.80			mg/kg
SB111 2-3	DEH	SB111 2-3	2-3	3.30			0.78			18.70			mg/kg
SB112 3-4	DEH	SB112 3-4	3-4	3.40			2.50			34.40			mg/kg
SB113 3-4	DEH	SB113 3-4	3-4	2.70				ND		7.70			mg/kg
SB114 2-3	DEH	SB114 2-3	2-3	4.20			6.30			28.40			mg/kg
SB115 2-3	DEH	SB115 2-3	2-3	187.00			[illegible]			440.00			mg/kg
SB116 3-4	DEH	SB116 3-4	3-4	21.90			33.70			293.00			mg/kg
SB117 1-2	DEH	SB117 1-2	1-2	23.40			2.80			672.00			mg/kg
SB118 7-9	DEH	SB118 7-9	7-9		ND			ND		2.00			mg/kg
SB119 3-6	DEH	SB119 3-6	3-6		ND			ND		1.80			mg/kg
SB120 3-6	DEH	SB120 3-6	3-6	2.90			0.65			11.10			mg/kg
SB121 3-6	DEH	SB121 3-6	3-6	[illegible]			[illegible]			[illegible]			mg/kg
SB122 3-6	DEH	SB122 3-6	3-6	34.80			[illegible]			10.80			mg/kg
SB123 3-6	DEH	SB123 3-6	3-6	10.20			3.10			57.00			mg/kg
SB001 1-2	DEH	SB001 1-2	1-2		ND		0.13				ND		mg/L
SB001 12-15	DEH	SB001 12-15	12-15		ND			ND			ND		mg/L
SB002 2-3	DEH	SB002 2-3	2-3		ND			ND			ND		mg/L
SB003 1-2	DEH	SB003 1-2	1-2		ND			ND			ND		mg/L
SB003 9-12	DEH	SB003 9-12	9-12		ND			ND			ND		mg/L
SB004 2-3	DEH	SB004 2-3	2-3		ND			ND			ND		mg/L
SB004 7-9	DEH	SB004 7-9	7-9		ND			ND			ND		mg/L
SB005 2-3	DEH	SB005 2-3	2-3		ND		0.14				ND		mg/L
SB005 6-9	DEH	SB005 6-9	6-9		ND			ND			ND		mg/L
SB006 3-5	DEH	SB006 3-5	3-5		ND		0.76				ND		mg/L
SB007 2-3	DEH	SB007 2-3	2-3		ND		0.15				ND		mg/L
SB007 6-9	DEH	SB007 6-9	6-9		ND			ND			ND		mg/L
SB008 1-2	DEH	SB008 1-2	1-2	1.50			[illegible]				ND		mg/L
SB009 1-2	DEH	SB009 1-2	1-2		ND			ND			ND		mg/L
SB009 6-9	DEH	SB009 6-9	6-9		ND		0.20				ND		mg/L
SB010 1-2	DEH	SB010 1-2	1-2	0.76			0.89				ND		mg/L
SB011 1-2	DEH	SB011 1-2	1-2		ND		0.65				ND		mg/L
SB011 7-9	DEH	SB011 7-9	7-9		ND		0.11				ND		mg/L
SB012 1-2	DEH	SB012 1-2	1-2		ND		0.28				ND		mg/L
SB012 6-8	DEH	SB012 6-8	6-8		ND		0.11				ND		mg/L
SB013 6-8	DEH	SB013 6-8	6-8		ND		0.17				ND		mg/L

Table 3-Combined Laboratory Data

SB014 2-3	DEH	SB014 2-3	2-3		ND			ND			ND		mg/L
SB014 7-9	DEH	SB014 7-9	7-9		ND			ND			ND		mg/L
SB015 1-2	DEH	SB015 1-2	1-2		ND			ND			ND		mg/L
SB015 6-9	DEH	SB015 6-9	6-9		ND			ND			ND		mg/L
SB016 1-3	DEH	SB016 1-3	1-3		ND			ND			ND		mg/L
SB016 6-8	DEH	SB016 6-8	6-8		ND			ND			ND		mg/L
SB017 1-2	DEH	SB017 1-2	1-2		ND			ND			ND		mg/L
SB017 9-11	DEH	SB017 9-11	9-11		ND			ND			ND		mg/L
SB018 1-2	DEH	SB018 1-2	1-2		ND			ND			ND		mg/L
SB018 6-9	DEH	SB018 6-9	6-9		ND			ND			ND		mg/L
SB019 1-2	DEH	SB019 1-2	1-2		ND			ND			ND		mg/L
SB019 6-8	DEH	SB019 6-8	6-8		ND			ND			ND		mg/L
SB020 6-8	DEH	SB020 6-8	6-8		ND			ND			ND		mg/L
SB021 3-5	DEH	SB021 3-5	3-5		ND			ND			ND		mg/L
SB024 6-8	DEH	SB024 6-8	6-8		ND		0.79			1.00			mg/L
SB025 1-2	DEH	SB025 1-2	1-2		ND		0.92				ND		mg/L
SB025 3-6	DEH	SB025 3-6	3-6		ND			ND			ND		mg/L
SB027 1-2	DEH	SB027 1-2	1-2	2.80			[redacted]				ND		mg/L
SB028 1-2	DEH	SB028 1-2	1-2		ND		[redacted]				ND		mg/L
SB028 6-8	DEH	SB028 6-8	6-8		ND		0.21				ND		mg/L
SB029 1-2	DEH	SB029 1-2	1-2		ND		[redacted]			0.95			mg/L
SB029 6-8	DEH	SB029 6-8	6-8		ND		0.11			2.50			mg/L
SB031 3-5	DEH	SB031 3-5	3-5		ND			ND		0.78			mg/L
SB032 4-6	DEH	SB032 4-6	4-6		ND		0.51			0.91			mg/L
SB033 4-6	DEH	SB033 4-6	4-6		ND			ND			ND		mg/L
SB034 1-2	DEH	SB034 1-2	1-2		ND		[redacted]			1.20			mg/L
SB035 1-2	DEH	SB035 1-2	1-2		ND			ND			ND		mg/L
SB035 6-8	DEH	SB035 6-8	6-8		ND			ND			ND		mg/L
SB036 1-2	DEH	SB036 1-2	1-2		ND		0.84			1.60			mg/L
SB036 6-8	DEH	SB036 6-8	6-8		ND			ND			ND		mg/L
SB037 1-2	DEH	SB037 1-2	1-2		ND			ND			ND		mg/L
SB037 3-6	DEH	SB037 3-6	3-6		ND			ND			ND		mg/L
SB038 1-2	DEH	SB038 1-2	1-2		ND			ND			ND		mg/L
SB042 3-6	DEH	SB042 3-6	3-6		ND		0.62				ND		mg/L
SB043 1-2	DEH	SB043 1-2	1-2		ND		0.65				ND		mg/L
SB043 6-9	DEH	SB043 6-9	6-9		ND			ND			ND		mg/L
SB044 1-2	DEH	SB044 1-2	1-2	0.96			0.79				ND		mg/L
SB044 6-9	DEH	SB044 6-9	6-9		ND			ND			ND		mg/L
SB045 1-2	DEH	SB045 1-2	1-2	1.00			[redacted]				ND		mg/L
SB045 3-6	DEH	SB045 3-6	3-6		ND		0.18				ND		mg/L
SB046 1-2	DEH	SB046 1-2	1-2		ND		0.14				ND		mg/L
SB046 6-9	DEH	SB046 6-9	6-9		ND			ND			ND		mg/L
SB047 1-2	DEH	SB047 1-2	1-2		ND			ND			ND		mg/L
SB047 3-6	DEH	SB047 3-6	3-6		ND		0.21			0.93			mg/L
SB048 3-6	DEH	SB048 3-6	3-6		ND			ND			ND		mg/L
SB049 6-9	DEH	SB049 6-9	6-9		ND		0.29				ND		mg/L
SB050 6-9	DEH	SB050 6-9	6-9		ND		0.26				ND		mg/L
SB051 1-2	DEH	SB051 1-2	1-2		ND			ND			ND		mg/L

Table 3-Combined Laboratory Data

SB051 3-6	DEH	SB051 3-6	3-6		ND			ND		[illegible]			mg/L
SB052 1-2	DEH	SB052 1-2	1-2		ND		0.11			3.90			mg/L
SB052 3-6	DEH	SB052 3-6	3-6		ND		0.28			0.64			mg/L
SB053 1-2	DEH	SB053 1-2	1-2		ND			ND			ND		mg/L
SB053 6-9	DEH	SB053 6-9	6-9		ND			ND			ND		mg/L
SB060 4-6	DEH	SB060 4-6	4-6		ND		0.14				ND		mg/L
SB061 4-6	DEH	SB061 4-6	4-6		ND			ND			ND		mg/L
SB063 9-11	DEH	SB063 9-11	9-11		ND		0.65				ND		mg/L
SB064 6-8	DEH	SB064 6-8	6-8		ND		0.95				ND		mg/L
SB070 18-20	DEH	SB070 18-20	18-20		ND		1.00				ND		mg/L
SB070 9-12	DEH	SB070 9-12	9-12		ND			ND			ND		mg/L
SB071 3-6	DEH	SB071 3-6	3-6		ND			ND			ND		mg/L
SB072 12-15	DEH	SB072 12-15	12-15		ND		0.29				ND		mg/L
SB074 15-17	DEH	SB074 15-17	15-17		ND		0.12				ND		mg/L
SB075 18-21	DEH	SB075 18-21	18-21		ND			ND		0.55			mg/L
SB077 6-9	DEH	SB077 6-9	6-9		ND			ND			ND		mg/L
SB078 9-12	DEH	SB078 9-12	9-12		ND		0.10				ND		mg/L
SB079 9-12	DEH	SB079 9-12	9-12		ND		0.10				ND		mg/L
SB082 6-9	DEH	SB082 6-9	6-9		ND			ND			ND		mg/L
SB084 9-12	DEH	SB084 9-12	9-12		ND		0.30				ND		mg/L
SB085 9-12	DEH	SB085 9-12	9-12		ND		0.49				ND		mg/L
SB086 4-6	DEH	SB086 4-6	4-6		ND			ND			ND		mg/L
SB093 6-9	DEH	SB093 6-9	6-9		ND		0.89			2.20			mg/L
SB098 9-12	DEH	SB098 9-12	9-12	1.40			[illegible]				ND		mg/L
SB100 6-9	DEH	SB100 6-9	6-9		ND		[illegible]				ND		mg/L
SB101 3-6	DEH	SB101 3-6	3-6		ND		[illegible]				ND		mg/L
SB103 3-6	DEH	SB103 3-6	3-6	0.55			0.27				ND		mg/L
SB108 6-9	DEH	SB108 6-9	6-9		ND		[illegible]			1.60			mg/L
SB109 5-6	DEH	SB109 5-6	5-6	0.55			[illegible]			0.61			mg/L
SB111 3-6	DEH	SB111 3-6	3-6		ND			ND			ND		mg/L
SB112 9-11	DEH	SB112 9-11	9-11		ND			ND			ND		mg/L
SB115 6-9	DEH	SB115 6-9	6-9		ND		0.17				ND		mg/L
SB116 9-12	DEH	SB116 9-12	9-12		ND			ND			ND		mg/L
SB117 3-6	DEH	SB117 3-6	3-6		ND			ND			ND		mg/L
SB118 1-2	DEH	SB118 1-2	1-2		ND		0.44				ND		mg/L
SB119 1-2	DEH	SB119 1-2	1-2		ND		[illegible]				ND		mg/L
SB120 1-2	DEH	SB120 1-2	1-2		ND		0.85				ND		mg/L
SB121 1-2	DEH	SB121 1-2	1-2	1.50			[illegible]			0.63			mg/L
SB122 1-2	DEH	SB122 1-2	1-2		ND		0.55				ND		mg/L
SB123 1-2	DEH	SB123 1-2	1-2		ND		0.11				ND		mg/L
HPSB45A	USEPA	SB045 3-6		24.70			9.10			4.40		E	mg/kg
HPSB55A	USEPA	SB055 3-6		25.90			1.20			28.20		E	mg/kg
HPSB55B	USEPA	SB055 6-9		15.90			6.50			2.80		E	mg/kg
HPSB56A	USEPA	SB056 3-6		80.50			1.50			247.00		E	mg/kg
HPSB56B	USEPA	SB056 6-9		16.10			2.60			4.10		E	mg/kg
HPSB56C	USEPA	SB056 9-12		73.90			1.70			1.90		E	mg/kg
HPSB62A	USEPA	SB062 3-6		1.30			6.80			6.40		E	mg/kg
HPSB62B	USEPA	SB062 6-9		1.20			7.90			5.40		E	mg/kg

Table 3-Combined Laboratory Data

HPSB62C	USEPA	SB062 9-12		0.91		B	[redacted]			6.10		E	mg/kg
HPSB62D	USEPA	SB062 12-15		68.40			55.10			3.20		E	mg/kg
HPSB63A	USEPA	SB063 3-6		23.60			[redacted]			51.60		E	mg/kg
HPSB63B	USEPA	SB063 6-9		61.70			[redacted]			4.70		E	mg/kg
HPSB64A	USEPA	SB064 3-6		17.60			18.20			10.50		E	mg/kg
HPSB65A	USEPA	SB065 3-6		14.00			11.30			10.20		E	mg/kg
HPSB65B	USEPA	SB065 6-9		34.60			2.80			2.30		E	mg/kg
HPSB66A	USEPA	SB066 3-6		62.60			2.80			219.00		E	mg/kg
HPSB66B	USEPA	SB066 6-9		16.90			52.10		*	2.20		E	mg/kg
HPSB67A	USEPA	SB067 3-6		46.10			0.24		B*	113.00		E	mg/kg
HPSB67B	USEPA	SB067 6-9		3.90			[redacted]		*	10.70		E	mg/kg
HPSB68A	USEPA	SB068 3-6		1.60			13.10		*	5.60		E	mg/kg
HPSB68B	USEPA	SB068 6-9		41.50		E	33.50		*	3.50		N	mg/kg
HPSB68C	USEPA	SB068 9-12		27.50		E	50.10		*	20.30		N	mg/kg
HPSB69A	USEPA	SB069 3-6		2.00		E	53.50		*	73.10		N	mg/kg
HPSB69B	USEPA	SB069 6-9		32.40		E	7.50		*	85.40		N	mg/kg
HPSB69C	USEPA	SB069 9-12		1.20		E	[redacted]		*	4.80		N	mg/kg
HPSB69D	USEPA	SB069 12-15		6.60		E	21.60		*	5.10		N	mg/kg
HPSB69E	USEPA	SB069 15-18		126.00		E	1.20		*	12.60		N	mg/kg
HPSB72A	USEPA	SB072 3-6		32.30		E	4.00		*	236.00		N	mg/kg
HPSB72B	USEPA	SB072 6-9		47.30		E	3.30		*	237.00		N	mg/kg
HPSB72C	USEPA	SB072 9-12		19.30		E	0.03		B*	168.00		N	mg/kg
HPSB72E	USEPA	SB072 15-18		339.00		E	5.10		*	1380.00		N	mg/kg
HPSB72F	USEPA	SB072 18-21		77.80		E	3.20		*	192.00		N	mg/kg
HPSB73A	USEPA	SB073 3-6		10.60		E	8.50		*	48.40		N	mg/kg
HPSB73B	USEPA	SB073 6-9		24.00		E	4.30		*	110.00		N	mg/kg
HPSB73C	USEPA	SB073 9-12		0.46		BE	2.10		*	1.40		N	mg/kg
HPSB73D	USEPA	SB073 12-15		0.44		BE	65.70		*	1.90		N	mg/kg
HPSB73E	USEPA	SB073 15-18		3.00		E	14.40			3.10		N	mg/kg
HPSB74A	USEPA	SB074 3-6		8.10		E	4.30			77.70		N	mg/kg
HPSB74B	USEPA	SB074 6-9		8.70		E	0.08		B	179.00		N	mg/kg
HPSB74C	USEPA	SB074 9-12		2.70		E	8.40			39.70		N	mg/kg
HPSB74D	USEPA	SB074 12-15		114.00			0.02		U	143.00		*	mg/kg
HPSB78A	USEPA	SB078 3-6		1.30			7.10			11.00		*	mg/kg
HPSB78B	USEPA	SB078 6-9		127.00			16.80			319.00		*	mg/kg
HPSB79A	USEPA	SB079 3-6		29.60			18.50			127.00		*	mg/kg
HPSB79B	USEPA	SB079 6-9		131.00			21.50			310.00		*	mg/kg
HPSB79D	USEPA	SB079 12-15		10.30			11.40			24.00		*	mg/kg
HPSB80A	USEPA	SB080 3-6		149.00			[redacted]			445.00		*	mg/kg
HPSB80B	USEPA	SB080 6-9		5.60			68.70			10.50		*	mg/kg
HPSB81A	USEPA	SB081 3-6		160.00			16.40			707.00		*	mg/kg
HPSB81B	USEPA	SB081 6-9		1.70			4.30			2.90		*	mg/kg
HPSB82A	USEPA	SB082 3-6		2.80			0.02		U	40.20		*	mg/kg
HPSB82C	USEPA	SB082 9-12		45.90			1.20			82.20		*	mg/kg
HPSB82D	USEPA	SB082 12-15		1.10		B	1.90			5.00		*	mg/kg
HPSB83A	USEPA	SB083 3-6		2.00			3.50			16.50		*	mg/kg
HPSB83B	USEPA	SB083 6-9		4.20			2.50			34.00		*	mg/kg
HPSB86B	USEPA	SB086 6-9		17.10			0.98			487.00		*	mg/kg

Table 3-Combined Laboratory Data

HPSB86C	USEPA	SB086 9-12		367.00			7.50			229.00		*	mg/kg
HPSB86D	USEPA	SB086 12-15		409.00			8.20			181.00		*	mg/kg
HPSB86E	USEPA	SB086 15-18		77.70			2.40			54.20		*	mg/kg
HPSB91A	USEPA	SB091 3-6		343.00			25.40			9.80		*	mg/kg
HPSB91B	USEPA	SB091 6-9		48.40			12.20			8.90			mg/kg
HPSB91C	USEPA	SB091 9-12		4.70			17.10			6.10			mg/kg
HPSB91D	USEPA	SB091 12-15		10.00			0.02		U	13.60			mg/kg
HPSB92A	USEPA	SB092 3-6		8.30			0.02		U	44.70			mg/kg
HPSB92B	USEPA	SB092 6-9		10.10			0.02		U	429.00			mg/kg
HPSB92C	USEPA	SB092 9-12		4.10			12.00			90.30			mg/kg
HPSB92D	USEPA	SB092 12-15		1.20			51.90			2.40			mg/kg
HPSB93A	USEPA	SB093 3-6		6.10			12.60			55.30			mg/kg
HPSB93C	USEPA	SB093 9-12		[illegible]			107.00			1740.00			mg/kg
HPSB98A	USEPA	SB098 3-6		35.80			36.70			354.00			mg/kg
HPSB98B	USEPA	SB098 6-9		81.60			13.70			283.00			mg/kg
HPSB98D	USEPA	SB098 12-15		55.80			65.10			39.80			mg/kg
HPSB99A	USEPA	SB099 3-6		2.30			6.80			8.70			mg/kg
HPSB99B	USEPA	SB099 6-9		6.20			67.80			73.40			mg/kg
HPSB99C	USEPA	SB099 9-12		1.20			41.50			5.70			mg/kg
HPSB99D	USEPA	SB099 12-15		0.30		B	0.02		U	3.20			mg/kg
HP-SB-001A	USEPA	SB001 3-6	3-6	9.80			4.20			140.00			mg/kg
HP-SB-005B	USEPA	SB005 6-9	6-9	146.00			15.80			[illegible]			mg/kg
HP-SB-017B	USEPA	SB017 6-9	6-9	15.30			10.50			63.40			mg/kg
HP-SB-021B	USEPA	SB021 6-9	6-9	8.30		B	0.15		U	12.70			mg/kg
HP-SB-023A	USEPA	SB023 3-6	3-6	136.00			[illegible]			[illegible]			mg/kg
HP-SB-024B	USEPA	SB024 6-9	6-9	51.00			22.20			844.00			mg/kg
HP-SB-029B	USEPA	SB029 6-9	6-9	14.00		B	4.20			452.00			mg/kg
HP-SB-031A	USEPA	SB031 3-6	3-6	255.00			50.90			[illegible]			mg/kg
HP-SB-032A	USEPA	SB032 3-6	3-6	58.80			44.90			1450.00			mg/kg
HP-SB-033A	USEPA	SB033 3-6	3-6	245.00			5.60			[illegible]			mg/kg
HP-SB-037A	USEPA	SB037 3-6	3-6	111.00			5.40			[illegible]			mg/kg
HP-SB-039A	USEPA	SB039 3-6	3-6	53.10			42.50			817.00			mg/kg
HP-SB-042AD	USEPA	SB042 3-15	3-15	173.00			[illegible]			[illegible]			mg/kg
HP-SB-046B	USEPA	SB046 6-9	6-9	28.20			95.60			2.00			mg/kg
HP-SB-051A	USEPA	SB051 3-6	3-6	415.00			34.00			[illegible]			mg/kg
HP-SB-051B	USEPA	SB051 6-9	6-9	361.00			32.00			[illegible]			mg/kg
HP-SB-052A	USEPA	SB052 3-6	3-6	149.00			26.40			[illegible]			mg/kg
HP-SB-061D	USEPA	SB061 12-15	12-15	150.00			28.90			15.90			mg/kg
HP-SB-072F	USEPA	SB072 15-18	15-18	64.30			59.30			61.70			mg/kg
HP-SB-078A	USEPA	SB078 3-6	3-6	1.90			0.14		U	8.90			mg/kg
HP-SB-081A	USEPA	SB081 3-6	3-6	266.00			1710.00			790.00			mg/kg
HP-SB-089A	USEPA	SB089 3-6	3-6	79.80			22.10			130.00			mg/kg
HP-SB-093B	USEPA	SB093 6-9	6-9	173.00			36.30			5010.00			mg/kg
HP-SB-093C	USEPA	SB093 9-12	9-12	[illegible]			125.00			1000.00			mg/kg
HP-SB-094CD	USEPA	SB094 9-15	9-15	69.90			23.00			363.00			mg/kg
HP-SB-098B	USEPA	SB098 6-9	6-9	151.00			[illegible]			520.00			mg/kg
HP-SB-098C	USEPA	SB098 9-12	9-12	270.00			252.00			301.00			mg/kg
HP-SB-099B	USEPA	SB099 6-9	6-9	18.40			13.40			90.20			mg/kg

Table 3-Combined Laboratory Data

HP-SB-101A	USEPA	SB101 3-6	3-6	54.70						170.00			mg/kg
HP-SB-103A	USEPA	SB103 3-6	3-6	**392.00**			48.50			**1150.00**			mg/kg
HP-SB-107A	USEPA	SB107 3-6	3-6	**134.00**			62.70			**456.00**			mg/kg
HP-SB-108A	USEPA	SB108 3-6	3-6	**138.00**			34.90			**1600.00**			mg/kg
HP-SB-108B	USEPA	SB108 6-9	6-9	**479.00**									mg/kg
HP-SB-108C	USEPA	SB108 9-12	9-12	**230.00**			38.00			**695.00**			mg/kg
HP-SB-109B	USEPA	SB109 6-9	6-9	**103.00**			10.00			200.00			mg/kg
HP-SB-111B	USEPA	SB111 6-9	6-9	**408.00**									mg/kg
HP-SB-111C	USEPA	SB111 9-12	9-12	**701.00**									mg/kg
HP-SB-115A	USEPA	SB115 3-6	3-6	**283.00**									mg/kg
HP-SB-118B	USEPA	SB118 6-9	6-9	**455.00**			32.80						mg/kg
HP-SB-118C	USEPA	SB118 9-12	9-12	**207.00**			8.10						mg/kg
HP-SB-122B	USEPA	SB122 6-9	6-9	11.80						26.60			mg/kg
HP-SB-123A	USEPA	SB123 3-6	3-6	**709.00**									mg/kg

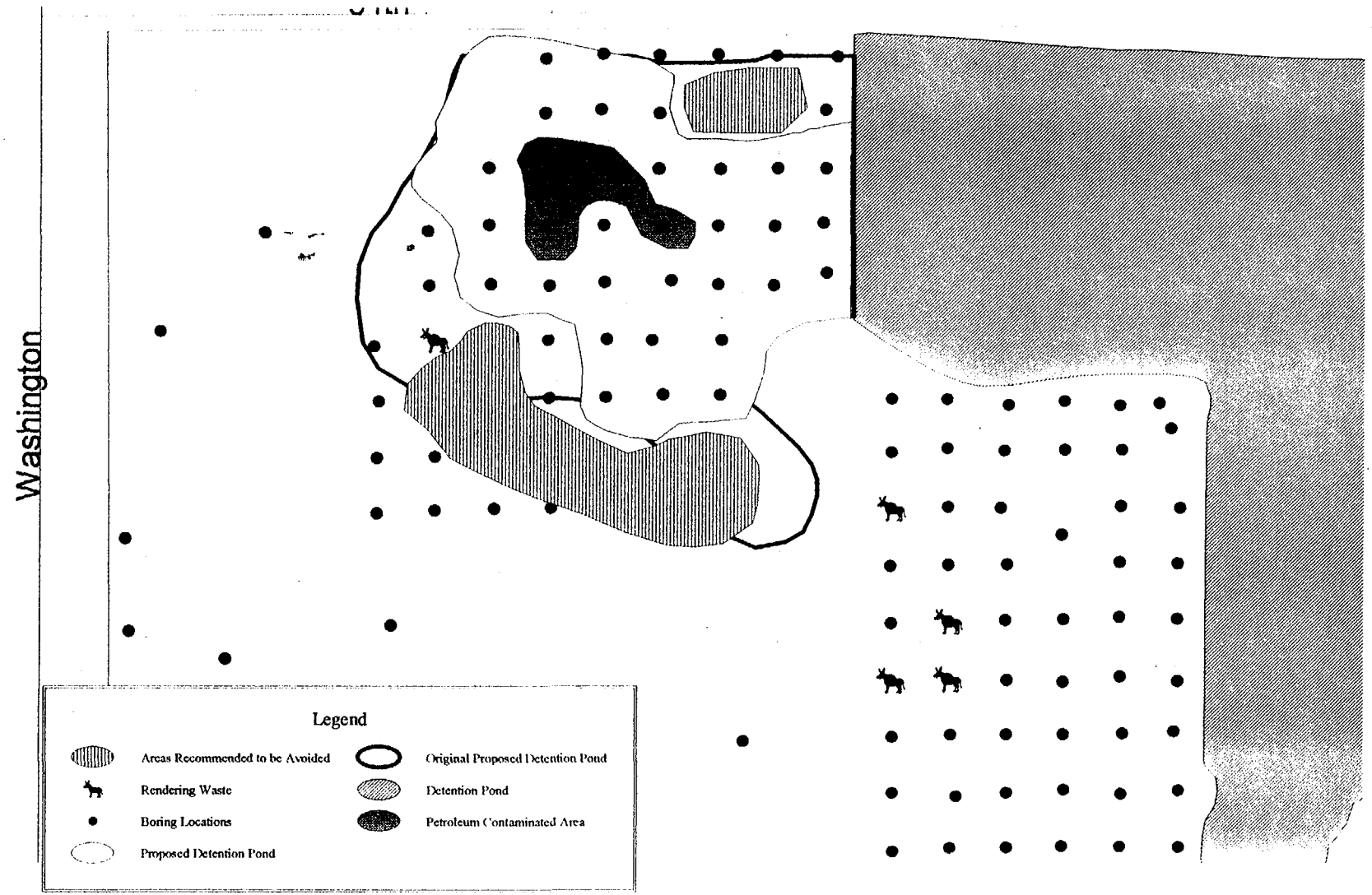

Figure 6 - Revised Lake Boundary

200 0 200 Feet

N

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DEH

Department of Environmental Health
Environmental Services Division

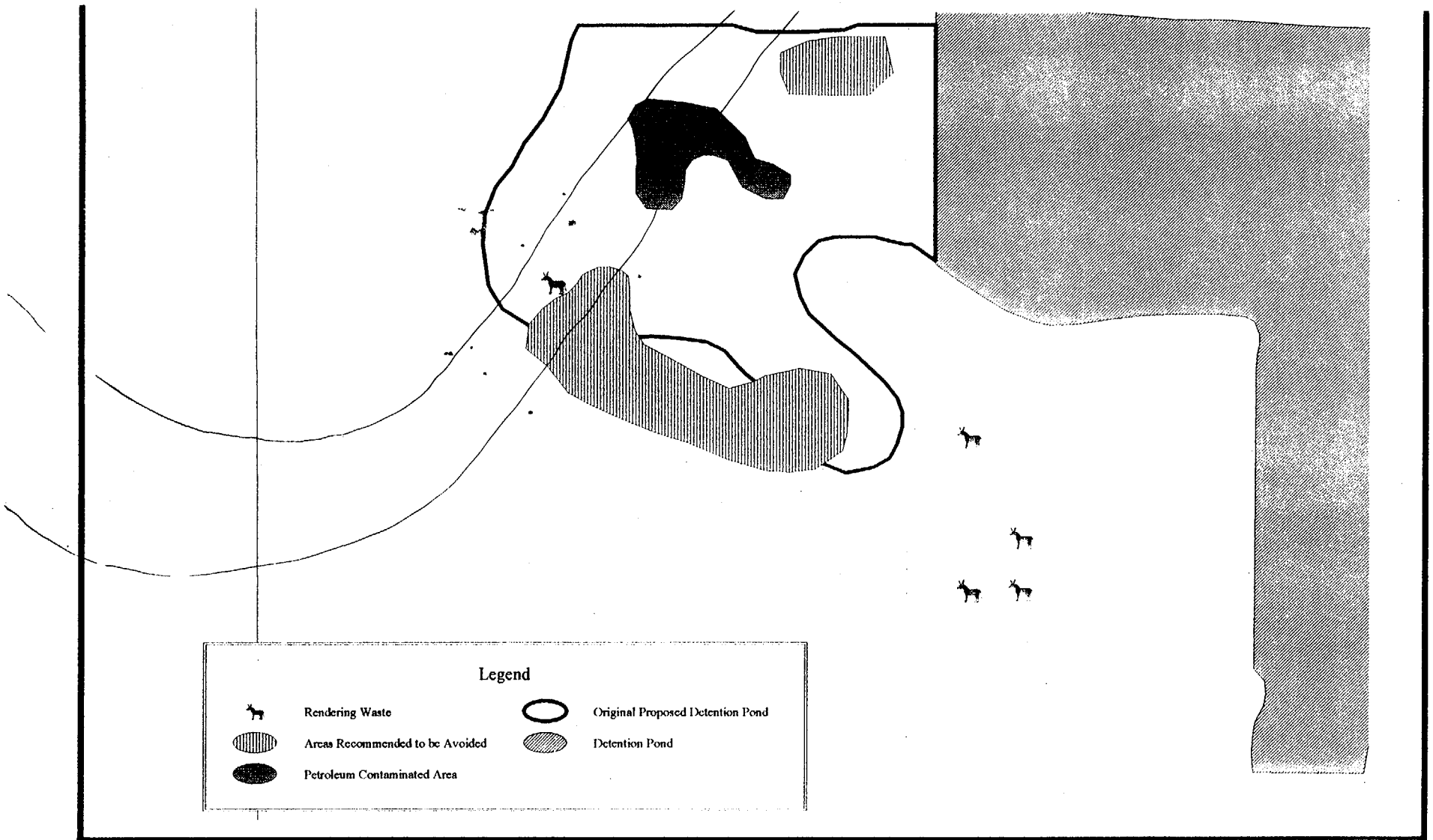

Figure 5 - Round Two Sample Results

200 0 200 400 Feet

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Department of Environmental Health
Environmental Services Division

RECOMMENDATIONS

Based on the results of the limited environmental investigation, Environmental Services believes this site is an acceptable risk from an environmental liability standpoint. This determination is based on the following points:

- Metals contamination of the soil and groundwater at the site has been addressed by the installation of a remediation cap.
- As long as the cap is not disturbed, Environmental Services believes the presence of the metals contamination is an acceptable environmental liability.
- If care is taken to avoid identified areas of concentrated metals-contaminated soils, a portion of the site can be used for stormwater detention.
- The site does not appear to be the source of any groundwater contamination.
- The site does not appear to contain buried drums or hazardous wastes.

There are some significant environmental costs associated with the purchase of this property. These costs include:

- Because of the presence of the metals-contaminated soil, the construction of the stormwater detention facility will cost an estimated $325,000 more than it would cost to construct a stormwater detention facility in an uncontaminated area.
- Approximately 11,000 cubic yards of petroleum-contaminated soil exist at the site. The cost to excavate and dispose of this material offsite is estimated to be $260,000. Even if the petroleum-contaminated soil is not disturbed during the construction of a stormwater detention facility, further investigation and possible remediation of this soil will be required.
- Because of the presence of buried meat-rendering waste at the site, the ability to use the site for stormwater detention or other improvements is limited. If stormwater detention is constructed at the site, it must be limited to the area designated.

LIMITED ENVIRONMENTAL INVESTIGATION

HELLER PROPERTY

FINAL REPORT

Prepared for

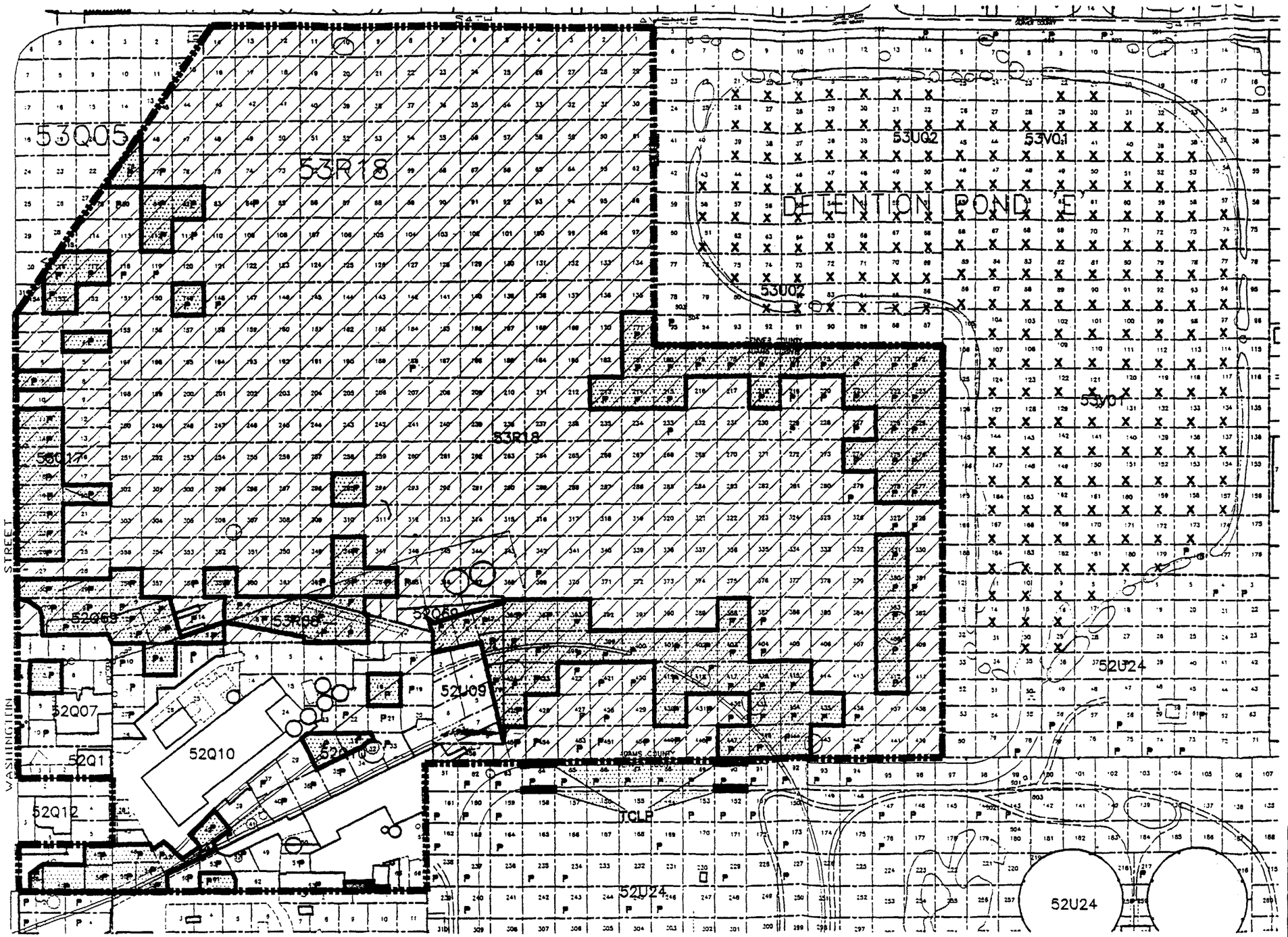
City and County of Denver
Asset Management
Annex I, 1445 Cleveland Place
Denver, Colorado 80202

Prepared by

City and County of Denver
Department of Environmental Health
Environmental Services Division
1391 Speer Street, Suite 700
Denver, Colorado 80204

April 1999

Appendices



DRAFT

JUN 11 1998

HELLER PROPERTIES REMEDIATED THROUGH 1997

P — SOIL SECTORS WHERE ONE OR MORE SAMPLE RESULTS WERE ABOVE ACTION LEVELS

X — SECTOR NOT SAMPLED

0"–12" SOIL SAMPLE RESULTS AT OR ABOVE THE 11/29/1994 CDPHE APPROVED TCLP CORRELATION VALUES

Metals	TCLP Correlation
As	1,200 ppm
Cd	71 ppm
Pb	1,685 ppm

HELLER PROPERTY BOUNDARY

53R18 — PROPERTY IDENTIFICATION NUMBER

N

0 80 160

SCALE IN FEET

ASARCO. Inc.

GLOBE PLANT, DENVER, COLORADO

PRIMARY, TCLP & REMEDIATED AREA FOR HELLER PROPERTIES

EnviroGroup Limited Englewood, Colorado

FIGURE 1	JUNE, 1998
AS-0115	

D:\DRAWINGS\AS-0115\SOILS\HELLERPROP-TCLP.dwg DWG, 06/10/98 at 15:40

(GLOBE15,16,20,21)

Analytical Results - Heller Properties

06/08/98

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
52Q07	004	A	DI-036	32	18	89	174	B		12/14/95
52Q07	004	B	DI-036	55	40	184	303	B		12/14/95
52Q07	005	A	DI-036	51	**94**	250	577	P		12/14/95
52Q07	005	B	DI-036	39	67	229	712	B		12/14/95
52Q07	005	E	DI-31	**93**	**198**	**667**	<0	P		11/20/97
	0-12" soil test = HAZ			TCLP Status = HAZ						
52Q07	006	A	DI-036	20	28	80	244	N		12/14/95
52Q07	006	B	DI-036	28	29	129	375	N		12/14/95
52Q07	007	A	DI-036	27	59	139	319	N		12/14/95
52Q07	007	B	DI-036	22	17	132	485	N		12/14/95
52Q07	008	A	DI-036	33	55	217	529	B		12/14/95
52Q07	008	B	DI-036	18	12	89	273	N		12/14/95
52Q07	009	A	DI-036	53	42	199	302	B		12/14/95
52Q07	009	B	DI-036	71	68	332	482	P		12/14/95
52Q07	010	A	DI-036	43	**92**	155	261	P		12/14/95
52Q07	010	B	DI-036	24	72	123	195	N		12/14/95
52Q07	010	E	DI-31	47	52	318	<0	B		11/20/97
	0-12" soil test = OK									
52Q10	001	A	DI-037	31	**75**	221	621	P		12/21/95
52Q10	001	B	DI-037	27	66	190	664	N		12/21/95
52Q10	002	A	DI-037	40	56	162	686	B		12/21/95
52Q10	002	B	DI-037	37	61	209	744	B		12/21/95
52Q10	003	A	DI-037	28	44	137	652	N		12/21/95
52Q10	004	A	DI-037	11	44	133	447	N		12/21/95
52Q10	005	A	DI-037	26	44	137	410	N		12/21/95
52Q10	006	A	DI-037	27	33	160	343	N		12/21/95
52Q10	007	A	DI-037	19	13	< 50	173	N		12/19/95
52Q10	007	B	DI-037	14	21	73	262	N		12/19/95
52Q10	008	A	DI-037	27	**79**	184	385	P		12/19/95
52Q10	008	B	DI-037	15	< 10	< 50	136	N		12/19/95
52Q10	009	A	DI-037	44	**137**	314	618	P		12/19/95
52Q10	009	B	DI-037	29	**89**	229	694	P		12/19/95
52Q10	009	E	DI-31	33	**108**	269	<0	P		11/20/97
	0-12" soil test = HAZ			TCLP Status = HAZ						

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Gar
53Q17	001	A	DI-035	28	34	63	189	N	
53Q17	001	B	DI-035	22	19	< 50	154	N	
53Q17	002	A	DI-035	45	40	267	222	B	
53Q17	002	B	DI-035	29	30	309	195	B	
53Q17	003	A	DI-035	63	54	210	180	B	
53Q17	003	B	DI-035	41	41	232	154	B	
53Q17	004	A	DI-035	35	51	116	234	B	
53Q17	004	B	DI-035	63	**101**	351	350	P	
				TCLP Status = HAZ					
53Q17	005	A	DI-035	20	12	< 50	132	N	
53Q17	005	B	DI-035	< 10	< 10	< 50	108	N	
53Q17	006	A	DI-035	22	15	76	192	N	
53Q17	006	B	DI-035	34	33	80	168	B	
53Q17	007	A	DI-035	67	54	122	220	B	
53Q17	007	B	DI-035	**143**	**120**	238	350	P	
				TCLP Status = HAZ					
53Q17	008	A	DI-034	16	< 10	< 50	125	N	
53Q17	008	B	DI-034	16	< 10	< 50	97	N	
53Q17	009	A	DI-034	18	< 10	< 50	164	N	
53Q17	009	B	DI-034	13	< 10	< 50	174	N	
53Q17	010	A	DI-034	24	15	< 50	115	N	
53Q17	010	B	DI-034	18	< 10	< 50	107	N	
53Q17	011	A	DI-034	**302**	**236**	466	547	P	
				TCLP Status = HAZ					
53Q17	011	B	DI-034	**305**	**213**	479	511	P	
				TCLP Status = HAZ					
53Q17	012	A	DI-034	11	< 10	< 50	101	N	
53Q17	012	B	DI-034	16	< 10	< 50	75	N	
53Q17	013	A	DI-034	14	< 10	< 50	99	N	
53Q17	013	B	DI-034	14	< 10	< 50	89	N	
53Q17	014	A	DI-034	**693**	**497**	**904**	607	P	
				TCLP Status = HAZ					
53Q17	014	B	DI-034	**406**	**315**	**567**	417	P	
				TCLP Status = HAZ					
53Q17	015	A	DI-034	**546**	**402**	**809**	665	P	
				TCLP Status = HAZ					
53Q17	015	B	DI-034	**511**	**381**	**788**	683	P	
				TCLP Status = HAZ					

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
52Q10	025	B	DI-037	18	15	304	1064		N	12/19/95
52Q10	026	A	DI-037	14	48	184	400		N	12/19/95
52Q10	027	A	DI-037	15	43	181	363		N	12/19/95
52Q10	027	B	DI-037	66	48	**1305**	5033		P	12/19/95
52Q10	028	A	DI-037	< 10	19	137	276		N	12/19/95
52Q10	029	A	DI-037	22	45	94	500		N	12/21/95
52Q10	029	B	DI-037	23	54	100	851		N	12/21/95
52Q10	030	A	DI-037	42	69	142	492		B	12/21/95
52Q10	030	B	DI-037	61	**120**	282	1420		P	12/21/95
				TCLP Status = HAZ						
52Q10	031	A	DI-037	41	**78**	285	820		P	12/21/95
52Q10	031	B	DI-037	21	**107**	347	817		P	12/21/95
				TCLP Status = HAZ						
52Q10	032	A	DI-037	46	34	172	229		B	12/21/95
52Q10	032	B	DI-037	18	< 10	84	166		N	12/21/95
52Q10	033	A	DI-037	31	48	108	683		B	12/21/95
52Q10	033	B	DI-037	34	**98**	324	1116		P	12/21/95
52Q10	033	E	DI-31	13	59	206	<0		N	11/20/97
	0-12" soil test = OK									
52Q10	034	A	DI-037	23	35	240	661		N	12/21/95
52Q10	035	A	DI-037	47	**85**	452	1691		P	12/21/95
52Q10	035	B	DI-037	60	10	**2202**	5848		P	12/21/95
52Q10	036	A	DI-037	27	63	**920**	4941		P	12/21/95
52Q10	036	B	DI-037	73	24	**2035**	7719		P	12/21/95
52Q10	037	A	DI-037	79	**103**	375	484		P	12/21/95
52Q10	037	B	DI-037	56	**83**	319	1087		P	12/21/95
52Q10	037	E	DI-31	<6	8	38	<0		N	11/20/97
	0-12" soil test = OK									
52Q10	038	A	DI-037	19	22	126	266		N	12/21/95
52Q10	038	B	DI-037	16	< 10	56	116		N	12/21/95
52Q10	039	A	DI-037	44	57	175	250		B	12/21/95
52Q10	039	B	DI-037	30	22	248	728		B	12/21/95
52Q10	040	A	DI-037	38	36	155	224		B	12/21/95
52Q10	040	B	DI-037	45	**104**	500	1221		P	12/21/95
52Q10	040	E	DI-31	157	40	**588**	<0		P	11/20/97
	0-12" soil test = OK									
52Q10	041	A	DI-037	61	**161**	476	857		P	12/21/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Gar
52Q10	064	E	DI-31	60	**129**	**628**	<0	P	
	0-12" soil test = HAZ			TCLP Status = HAZ					
52Q10	065	A	DI-037	31	65	310	1063	B	
52Q10	065	B	DI-037	35	45	404	1345	B	
52Q10	066	A	DI-037	20	11	381	1397	N	
52Q10	066	B	DI-037	22	32	377	1281	N	
52Q10	067	A	DI-037	24	45	270	1141	N	
52Q10	067	B	DI-037	57	33	183	610	B	
52Q69	001	A	DI-036	19	21	151	265	N	
52Q69	001	B	DI-036	23	17	199	208	N	
52Q69	002	A	DI-036	26	12	136	168	N	
52Q69	002	B	DI-036	24	< 10	131	156	N	
52Q69	003	A	DI-036	30	15	165	265	B	
52Q69	003	B	DI-036	30	17	167	292	B	
52Q69	004	A	DI-036	63	67	402	1056	B	
52Q69	004	B	DI-036	61	64	370	963	B	
52Q69	005	A	DI-036	69	**122**	316	939	P	
				TCLP Status = HAZ					
52Q69	005	B	DI-036	50	**92**	251	698	P	
				TCLP Status = HAZ					
52Q69	006	A	DI-036	54	**143**	230	582	P	
				TCLP Status = HAZ					
52Q69	006	B	DI-036	41	**98**	198	481	P	
				TCLP Status = HAZ					
52Q69	007	A	DI-036	49	70	99	218	B	
52Q69	007	B	DI-036	36	55	111	281	B	
52Q69	008	A	DI-036	**89**	**110**	179	341	P	
				TCLP Status = HAZ					
52Q69	008	B	DI-036	**88**	**105**	240	523	P	
				TCLP Status = HAZ					
52Q69	009	A	DI-036	**85**	**95**	187	361	P	
				TCLP Status = HAZ					
52Q69	009	B	DI-036	**78**	**84**	312	1029	P	
52Q69	010	A	DI-036	**93**	**143**	452	1343	P	
				TCLP Status = HAZ					
52Q69	010	B	DI-036	77	**113**	**711**	1838	P	
				TCLP Status = HAZ					

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
52Q10	054	B	DI-037	**170**	**262**	463	808	P		12/21/95
				TCLP Status = HAZ						
52Q10	055	A	DI-037	68	**111**	330	699	P		12/21/95
				TCLP Status = HAZ						
52Q10	055	B	DI-037	**117**	**149**	438	1035	P		12/21/95
				TCLP Status = HAZ						
52Q10	056	A	DI-037	**90**	**134**	445	851	P		12/21/95
				TCLP Status = HAZ						
52Q10	056	B	DI-037	**88**	**134**	488	986	P		12/21/95
				TCLP Status = HAZ						
52Q10	057	A	DI-037	**255**	**340**	**867**	2551	P		12/21/95
				TCLP Status = HAZ						
52Q10	057	B	DI-037	**275**	**282**	**839**	2227	P		12/21/95
				TCLP Status = HAZ						
52Q10	058	A	DI-037	**291**	**258**	**647**	1607	P		12/21/95
				TCLP Status = HAZ						
52Q10	058	B	DI-037	**271**	**303**	**867**	3216	P		12/21/95
				TCLP Status = HAZ						
52Q10	059	A	DI-037	**75**	**113**	377	788	P		12/21/95
				TCLP Status = HAZ						
52Q10	059	B	DI-037	**204**	**196**	**697**	1831	P		12/21/95
				TCLP Status = HAZ						
52Q10	060	A	DI-037	**78**	**125**	427	950	P		12/21/95
52Q10	060	B	DI-037	61	73	412	3536	B		12/21/95
52Q10	060	E	DI-31	**91**	32	**2160**	<0	P		11/20/97
	0-12" soil test = OK									
52Q10	061	A	DI-037	61	**193**	**640**	1178	P		12/21/95
52Q10	061	B	DI-037	47	**89**	311	1388	P		12/21/95
52Q10	061	E	DI-31	57	**152**	**855**	<0	P		11/20/97
	0-12" soil test = HAZ			TCLP Status = HAZ						
52Q10	062	A	DI-037	46	52	377	979	B		12/21/95
52Q10	062	B	DI-037	48	32	297	813	B		12/21/95
52Q10	063	A	DI-037	30	**105**	354	855	P		12/21/95
52Q10	063	B	DI-037	24	40	281	781	N		12/21/95
52Q10	063	E	DI-31	26	43	254	<0	N		11/20/97
	0-12" soil test = OK									
52Q10	064	A	DI-037	52	**96**	**600**	1839	P		12/21/95
52Q10	064	B	DI-037	25	31	199	752	N		12/21/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Gar
52Q10	041	B	DI-037	42	**88**	**607**	1683	P	
52Q10	041	E	DI-31	10	19	78	<0	N	
	0-12" soil test = OK								
52Q10	042	A	DI-037	62	**175**	**510**	1200	P	
				TCLP Status = HAZ					
52Q10	042	B	DI-037	46	**161**	**674**	1942	P	
				TCLP Status = HAZ					
52Q10	043	A	DI-037	56	47	206	507	B	
52Q10	043	B	DI-037	37	45	117	313	B	
52Q10	044	A	DI-037	14	< 10	117	364	N	
52Q10	045	A	DI-037	38	39	206	499	B	
52Q10	045	B	DI-037	**78**	**90**	**1712**	5788	P	
52Q10	045	E	DI-31	**107**	**94**	**1770**	<0	P	
	0-12" soil test = HAZ			TCLP Status = HAZ					
52Q10	046	A	DI-037	62	42	238	413	B	
52Q10	046	B	DI-037	**97**	**127**	229	551	P	
				TCLP Status = HAZ					
52Q10	047	A	DI-037	**71**	**137**	318	548	P	
				TCLP Status = HAZ					
52Q10	047	B	DI-037	**159**	**178**	370	797	P	
				TCLP Status = HAZ					
52Q10	048	A	DI-037	42	**85**	301	555	P	
52Q10	048	B	DI-037	68	**117**	425	958	P	
				TCLP Status = HAZ					
52Q10	049	A	DI-037	45	47	339	853	B	
52Q10	049	B	DI-037	30	13	293	862	B	
52Q10	050	A	DI-037	61	71	376	776	B	
52Q10	051	A	DI-037	36	**88**	401	813	P	
52Q10	051	E	DI-31	<6	6	113	<0	N	
	0-12" soil test = OK								
52Q10	052	A	DI-037	23	**122**	**605**	952	P	
52Q10	052	B	DI-037	50	28	**1909**	5365	P	
52Q10	052	E	DI-31	7	13	78	<0	N	
	0-12" soil test = OK								
52Q10	053	A	DI-037	29	67	293	623	B	
52Q10	053	B	DI-037	53	52	**703**	2346	P	
52Q10	054	A	DI-037	**85**	**166**	364	636	P	
				TCLP Status = HAZ					

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
52Q69	011	A	DI-037	**84**	**144**	263	431	P		12/19/95
				TCLP Status = HAZ						
52Q69	011	B	DI-037	46	**79**	176	381	P		12/19/95
52Q69	012	A	DI-037	67	**129**	197	268	P		12/19/95
				TCLP Status = HAZ						
52Q69	012	B	DI-037	30	56	178	463	B		12/19/95
52Q69	013	A	DI-037	**83**	**163**	232	498	P		12/19/95
				TCLP Status = HAZ						
52Q69	013	B	DI-037	68	**98**	149	316	P		12/19/95
				TCLP Status = HAZ						
52Q69	014	A	DI-037	31	**76**	336	488	P		12/19/95
52Q69	014	B	DI-037	31	53	81	990	B		12/19/95
52Q69	015	A	DI-036	52	**142**	325	1335	P		12/15/95
				TCLP Status = HAZ						
52Q69	015	B	DI-036	52	**97**	349	1521	P		12/15/95
				TCLP Status = HAZ						
52Q69	016	A	DI-036	**74**	**200**	392	1050	P		12/15/95
				TCLP Status = HAZ						
52Q69	016	B	DI-036	**93**	**110**	308	919	P		12/15/95
				TCLP Status = HAZ						
52Q69	017	A	DI-036	**81**	**167**	401	1116	P		12/15/95
				TCLP Status = HAZ						
52Q69	017	B	DI-036	**83**	**119**	381	1146	P		12/15/95
				TCLP Status = HAZ						
52Q69	018	A	DI-036	53	**227**	**501**	1159	P		12/15/95
				TCLP Status = HAZ						
52Q69	018	B	DI-036	62	**163**	**501**	1624	P		12/15/95
				TCLP Status = HAZ						
52Q69	019	A	DI-036	45	**196**	333	688	P		12/15/95
				TCLP Status = HAZ						
52Q69	019	B	DI-036	28	**117**	226	529	P		12/15/95
				TCLP Status = HAZ						
52Q69	020	A	DI-037	**72**	**234**	**551**	946	P		12/19/95
				TCLP Status = HAZ						
52Q69	020	B	DI-037	40	**105**	332	711	P		12/19/95
				TCLP Status = HAZ						
52Q69	021	A	DI-037	47	**187**	434	798	P		12/19/95
				TCLP Status = HAZ						
52Q69	021	B	DI-037	50	**108**	380	544	P		12/19/95
				TCLP Status = HAZ						

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Gar
52Q10	010	A	DI-037	43	**130**	345	761	P	
52Q10	010	B	DI-037	11	34	104	487	N	
52Q10	010	E	DI-31	8	24	69	<0	N	
	0-12" soil test = OK								
52Q10	011	A	DI-037	42	**99**	265	488	P	
52Q10	011	B	DI-037	12	38	90	243	N	
52Q10	011	E	DI-31	9	24	80	<0	N	
	0-12" soil test = OK								
52Q10	012	A	DI-037	21	73	251	450	N	
52Q10	012	B	DI-037	24	53	205	506	N	
52Q10	013	A	DI-037	28	26	148	508	N	
52Q10	013	B	DI-037	14	29	256	1018	N	
52Q10	014	A	DI-037	29	54	330	821	B	
52Q10	014	B	DI-037	36	48	301	756	B	
52Q10	015	A	DI-037	18	31	86	386	N	
52Q10	016	A	DI-037	22	11	88	251	N	
52Q10	016	B	DI-037	15	< 10	86	147	N	
52Q10	017	A	DI-037	33	14	112	207	B	
52Q10	017	B	DI-037	11	< 10	80	127	N	
52Q10	018	A	DI-037	43	**125**	299	1135	P	
52Q10	018	B	DI-037	40	**99**	274	2789	P	
52Q10	018	E	DI-31	29	**99**	272	<0	P	
	0-12" soil test = HAZ			TCLP Status = HAZ					
52Q10	019	A	DI-037	30	**76**	185	518	P	
52Q10	019	B	DI-037	26	54	190	388	N	
52Q10	020	A	DI-037	23	48	81	429	N	
52Q10	021	A	DI-037	47	**79**	324	1100	P	
52Q10	021	B	DI-037	23	33	245	965	N	
52Q10	022	A	DI-037	21	37	197	465	N	
52Q10	022	B	DI-037	32	**102**	298	876	P	
52Q10	022	E	DI-31	<6	5	32	<0	N	
	0-12" soil test = OK								
52Q10	023	A	DI-037	13	17	< 50	220	N	
52Q10	023	B	DI-037	21	43	138	452	N	
52Q10	024	A	DI-037	23	55	119	806	N	
52Q10	025	A	DI-037	20	< 10	90	226	N	

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53Q17	016	A	DI-034	26	< 10	< 50	105		N	11/10/95
53Q17	016	B	DI-034	22	< 10	< 50	105		N	11/10/95
53Q17	017	A	DI-034	17	< 10	< 50	99		N	11/10/95
53Q17	017	B	DI-034	11	< 10	< 50	99		N	11/10/95
53Q17	018	A	DI-034	**276**	**214**	423	482		P	11/10/95
				TCLP Status = HAZ						
53Q17	018	B	DI-034	**623**	**399**	**908**	706		P	11/10/95
				TCLP Status = HAZ						
53Q17	019	A	DI-034	**108**	**116**	155	343		P	11/10/95
				TCLP Status = HAZ						
53Q17	019	B	DI-034	**168**	**123**	165	248		P	11/10/95
				TCLP Status = HAZ						
53Q17	020	A	DI-034	**239**	**385**	370	405		P	11/10/95
				TCLP Status = HAZ						
53Q17	020	B	DI-034	**373**	**473**	**672**	527		P	11/10/95
				TCLP Status = HAZ						
53Q17	021	A	DI-034	12	< 10	< 50	133		N	11/10/95
53Q17	021	B	DI-034	14	< 10	< 50	91		N	11/10/95
53Q17	022	A	DI-034	**496**	**441**	**760**	1065		P	11/10/95
				TCLP Status = HAZ						
53Q17	022	B	DI-034	**561**	**468**	**779**	920		P	11/10/95
				TCLP Status = HAZ						
53Q17	023	A	DI-034	**285**	**312**	474	672		P	11/10/95
				TCLP Status = HAZ						
53Q17	023	B	DI-034	**262**	**306**	435	648		P	11/10/95
				TCLP Status = HAZ						
53Q17	024	A	DI-034	18	15	< 50	114		N	11/10/95
53Q17	024	B	DI-034	15	< 10	< 50	99		N	11/10/95
53Q17	025	A	DI-034	16	< 10	< 50	92		N	11/10/95
53Q17	025	B	DI-034	15	< 10	< 50	97		N	11/10/95
53Q17	026	A	DI-034	**284**	**265**	380	480		P	11/10/95
				TCLP Status = HAZ						
53Q17	026	B	DI-034	**479**	**427**	**567**	607		P	11/10/95
				TCLP Status = HAZ						
53Q17	027	A	DI-034	28	29	57	185		N	11/10/95
53Q17	027	B	DI-034	29	24	< 50	137		B	11/10/95
53Q17	028	A	DI-034	19	14	< 50	111		N	11/10/95
53Q17	028	B	DI-034	18	17	< 50	117		N	11/10/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53Q17	029	A	DI-034	**465**	**667**	**1146**	1109	P		11/10/95
				TCLP Status = HAZ						
53Q17	029	B	DI-034	**385**	**447**	**840**	761	P		11/10/95
				TCLP Status = HAZ						
53Q17	030	A	DI-034	**146**	**230**	428	835	P		11/10/95
				TCLP Status = HAZ						
53Q17	030	B	DI-034	**124**	**157**	351	785	P		11/10/95
				TCLP Status = HAZ						
53R08	001	A	DI-036	27	58	174	586	N		12/15/95
53R08	001	B	DI-036	24	60	215	867	N		12/15/95
53R08	002	A	DI-036	**79**	**127**	372	1124	P		12/15/95
				TCLP Status = HAZ						
53R08	002	B	DI-036	**76**	**106**	363	1059	P		12/15/95
				TCLP Status = HAZ						
53R08	003	A	DI-036	**125**	**153**	**937**	2886	P		12/15/95
				TCLP Status = HAZ						
53R08	003	B	DI-036	**75**	**108**	**1084**	3636	P		12/15/95
				TCLP Status = HAZ						
53R08	004	A	DI-036	**73**	**114**	393	1194	P		12/15/95
				TCLP Status = HAZ						
53R08	004	B	DI-036	**71**	**105**	361	945	P		12/15/95
				TCLP Status = HAZ						
53R08	005	A	DI-036	56	**112**	405	1334	P		12/15/95
				TCLP Status = HAZ						
53R08	005	B	DI-036	**88**	**123**	453	1411	P		12/15/95
				TCLP Status = HAZ						
53R08	006	A	DI-036	56	**148**	273	707	P		12/15/95
				TCLP Status = HAZ						
53R08	006	B	DI-036	39	**95**	178	440	P		12/15/95
				TCLP Status = HAZ						
53R08	007	A	DI-036	16	57	149	323	N		12/15/95
53R08	007	B	DI-036	19	37	87	277	N		12/15/95
53R08	008	A	DI-036	43	**157**	344	892	P		12/15/95
				TCLP Status = HAZ						
53R08	008	B	DI-036	27	**80**	186	468	P		12/15/95
53R18	001	A	DI-008	< 10	< 10	< 50	37	N		06/17/94
53R18	001	B	DI-008	< 10	< 10	< 50	36	N		06/17/94
53R18	002	A	DI-008	17	< 10	< 50	90	N		06/17/94

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	002	B	DI-008	11	< 10	< 50	91	N		06/17/94
53R18	003	A	DI-008	12	12	< 50	163	N		06/17/94
53R18	003	B	DI-008	22	< 10	< 50	128	N		06/17/94
53R18	004	A	DI-034	14	< 10	< 50	86	N		11/07/95
53R18	004	B	DI-034	< 10	< 10	< 50	78	N		11/07/95
53R18	005	A	DI-034	17	< 10	< 50	83	N		11/07/95
53R18	005	B	DI-034	16	< 10	< 50	69	N		11/07/95
53R18	006	A	DI-034	13	< 10	< 50	76	N		11/07/95
53R18	006	B	DI-034	12	< 10	< 50	77	N		11/07/95
53R18	007	A	DI-034	15	< 10	< 50	97	N		11/07/95
53R18	007	B	DI-034	22	< 10	< 50	103	N		11/07/95
53R18	008	A	DI-034	17	12	< 50	105	N		11/07/95
53R18	008	B	DI-034	22	< 10	< 50	142	N		11/07/95
53R18	009	A	DI-034	16	< 10	< 50	142	N		11/07/95
53R18	009	B	DI-034	21	< 10	< 50	125	N		11/07/95
53R18	010	A	DI-034	20	< 10	< 50	104	N		11/07/95
53R18	010	B	DI-034	21	< 10	< 50	140	N		11/07/95
53R18	011	A	DI-034	15	< 10	< 50	95	N		11/07/95
53R18	011	B	DI-034	17	< 10	< 50	175	N		11/07/95
53R18	012	A	DI-034	13	< 10	< 50	125	N		11/07/95
53R18	012	B	DI-034	23	23	< 50	128	N		11/07/95
53R18	013	A	DI-034	12	< 10	< 50	92	N		11/07/95
53R18	013	B	DI-034	13	< 10	< 50	85	N		11/07/95
53R18	014	A	DI-034	18	< 10	< 50	90	N		11/08/95
53R18	014	B	DI-034	16	< 10	< 50	88	N		11/08/95
53R18	015	A	DI-034	63	47	191	214	B		11/08/95
53R18	015	B	DI-034	41	31	116	163	B		11/08/95
53R18	016	A	DI-034	19	< 10	< 50	101	N		11/07/95
53R18	016	B	DI-034	20	11	< 50	113	N		11/07/95
53R18	017	A	DI-034	15	< 10	< 50	104	N		11/07/95
53R18	017	B	DI-034	13	< 10	< 50	111	N		11/07/95
53R18	018	A	DI-034	21	< 10	< 50	135	N		11/07/95
53R18	018	B	DI-034	16	< 10	< 50	117	N		11/07/95
53R18	019	A	DI-034	11	< 10	< 50	80	N		11/07/95
53R18	019	B	DI-034	14	< 10	< 50	128	N		11/07/95
53R18	020	A	DI-034	23	10	< 50	130	N		11/07/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	020	B	DI-034	25	17	72	156	N		11/07/95
53R18	021	A	DI-034	30	14	101	281	B		11/07/95
53R18	021	B	DI-034	28	18	178	208	N		11/07/95
53R18	022	A	DI-034	25	21	< 50	152	N		11/07/95
53R18	022	B	DI-034	19	14	74	151	N		11/07/95
53R18	023	A	DI-034	24	27	68	129	N		11/07/95
53R18	023	B	DI-034	27	55	111	230	N		11/07/95
53R18	024	A	DI-034	21	37	110	279	N		11/07/95
53R18	024	B	DI-034	35	36	101	261	B		11/07/95
53R18	025	A	DI-034	25	11	78	110	N		11/07/95
53R18	025	B	DI-034	38	26	111	219	B		11/07/95
53R18	026	A	DI-034	12	< 10	< 50	78	N		11/07/95
53R18	026	B	DI-034	13	< 10	< 50	72	N		11/07/95
53R18	027	A	DI-008	< 10	< 10	< 50	35	N		06/17/94
53R18	027	B	DI-008	< 10	< 10	< 50	43	N		06/17/94
53R18	028	A	DI-008	< 10	< 10	< 50	42	N		06/17/94
53R18	028	B	DI-008	< 10	< 10	< 50	57	N		06/17/94
53R18	029	A	DI-008	< 10	< 10	< 50	45	N		06/17/94
53R18	029	B	DI-008	< 10	< 10	< 50	43	N		06/17/94
53R18	030	A	DI-008	12	< 10	< 50	64	N		06/17/94
53R18	030	B	DI-008	< 10	< 10	< 50	54	N		06/17/94
53R18	031	A	DI-008	< 10	< 10	< 50	42	N		06/17/94
53R18	031	B	DI-008	11	< 10	< 50	48	N		06/17/94
53R18	032	A	DI-008	< 10	< 10	< 50	32	N		06/17/94
53R18	032	B	DI-008	< 10	< 10	< 50	29	N		06/17/94
53R18	033	A	DI-034	< 10	< 10	< 50	81	N		11/07/95
53R18	033	B	DI-034	14	< 10	< 50	108	N		11/07/95
53R18	034	A	DI-034	13	< 10	< 50	71	N		11/07/95
53R18	034	B	DI-034	12	< 10	< 50	58	N		11/07/95
53R18	035	A	DI-034	27	37	111	237	N		11/07/95
53R18	035	B	DI-034	27	14	113	476	N		11/07/95
53R18	036	A	DI-034	15	13	61	198	N		11/07/95
53R18	036	B	DI-034	18	12	62	194	N		11/07/95
53R18	037	A	DI-034	15	10	< 50	114	N		11/07/95
53R18	037	B	DI-034	29	26	51	129	B		11/07/95
53R18	038	A	DI-034	13	< 10	< 50	84	N		11/07/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	038	B	DI-034	17	< 10	< 50	98		N	11/07/95
53R18	039	A	DI-034	28	14	56	135		N	11/07/95
53R18	039	B	DI-034	25	14	< 50	142		N	11/07/95
53R18	040	A	DI-034	12	< 10	< 50	100		N	11/07/95
53R18	040	B	DI-034	15	< 10	< 50	86		N	11/07/95
53R18	041	A	DI-034	15	< 10	< 50	186		N	11/07/95
53R18	041	B	DI-034	14	< 10	89	158		N	11/07/95
53R18	042	A	DI-034	11	< 10	80	244		N	11/07/95
53R18	042	B	DI-034	21	13	106	207		N	11/07/95
53R18	043	A	DI-034	20	< 10	< 50	95		N	11/07/95
53R18	043	B	DI-034	14	< 10	< 50	93		N	11/07/95
53R18	044	A	DI-034	24	16	< 50	115		N	11/07/95
53R18	044	B	DI-034	23	14	< 50	111		N	11/07/95
53R18	045	A	DI-034	40	29	125	133		B	11/08/95
53R18	045	B	DI-034	65	36	264	177		B	11/08/95
53R18	046	A	DI-034	16	26	60	146		N	11/08/95
53R18	046	B	DI-034	14	19	59	161		N	11/08/95
53R18	047	A	DI-034	31	20	86	130		B	11/07/95
53R18	047	B	DI-034	40	31	102	134		B	11/07/95
53R18	048	A	DI-034	20	< 10	< 50	93		N	11/07/95
53R18	048	B	DI-034	17	< 10	< 50	99		N	11/07/95
53R18	049	A	DI-034	< 10	< 10	< 50	116		N	11/07/95
53R18	049	B	DI-034	15	< 10	< 50	106		N	11/07/95
53R18	050	A	DI-034	12	< 10	84	217		N	11/07/95
53R18	050	B	DI-034	24	< 10	80	278		N	11/07/95
53R18	051	A	DI-034	< 10	< 10	< 50	155		N	11/07/95
53R18	051	B	DI-034	< 10	< 10	< 50	175		N	11/07/95
53R18	052	A	DI-034	13	< 10	< 50	74		N	11/07/95
53R18	052	B	DI-034	16	< 10	< 50	70		N	11/07/95
53R18	053	A	DI-034	14	< 10	< 50	137		N	11/07/95
53R18	053	B	DI-034	17	< 10	< 50	126		N	11/07/95
53R18	054	A	DI-034	12	< 10	< 50	78		N	11/07/95
53R18	054	B	DI-034	12	< 10	< 50	70		N	11/07/95
53R18	055	A	DI-034	22	< 10	265	592		N	11/07/95
53R18	055	B	DI-034	12	< 10	217	572		N	11/07/95
53R18	056	A	DI-034	11	< 10	< 50	83		N	11/07/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	056	B	DI-034	14	< 10	< 50	84	N		11/07/95
53R18	057	A	DI-034	10	< 10	< 50	83	N		11/07/95
53R18	057	B	DI-034	16	< 10	< 50	60	N		11/07/95
53R18	058	A	DI-034	16	< 10	< 50	78	N		11/07/95
53R18	058	B	DI-034	17	< 10	< 50	85	N		11/07/95
53R18	059	A	DI-008	< 10	< 10	< 50	41	N		06/17/94
53R18	059	B	DI-008	< 10	< 10	< 50	41	N		06/17/94
53R18	060	A	DI-008	< 10	< 10	< 50	51	N		06/17/94
53R18	060	B	DI-008	< 10	< 10	< 50	58	N		06/17/94
53R18	061	A	DI-008	< 10	< 10	< 50	47	N		06/17/94
53R18	061	B	DI-008	< 10	< 10	< 50	39	N		06/17/94
53R18	062	A	DI-008	< 10	< 10	< 50	78	N		06/16/94
53R18	062	B	DI-008	16	11	< 50	60	N		06/16/94
53R18	063	A	DI-008	15	< 10	< 50	88	N		06/17/94
53R18	063	B	DI-008	< 10	< 10	< 50	85	N		06/17/94
53R18	064	A	DI-008	< 10	< 10	< 50	36	N		06/17/94
53R18	064	B	DI-008	< 10	< 10	< 50	44	N		06/17/94
53R18	065	A	DI-034	17	< 10	< 50	107	N		11/06/95
53R18	065	B	DI-034	32	29	71	116	B		11/06/95
53R18	066	A	DI-034	14	< 10	< 50	65	N		11/06/95
53R18	066	B	DI-034	15	< 10	< 50	72	N		11/06/95
53R18	067	A	DI-034	14	< 10	< 50	81	N		11/06/95
53R18	067	B	DI-034	14	< 10	< 50	78	N		11/06/95
53R18	068	A	DI-034	23	< 10	< 50	118	N		11/06/95
53R18	068	B	DI-034	21	< 10	< 50	130	N		11/06/95
53R18	069	A	DI-034	23	< 10	113	245	N		11/06/95
53R18	069	B	DI-034	34	< 10	221	527	B		11/06/95
53R18	070	A	DI-034	17	< 10	< 50	97	N		11/06/95
53R18	070	B	DI-034	12	< 10	< 50	108	N		11/06/95
53R18	071	A	DI-034	12	< 10	< 50	98	N		11/06/95
53R18	071	B	DI-034	13	< 10	< 50	85	N		11/06/95
53R18	072	A	DI-034	< 10	< 10	106	292	N		11/06/95
53R18	072	B	DI-034	< 10	< 10	143	314	N		11/06/95
53R18	073	A	DI-034	< 10	< 10	113	351	N		11/06/95
53R18	073	B	DI-034	13	< 10	118	430	N		11/06/95
53R18	074	A	DI-034	26	< 10	58	156	N		11/06/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	074	B	DI-034	23	11	68	173		N	11/06/95
53R18	075	A	DI-034	16	< 10	< 50	100		N	11/06/95
53R18	075	B	DI-034	14	< 10	< 50	95		N	11/06/95
53R18	076	A	DI-034	15	15	< 50	102		N	11/06/95
53R18	076	B	DI-034	21	13	< 50	97		N	11/06/95
53R18	077	A	DI-034	53	41	212	235		B	11/06/95
53R18	077	B	DI-034	58	**76**	210	208		P	11/06/95
53R18	078	A	DI-034	**248**	**113**	**864**	380		P	11/08/95
				TCLP Status = HAZ						
53R18	078	B	DI-034	**158**	**99**	488	292		P	11/08/95
				TCLP Status = HAZ						
53R18	079	A	DI-034	30	27	141	205		B	11/08/95
53R18	079	B	DI-034	43	24	145	205		B	11/08/95
53R18	080	A	DI-034	75	51	383	279		P	11/06/95
53R18	080	B	DI-034	48	48	210	225		B	11/06/95
53R18	081	A	DI-034	**81**	**76**	446	331		P	11/06/95
53R18	081	B	DI-034	**100**	**89**	452	324		P	11/06/95
				TCLP Status = HAZ						
53R18	082	A	DI-034	41	**98**	394	482		P	11/06/95
				TCLP Status = HAZ						
53R18	082	B	DI-034	41	**111**	441	359		P	11/06/95
				TCLP Status = HAZ						
53R18	083	A	DI-034	30	22	65	158		B	11/06/95
53R18	083	B	DI-034	34	30	100	180		B	11/06/95
53R18	084	A	DI-034	16	17	**518**	333		P	11/06/95
53R18	084	B	DI-034	31	17	147	281		B	11/06/95
53R18	085	A	DI-034	16	< 10	< 50	209		N	11/06/95
53R18	085	B	DI-034	13	< 10	55	197		N	11/06/95
53R18	086	A	DI-034	12	< 10	< 50	148		N	11/06/95
53R18	086	B	DI-034	16	< 10	< 50	112		N	11/06/95
53R18	087	A	DI-034	14	< 10	64	265		N	11/06/95
53R18	087	B	DI-034	11	< 10	< 50	220		N	11/06/95
53R18	088	A	DI-034	12	< 10	< 50	83		N	11/06/95
53R18	088	B	DI-034	11	< 10	< 50	80		N	11/06/95
53R18	089	A	DI-034	12	< 10	< 50	103		N	11/06/95
53R18	089	B	DI-034	11	< 10	< 50	141		N	11/06/95
53R18	090	A	DI-034	18	< 10	< 50	80		N	11/06/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	090	B	DI-034	10	< 10	< 50	95	N		11/06/95
53R18	091	A	DI-034	16	< 10	< 50	68	N		11/06/95
53R18	091	B	DI-034	15	< 10	< 50	100	N		11/06/95
53R18	092	A	DI-034	14	< 10	< 50	74	N		11/06/95
53R18	092	B	DI-034	13	< 10	< 50	74	N		11/06/95
53R18	093	A	DI-034	12	< 10	< 50	75	N		11/06/95
53R18	093	B	DI-034	14	< 10	< 50	82	N		11/06/95
53R18	094	A	DI-008	< 10	< 10	< 50	36	N		06/17/94
53R18	094	B	DI-008	11	< 10	< 50	45	N		06/17/94
53R18	095	A	DI-008	< 10	< 10	< 50	42	N		06/16/94
53R18	095	B	DI-008	< 10	< 10	< 50	39	N		06/16/94
53R18	096	A	DI-008	< 10	11	< 50	65	N		06/16/94
53R18	096	B	DI-008	10	12	< 50	76	N		06/16/94
53R18	097	A	DI-008	< 10	< 10	< 50	59	N		06/16/94
53R18	097	B	DI-008	< 10	< 10	< 50	40	N		06/16/94
53R18	098	A	DI-008	< 10	< 10	< 50	41	N		06/16/94
53R18	098	B	DI-008	< 10	< 10	< 50	34	N		06/16/94
53R18	099	A	DI-008	< 10	< 10	< 50	47	N		06/16/94
53R18	099	B	DI-008	< 10	< 10	< 50	40	N		06/16/94
53R18	100	A	DI-033	15	< 10	< 50	71	N		11/03/95
53R18	100	B	DI-033	12	< 10	< 50	100	N		11/03/95
53R18	101	A	DI-033	12	< 10	< 50	108	N		11/03/95
53R18	101	B	DI-033	16	< 10	< 50	95	N		11/03/95
53R18	102	A	DI-033	12	< 10	< 50	70	N		11/03/95
53R18	102	B	DI-033	11	< 10	< 50	67	N		11/03/95
53R18	103	A	DI-033	14	< 10	< 50	102	N		11/03/95
53R18	103	B	DI-033	15	< 10	< 50	126	N		11/03/95
53R18	104	A	DI-033	11	< 10	< 50	81	N		11/03/95
53R18	104	B	DI-033	13	< 10	< 50	78	N		11/03/95
53R18	105	A	DI-033	13	< 10	< 50	71	N		11/03/95
53R18	105	B	DI-033	14	< 10	< 50	67	N		11/03/95
53R18	106	A	DI-033	< 10	< 10	< 50	76	N		11/03/95
53R18	106	B	DI-033	12	< 10	< 50	76	N		11/03/95
53R18	107	A	DI-033	14	< 10	< 50	79	N		11/03/95
53R18	107	B	DI-033	13	< 10	< 50	71	N		11/03/95
53R18	108	A	DI-033	16	< 10	< 50	91	N		11/03/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	108	B	DI-033	15	< 10	< 50	86		N	11/03/95
53R18	109	A	DI-033	35	70	153	226		B	11/03/95
53R18	109	B	DI-033	46	67	303	364		B	11/03/95
53R18	110	A	DI-033	43	64	205	288		B	11/03/95
53R18	110	B	DI-033	39	44	249	333		B	11/03/95
53R18	111	A	DI-033	37	63	338	403		B	11/03/95
53R18	111	B	DI-033	54	**75**	401	521		P	11/03/95
53R18	112	A	DI-033	**82**	**106**	311	395		P	11/03/95
				TCLP Status = HAZ						
53R18	112	B	DI-033	**224**	**187**	**851**	650		P	11/03/95
				TCLP Status = HAZ						
53R18	113	A	DI-033	46	53	353	244		B	11/03/95
53R18	113	B	DI-033	48	50	316	223		B	11/03/95
53R18	114	A	DI-033	38	36	190	312		B	11/03/95
53R18	114	B	DI-033	36	44	137	382		B	11/03/95
53R18	115	A	DI-034	29	32	82	215		B	11/08/95
53R18	115	B	DI-034	23	27	107	236		N	11/08/95
53R18	116	A	DI-033	**88**	**104**	348	287		P	11/03/95
				TCLP Status = HAZ						
53R18	116	B	DI-033	**88**	**95**	343	272		P	11/03/95
				TCLP Status = HAZ						
53R18	117	A	DI-033	68	**97**	292	317		P	11/03/95
				TCLP Status = HAZ						
53R18	117	B	DI-033	52	**90**	271	311		P	11/03/95
				TCLP Status = HAZ						
53R18	118	A	DI-033	42	**78**	184	273		P	11/03/95
53R18	118	B	DI-033	56	**85**	222	318		P	11/03/95
53R18	119	A	DI-033	54	51	219	226		B	11/03/95
53R18	119	B	DI-033	**110**	**83**	287	310		P	11/03/95
53R18	120	A	DI-033	39	41	130	219		B	11/03/95
53R18	120	B	DI-033	48	64	181	280		B	11/03/95
53R18	121	A	DI-033	30	42	130	198		B	11/03/95
53R18	121	B	DI-033	32	60	290	316		B	11/03/95
53R18	122	A	DI-033	15	< 10	< 50	81		N	11/03/95
53R18	122	B	DI-033	13	< 10	< 50	67		N	11/03/95
53R18	123	A	DI-033	11	< 10	< 50	98		N	11/03/95
53R18	123	B	DI-033	< 10	< 10	< 50	93		N	11/03/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	124	A	DI-033	18	< 10	< 50	77	N		11/03/95
53R18	124	B	DI-033	14	< 10	< 50	72	N		11/03/95
53R18	125	A	DI-033	10	< 10	< 50	62	N		11/03/95
53R18	125	B	DI-033	15	< 10	< 50	74	N		11/03/95
53R18	126	A	DI-033	11	< 10	< 50	70	N		11/03/95
53R18	126	B	DI-033	14	< 10	< 50	83	N		11/03/95
53R18	127	A	DI-033	13	< 10	< 50	88	N		11/03/95
53R18	127	B	DI-033	12	< 10	< 50	81	N		11/03/95
53R18	128	A	DI-033	11	< 10	< 50	93	N		11/03/95
53R18	128	B	DI-033	15	< 10	< 50	108	N		11/03/95
53R18	129	A	DI-033	16	< 10	< 50	87	N		11/03/95
53R18	129	B	DI-033	14	< 10	< 50	86	N		11/03/95
53R18	130	A	DI-033	15	< 10	< 50	73	N		11/03/95
53R18	130	B	DI-033	13	< 10	< 50	63	N		11/03/95
53R18	131	A	DI-033	14	< 10	< 50	77	N		11/03/95
53R18	131	B	DI-033	11	< 10	< 50	74	N		11/03/95
53R18	132	A	DI-008	< 10	< 10	< 50	34	N		06/16/94
53R18	132	B	DI-008	< 10	< 10	< 50	32	N		06/16/94
53R18	133	A	DI-008	< 10	< 10	< 50	40	N		06/16/94
53R18	133	B	DI-008	< 10	< 10	< 50	41	N		06/16/94
53R18	134	A	DI-008	< 10	< 10	< 50	40	N		06/16/94
53R18	134	B	DI-008	< 10	< 10	< 50	70	N		06/16/94
53R18	135	A	DI-008	< 10	< 10	< 50	52	N		06/16/94
53R18	135	B	DI-008	< 10	< 10	< 50	48	N		06/16/94
53R18	136	A	DI-008	< 10	< 10	< 50	41	N		06/16/94
53R18	136	B	DI-008	< 10	< 10	< 50	30	N		06/16/94
53R18	137	A	DI-008	< 10	< 10	< 50	37	N		06/16/94
53R18	137	B	DI-008	< 10	< 10	< 50	35	N		06/16/94
53R18	138	A	DI-033	12	< 10	< 50	75	N		11/03/95
53R18	138	B	DI-033	17	< 10	< 50	76	N		11/03/95
53R18	139	A	DI-033	16	< 10	< 50	86	N		11/03/95
53R18	139	B	DI-033	11	< 10	< 50	70	N		11/03/95
53R18	140	A	DI-033	14	< 10	< 50	81	N		11/03/95
53R18	140	B	DI-033	< 10	< 10	< 50	80	N		11/03/95
53R18	141	A	DI-033	13	< 10	< 50	89	N		11/01/95
53R18	141	B	DI-033	13	< 10	< 50	95	N		11/01/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	142	A	DI-033	12	< 10	< 50	86		N	11/01/95
53R18	142	B	DI-033	14	< 10	< 50	75		N	11/01/95
53R18	143	A	DI-033	16	< 10	< 50	86		N	11/01/95
53R18	143	B	DI-033	14	< 10	< 50	89		N	11/01/95
53R18	144	A	DI-033	13	< 10	< 50	68		N	11/01/95
53R18	144	B	DI-033	14	< 10	< 50	56		N	11/01/95
53R18	145	A	DI-033	15	< 10	< 50	66		N	11/01/95
53R18	145	B	DI-033	12	< 10	< 50	88		N	11/01/95
53R18	146	A	DI-033	13	< 10	< 50	71		N	11/01/95
53R18	146	B	DI-033	< 10	< 10	< 50	73		N	11/01/95
53R18	147	A	DI-033	19	15	119	175		N	11/01/95
53R18	147	B	DI-033	20	16	65	155		N	11/01/95
53R18	148	A	DI-033	33	71	126	235		B	11/01/95
53R18	148	B	DI-033	36	**76**	217	330		P	11/01/95
53R18	149	A	DI-033	23	36	115	417		N	11/01/95
53R18	149	B	DI-033	54	**129**	314	417		P	11/01/95
				TCLP Status = HAZ						
53R18	150	A	DI-033	11	< 10	< 50	83		N	11/01/95
53R18	150	B	DI-033	14	< 10	< 50	76		N	11/01/95
53R18	151	A	DI-033	31	27	84	147		B	11/01/95
53R18	151	B	DI-033	35	40	120	173		B	11/01/95
53R18	152	A	DI-033	39	41	98	156		B	11/01/95
53R18	152	B	DI-033	37	35	97	133		B	11/01/95
53R18	153	A	DI-033	38	**95**	252	411		P	11/01/95
				TCLP Status = HAZ						
53R18	153	B	DI-033	32	51	335	329		B	11/01/95
53R18	154	A	DI-033	38	53	193	220		B	11/01/95
53R18	154	B	DI-033	39	60	191	209		B	11/01/95
53R18	155	A	DI-033	14	< 10	< 50	105		N	10/31/95
53R18	155	B	DI-033	17	< 10	< 50	117		N	10/31/95
53R18	156	A	DI-033	16	< 10	< 50	129		N	10/31/95
53R18	156	B	DI-033	14	< 10	< 50	129		N	10/31/95
53R18	157	A	DI-033	18	15	56	309		N	10/31/95
53R18	157	B	DI-033	16	< 10	< 50	128		N	10/31/95
53R18	158	A	DI-033	26	49	216	423		N	10/31/95
53R18	158	B	DI-033	20	37	219	431		N	10/31/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	159	A	DI-033	35	50	73	202	B		10/31/95
53R18	159	B	DI-033	45	46	105	221	B		10/31/95
53R18	160	A	DI-033	11	< 10	< 50	77	N		10/31/95
53R18	160	B	DI-033	14	< 10	< 50	63	N		10/31/95
53R18	161	A	DI-033	13	< 10	< 50	103	N		10/31/95
53R18	161	B	DI-033	14	< 10	< 50	98	N		10/31/95
53R18	162	A	DI-033	13	< 10	< 50	110	N		10/31/95
53R18	162	B	DI-033	14	< 10	< 50	81	N		10/31/95
53R18	163	A	DI-033	12	< 10	< 50	92	N		10/31/95
53R18	163	B	DI-033	15	< 10	< 50	86	N		10/31/95
53R18	164	A	DI-033	14	< 10	< 50	92	N		10/31/95
53R18	164	B	DI-033	13	< 10	< 50	90	N		10/31/95
53R18	165	A	DI-033	18	< 10	< 50	86	N		10/31/95
53R18	165	B	DI-033	14	< 10	< 50	82	N		10/31/95
53R18	166	A	DI-033	11	< 10	< 50	92	N		10/31/95
53R18	166	B	DI-033	14	< 10	< 50	87	N		10/31/95
53R18	167	A	DI-033	12	< 10	< 50	101	N		10/31/95
53R18	167	B	DI-033	15	< 10	< 50	88	N		10/31/95
53R18	168	A	DI-033	12	< 10	< 50	9[illegible]	N		10/31/95
53R18	168	B	DI-033	15	< 10	< 50	78	N		10/31/95
53R18	169	A	DI-008	< 10	< 10	< 50	25	N		06/16/94
53R18	169	B	DI-008	< 10	< 10	< 50	33	N		06/16/94
53R18	170	A	DI-008	< 10	< 10	< 50	54	N		06/16/94
53R18	170	B	DI-008	< 10	< 10	< 50	38	N		06 4
53R18	171	A	DI-008	22	27	< 50	111	N		06/16/94
53R18	171	B	DI-008	**178**	**120**	59	204	P		06/16/94
				TCLP Status = HAZ						
53R18	172	A	DI-008	53	**96**	261	411	P		06/16/94
				TCLP Status = HAZ						
53R18	172	B	DI-008	86	**97**	303	406	P		06/16/94
				TCLP Status = HAZ						
53R18	173	A	DI-008	**196**	**223**	**522**	940	P		06/16/94
				TCLP Status = HAZ						
53R18	173	B	DI-008	**251**	**234**	460	920	P		06/16/94
				TCLP Status = HAZ						
53R18	174	A	DI-008	273	**311**	**1020**	1457	P		06/16/94
				TCLP Status = HAZ						

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	174	B	DI-008	234	249	702	975		P	06/16/94
				TCLP Status = HAZ						
53R18	175	A	DI-008	225	179	542	1099		P	06/16/94
				TCLP Status = HAZ						
53R18	175	B	DI-008	225	153	475	776		P	06/16/94
				TCLP Status = HAZ						
53R18	176	A	DI-008	312	448	677	1166		P	06/16/94
				TCLP Status = HAZ						
53R18	176	B	DI-008	347	438	660	1067		P	06/16/94
				TCLP Status = HAZ						
53R18	177	A	DI-008	128	201	573	2146		P	06/16/94
				TCLP Status = HAZ						
53R18	177	B	DI-008	13	13	101	272		N	06/16/94
53R18	178	A	DI-008	85	159	343	655		P	06/15/94
				TCLP Status = HAZ						
53R18	178	B	DI-008	100	156	464	779		P	06/15/94
				TCLP Status = HAZ						
53R18	179	A	DI-008	402	271	496	922		P	06/15/94
				TCLP Status = HAZ						
53R18	179	B	DI-008	424	332	480	739		P	06/15/94
				TCLP Status = HAZ						
53R18	180	A	DI-008	111	110	521	1398		P	06/15/94
				TCLP Status = HAZ						
53R18	180	B	DI-008	157	145	516	1045		P	06/15/94
				TCLP Status = HAZ						
53R18	181	A	DI-008	195	102	281	434		P	06/15/94
				TCLP Status = HAZ						
53R18	181	B	DI-008	99	86	197	321		P	06/15/94
53R18	182	A	DI-008	< 10	< 10	< 50	53		N	06/15/94
53R18	182	B	DI-008	< 10	< 10	< 50	39		N	06/15/94
53R18	183	A	DI-008	< 10	< 10	< 50	34		N	06/15/94
53R18	183	B	DI-008	< 10	< 10	< 50	25		N	06/15/94
53R18	184	A	DI-033	12	< 10	< 50	84		N	10/31/95
53R18	184	B	DI-033	16	< 10	< 50	153		N	10/31/95
53R18	185	A	DI-033	10	< 10	< 50	80		N	10/31/95
53R18	185	B	DI-033	13	< 10	< 50	74		N	10/31/95
53R18	186	A	DI-033	12	< 10	< 50	86		N	10/31/95
53R18	186	B	DI-033	12	< 10	< 50	78		N	10/31/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	187	A	DI-033	13	< 10	< 50	69	N		10/31/95
53R18	187	B	DI-033	10	< 10	< 50	86	N		10/31/95
53R18	188	A	DI-033	13	< 10	< 50	91	N		10/31/95
53R18	188	B	DI-033	72	32	583	1283	P		10/31/95
53R18	189	A	DI-033	15	< 10	< 50	93	N		10/31/95
53R18	189	B	DI-033	13	< 10	< 50	97	N		10/31/95
53R18	190	A	DI-033	17	< 10	< 50	104	N		10/31/95
53R18	190	B	DI-033	< 10	< 10	< 50	92	N		10/31/95
53R18	191	A	DI-033	11	< 10	< 50	78	N		10/31/95
53R18	191	B	DI-033	12	< 10	< 50	92	N		10/31/95
53R18	192	A	DI-033	16	< 10	< 50	79	N		10/31/95
53R18	192	B	DI-033	< 10	< 10	< 50	66	N		10/31/95
53R18	193	A	DI-033	15	< 10	< 50	69	N		10/31/95
53R18	193	B	DI-033	22	15	< 50	115	N		10/31/95
53R18	194	A	DI-033	32	25	< 50	158	B		10/31/95
53R18	194	B	DI-033	28	24	60	136	N		10/31/95
53R18	195	A	DI-033	23	21	< 50	163	N		10/31/95
53R18	195	B	DI-033	14	11	< 50	111	N		10/31/95
53R18	196	A	DI-033	12	< 10	< 50	121	N		10/31/95
53R18	196	B	DI-033	13	< 10	< 50	123	N		10/31/95
53R18	197	A	DI-033	17	< 10	< 50	119	N		10/31/95
53R18	197	B	DI-033	14	< 10	< 50	107	N		10/31/95
53R18	198	A	DI-033	16	< 10	< 50	92	N		10/30/95
53R18	198	B	DI-033	10	< 10	< 50	103	N		10/30/95
53R18	199	A	DI-033	10	< 10	< 50	112	N		10/30/95
53R18	199	B	DI-033	< 10	< 10	< 50	110	N		10/30/95
53R18	200	A	DI-033	21	13	80	537	N		10/30/95
53R18	200	B	DI-033	12	14	81	454	N		10/30/95
53R18	201	A	DI-033	21	25	78	454	N		10/30/95
53R18	201	B	DI-033	15	21	62	379	N		10/30/95
53R18	202	A	DI-033	17	17	< 50	106	N		10/30/95
53R18	202	B	DI-033	16	11	< 50	88	N		10/30/95
53R18	203	A	DI-033	< 10	< 10	< 50	86	N		10/30/95
53R18	203	B	DI-033	13	< 10	< 50	106	N		10/30/95
53R18	204	A	DI-033	13	< 10	< 50	95	N		10/30/95
53R18	204	B	DI-033	11	< 10	< 50	85	N		10/30/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	205	A	DI-033	12	< 10	< 50	92	N		10/30/95
53R18	205	B	DI-033	12	< 10	< 50	86	N		10/30/95
53R18	206	A	DI-033	< 10	< 10	< 50	82	N		10/30/95
53R18	206	B	DI-033	12	< 10	< 50	83	N		10/30/95
53R18	207	A	DI-033	11	< 10	< 50	92	N		10/30/95
53R18	207	B	DI-033	13	< 10	< 50	76	N		10/30/95
53R18	208	A	DI-033	13	< 10	< 50	89	N		10/31/95
53R18	208	B	DI-033	< 10	< 10	< 50	79	N		10/31/95
53R18	209	A	DI-033	13	< 10	< 50	79	N		10/31/95
53R18	209	B	DI-033	11	< 10	< 50	73	N		10/31/95
53R18	210	A	DI-033	14	< 10	< 50	88	N		10/31/95
53R18	210	B	DI-033	12	< 10	< 50	72	N		10/31/95
53R18	211	A	DI-033	13	< 10	< 50	82	N		10/31/95
53R18	211	B	DI-033	12	< 10	< 50	64	N		10/31/95
53R18	212	A	DI-008	< 10	< 10	< 50	50	N		06/15/94
53R18	212	B	DI-008	< 10	< 10	< 50	38	N		06/15/94
53R18	213	A	DI-008	50	23	57	164	B		06/15/94
53R18	213	B	DI-008	**343**	**103**	311	680	P		06/15/94
				TCLP Status = HAZ						
53R18	214	A	DI-008	**220**	**84**	**573**	762	P		06/15/94
53R18	214	B	DI-008	**238**	**104**	**790**	976	P		06/15/94
				TCLP Status = HAZ						
53R18	215	A	DI-008	67	53	176	509	B		06/15/94
53R18	215	B	DI-008	**177**	**87**	256	634	P		06/15/94
				TCLP Status = HAZ						
53R18	216	A	DI-008	18	14	< 50	84	N		06/16/94
53R18	216	B	DI-008	56	56	92	245	B		06/16/94
53R18	217	A	DI-008	30	24	66	202	B		06/16/94
53R18	217	B	DI-008	33	26	68	164	B		06/16/94
53R18	218	A	DI-008	65	**123**	254	583	P		06/16/94
				TCLP Status = HAZ						
53R18	218	B	DI-008	69	**97**	268	694	P		06/16/94
				TCLP Status = HAZ						
53R18	219	A	DI-008	75	59	276	460	P		06/16/94
53R18	219	B	DI-008	113	69	326	663	P		06/16/94
53R18	220	A	DI-008	65	51	235	498	B		06/16/94
53R18	220	B	DI-008	**127**	**82**	315	518	P		06/16/94

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	221	A	DI-008	**117**	**83**	226	445	P		06/16/94
53R18	221	B	DI-008	**154**	**104**	275	526	P		06/16/94
				TCLP Status = HAZ						
53R18	222	A	DI-008	**158**	**186**	362	819	P		06/16/94
				TCLP Status = HAZ						
53R18	222	B	DI-008	**177**	**254**	359	926	P		06/16/94
				TCLP Status = HAZ						
53R18	223	A	DI-008	**151**	**277**	385	1029	P		06/16/94
				TCLP Status = HAZ						
53R18	223	B	DI-008	**187**	**273**	367	879	P		06/16/94
				TCLP Status = HAZ						
53R18	225	A	DI-008	**274**	**375**	**521**	1091	P		06/14/94
				TCLP Status = HAZ						
53R18	225	B	DI-008	**259**	**274**	499	1006	P		06/14/94
				TCLP Status = HAZ						
53R18	226	A	DI-008	**140**	**224**	364	1000	P		06/14/94
				TCLP Status = HAZ						
53R18	226	B	DI-008	**110**	**199**	305	1072	P		06/14/94
				TCLP Status = HAZ						
53R18	227	A	DI-008	**86**	54	145	314	P		06/14/94
53R18	227	B	DI-008	76	68	133	334	P		06/14/94
53R18	228	A	DI-008	15	25	70	189	N		06/14/94
53R18	228	B	DI-008	28	40	153	387	N		06/14/94
53R18	229	A	DI-008	98	30	168	207	P		06/14/94
53R18	229	B	DI-008	45	41	210	481	B		06/14/94
53R18	230	A	DI-008	< 10	11	103	188	N		06/14/94
53R18	230	B	DI-008	46	42	261	609	B		06/14/94
53R18	231	A	DI-008	< 10	< 10	< 50	79	N		06/14/94
53R18	231	B	DI-008	10	< 10	< 50	69	N		06/14/94
53R18	232	A	DI-008	11	< 10	< 50	40	N		06/15/94
53R18	232	B	DI-008	11	< 10	< 50	54	N		06/15/94
53R18	233	A	DI-008	50	34	126	346	B		06/15/94
53R18	233	B	DI-008	79	53	346	971	P		06/15/94
53R18	234	A	DI-008	< 10	< 10	< 50	76	N		06/15/94
53R18	234	B	DI-008	53	39	178	525	B		06/15/94
53R18	235	A	DI-008	13	< 10	< 50	76	N		06/15/94
53R18	235	B	DI-008	< 10	< 10	< 50	54	N		06/15/94

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	236	A	DI-008	< 10	< 10	< 50	86	N		06/15/94
53R18	236	B	DI-008	< 10	< 10	< 50	89	N		06/15/94
53R18	237	A	DI-033	15	< 10	< 50	74	N		10/30/95
53R18	237	B	DI-033	< 10	< 10	< 50	66	N		10/30/95
53R18	238	A	DI-033	13	< 10	< 50	78	N		10/30/95
53R18	238	B	DI-033	14	< 10	< 50	90	N		10/30/95
53R18	239	A	DI-033	13	< 10	< 50	80	N		10/30/95
53R18	239	B	DI-033	16	< 10	< 50	71	N		10/30/95
53R18	240	A	DI-033	13	< 10	< 50	75	N		10/30/95
53R18	240	B	DI-033	< 10	< 10	< 50	88	N		10/30/95
53R18	241	A	DI-033	17	12	< 50	118	N		10/30/95
53R18	241	B	DI-033	11	< 10	< 50	80	N		10/30/95
53R18	242	A	DI-033	16	< 10	< 50	85	N		10/30/95
53R18	242	B	DI-033	< 10	< 10	< 50	81	N		10/30/95
53R18	243	A	DI-033	15	< 10	< 50	99	N		10/30/95
53R18	243	B	DI-033	11	< 10	< 50	112	N		10/30/95
53R18	244	A	DI-033	14	< 10	< 50	105	N		10/30/95
53R18	244	B	DI-033	12	< 10	< 50	118	N		10/30/95
53R18	245	A	DI-033	16	< 10	< 50	97	N		10/30/95
53R18	245	B	DI-033	15	< 10	< 50	92	N		10/30/95
53R18	246	A	DI-033	12	< 10	< 50	131	N		10/30/95
53R18	246	B	DI-033	16	< 10	< 50	101	N		10/30/95
53R18	247	A	DI-033	13	< 10	< 50	58	N		10/30/95
53R18	247	B	DI-033	11	< 10	< 50	69	N		10/30/95
53R18	248	A	DI-033	10	< 10	< 50	76	N		10/30/95
53R18	248	B	DI-033	< 10	< 10	< 50	53	N		10/30/95
53R18	249	A	DI-033	13	< 10	< 50	91	N		10/30/95
53R18	249	B	DI-033	13	< 10	< 50	94	N		10/30/95
53R18	250	A	DI-033	18	< 10	< 50	103	N		10/30/95
53R18	250	B	DI-033	< 10	< 10	< 50	91	N		10/30/95
53R18	251	A	DI-032	14	< 10	< 50	103	N		10/26/95
53R18	251	B	DI-032	13	< 10	< 50	95	N		10/26/95
53R18	252	A	DI-032	12	< 10	< 50	103	N		10/26/95
53R18	252	B	DI-032	< 10	< 10	< 50	95	N		10/26/95
53R18	253	A	DI-032	12	< 10	< 50	99	N		10/26/95
53R18	253	B	DI-032	13	< 10	< 50	80	N		10/26/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Da
53R18	254	A	DI-032	11	< 10	< 50	80	N		10/26/
53R18	254	B	DI-032	13	< 10	< 50	74	N		10/26
53R18	255	A	DI-032	14	< 10	60	111	N		10/26/
53R18	255	B	DI-032	12	< 10	< 50	104	N		10/26
53R18	256	A	DI-032	15	< 10	< 50	159	N		10/26/
53R18	256	B	DI-032	12	< 10	< 50	97	N		10/26
53R18	257	A	DI-032	26	17	< 50	201	N		10/26/
53R18	257	B	DI-032	19	11	< 50	127	N		10/26/
53R18	258	A	DI-032	12	< 10	< 50	91	N		10/26/
53R18	258	B	DI-032	15	< 10	< 50	88	N		10/26/
53R18	259	A	DI-032	13	< 10	< 50	87	N		10/26/
53R18	259	B	DI-032	11	< 10	< 50	92	N		10/26/
53R18	260	A	DI-032	14	< 10	< 50	71	N		10/26/
53R18	260	B	DI-032	10	< 10	< 50	82	N		10/26/
53R18	261	A	DI-032	< 10	< 10	< 50	84	N		10/26/
53R18	261	B	DI-032	12	< 10	< 50	78	N		10/26/
53R18	262	A	DI-032	11	< 10	< 50	80	N		10/27/
53R18	262	B	DI-032	15	< 10	< 50	80	N		10/27/9
53R18	263	A	DI-033	13	< 10	< 50	85	N		10/30/
53R18	263	B	DI-033	13	< 10	< 50	84	N		10/30/9
53R18	264	A	DI-033	14	< 10	< 50	72	N		10/30/
53R18	264	B	DI-033	17	< 10	< 50	94	N		10/30/9
53R18	265	A	DI-008	< 10	< 10	< 50	43	N		06/15/
53R18	265	B	DI-008	< 10	< 10	< 50	40	N		06/15/
53R18	266	A	DI-008	< 10	< 10	< 50	36	N		06/15/
53R18	266	B	DI-008	< 10	< 10	< 50	31	N		06/15/9
53R18	267	A	DI-008	< 10	< 10	< 50	24	N		06/15/9
53R18	267	B	DI-008	< 10	< 10	< 50	22	N		06/15/9
53R18	268	A	DI-008	16	13	92	265	N		06/15/9
53R18	268	B	DI-008	40	19	126	253	B		06/15/9
53R18	269	A	DI-008	< 10	< 10	54	108	N		06/15/94
53R18	269	B	DI-008	34	54	309	707	B		06/15/9
53R18	270	A	DI-008	< 10	< 10	< 50	62	N		06/14/94
53R18	270	B	DI-008	< 10	< 10	88	195	N		06/14/9
53R18	271	A	DI-008	< 10	< 10	< 50	86	N		06/14/94
53R18	271	B	DI-008	< 10	< 10	< 50	53	N		06/14/94

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	272	A	DI-008	< 10	< 10	< 50	97	N		06/14/94
53R18	272	B	DI-008	< 10	< 10	50	70	N		06/14/94
53R18	273	A	DI-008	12	< 10	< 50	90	N		06/14/94
53R18	273	B	DI-008	33	64	164	384	B		06/14/94
53R18	274	A	DI-008	**102**	**104**	366	773	P		06/14/94
				TCLP Status = HAZ						
53R18	274	B	DI-008	**109**	**82**	490	942	P		06/14/94
53R18	275	A	DI-008	**194**	**253**	389	1039	P		06/14/94
				TCLP Status = HAZ						
53R18	275	B	DI-008	**144**	**183**	339	810	P		06/14/94
				TCLP Status = HAZ						
53R18	276	A	DI-008	**101**	**242**	461	1042	P		06/14/94
				TCLP Status = HAZ						
53R18	276	B	DI-008	**97**	**177**	465	807	P		06/14/94
				TCLP Status = HAZ						
53R18	277	A	DI-008	**139**	**184**	**533**	1191	P		06/14/94
				TCLP Status = HAZ						
53R18	277	B	DI-008	**154**	**192**	**623**	1527	P		06/14/94
				TCLP Status = HAZ						
53R18	278	A	DI-008	**89**	**104**	322	589	P		06/14/94
				TCLP Status = HAZ						
53R18	278	B	DI-008	**193**	**106**	379	550	P		06/14/94
				TCLP Status = HAZ						
53R18	279	A	DI-008	39	43	221	363	B		06/14/94
53R18	279	B	DI-008	76	57	401	798	P		06/14/94
53R18	280	A	DI-008	< 10	< 10	77	78	N		06/14/94
53R18	280	B	DI-008	33	37	170	312	B		06/14/94
53R18	281	A	DI-008	< 10	< 10	81	104	N		06/14/94
53R18	281	B	DI-008	< 10	< 10	118	115	N		06/14/94
53R18	282	A	DI-008	< 10	< 10	< 50	54	N		06/14/94
53R18	282	B	DI-008	< 10	< 10	< 50	75	N		06/14/94
53R18	283	A	DI-008	< 10	< 10	194	90	N		06/14/94
53R18	283	B	DI-008	11	< 10	133	210	N		06/14/94
53R18	284	A	DI-008	15	< 10	< 50	64	N		06/13/94
53R18	284	B	DI-008	19	< 10	59	95	N		06/13/94
53R18	285	A	DI-008	37	< 10	111	162	B		06/13/94
53R18	285	B	DI-008	31	< 10	112	150	B		06/13/94

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	286	A	DI-008	< 10	< 10	58	69	N		06/13/94
53R18	286	B	DI-008	< 10	< 10	< 50	39	N		06/13/94
53R18	287	A	DI-008	< 10	< 10	< 50	38	N		06/13/94
53R18	287	B	DI-008	< 10	< 10	< 50	33	N		06/13/94
53R18	288	A	DI-008	< 10	< 10	< 50	29	N		06/13/94
53R18	288	B	DI-008	< 10	< 10	< 50	24	N		06/13/94
53R18	289	A	DI-032	12	< 10	< 50	93	N		10/26/95
53R18	289	B	DI-032	< 10	< 10	< 50	74	N		10/26/95
53R18	290	A	DI-032	12	< 10	< 50	90	N		10/26/95
53R18	290	B	DI-032	< 10	< 10	< 50	84	N		10/26/95
53R18	291	A	DI-032	12	< 10	< 50	85	N		10/26/95
53R18	291	B	DI-032	13	< 10	< 50	76	N		10/26/95
53R18	292	A	DI-032	17	< 10	< 50	105	N		10/26/95
53R18	292	B	DI-032	11	< 10	< 50	93	N		10/26/95
53R18	293	A	DI-032	23	45	178	562	N		10/26/95
53R18	293	B	DI-032	21	21	103	369	N		10/26/95
53R18	294	A	DI-032	37	59	350	558	B		10/26/95
53R18	294	B	DI-032	33	43	286	644	B		10/26/95
53R18	295	A	DI-032	41	**107**	247	672	P		10/26/95
				TCLP Status = HAZ						
53R18	295	B	DI-032	54	**120**	309	1098	P		10/26/95
				TCLP Status = HAZ						
53R18	296	A	DI-032	14	11	< 50	119	N		10/26/95
53R18	296	B	DI-032	22	27	69	227	N		10/26/95
53R18	297	A	DI-032	14	< 10	< 50	93	N		10/26/95
53R18	297	B	DI-032	23	< 10	< 50	153	N		10/26/95
53R18	298	A	DI-032	12	< 10	< 50	95	N		10/26/95
53R18	298	B	DI-032	13	< 10	< 50	101	N		10/26/95
53R18	299	A	DI-032	15	< 10	< 50	95	N		10/26/95
53R18	299	B	DI-032	14	< 10	< 50	96	N		10/26/95
53R18	300	A	DI-032	10	< 10	< 50	79	N		10/26/95
53R18	300	B	DI-032	< 10	< 10	< 50	72	N		10/26/95
53R18	301	A	DI-032	< 10	< 10	< 50	105	N		10/26/95
53R18	301	B	DI-032	< 10	< 10	< 50	93	N		10/26/95
53R18	302	A	DI-032	11	< 10	< 50	97	N		10/26/95
53R18	302	B	DI-032	< 10	< 10	< 50	97	N		10/26/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	303	A	DI-032	13	< 10	< 50	101	N		10/25/95
53R18	303	B	DI-032	16	< 10	< 50	96	N		10/25/95
53R18	304	A	DI-032	19	< 10	< 50	88	N		10/25/95
53R18	304	B	DI-032	12	< 10	< 50	88	N		10/25/95
53R18	305	A	DI-032	13	11	< 50	114	N		10/25/95
53R18	305	B	DI-032	12	< 10	< 50	90	N		10/25/95
53R18	306	A	DI-032	17	< 10	57	126	N		10/25/95
53R18	306	B	DI-032	14	< 10	< 50	94	N		10/25/95
53R18	307	A	DI-032	14	< 10	< 50	101	N		10/25/95
53R18	307	B	DI-032	11	< 10	< 50	96	N		10/25/95
53R18	308	A	DI-032	20	< 10	< 50	99	N		10/25/95
53R18	308	B	DI-032	13	10	< 50	112	N		10/25/95
53R18	309	A	DI-032	11	18	< 50	122	N		10/26/95
53R18	309	B	DI-032	24	63	116	275	N		10/26/95
53R18	310	A	DI-032	28	58	474	380	N		10/26/95
53R18	310	B	DI-032	29	57	370	509	B		10/26/95
53R18	311	A	DI-032	22	34	197	358	N		10/26/95
53R18	311	B	DI-032	25	30	198	498	N		10/26/95
53R18	312	A	DI-032	13	< 10	< 50	117	N		10/26/95
53R18	312	B	DI-032	19	19	< 50	175	N		10/26/95
53R18	313	A	DI-032	14	< 10	76	157	N		10/26/95
53R18	313	B	DI-032	17	< 10	99	130	N		10/26/95
53R18	314	A	DI-032	20	16	171	243	N		10/26/95
53R18	314	B	DI-032	26	21	143	325	N		10/26/95
53R18	315	A	DI-032	23	36	190	415	N		10/26/95
53R18	315	B	DI-032	32	28	180	447	B		10/26/95
53R18	316	A	DI-032	21	13	77	178	N		10/26/95
53R18	316	B	DI-032	21	14	74	153	N		10/26/95
53R18	317	A	DI-008	< 10	< 10	< 50	20	N		06/13/94
53R18	317	B	DI-008	< 10	< 10	< 50	29	N		06/13/94
53R18	318	A	DI-008	< 10	< 10	< 50	43	N		06/13/94
53R18	318	B	DI-008	11	< 10	< 50	31	N		06/13/94
53R18	319	A	DI-008	13	< 10	79	113	N		06/13/94
53R18	319	B	DI-008	< 10	< 10	140	66	N		06/13/94
53R18	320	A	DI-008	< 10	< 10	< 50	59	N		06/13/94
53R18	320	B	DI-008	12	< 10	61	69	N		06/13/94

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	321	A	DI-008	< 10	< 10	< 50	47	N		06/13/94
53R18	321	B	DI-008	< 10	< 10	< 50	68	N		06/13/94
53R18	322	A	DI-008	< 10	< 10	< 50	45	N		06/14/94
53R18	322	B	DI-008	< 10	< 10	61	69	N		06/14/94
53R18	323	A	DI-008	11	18	63	96	N		06/14/94
53R18	323	B	DI-008	13	16	58	139	N		06/14/94
53R18	324	A	DI-008	13	< 10	< 50	33	N		06/14/94
53R18	324	B	DI-008	10	< 10	94	105	N		06/14/94
53R18	325	A	DI-008	< 10	< 10	< 50	51	N		06/14/94
53R18	325	B	DI-008	< 10	< 10	50	34	N		06/14/94
53R18	326	A	DI-008	< 10	< 10	< 50	57	N		06/14/94
53R18	326	B	DI-008	< 10	< 10	< 50	55	N		06/14/94
53R18	327	A	DI-008	20	62	233	802	N		06/14/94
53R18	327	B	DI-008	38	77	275	817	P		06/14/94
53R18	328	A	DI-008	72	80	1327	5096	P		06/14/94
53R18	328	B	DI-008	85	42	939	3463	P		06/14/94
53R18	330	A	DI-007	27	73	386	1248	N		06/10/94
53R18	330	B	DI-007	42	41	327	957	B		06/10/94
53R18	331	A	DI-007	138	136	311	709	P		06/10/94
				TCLP Status = HAZ						
53R18	331	B	DI-007	151	173	353	878	P		06/10/94
				TCLP Status = HAZ						
53R18	332	A	DI-007	< 10	< 10	107	116	N		06/10/94
53R18	332	B	DI-007	< 10	< 10	130	138	N		06/10/94
53R18	333	A	DI-008	< 10	< 10	< 50	52	N		06/13/94
53R18	333	A	DI-011	< 10	< 10	< 50	63	N		07/07/94
53R18	333	B	DI-008	< 10	< 10	< 50	55	N		06/13/94
53R18	333	B	DI-011	13	< 10	< 50	38	N		07/07/94
53R18	334	A	DI-008	< 10	< 10	126	136	N		06/13/94
53R18	334	B	DI-008	< 10	< 10	128	117	N		06/13/94
53R18	335	A	DI-008	< 10	< 10	100	115	N		06/13/94
53R18	335	B	DI-008	< 10	< 10	97	108	N		06/13/94
53R18	336	A	DI-008	35	28	81	170	B		06/13/94
53R18	336	B	DI-008	23	23	62	143	N		06/13/94
53R18	337	A	DI-008	< 10	< 10	< 50	58	N		06/13/94
53R18	337	B	DI-008	< 10	< 10	< 50	42	N		06/13/94

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	338	A	DI-008	< 10	< 10	< 50	81		N	06/13/94
53R18	338	B	DI-008	< 10	< 10	< 50	78		N	06/13/94
53R18	339	A	DI-008	< 10	< 10	< 50	45		N	06/13/94
53R18	339	B	DI-008	< 10	< 10	< 50	42		N	06/13/94
53R18	340	A	DI-008	< 10	< 10	< 50	55		N	06/13/94
53R18	340	B	DI-008	< 10	< 10	< 50	47		N	06/13/94
53R18	341	A	DI-008	< 10	< 10	< 50	49		N	06/13/94
53R18	341	B	DI-008	< 10	< 10	< 50	56		N	06/13/94
53R18	342	A	DI-032	13	< 10	< 50	91		N	10/25/95
53R18	342	B	DI-034	15	< 10	< 50	61		N	11/10/95
53R18	343	A	DI-032	33	29	173	942		B	10/25/95
53R18	343	B	DI-032	31	31	202	440		B	10/25/95
53R18	344	A	DI-032	30	69	175	389		B	10/25/95
53R18	344	B	DI-032	22	59	265	675		N	10/25/95
53R18	345	A	DI-032	14	27	84	290		N	10/25/95
53R18	345	B	DI-032	20	24	169	530		N	10/25/95
53R18	346	A	DI-032	29	37	144	347		B	10/25/95
53R18	346	B	DI-032	61	21	142	172		B	10/25/95
53R18	347	A	DI-032	20	23	109	273		N	10/25/95
53R18	347	B	DI-032	24	21	170	292		N	10/25/95
53R18	348	A	DI-032	46	**104**	430	697		P	10/25/95
				TCLP Status = HAZ						
53R18	348	B	DI-032	57	**124**	403	638		P	10/25/95
				TCLP Status = HAZ						
53R18	349	A	DI-032	15	12	< 50	105		N	10/25/95
53R18	349	B	DI-032	18	25	63	172		N	10/25/95
53R18	350	A	DI-032	13	< 10	< 50	72		N	10/25/95
53R18	350	B	DI-032	11	< 10	< 50	61		N	10/25/95
53R18	351	A	DI-032	17	< 10	< 50	105		N	10/25/95
53R18	351	B	DI-032	14	< 10	< 50	76		N	10/25/95
53R18	352	A	DI-032	15	< 10	< 50	108		N	10/25/95
53R18	352	B	DI-032	11	< 10	< 50	89		N	10/25/95
53R18	353	A	DI-032	18	< 10	< 50	106		N	10/25/95
53R18	353	B	DI-032	< 10	< 10	< 50	89		N	10/25/95
53R18	354	A	DI-032	15	< 10	< 50	75		N	10/25/95
53R18	354	B	DI-032	14	< 10	< 50	80		N	10/25/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	den	S. Date
53R18	355	A	DI-032	11	11	< 50	95	N		10/25/95
53R18	355	B	DI-032	13	< 10	< 50	93	N		10/25
53R18	356	A	DI-032	**97**	**155**	197	332	P		10/24/95
				TCLP Status = HAZ						
53R18	356	B	DI-032	**76**	**116**	156	297	P		10/24/95
				TCLP Status = HAZ						
53R18	357	A	DI-032	13	< 10	< 50	87	N		10/24/95
53R18	357	B	DI-032	18	12	< 50	110	N		10/24/95
53R18	358	A	DI-032	50	**80**	126	255	P		10/24/95
53R18	358	B	DI-032	26	37	60	162	N		10/24/95
53R18	359	A	DI-032	64	**130**	203	449	P		10/24
				TCLP Status = HAZ						
53R18	359	B	DI-032	39	63	103	212	B		10/24/95
53R18	360	A	DI-032	18	32	93	176	N		10/24/95
53R18	360	B	DI-032	19	24	79	183	N		10/24/95
53R18	361	A	DI-032	20	37	64	188	N		10/25/95
53R18	361	B	DI-032	26	45	81	212	N		10/25/95
53R18	362	A	DI-032	43	**78**	233	681	P		10 95
53R18	362	B	DI-032	26	52	158	482	N		10/25/95
53R18	363	A	DI-032	42	**86**	240	743	P		10/25/95
53R18	363	B	DI-032	37	**89**	180	544	P		/25/95
				TCLP Status = HAZ						
53R18	364	A	DI-032	56	**89**	**719**	848	P		10/25/95
				TCLP Status = HAZ						
53R18	364	B	DI-032	32	52	335	568	B		10/25/95
53R18	365	A	DI-032	60	77	411	910	P		10/25/95
53R18	365	B	DI-032	31	13	169	224	B		10/25/95
53R18	366	A	DI-032	16	< 10	78	179	N		10/25/95
53R18	366	B	DI-032	21	< 10	115	314	N		10/25/95
53R18	367	A	DI-032	24	50	134	289	N		10/25/95
53R18	367	B	DI-032	18	25	80	191	N		10/25/95
53R18	368	A	DI-032	14	20	87	228	N		10/25/95
53R18	368	B	DI-032		52	232	598	B		10/25/95
53R18	369	A	DI-032	27	70	300	413	N		10/25/95
53R18	369	B	DI-032	18	< 10	50	185	N		10/25/95
53R18	370	A	DI-008	10	< 10	< 50	49	N		06/13/94
53R18	370	B	DI-008	12	< 10	< 50	52	N		06/13/94

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	371	A	DI-008	< 10	< 10	< 50	52		N	06/13/94
53R18	371	B	DI-008	< 10	< 10	< 50	52		N	06/13/94
53R18	372	A	DI-008	< 10	13	66	321		N	06/13/94
53R18	372	B	DI-008	< 10	< 10	61	307		N	06/13/94
53R18	373	A	DI-008	69	58	140	402		B	06/13/94
53R18	373	B	DI-008	47	46	153	452		B	06/13/94
53R18	374	A	DI-008	38	62	180	462		B	06/13/94
53R18	374	B	DI-008	33	41	178	567		B	06/13/94
53R18	375	A	DI-008	18	26	117	482		N	06/13/94
53R18	375	B	DI-008	14	21	149	477		N	06/13/94
53R18	376	A	DI-008	< 10	< 10	< 50	57		N	06/13/94
53R18	376	B	DI-008	< 10	< 10	73	57		N	06/13/94
53R18	377	A	DI-008	< 10	< 10	< 50	37		N	06/13/94
53R18	377	B	DI-008	< 10	< 10	< 50	12		N	06/13/94
53R18	378	A	DI-008	< 10	< 10	53	95		N	06/13/94
53R18	378	A	DI-011	< 10	< 10	< 50	59		N	07/07/94
53R18	378	B	DI-008	< 10	< 10	< 50	87		N	06/13/94
53R18	378	B	DI-011	< 10	< 10	< 50	39		N	07/07/94
53R18	379	A	DI-007	14	< 10	< 50	63		N	06/10/94
53R18	379	B	DI-007	13	11	86	104		N	06/10/94
53R18	380	A	DI-007	70	**147**	470	944		P	06/10/94
				TCLP Status = HAZ						
53R18	380	B	DI-007	**92**	**137**	**503**	1067		P	06/10/94
				TCLP Status = HAZ						
53R18	381	A	DI-007	10	45	**509**	437		P	06/10/94
53R18	381	B	DI-007	17	26	350	413		N	06/10/94
53R18	382	A	DI-007	< 10	41	407	335		N	06/10/94
53R18	382	B	DI-007	12	20	372	299		N	06/10/94
53R18	383	A	DI-007	68	70	**751**	559		P	06/10/94
53R18	383	B	DI-007	**156**	**94**	**710**	740		P	06/10/94
				TCLP Status = HAZ						
53R18	384	A	DI-007	10	< 10	< 50	67		N	06/10/94
53R18	384	B	DI-007	< 10	< 10	< 50	56		N	06/10/94
53R18	385	A	DI-007	< 10	< 10	< 50	32		N	06/10/94
53R18	385	B	DI-007	< 10	< 10	< 50	14		N	06/10/94
53R18	386	A	DI-007	< 10	< 10	< 50	29		N	06/10/94

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	386	B	DI-007	< 10	< 10	< 50	14	N		06/10/94
53R18	387	A	DI-007	29	70	324	952	B		06/10/94
53R18	387	B	DI-007	31	44	689	1976	P		06/10/94
53R18	388	A	DI-007	106	110	534	1319	P		06/10/94
				TCLP Status = HAZ						
53R18	388	B	DI-007	55	74	352	993	P		06/10/94
53R18	389	A	DI-007	23	33	213	694	N		06/10/94
53R18	389	B	DI-007	25	33	193	693	N		06/10/94
53R18	390	A	DI-007	40	60	408	1512	B		06/10/94
53R18	390	B	DI-007	19	31	245	847	N		06/10/94
53R18	391	A	DI-007	26	58	357	1414	N		06/10/94
53R18	391	B	DI-007	41	48	330	1460	B		06/10/94
53R18	392	A	DI-007	34	71	206	762	B		06/10/94
53R18	392	B	DI-007	40	53	379	1780	B		06/10/94
53R18	393	A	DI-007	35	120	549	2010	P		06/10/94
				TCLP Status = HAZ						
53R18	393	B	DI-007	45	87	463	1870	P		06/10/94
				TCLP Status = HAZ						
53R18	394	A	DI-032	57	94	484	1981	P		10/24/95
				TCLP Status = HAZ						
53R18	394	B	DI-032	80	148	811	3376	P		10/24/95
				TCLP Status = HAZ						
53R18	395	A	DI-032	68	140	353	1018	P		10/24/95
				TCLP Status = HAZ						
53R18	395	B	DI-032	88	190	682	2096	P		10/24/95
				TCLP Status = HAZ						
53R18	396	A	DI-032	59	268	562	1174	P		10/24/95
				TCLP Status = HAZ						
53R18	396	B	DI-032	37	137	636	2530	P		10/24/95
				TCLP Status = HAZ						
53R18	397	A	DI-032	44	249	448	1042	P		10/24/95
				TCLP Status = HAZ						
53R18	397	B	DI-032	41	72	287	782	B		10/24/95
53R18	398	A	DI-007	94	287	1269	3566	P		06/10/94
				TCLP Status = HAZ						
53R18	398	B	DI-007	79	212	1085	3211	P		06/10/94
				TCLP Status = HAZ						
53R18	399	A	DI-007	39	129	987	3424	P		06/10/94
				TCLP Status = HAZ						

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	399	B	DI-007	67	**178**	**1031**	3042	P		06/10/94
				TCLP Status = HAZ						
53R18	400	A	DI-007	66	**139**	**654**	2368	P		06/10/94
				TCLP Status = HAZ						
53R18	400	B	DI-007	58	**81**	**1294**	4188	P		06/10/94
53R18	401	A	DI-007	38	**90**	**812**	2805	P		06/10/94
				TCLP Status = HAZ						
53R18	401	B	DI-007	39	72	**971**	3495	P		06/10/94
53R18	402	A	DI-007	34	**91**	396	1252	P		06/10/94
				TCLP Status = HAZ						
53R18	402	B	DI-007	27	67	455	1601	N		06/10/94
53R18	403	A	DI-007	**77**	**174**	**765**	2765	P		06/10/94
				TCLP Status = HAZ						
53R18	403	B	DI-007	53	**104**	**719**	3186	P		06/10/94
				TCLP Status = HAZ						
53R18	404	A	DI-007	28	**74**	258	806	P		06/10/94
53R18	404	B	DI-007	28	54	306	860	N		06/10/94
53R18	405	A	DI-007	22	< 10	63	107	N		06/10/94
53R18	405	B	DI-007	< 10	< 10	57	48	N		06/10/94
53R18	406	A	DI-007	23	14	85	141	N		06/10/94
53R18	406	B	DI-007	13	< 10	< 50	71	N		06/10/94
53R18	407	A	DI-007	< 10	< 10	< 50	53	N		06/10/94
53R18	407	B	DI-007	< 10	< 10	< 50	66	N		06/10/94
53R18	408	A	DI-007	27	**97**	312	477	P		06/10/94
				TCLP Status = HAZ						
53R18	408	B	DI-007	28	61	495	669	N		06/10/94
53R18	409	A	DI-007	10	36	379	328	N		06/10/94
53R18	409	B	DI-007	14	18	369	287	N		06/10/94
53R18	411	A	DI-007	12	41	350	278	N		06/09/94
53R18	411	B	DI-007	< 10	20	297	193	N		06/09/94
53R18	412	A	DI-007	77	**110**	383	709	P		06/09/94
				TCLP Status = HAZ						
53R18	412	B	DI-007	41	**103**	462	653	P		06/09/94
				TCLP Status = HAZ						
53R18	413	A	DI-007	< 10	< 10	135	185	N		06/09/94
53R18	413	B	DI-007	< 10	< 10	161	176	N		06/09/94
53R18	414	A	DI-007	< 10	< 10	< 50	34	N		06/09/94

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	414	B	DI-007	< 10	< 10	< 50	30	N		06/09/94
53R18	415	A	DI-007	43	**86**	**829**	2083	P		06/09/94
53R18	415	B	DI-007	46	**107**	**1077**	3278	P		06/09/94
				TCLP Status = HAZ						
53R18	416	A	DI-007	22	**101**	**891**	2766	P		06/09/94
				TCLP Status = HAZ						
53R18	416	B	DI-007	32	**122**	**1167**	3449	P		06/09/94
				TCLP Status = HAZ						
53R18	417	A	DI-007	24	**111**	**841**	2646	P		06/09/94
				TCLP Status = HAZ						
53R18	417	B	DI-007	25	**48**	**697**	2291	P		06/09/94
53R18	418	A	DI-007	29	**91**	**798**	2669	P		06/09/94
				TCLP Status = HAZ						
53R18	418	B	DI-007	25	64	**1448**	4533	P		06/09/94
53R18	419	A	DI-007	68	**107**	**2120**	7067	P		06/09/94
				TCLP Status = HAZ						
53R18	419	B	DI-007	62	**74**	**2110**	7721	P		06/09/94
53R18	420	A	DI-007	18	32	486	1607	N		06/09/94
53R18	420	B	DI-007	17	29	**775**	2830	P		06/09/94
53R18	421	A	DI-007	42	58	**1309**	5484	P		06/10/94
53R18	421	B	DI-007	42	68	**1449**	5332	P		06/10/94
53R18	422	A	DI-007	33	53	**814**	2964	P		06/10/94
53R18	422	B	DI-007	34	37	**794**	3257	P		06/10/94
53R18	423	A	DI-032	40	**205**	238	398	P		10/23/95
				TCLP Status = HAZ						
53R18	423	B	DI-032	25	**101**	141	225	P		10/23/95
				TCLP Status = HAZ						
53R18	424	A	DI-032	45	**222**	367	904	P		10/23/95
				TCLP Status = HAZ						
53R18	424	B	DI-032	43	**225**	327	697	P		10/23/95
				TCLP Status = HAZ						
53R18	425	A	DI-032	43	**250**	395	782	P		10/23/95
				TCLP Status = HAZ						
53R18	425	B	DI-032	37	**135**	248	465	P		10/23/95
				TCLP Status = HAZ						
53R18	426	A	DI-032	23	70	408	1096	N		10/23/95
53R18	426	B	DI-032	24	40	386	1141	N		10/23/95
53R18	427	A	DI-007	14	24	**534**	1921	P		06/10/95

Prop No	Sector	Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden	S. Date
53R18	427	B	DI-007	24	43	**545**	1973	P		06/10/94
53R18	428	A	DI-007	23	43	494	1705	N		06/10/94
53R18	428	B	DI-007	50	55	**795**	3364	P		06/10/94
53R18	429	A	DI-007	21	19	252	864	N		06/09/94
53R18	429	B	DI-007	17	30	359	1078	N		06/09/94
53R18	430	A	DI-007	44	**107**	**1084**	3511	P		06/09/94
				TCLP Status = HAZ						
53R18	430	B	DI-007	53	**81**	**1582**	4995	P		06/09/94
53R18	431	A	DI-007	60	63	**2237**	8809	P		06/09/94
53R18	431	B	DI-007	61	40	**1941**	7375	P		06/09/94
53R18	432	A	DI-007	< 10	54	445	1210	N		06/09/94
53R18	432	B	DI-007	< 10	49	**534**	1422	P		06/09/94
53R18	433	A	DI-007	21	**105**	434	1075	P		06/09/94
				TCLP Status = HAZ						
53R18	433	B	DI-007	33	**115**	**848**	2104	P		06/09/94
				TCLP Status = HAZ						
53R18	434	A	DI-007	51	**114**	**686**	2376	P		06/09/94
				TCLP Status = HAZ						
53R18	434	B	DI-007	60	**104**	**1439**	5706	P		06/09/94
				TCLP Status = HAZ						
53R18	435	A	DI-007	40	**106**	361	1107	P		06/09/94
				TCLP Status = HAZ						
53R18	435	B	DI-007	49	**104**	**730**	1386	P		06/09/94
				TCLP Status = HAZ						
53R18	436	A	DI-007	11	**74**	472	1153	P		06/09/94
53R18	436	B	DI-007	31	49	**578**	1357	P		06/09/94
53R18	437	A	DI-007	< 10	36	272	417	N		06/06/94
53R18	437	B	DI-007	< 10	35	336	584	N		06/06/94
53R18	438	A	DI-007	< 10	20	56	115	N		06/06/94
53R18	438	B	DI-007	< 10	< 10	< 50	64	N		06/06/94
53R18	439	A	DI-007	< 10	26	86	218	N		06/06/94
53R18	439	B	DI-007	< 10	12	71	193	N		06/06/94
53R18	441	A	DI-007	< 10	28	57	169	N		06/06/94
53R18	441	B	DI-007	10	29	168	436	N		06/06/94
53R18	442	A	DI-007	21	**79**	**545**	1428	P		06/06/94
53R18	442	B	DI-007	19	52	**891**	2412	P		06/06/94
53R18	443	A	DI-007	29	61	290	822	B		06/09/94

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		Depth	DI #	As Report	Cd Report	Pb Report	Zn Report	Sect_class	Garden
53R18	443	B	DI-007	20	35	350	1059	N	06
53R18	444	A	DI-007	31	93	741	2345	P	0
				TCLP Status = HAZ					
53R18	444	B	DI-007	59	68	1530	5047	P	0
53R18	446	A	DI-007	32	87	1284	3919	P	06/
				TCLP Status = HAZ					
53R18	446	B	DI-007	38	74	2036	6572	P	06
53R18	447	A	DI-007	40	111	1621	5218	P	06/
				TCLP Status = HAZ					
53R18	447	B	DI-007	41	69	1430	4144	P	06/
53R18	448	A	DI-007	36	52	1653	5496	P	06/
53R18	448	B	DI-007	42	54	1717	6126	P	06/0
53R18	449	A	DI-007	45	80	877	2744	P	06/
53R18	449	B	DI-007	26	46	844	3446	P	06/0
53R18	450	A	DI-007	44	85	872	2696	P	06/0
53R18	450	B	DI-007	20	46	1094	4426	P	06/0
53R18	451	A	DI-007	23	38	579	2310	P	06/0
53R18	451	B	DI-007	14	32	548	2122	P	06/09
53R18	453	A	DI-007	35	62	1104	3541	P	06/09
53R18	453	B	DI-007	27	44	955	3185	P	06/09
53R18	454	A	DI-032	29	40	651	2096	P	10/23/
53R18	454	B	DI-032	42	30	797	2345	P	10/23
53R18	455	A	DI-032	22	24	526	1883	P	10/23/
53R18	455	B	DI-032	25	21	673	2179	P	10/23/
53R18	456	A	DI-032	38	36	444	1511	B	10/23/
53R18	456	B	DI-032	69	23	407	1197	B	10/23/

```
select prop_no from owner where 'HELLER' $ owner or 'HELCO' $ owner order by prop_no into table temp
SELECT Csall.*;
 FROM  globe!csall INNER JOIN temp ;
  ON  Csall.prop_no = Temp.prop_no;
ORDER BY Csall.sample_no
```

SAMPLE INFORMATION
Date: 11/29/98

Job Number.: 983033
Customer...: URS Operating Services
Attn.....: Karen Kuoppala

Project Number.....: 98000314
Customer Project ID....: 7580809/HELLER
Project Description....: Heller Properties

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
983033-1	GW-95 HP-GW-02	Water	11/16/1998	14:20	11/17/1998	09:50
983033-2	GW-84 HP-GW-04	Water	11/16/1998	13:00	11/17/1998	09:50
983033-3	GW-94 HP-GW-06	Water	11/16/1998	11:15	11/17/1998	09:50

LABORATORY TEST RESULTS

Job Number: 983033 Date: 11/29/98

CUSTOMER: URS Operating Services PROJECT: 7580809/NELLEK ATTN: Karen Koppala

Customer Sample ID: GW-95 MP-GW-02
Date Sampled.....: 11/16/1998
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 983033-1
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QUALIFIERS		REPORTING LIMIT	UNITS	DATE	TECH
EPA 418.1	Total Recoverable Petroleum Hydrocarbons	<1			1	mg/L	11/18/98	slf
SW-846 3510B								
	Separatory Funnel Liq/Liq Extraction, Air	Complete					11/20/98	slf
SW-846 3520B	Extraction (Continuous Liq/Liq)							
	Continuous Liquid-Liquid Extraction	Complete					11/20/98	slf
SW-846 8270C	Semivolatile Organics							
	Acenaphthene	ND		U	10	ug/L	11/24/98	jcm
	Acenaphthylene	ND		U	10	ug/L	11/24/98	jcm
	Anthracene	ND		U	10	ug/L	11/24/98	jcm
	Benzidine	ND		U	10	ug/L	11/24/98	jcm
	Benzo(a)anthracene	ND		U	10	ug/L	11/24/98	jcm
	Benzo(b)fluoranthene	ND		U	10	ug/L	11/24/98	jcm
	Benzo(k)fluoranthene	ND		U	10	ug/L	11/24/98	jcm
	Benzo(ghi)perylene	ND		U	10	ug/L	11/24/98	jcm
	Benzo(a)pyrene	ND		U	10	ug/L	11/24/98	jcm
	Benzyl alcohol	ND		U	20	ug/L	11/24/98	jcm
	Butyl benzyl phthalate	ND		U	10	ug/L	11/24/98	jcm
	Bis(2-chloroethoxy)methane	ND		U	10	ug/L	11/24/98	jcm
	Bis(2-chloroethyl)ether	ND		U	10	ug/L	11/24/98	jcm
	Bis(2-chloroisopropyl)ether	ND		U	10	ug/L	11/24/98	jcm
	Bis(2-ethylhexyl)phthalate	4.8		J	10	ug/L	11/24/98	jcm
	4-Bromophenyl phenyl ether	ND		U	10	ug/L	11/24/98	jcm
	4-Chloroaniline	ND		U	10	ug/L	11/24/98	jcm
	2-Chloronaphthalene	ND		U	10	ug/L	11/24/98	jcm
	4-Chlorophenyl phenyl ether	ND		U	10	ug/L	11/24/98	jcm
	Chrysene	ND		U	10	ug/L	11/24/98	jcm
	Dibenzo(a,h)anthracene	ND		U	10	ug/L	11/24/98	jcm
	Dibenzofuran	ND		U	10	ug/L	11/24/98	jcm
	1,2-Dichlorobenzene	ND		U	10	ug/L	11/24/98	jcm
	1,3-Dichlorobenzene	ND		U	10	ug/L	11/24/98	jcm
	1,4-Dichlorobenzene	ND		U	10	ug/L	11/24/98	jcm
	3,3-Dichlorobenzidine	ND		U	20	ug/L	11/24/98	jcm
	Diethyl phthalate	ND		U	10	ug/L	11/24/98	jcm
	Dimethyl phthalate	ND		U	10	ug/L	11/24/98	jcm
	Di-n-butyl phthalate	ND		U	10	ug/L	11/24/98	jcm
	Di-n-octyl phthalate	ND		U	10	ug/L	11/24/98	jcm
	2,4-Dinitrotoluene	ND		U	10	ug/L	11/24/98	jcm
	2,6-Dinitrotoluene	ND		U	10	ug/L	11/24/98	jcm
	Fluoranthene	ND		U	10	ug/L	11/24/98	jcm
	Fluorene	ND		U	10	ug/L	11/24/98	jcm
	Hexachlorobenzene	ND		U	10	ug/L	11/24/98	jcm
	Hexachlorobutadiene	ND		U	10	ug/L	11/24/98	jcm
	Hexachlorocyclopentadiene	ND		U	10	ug/L	11/24/98	jcm
	Hexachloroethane	ND		U	10	ug/L	11/24/98	jcm
	Indeno(1,2,3-cd)pyrene	ND		U	10	ug/L	11/24/98	jcm

LABORATORY TEST RESULTS

Job Number: 983033 Date: 11/29/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-95 HP-GW-02
Date Sampled.....: 11/16/1998
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 983033-1
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Isophorone	ND	U		10	ug/L	11/24/98	jcm
	2-Methylnaphthalene	ND	U		10	ug/L	11/24/98	jcm
	Naphthalene	ND	U		10	ug/L	11/24/98	jcm
	o-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	m-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	p-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	Nitrobenzene	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodi-n-propylamine	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodiphenylamine	ND	U		10	ug/L	11/24/98	jcm
	Phenanthrene	ND	U		10	ug/L	11/24/98	jcm
	Pyrene	ND	U		10	ug/L	11/24/98	jcm
	1,2,4-Trichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Benzoic acid	ND	U		50	ug/L	11/24/98	jcm
	4-Chloro-3-methylphenol	ND	U		10	ug/L	11/24/98	jcm
	2-Chlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dimethylphenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methyl-4,6-dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methylphenol (o-cresol)	ND	U		10	ug/L	11/24/98	jcm
	4-Methylphenol (p-cresol)	ND	U		10	ug/L	11/24/98	jcm
	2-Nitrophenol	ND	U		10	ug/L	11/24/98	jcm
	4-Nitrophenol	ND	U		50	ug/L	11/24/98	jcm
	Pentachlorophenol	ND	U		50	ug/L	11/24/98	jcm
	Phenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,5-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,6-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/18/98	maz
	Bromobenzene	ND	U		5	ug/L	11/18/98	maz
	Bromochloromethane	ND	U		5	ug/L	11/18/98	maz
	Bromodichloromethane	ND	U		5	ug/L	11/18/98	maz
	Bromoform	ND	U		5	ug/L	11/18/98	maz
	Bromomethane	ND	U		10	ug/L	11/18/98	maz
	n-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	sec-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	tert-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	Carbon tetrachloride	ND	U		5	ug/L	11/18/98	maz
	Chlorobenzene	ND	U		5	ug/L	11/18/98	maz
	Chloroethane	ND	U		10	ug/L	11/18/98	maz
	Chloroform	ND	U		5	ug/L	11/18/98	maz
	Chloromethane	ND	U		10	ug/L	11/18/98	maz
	2-Chlorotoluene	ND	U		5	ug/L	11/18/98	maz
	4-Chlorotoluene	ND	U		5	ug/L	11/18/98	maz
	Dibromochloromethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/18/98	maz
	Dibromomethane	ND	U		5	ug/L	11/18/98	maz

LABORATORY TEST RESULTS

Job Number: 983033 Date: 11/29/98

CUSTOMER: URS Operating Services PROJECT: 7580009/HELIER ATTN: Karen Kuppala

Customer Sample ID: GW-95 HP-GW-02
Date Sampled.....: 11/16/1998
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 983033-1
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/18/98	
	Dichlorodifluoromethane	ND	U		5	ug/L	11/18/98	
	1,1-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	2,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloropropene	ND	U		5	ug/L	11/18/98	maz
	Ethylbenzene	ND	U		5	ug/L	11/18/98	maz
	Hexachlorobutadiene	ND	U		5	ug/L	11/18/98	maz
	Isopropylbenzene	ND	U		5	ug/L	11/18/98	maz
	p-Isopropyltoluene	ND	U		5	ug/L	11/18/98	maz
	Methylene chloride	ND	U		5	ug/L	11/18/98	maz
	Naphthalene	ND	U		5	ug/L	11/18/98	maz
	n-Propylbenzene	ND	U		5	ug/L	11/18/98	maz
	Styrene	ND	U		5	ug/L	11/18/98	maz
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	maz
	Tetrachloroethene	ND	U		5	ug/L	11/18/98	maz
	Toluene	ND	U		5	ug/L	11/18/98	maz
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/18/98	maz
	Trichloroethene	ND	U		5	ug/L	11/18/98	maz
	Trichlorofluoromethane	ND	U		5	ug/L	11/18/98	maz
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/18/98	maz
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/18/98	maz
	1,2,3-Trichloropropane	ND	U		5	ug/L	11/18/98	maz
	Vinyl chloride	ND	U		10	ug/L	11/18/98	maz
	Xylenes (total)	ND	U		5	ug/L	11/18/98	maz

LABORATORY TEST RESULTS

Job Number: 983033 Date: 11/29/98

CUSTOMER: URS Operating Services PROJECT: 75B0600/NEEFER ATTN: Karen Kuoppala

Customer Sample ID: GW-86 MP-GW-04
Date Sampled.....: 11/16/1998
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 983033-2
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 418.1	Total Recoverable Petroleum Hydrocarbons	<1			1	mg/L	11/18/98	slf
SW-846 3510B								
	Separatory Funnel Liq/Liq Extraction, Air	Complete					11/20/98	slf
SW-846 3520B	Extraction (Continuous Liq/Liq)							
	Continuous Liquid-Liquid Extraction	Complete					11/20/98	slf
SW-846 8270C	Semivolatile Organics							
	Acenaphthene	ND	U		10	ug/L	11/24/98	jcm
	Acenaphthylene	ND	U		10	ug/L	11/24/98	jcm
	Anthracene	ND	U		10	ug/L	11/24/98	jcm
	Benzidine	ND	U		50	ug/L	11/24/98	jcm
	Benzo(a)anthracene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(b)fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(k)fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(ghi)perylene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(a)pyrene	ND	U		10	ug/L	11/24/98	jcm
	Benzyl alcohol	ND	U		20	ug/L	11/24/98	jcm
	Butyl benzyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroethoxy)methane	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroethyl)ether	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroisopropyl)ether	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-ethylhexyl)phthalate	7.4	J		10	ug/L	11/24/98	jcm
	4-Bromophenyl phenyl ether	ND	U		10	ug/L	11/24/98	jcm
	4-Chloroaniline	ND	U		10	ug/L	11/24/98	jcm
	2-Chloronaphthalene	ND	U		10	ug/L	11/24/98	jcm
	4-Chlorophenyl phenyl ether	ND	U		10	ug/L	11/24/98	jcm
	Chrysene	ND	U		10	ug/L	11/24/98	jcm
	Dibenzo(a,h)anthracene	ND	U		10	ug/L	11/24/98	jcm
	Dibenzofuran	ND	U		10	ug/L	11/24/98	jcm
	1,2-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	1,3-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	1,4-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	3,3-Dichlorobenzidine	ND	U		20	ug/L	11/24/98	jcm
	Diethyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Dimethyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Di-n-butyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Di-n-octyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrotoluene	ND	U		10	ug/L	11/24/98	jcm
	2,6-Dinitrotoluene	ND	U		10	ug/L	11/24/98	jcm
	Fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Fluorene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorobutadiene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorocyclopentadiene	ND	U		10	ug/L	11/24/98	jcm
	Hexachloroethane	ND	U		10	ug/L	11/24/98	jcm
	Indeno(1,2,3-cd)pyrene	ND	U		10	ug/L	11/24/98	jcm

LABORATORY TEST RESULTS

Job Number: 983033 Date: 11/29/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Koppera

Customer Sample ID: GW-86 MP-GW-04
Date Sampled.....: 11/16/1998
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 983033-2
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Isophorone	ND	U		10	ug/L	11/24/98	jcm
	2-Methylnaphthalene	ND	U		10	ug/L	11/24/98	jcm
	Naphthalene	ND	U		10	ug/L	11/24/98	jcm
	o-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	m-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	p-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	Nitrobenzene	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodi-n-propylamine	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodiphenylamine	ND	U		10	ug/L	11/24/98	jcm
	Phenanthrene	ND	U		10	ug/L	11/24/98	jcm
	Pyrene	ND	U		10	ug/L	11/24/98	jcm
	1,2,4-Trichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Benzoic acid	ND	U		50	ug/L	11/24/98	jcm
	4-Chloro-3-methylphenol	ND	U		10	ug/L	11/24/98	jcm
	2-Chlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dimethylphenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methyl-4,6-dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methylphenol (o-cresol)	ND	U		10	ug/L	11/24/98	jcm
	4-Methylphenol (p-cresol)	ND	U		10	ug/L	11/24/98	jcm
	2-Nitrophenol	ND	U		10	ug/L	11/24/98	jcm
	4-Nitrophenol	ND	U		50	ug/L	11/24/98	jcm
	Pentachlorophenol	ND	U		50	ug/L	11/24/98	jcm
	Phenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,5-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,6-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/18/98	maz
	Bromobenzene	ND	U		5	ug/L	11/18/98	maz
	Bromochloromethane	ND	U		5	ug/L	11/18/98	maz
	Bromodichloromethane	ND	U		5	ug/L	11/18/98	maz
	Bromoform	ND	U		5	ug/L	11/18/98	maz
	Bromomethane	ND	U		10	ug/L	11/18/98	maz
	n-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	sec-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	tert-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	Carbon tetrachloride	ND	U		5	ug/L	11/18/98	maz
	Chlorobenzene	ND	U		5	ug/L	11/18/98	maz
	Chloroethane	ND	U		10	ug/L	11/18/98	maz
	Chloroform	ND	U		5	ug/L	11/18/98	maz
	Chloromethane	ND	U		10	ug/L	11/18/98	maz
	2-Chlorotoluene	ND	U		5	ug/L	11/18/98	maz
	4-Chlorotoluene	ND	U		5	ug/L	11/18/98	maz
	Dibromochloromethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/18/98	maz
	Dibromomethane	ND	U		5	ug/L	11/18/98	maz

LABORATORY TEST RESULTS

Job Number: 983033

Date: 11/29/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-84 HP-GW-04
Date Sampled.....: 11/16/1998
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 983033-2
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	Dichlorodifluoromethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	2,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloropropene	ND	U		5	ug/L	11/18/98	maz
	Ethylbenzene	ND	U		5	ug/L	11/18/98	maz
	Hexachlorobutadiene	ND	U		5	ug/L	11/18/98	maz
	Isopropylbenzene	ND	U		5	ug/L	11/18/98	maz
	p-Isopropyltoluene	ND	U		5	ug/L	11/18/98	maz
	Methylene chloride	ND	U		5	ug/L	11/18/98	maz
	Naphthalene	ND	U		5	ug/L	11/18/98	maz
	n-Propylbenzene	ND	U		5	ug/L	11/18/98	maz
	Styrene	ND	U		5	ug/L	11/18/98	maz
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	maz
	Tetrachloroethene	ND	U		5	ug/L	11/18/98	maz
	Toluene	ND	U		5	ug/L	11/18/98	maz
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/18/98	maz
	Trichloroethene	ND	U		5	ug/L	11/18/98	maz
	Trichlorofluoromethane	ND	U		5	ug/L	11/18/98	maz
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/18/98	maz
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/18/98	maz
	1,2,3-Trichloropropane	ND	U		5	ug/L	11/18/98	maz
	Vinyl chloride	ND	U		10	ug/L	11/18/98	maz
	Xylenes (total)	ND	U		5	ug/L	11/18/98	maz

LABORATORY TEST RESULTS

Job Number: 983033 Date: 11/29/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-94 HP-GW-06
Date Sampled.....: 11/16/1998
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 983033-3
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 418.1	Total Recoverable Petroleum Hydrocarbons	<1			1	mg/L	11/18/98	slf
SW-846 3510B								
	Separatory Funnel Liq/Liq Extraction, Air	Complete					11/20/98	slf
SW-846 3520B	Extraction (Continuous Liq/Liq)							
	Continuous Liquid-Liquid Extraction	Complete					11/20/98	slf
SW-846 8270C	Semivolatile Organics							
	Acenaphthene	ND	U		10	ug/L	11/24/98	jcm
	Acenaphthylene	ND	U		10	ug/L	11/24/98	jcm
	Anthracene	ND	U		10	ug/L	11/24/98	jcm
	Benzidine	ND	U		50	ug/L	11/24/98	jcm
	Benzo(a)anthracene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(b)fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(k)fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(ghi)perylene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(a)pyrene	ND	U		10	ug/L	11/24/98	jcm
	Benzyl alcohol	ND	U		20	ug/L	11/24/98	jcm
	Butyl benzyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroethoxy)methane	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroethyl)ether	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroisopropyl)ether	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-ethylhexyl)phthalate	1.7	J		10	ug/L	11/24/98	jcm
	4-Bromophenyl phenyl ether	ND	U		10	ug/L	11/24/98	jcm
	4-Chloroaniline	ND	U		10	ug/L	11/24/98	jcm
	2-Chloronaphthalene	ND	U		10	ug/L	11/24/98	jcm
	4-Chlorophenyl phenyl ether	ND	U		10	ug/L	11/24/98	jcm
	Chrysene	ND	U		10	ug/L	11/24/98	jcm
	Dibenzo(a,h)anthracene	ND	U		10	ug/L	11/24/98	jcm
	Dibenzofuran	ND	U		10	ug/L	11/24/98	jcm
	1,2-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	1,3-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	1,4-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	3,3-Dichlorobenzidine	ND	U		20	ug/L	11/24/98	jcm
	Diethyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Dimethyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Di-n-butyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Di-n-octyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrotoluene	ND	U		10	ug/L	11/24/98	jcm
	2,6-Dinitrotoluene	ND	U		10	ug/L	11/24/98	jcm
	Fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Fluorene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorobutadiene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorocyclopentadiene	ND	U		10	ug/L	11/24/98	jcm
	Hexachloroethane	ND	U		10	ug/L	11/24/98	jcm
	Indeno(1,2,3-cd)pyrene	ND	U		10	ug/L	11/24/98	jcm

LABORATORY TEST RESULTS

Job Number: 983033 Date: 11/29/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-94 HP-GW-06
Date Sampled.....: 11/16/1998
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 983033-3
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Isophorone	ND	U		10	ug/L	11/24/98	jcm
	2-Methylnaphthalene	ND	U		10	ug/L	11/24/98	jcm
	Naphthalene	ND	U		10	ug/L	11/24/98	jcm
	o-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	m-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	p-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	Nitrobenzene	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodi-n-propylamine	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodiphenylamine	ND	U		10	ug/L	11/24/98	jcm
	Phenanthrene	ND	U		10	ug/L	11/24/98	jcm
	Pyrene	ND	U		10	ug/L	11/24/98	jcm
	1,2,4-Trichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Benzoic acid	ND	U		50	ug/L	11/24/98	jcm
	4-Chloro-3-methylphenol	ND	U		10	ug/L	11/24/98	jcm
	2-Chlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dimethylphenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methyl-4,6-dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methylphenol (o-cresol)	ND	U		10	ug/L	11/24/98	jcm
	4-Methylphenol (p-cresol)	ND	U		10	ug/L	11/24/98	jcm
	2-Nitrophenol	ND	U		10	ug/L	11/24/98	jcm
	4-Nitrophenol	ND	U		50	ug/L	11/24/98	jcm
	Pentachlorophenol	ND	U		50	ug/L	11/24/98	jcm
	Phenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,5-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,6-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/18/98	mmz
	Bromobenzene	ND	U		5	ug/L	11/18/98	mmz
	Bromochloromethane	ND	U		5	ug/L	11/18/98	mmz
	Bromodichloromethane	ND	U		5	ug/L	11/18/98	mmz
	Bromoform	ND	U		5	ug/L	11/18/98	mmz
	Bromomethane	ND	U		10	ug/L	11/18/98	mmz
	n-Butylbenzene	ND	U		5	ug/L	11/18/98	mmz
	sec-Butylbenzene	ND	U		5	ug/L	11/18/98	mmz
	tert-Butylbenzene	ND	U		5	ug/L	11/18/98	mmz
	Carbon tetrachloride	ND	U		5	ug/L	11/18/98	mmz
	Chlorobenzene	ND	U		5	ug/L	11/18/98	mmz
	Chloroethane	ND	U		10	ug/L	11/18/98	mmz
	Chloroform	ND	U		5	ug/L	11/18/98	mmz
	Chloromethane	ND	U		10	ug/L	11/18/98	mmz
	2-Chlorotoluene	ND	U		5	ug/L	11/18/98	mmz
	4-Chlorotoluene	ND	U		5	ug/L	11/18/98	mmz
	Dibromochloromethane	ND	U		5	ug/L	11/18/98	mmz
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/18/98	mmz
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/18/98	mmz
	Dibromomethane	ND	U		5	ug/L	11/18/98	mmz

LABORATORY TEST RESULTS

Job Number: 983033

Date: 11/29/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kloppata

Customer Sample ID: GW-94 HP-GW-06
Date Sampled.....: 11/16/1998
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 983033-3
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	Dichlorodifluoromethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichloropropene	ND	U		5	ug/L	11/18/98	maz
	2,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloropropene	ND	U		5	ug/L	11/18/98	maz
	Ethylbenzene	ND	U		5	ug/L	11/18/98	maz
	Hexachlorobutadiene	ND	U		5	ug/L	11/18/98	maz
	Isopropylbenzene	ND	U		5	ug/L	11/18/98	maz
	p-Isopropyltoluene	ND	U		5	ug/L	11/18/98	maz
	Methylene chloride	ND	U		5	ug/L	11/18/98	maz
	Naphthalene	ND	U		5	ug/L	11/18/98	maz
	n-Propylbenzene	ND	U		5	ug/L	11/18/98	maz
	Styrene	ND	U		5	ug/L	11/18/98	maz
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	maz
	Tetrachloroethene	ND	U		5	ug/L	11/18/98	maz
	Toluene	ND	U		5	ug/L	11/18/98	maz
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/18/98	maz
	Trichloroethene	ND	U		5	ug/L	11/18/98	maz
	Trichlorofluoromethane	ND	U		5	ug/L	11/18/98	maz
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/18/98	maz
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/18/98	maz
	1,2,3-Trichloropropane	ND	U		5	ug/L	11/18/98	maz
	Vinyl chloride	ND	U		10	ug/L	11/18/98	maz
	Xylenes (total)	ND	U		5	ug/L	11/18/98	maz

SAMPLE INFORMATION

Date: 12/09/98

Job Number.: 983019
Customer...: URS Operating Services
Attn.....: Karen Kuoppala

Project Number.....: 98000314
Customer Project ID....: HELLER 75-80809
Project Description....: Heller Properties

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
983019-1	HP-MW-01 MS/MSD	Water	11/12/1998	15:00	11/13/1998	15:00
983019-2	HP-TB-01	Water	11/11/1998	08:00	11/13/1998	15:00
983019-3	HP-MW-03	Water	11/11/1998	16:00	11/13/1998	15:00
983019-4	HP-MW-05	Water	11/11/1998	14:00	11/13/1998	15:00
983019-5	HP-MW-05A	Water	11/11/1998	14:15	11/13/1998	15:00

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: WELLER 75-88809 ATTN: Karen Kooppala

Customer Sample ID: HP-MW-01 MS/MSD
Date Sampled.....: 11/12/1998
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-1
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 418.1	Total Recoverable Petroleum Hydrocarbons	<1			1	mg/L	11/18/98	slf
SW-846 3510B	Extraction (Sep. Funnel) Chlor. Pest Separatory Funnel Liq/Liq Extraction	Complete					11/17/98	slf
SW-846 8080A	Pesticide/PCB Analysis (Organochlorine)							
	Aldrin	ND	U		0.04	ug/L	11/21/98	dmj
	beta-BHC	ND	U		0.06	ug/L	11/21/98	dmj
	delta-BHC	ND	U		0.09	ug/L	11/21/98	dmj
	alpha-BHC	ND	U		0.03	ug/L	11/21/98	dmj
	gamma-BHC (Lindane)	ND	U		0.04	ug/L	11/21/98	dmj
	Chlordane	ND	U		0.14	ug/L	11/18/98	dmj
	4,4'-DDD	ND	U		0.11	ug/L	11/21/98	dmj
	4,4'-DDE	ND	U		0.04	ug/L	11/21/98	dmj
	4,4'-DDT	ND	U	Y	0.12	ug/L	11/21/98	dmj
	Dieldrin	ND	U		0.02	ug/L	11/21/98	dmj
	Endosulfan I	ND	U	Y	0.14	ug/L	11/21/98	dmj
	Endosulfan II	ND	U		0.04	ug/L	11/21/98	dmj
	Endosulfan sulfate	ND	U		0.66	ug/L	11/21/98	dmj
	Endrin	ND	U		0.06	ug/L	11/21/98	dmj
	Endrin aldehyde	ND	U	Y	0.23	ug/L	11/21/98	dmj
	Heptachlor	ND	U		0.03	ug/L	11/21/98	dmj
	Heptachlor epoxide	ND	U		0.83	ug/L	11/21/98	dmj
	Methoxychlor	ND	U		1.8	ug/L	11/21/98	dmj
	Toxaphene	ND	U		2.4	ug/L	11/18/98	dmj
	Aroclor 1016	ND	U		0.5	ug/L	11/18/98	dmj
	Aroclor 1221	ND	U		0.5	ug/L	11/18/98	dmj
	Aroclor 1232	ND	U		0.5	ug/L	11/18/98	dmj
	Aroclor 1242	ND	U		0.5	ug/L	11/18/98	dmj
	Aroclor 1248	ND	U		0.5	ug/L	11/18/98	dmj
	Aroclor 1254	ND	U		0.5	ug/L	11/18/98	dmj
	Aroclor 1260	ND	U		0.5	ug/L	11/18/98	dmj
SW-846 3520B	Extraction (Continuous Liq/Liq) Continuous Liquid-Liquid Extraction	Complete					11/17/98	slf
SW-846 8270C	Semivolatile Organics							
	Acenaphthene	ND	U		10	ug/L	11/20/98	jcm
	Acenaphthylene	ND	U		10	ug/L	11/20/98	jcm
	Anthracene	ND	U		10	ug/L	11/20/98	jcm
	Benzidine	ND	U	Y7	50	ug/L	11/20/98	jcm
	Benzo(a)anthracene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(b)fluoranthene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(k)fluoranthene	ND	U	Y	10	ug/L	11/20/98	jcm
	Benzo(ghi)perylene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(a)pyrene	ND	U		10	ug/L	11/20/98	jcm
	Benzyl alcohol	ND	U		20	ug/L	11/20/98	jcm
	Butyl benzyl phthalate	ND	U		10	ug/L	11/20/98	jcm

LABORATORY TEST RESULTS

Job Number: 983019 Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Kuoppala

Customer Sample ID: HP-MW-01 MS/MSD
Date Sampled.....: 11/12/1998
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-1
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Bis(2-chloroethoxy)methane	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-chloroethyl)ether	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-chloroisopropyl)ether	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-ethylhexyl)phthalate	1.2	J		10	ug/L	11/20/98	jcm
	4-Bromophenyl phenyl ether	ND	U		10	ug/L	11/20/98	jcm
	4-Chloroaniline	ND	U		10	ug/L	11/20/98	jcm
	2-Chloronaphthalene	ND	U		10	ug/L	11/20/98	jcm
	4-Chlorophenyl phenyl ether	ND	U		10	ug/L	11/20/98	jcm
	Chrysene	ND	U		10	ug/L	11/20/98	jcm
	Dibenzo(a,h)anthracene	ND	U		10	ug/L	11/20/98	jcm
	Dibenzofuran	ND	U		10	ug/L	11/20/98	jcm
	1,2-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	1,3-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	1,4-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	3,3-Dichlorobenzidine	ND	U		20	ug/L	11/20/98	jcm
	Diethyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Dimethyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Di-n-butyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Di-n-octyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dinitrotoluene	ND	U		10	ug/L	11/20/98	jcm
	2,6-Dinitrotoluene	ND	U		10	ug/L	11/20/98	jcm
	Fluoranthene	ND	U		10	ug/L	11/20/98	jcm
	Fluorene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorobutadiene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorocyclopentadiene	ND	U	Y	10	ug/L	11/20/98	jcm
	Hexachloroethane	ND	U		10	ug/L	11/20/98	jcm
	Indeno(1,2,3-cd)pyrene	ND	U		10	ug/L	11/20/98	jcm
	Isophorone	ND	U		10	ug/L	11/20/98	jcm
	2-Methylnaphthalene	ND	U		10	ug/L	11/20/98	jcm
	Naphthalene	ND	U		10	ug/L	11/20/98	jcm
	o-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	m-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	p-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	Nitrobenzene	ND	U		10	ug/L	11/20/98	jcm
	n-Nitrosodi-n-propylamine	ND	U		10	ug/L	11/20/98	jcm
	n-Nitrosodiphenylamine	ND	U		10	ug/L	11/20/98	jcm
	Phenanthrene	ND	U		10	ug/L	11/20/98	jcm
	Pyrene	ND	U		10	ug/L	11/20/98	jcm
	1,2,4-Trichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	Benzoic acid	ND	U	YZ	50	ug/L	11/20/98	jcm
	4-Chloro-3-methylphenol	ND	U	Y	10	ug/L	11/20/98	jcm
	2-Chlorophenol	ND	U	Y	10	ug/L	11/20/98	jcm
	2,4-Dichlorophenol	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dimethylphenol	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dinitrophenol	ND	U	Z	50	ug/L	11/20/98	jcm
	2-Methyl-4,6-dinitrophenol	ND	U		50	ug/L	11/20/98	jcm
	2-Methylphenol (o-cresol)	ND	U		10	ug/L	11/20/98	jcm
	4-Methylphenol (p-cresol)	ND	U		10	ug/L	11/20/98	jcm

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services — PROJECT: KELLER 75-80609 — ATTN: Karen Kuoppala

Customer Sample ID: HP-MW-01 MS/MSD
Date Sampled.....: 11/12/1998
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-1
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	2-Nitrophenol	ND	U		10	ug/L	11/20/98	jcm
	4-Nitrophenol	ND	U	Z	50	ug/L	11/20/98	jcm
	Pentachlorophenol	ND	U	*	50	ug/L	11/20/98	jcm
	Phenol	ND	U		10	ug/L	11/20/98	jcm
	2,4,5-Trichlorophenol	ND	U	Z	10	ug/L	11/20/98	jcm
	2,4,6-Trichlorophenol	ND	U	Z*	10	ug/L	11/20/98	jcm
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/17/98	mez
	Bromobenzene	ND	U		5	ug/L	11/17/98	mez
	Bromochloromethane	ND	U		5	ug/L	11/17/98	mez
	Bromodichloromethane	ND	U		5	ug/L	11/17/98	mez
	Bromoform	ND	U		5	ug/L	11/17/98	mez
	Bromomethane	ND	U		10	ug/L	11/17/98	mez
	n-Butylbenzene	ND	U		5	ug/L	11/17/98	mez
	sec-Butylbenzene	ND	U		5	ug/L	11/17/98	mez
	tert-Butylbenzene	ND	U		5	ug/L	11/17/98	mez
	Carbon tetrachloride	ND	U		5	ug/L	11/17/98	mez
	Chlorobenzene	ND	U		5	ug/L	11/17/98	mez
	Chloroethane	ND	U		10	ug/L	11/17/98	mez
	Chloroform	ND	U		5	ug/L	11/17/98	mez
	Chloromethane	ND	U		10	ug/L	11/17/98	mez
	2-Chlorotoluene	ND	U		5	ug/L	11/17/98	mez
	4-Chlorotoluene	ND	U		5	ug/L	11/17/98	mez
	Dibromochloromethane	ND	U		5	ug/L	11/17/98	mez
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/17/98	mez
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/17/98	mez
	Dibromomethane	ND	U		5	ug/L	11/17/98	mez
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/17/98	mez
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/17/98	mez
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/17/98	mez
	Dichlorodifluoromethane	ND	U		5	ug/L	11/17/98	mez
	1,1-Dichloroethane	ND	U		5	ug/L	11/17/98	mez
	1,2-Dichloroethane	ND	U		5	ug/L	11/17/98	mez
	1,1-Dichloroethene	ND	U	Y	5	ug/L	11/17/98	mez
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/17/98	mez
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/17/98	mez
	1,2-Dichloropropane	ND	U		5	ug/L	11/17/98	mez
	1,3-Dichloropropane	ND	U		5	ug/L	11/17/98	mez
	2,2-Dichloropropane	ND	U		5	ug/L	11/17/98	mez
	1,1-Dichloropropene	ND	U		5	ug/L	11/17/98	mez
	Ethylbenzene	ND	U		5	ug/L	11/17/98	mez
	Hexachlorobutadiene	ND	U		5	ug/L	11/17/98	mez
	Isopropylbenzene	ND	U		5	ug/L	11/17/98	mez
	p-Isopropyltoluene	ND	U		5	ug/L	11/17/98	mez
	Methylene chloride	ND	U		5	ug/L	11/17/98	mez
	Naphthalene	ND	U		5	ug/L	11/17/98	mez
	n-Propylbenzene	ND	U		5	ug/L	11/17/98	mez
	Styrene	ND	U		5	ug/L	11/17/98	mez

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Kuoppala

Customer Sample ID: HP-MW-01 MS/MSD
Date Sampled.....: 11/12/1998
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-1
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/17/98	maz
	Tetrachloroethene	1.6	J		5	ug/l	11/17/98	maz
	Toluene	ND	U		5	ug/L	11/17/98	maz
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/17/98	maz
	Trichloroethene	ND	U		5	ug/L	11/17/98	maz
	Trichlorofluoromethane	ND	U		5	ug/L	11/17/98	maz
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/17/98	maz
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/17/98	maz
	1,2,3-Trichloropropane	ND	U		10	ug/L	11/17/98	maz
	Vinyl chloride	ND	U		5	ug/L	11/17/98	maz
	Xylenes (total)	ND	U					

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Kloppele

Customer Sample ID: HP-TB-01
Date Sampled.....: 11/11/1998
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-2
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/17/98	maz
	Bromobenzene	ND	U		5	ug/L	11/17/98	maz
	Bromochloromethane	ND	U		5	ug/L	11/17/98	maz
	Bromodichloromethane	ND	U		5	ug/L	11/17/98	maz
	Bromoform	ND	U		5	ug/L	11/17/98	maz
	Bromomethane	ND	U		10	ug/L	11/17/98	maz
	n-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	sec-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	tert-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	Carbon tetrachloride	ND	U		5	ug/L	11/17/98	maz
	Chlorobenzene	ND	U		5	ug/L	11/17/98	maz
	Chloroethane	ND	U		10	ug/L	11/17/98	maz
	Chloroform	ND	U		5	ug/L	11/17/98	maz
	Chloromethane	ND	U		10	ug/L	11/17/98	maz
	2-Chlorotoluene	ND	U		5	ug/L	11/17/98	maz
	4-Chlorotoluene	ND	U		5	ug/L	11/17/98	maz
	Dibromochloromethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/17/98	maz
	Dibromomethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	Dichlorodifluoromethane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloroethene	ND	U	Y	5	ug/L	11/17/98	maz
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/17/98	maz
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	1,3-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	2,2-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloropropene	ND	U		5	ug/L	11/17/98	maz
	Ethylbenzene	ND	U		5	ug/L	11/17/98	maz
	Hexachlorobutadiene	ND	U		5	ug/L	11/17/98	maz
	Isopropylbenzene	ND	U		5	ug/L	11/17/98	maz
	p-Isopropyltoluene	ND	U		5	ug/L	11/17/98	maz
	Methylene chloride	ND	U		5	ug/L	11/17/98	maz
	Naphthalene	ND	U		5	ug/L	11/17/98	maz
	n-Propylbenzene	ND	U		5	ug/L	11/17/98	maz
	Styrene	ND	U		5	ug/L	11/17/98	maz
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/17/98	maz
	Tetrachloroethene	ND	U		5	ug/L	11/17/98	maz
	Toluene	ND	U		5	ug/L	11/17/98	maz
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/17/98	maz

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: UMS Operating Services

PROJECT: HELLER 75-80809

ATTN: Karen Kuoppala

Customer Sample ID: HP-TB-01
Date Sampled.....: 11/11/1998
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-2
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/17/98	maz
	Trichloroethene	ND	U		5	ug/L	11/17/98	maz
	Trichlorofluoromethane	ND	U		5	ug/L	11/17/98	maz
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/17/98	maz
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/17/98	maz
	1,2,3-Trichloropropane	ND	U		5	ug/L	11/17/98	maz
	Vinyl chloride	ND	U		10	ug/L	11/17/98	maz
	Xylenes (total)	ND	U		5	ug/L	11/17/98	maz

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Kuoppala

Customer Sample ID: HP-MW-03
Date Sampled.....: 11/11/1998
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-3
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 418.1	Total Recoverable Petroleum Hydrocarbons	<1			1	mg/L	11/18/98	slf
SW-846 3510B	Extraction (Sep. Funnel) Chlor. Pest Separatory Funnel Liq/Liq Extraction	Complete					11/17/98	slf
SW-846 8080A	Pesticide/PCB Analysis (Organochlorine)							
	Aldrin	ND	U		0.04	ug/L	11/21/98	dmj
	beta-BHC	ND	U		0.06	ug/L	11/21/98	dmj
	delta-BHC	ND	U		0.09	ug/L	11/21/98	dmj
	alpha-BHC	ND	U		0.03	ug/L	11/21/98	dmj
	gamma-BHC (Lindane)	ND	U		0.04	ug/L	11/21/98	dmj
	Chlordane	ND	U		0.14	ug/L	11/19/98	dmj
	4,4'-DDD	ND	U		0.11	ug/L	11/21/98	dmj
	4,4'-DDE	ND	U		0.04	ug/L	11/21/98	dmj
	4,4'-DDT	ND	U	Y	0.12	ug/L	11/21/98	dmj
	Dieldrin	ND	U		0.02	ug/L	11/21/[illegible]	[illegible]
	Endosulfan I	ND	U	Y	0.14	ug/L	11/2[illegible]	[illegible]
	Endosulfan II	ND	U		0.04	ug/[illegible]	11/21/[illegible]	[illegible]
	Endosulfan sulfate	ND	U		0.66	ug/[illegible]	11/21/98	dmj
	Endrin	ND	U		0.06	ug/L	11/21/98	dmj
	Endrin aldehyde	ND	U	Y	0.23	ug/L	11/21/[illegible]	dmj
	Heptachlor	ND	U		0.03	ug/L	11/21/9[illegible]	[illegible]
	Heptachlor epoxide	ND	U		0.83	ug/L	11/21/98	dmj
	Methoxychlor	ND	U		1.8	ug/L	11/21/98	dmj
	Toxaphene	ND	U		2.4	ug/L	11/19/98	dmj
	Aroclor 1016	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1221	ND	U		0.5	ug/L	11/19/[illegible]	[illegible]
	Aroclor 1232	ND	U		0.5	ug/L	11/19/[illegible]	[illegible]
	Aroclor 1242	ND	U		0.5	ug/L	11/19/9[illegible]	dmj
	Aroclor 1248	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1254	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1260	ND	U		0.5	ug/L	11/19/98	dmj
SW-846 3520B	Extraction (Continuous Liq/Liq) Continuous Liquid-Liquid Extraction	Complete					11/17/98	slf
SW-846 8270C	Semivolatile Organics							
	Acenaphthene	ND	U		10	ug/L	11/20/98	jcm
	Acenaphthylene	ND	U		10	ug/L	11/20/98	jcm
	Anthracene	ND	U		10	ug/L	11/20/98	jcm
	Benzidine	ND	U	YZ	50	ug/L	11/20/98	jcm
	Benzo(a)anthracene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(b)fluoranthene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(k)fluoranthene	ND	U	Y	10	ug/L	11/20/98	jcm
	Benzo(ghi)perylene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(a)pyrene	ND	U		10	ug/L	11/20/98	jcm
	Benzyl alcohol	ND	U		20	ug/L	11/20/98	jcm
	Butyl benzyl phthalate	ND	U		10	ug/L	11/20/98	jcm

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Kuoppala

Customer Sample ID: MP-MW-03
Date Sampled.....: 11/11/1998
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-3
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Bis(2-chloroethoxy)methane	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-chloroethyl)ether	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-chloroisopropyl)ether	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-ethylhexyl)phthalate	1.2	J		10	ug/L	11/20/98	jcm
	4-Bromophenyl phenyl ether	ND	U		10	ug/L	11/20/98	jcm
	4-Chloroaniline	ND	U		10	ug/L	11/20/98	jcm
	2-Chloronaphthalene	ND	U		10	ug/L	11/20/98	jcm
	4-Chlorophenyl phenyl ether	ND	U		10	ug/L	11/20/98	jcm
	Chrysene	ND	U		10	ug/L	11/20/98	jcm
	Dibenzo(a,h)anthracene	ND	U		10	ug/L	11/20/98	jcm
	Dibenzofuran	ND	U		10	ug/L	11/20/98	jcm
	1,2-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	1,3-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	1,4-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	3,3-Dichlorobenzidine	ND	U		20	ug/L	11/20/98	jcm
	Diethyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Dimethyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Di-n-butyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Di-n-octyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dinitrotoluene	ND	U		10	ug/L	11/20/98	jcm
	2,6-Dinitrotoluene	ND	U		10	ug/L	11/20/98	jcm
	Fluoranthene	ND	U		10	ug/L	11/20/98	jcm
	Fluorene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorobutadiene	ND	U	Y	10	ug/L	11/20/98	jcm
	Hexachlorocyclopentadiene	ND	U		10	ug/L	11/20/98	jcm
	Hexachloroethane	ND	U		10	ug/L	11/20/98	jcm
	Indeno(1,2,3-cd)pyrene	ND	U		10	ug/L	11/20/98	jcm
	Isophorone	ND	U		10	ug/L	11/20/98	jcm
	2-Methylnaphthalene	ND	U		10	ug/L	11/20/98	jcm
	Naphthalene	ND	U		50	ug/L	11/20/98	jcm
	o-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	m-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	p-Nitroaniline	ND	U		10	ug/L	11/20/98	jcm
	Nitrobenzene	ND	U		10	ug/L	11/20/98	jcm
	n-Nitrosodi-n-propylamine	ND	U		10	ug/L	11/20/98	jcm
	n-Nitrosodiphenylamine	ND	U		10	ug/L	11/20/98	jcm
	Phenanthrene	ND	U		10	ug/L	11/20/98	jcm
	Pyrene	ND	U		10	ug/L	11/20/98	jcm
	1,2,4-Trichlorobenzene	ND	U	TZ	50	ug/L	11/20/98	jcm
	Benzoic acid	ND	U	Y*	10	ug/L	11/20/98	jcm
	4-Chloro-3-methylphenol	ND	U	Y*	10	ug/L	11/20/98	jcm
	2-Chlorophenol	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dichlorophenol	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dimethylphenol	ND	U	Z	50	ug/L	11/20/98	jcm
	2,4-Dinitrophenol	ND	U		50	ug/L	11/20/98	jcm
	2-Methyl-4,6-dinitrophenol	ND	U		10	ug/L	11/20/98	jcm
	2-Methylphenol (o-cresol)	ND	U		10	ug/L	11/20/98	jcm
	4-Methylphenol (p-cresol)							

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: IRS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Koopmans

Customer Sample ID: HP-MW-03
Date Sampled.....: 11/11/1998
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-3
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	C	FLAGS	REPORTING LIMIT	UNITS	DATE	INIT
	2-Nitrophenol	ND	U		10	ug/L	11/20/98	jcm
	4-Nitrophenol	ND	U	Z	50	ug/L	11/20/98	jcm
	Pentachlorophenol	ND	U		50	ug/L	11/20/98	jcm
	Phenol	ND	U		10	ug/L	11/20/98	jcm
	2,4,5-Trichlorophenol	ND	U	Z	10	ug/L	11/20/98	jcm
	2,4,6-Trichlorophenol	ND	U	Z	10	ug/L	11/20/98	jcm
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/17/98	maz
	Bromobenzene	ND	U		5	ug/L	11/17/98	maz
	Bromochloromethane	ND	U		5	ug/L	11/17/98	maz
	Bromodichloromethane	ND	U		5	ug/L	11/17/98	maz
	Bromoform	ND	U		5	ug/L	11/17/	
	Bromomethane	ND	U		10	ug/L	11/17	
	n-Butylbenzene	ND	U		5	ug/L	11/17/	
	sec-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	tert-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	Carbon tetrachloride	ND	U		5	ug/L	11/17/98	maz
	Chlorobenzene	ND	U		5	ug/L	11/17/98	maz
	Chloroethane	ND	U		10	ug/L	11/17/98	maz
	Chloroform	ND	U		5	ug/L	11/17/98	maz
	Chloromethane	ND	U		10	ug/L	11/17/98	maz
	2-Chlorotoluene	ND	U		5	ug/L	11/17/98	maz
	4-Chlorotoluene	ND	U		5	ug/L	11/17/98	maz
	Dibromochloromethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/17/98	maz
	Dibromomethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	Dichlorodifluoromethane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloroethene	ND	U	Y	5	ug/L	11/17/98	maz
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/17/98	maz
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	1,3-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	2,2-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloropropene	ND	U		5	ug/L	11/17/98	maz
	Ethylbenzene	ND	U		5	ug/L	11/17/98	maz
	Hexachlorobutadiene	ND	U		5	ug/L	11/17/98	maz
	Isopropylbenzene	ND	U		5	ug/L	11/17/98	maz
	p-Isopropyltoluene	ND	U		5	ug/L	11/17/98	maz
	Methylene chloride	ND	U		5	ug/L	11/17/98	maz
	Naphthalene	ND	U		5	ug/L	11/17/98	maz
	n-Propylbenzene	ND	U		5	ug/L	11/17/98	maz
	Styrene	ND	U		5	ug/L	11/17/98	maz

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Kuoppala

Customer Sample ID: HP-MW-03
Date Sampled.....: 11/11/1998
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-3
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/17/98	maz
	Tetrachloroethene	ND	U		5	ug/L	11/17/98	maz
	Toluene	ND	U		5	ug/L	11/17/98	maz
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/17/98	maz
	Trichloroethene	ND	U		5	ug/L	11/17/98	maz
	Trichlorofluoromethane	ND	U		5	ug/L	11/17/98	maz
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/17/98	maz
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/17/98	maz
	1,2,3-Trichloropropane	ND	U		5	ug/L	11/17/98	maz
	Vinyl chloride	ND	U		10	ug/L	11/17/98	maz
	Xylenes (total)	ND	U		5	ug/L	11/17/98	maz

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services — PROJECT: HELLER-TS 80809 — ATTN: Karen Koeppele

Customer Sample ID: HP-MW-05
Date Sampled.....: 11/11/1998
Time Sampled.....: 14:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-4
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 418.1	Total Recoverable Petroleum Hydrocarbons	<1			1	mg/L	11/18/98	elf
SW-846 3510B	Extraction (Sep. Funnel) Chlor. Pest							
	Separatory Funnel Liq/Liq Extraction	Complete					11/17/98	elf
SW-846 8080A	Pesticide/PCB Analysis (Organochlorine)							
	Aldrin	ND	U		0.04	ug/L	11/21/98	dmj
	beta-BHC	ND	U		0.06	ug/L	11/21/98	dmj
	delta-BHC	ND	U		0.09	ug/L	11/21/98	dmj
	alpha-BHC	ND	U		0.03	ug/L	11/21/98	dmj
	gamma-BHC (Lindane)	ND	U		0.04	ug/L	11/21/98	dmj
	Chlordane	ND	U		0.14	ug/L	11/19/98	dmj
	4,4'-DDD	ND	U		0.11	ug/L	11/21/[illegible]	[illegible]
	4,4'-DDE	ND	U		0.04	ug/L	11/21/[illegible]	[illegible]
	4,4'-DDT	ND	U	Y	0.12	ug/L	11/21/98	dmj
	Dieldrin	ND	U		0.02	ug/L	11/21/98	dmj
	Endosulfan I	ND	U	Y*	0.14	ug/L	11/21/98	dmj
	Endosulfan II	ND	U		0.04	ug/L	11/21/98	dmj
	Endosulfan sulfate	ND	U		0.66	ug/L	11/21/98	dmj
	Endrin	ND	U		0.06	ug/L	11/21/98	dmj
	Endrin aldehyde	ND	U	Y*	0.23	ug/L	11/21/98	dmj
	Heptachlor	ND	U		0.03	ug/L	11/21/98	dmj
	Heptachlor epoxide	ND	U		0.83	ug/L	11/21/98	dmj
	Methoxychlor	ND	U		1.8	ug/L	11/21/98	dmj
	Toxaphene	ND	U		2.4	ug/L	11/19/98	dmj
	Aroclor 1016	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1221	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1232	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1242	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1248	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1254	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1260	ND	U		0.5	ug/L	11/19/98	dmj
SW-846 3520B	Extraction (Continuous Liq/Liq)							
	Continuous Liquid-Liquid Extraction	Complete					11/17/98	elf
SW-846 8270C	Semivolatile Organics							
	Acenaphthene	ND	U		10	ug/L	11/20/98	jcm
	Acenaphthylene	ND	U		10	ug/L	11/20/98	jcm
	Anthracene	ND	U		10	ug/L	11/20/98	jcm
	Benzidine	ND	U	YZ	50	ug/L	11/20/98	jcm
	Benzo(a)anthracene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(b)fluoranthene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(k)fluoranthene	ND	U	Y	10	ug/L	11/20/98	jcm
	Benzo(ghi)perylene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(a)pyrene	ND	U		10	ug/L	11/20/98	jcm
	Benzyl alcohol	ND	U		20	ug/L	11/20/98	jcm
	Butyl benzyl phthalate	ND	U		10	ug/L	11/20/98	jcm

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Kuoppala

Customer Sample ID: HP-MW-05
Date Sampled.....: 11/11/1998
Time Sampled.....: 14:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-4
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Bis(2-chloroethoxy)methane	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-chloroethyl)ether	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-chloroisopropyl)ether	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-ethylhexyl)phthalate	ND	U		10	ug/L	11/20/98	jcm
	4-Bromophenyl phenyl ether	ND	U		10	ug/L	11/20/98	jcm
	4-Chloroaniline	ND	U		10	ug/L	11/20/98	jcm
	2-Chloronaphthalene	ND	U		10	ug/L	11/20/98	jcm
	4-Chlorophenyl phenyl ether	ND	U		10	ug/L	11/20/98	jcm
	Chrysene	ND	U		10	ug/L	11/20/98	jcm
	Dibenzo(a,h)anthracene	ND	U		10	ug/L	11/20/98	jcm
	Dibenzofuran	ND	U		10	ug/L	11/20/98	jcm
	1,2-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	1,3-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	1,4-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	3,3-Dichlorobenzidine	ND	U		20	ug/L	11/20/98	jcm
	Diethyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Dimethyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Di-n-butyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Di-n-octyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dinitrotoluene	ND	U		10	ug/L	11/20/98	jcm
	2,6-Dinitrotoluene	ND	U		10	ug/L	11/20/98	jcm
	Fluoranthene	ND	U		10	ug/L	11/20/98	jcm
	Fluorene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorobutadiene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorocyclopentadiene	ND	U	Y	10	ug/L	11/20/98	jcm
	Hexachloroethane	ND	U		10	ug/L	11/20/98	jcm
	Indeno(1,2,3-cd)pyrene	ND	U		10	ug/L	11/20/98	jcm
	Isophorone	ND	U		10	ug/L	11/20/98	jcm
	2-Methylnaphthalene	ND	U		10	ug/L	11/20/98	jcm
	Naphthalene	ND	U		10	ug/L	11/20/98	jcm
	o-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	m-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	p-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	Nitrobenzene	ND	U		10	ug/L	11/20/98	jcm
	n-Nitrosodi-n-propylamine	ND	U		10	ug/L	11/20/98	jcm
	n-Nitrosodiphenylamine	ND	U		10	ug/L	11/20/98	jcm
	Phenanthrene	ND	U		10	ug/L	11/20/98	jcm
	Pyrene	ND	U		10	ug/L	11/20/98	jcm
	1,2,4-Trichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	Benzoic acid	ND	U	YZ	50	ug/L	11/20/98	jcm
	4-Chloro-3-methylphenol	ND	U	Y	10	ug/L	11/20/98	jcm
	2-Chlorophenol	ND	U	Y	10	ug/L	11/20/98	jcm
	2,4-Dichlorophenol	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dimethylphenol	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dinitrophenol	ND	U	Z	50	ug/L	11/20/98	jcm
	2-Methyl-4,6-dinitrophenol	ND	U		50	ug/L	11/20/98	jcm
	2-Methylphenol (o-cresol)	ND	U		10	ug/L	11/20/98	jcm
	4-Methylphenol (p-cresol)	ND	U		10	ug/L	11/20/98	jcm

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-60809 ATTN: Karen Koppele

Customer Sample ID: HP-MW-05
Date Sampled.....: 11/11/1998
Time Sampled.....: 14:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-4
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	2-Nitrophenol	ND	U		10	ug/L	11/20/98	jcm
	4-Nitrophenol	ND	U	Z	50	ug/L	11/20/98	jcm
	Pentachlorophenol	ND	U		50	ug/L	11/20/98	jcm
	Phenol	ND	U		10	ug/L	11/20/98	jcm
	2,4,5-Trichlorophenol	ND	U	Z	10	ug/L	11/20/98	jcm
	2,4,6-Trichlorophenol	ND	U	Z	10	ug/L	11/20/98	jcm
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/17/98	maz
	Bromobenzene	ND	U		5	ug/L	11/17/98	maz
	Bromochloromethane	ND	U		5	ug/L	11/17/98	maz
	Bromodichloromethane	ND	U		5	ug/L	11/17/98	maz
	Bromoform	ND	U		5	ug/L	11/17/98	maz
	Bromomethane	ND	U		10	ug/L	11/17/98	maz
	n-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	sec-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	tert-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	Carbon tetrachloride	ND	U		5	ug/L	11/17/98	maz
	Chlorobenzene	ND	U		5	ug/L	11/17/98	maz
	Chloroethane	ND	U		10	ug/L	11/17/98	maz
	Chloroform	ND	U		5	ug/L	11/17/98	maz
	Chloromethane	ND	U		10	ug/L	11/17/98	maz
	2-Chlorotoluene	ND	U		5	ug/L	11/17/98	maz
	4-Chlorotoluene	ND	U		5	ug/L	11/17/98	maz
	Dibromochloromethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/17/98	maz
	Dibromomethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	Dichlorodifluoromethane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloroethene	ND	U	Y	5	ug/L	11/17/98	maz
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/17/98	maz
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	1,3-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	2,2-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloropropene	ND	U		5	ug/L	11/17/98	maz
	Ethylbenzene	ND	U		5	ug/L	11/17/98	maz
	Hexachlorobutadiene	ND	U		5	ug/L	11/17/98	maz
	Isopropylbenzene	ND	U		5	ug/L	11/17/98	maz
	p-Isopropyltoluene	ND	U		5	ug/L	11/17/98	maz
	Methylene chloride	ND	U		5	ug/L	11/17/98	maz
	Naphthalene	ND	U		5	ug/L	11/17/98	maz
	n-Propylbenzene	ND	U		5	ug/L	11/17/98	maz
	Styrene	ND	U		5	ug/L	11/17/98	maz

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Kuoppala

Customer Sample ID: HP-MW-05
Date Sampled.....: 11/11/1998
Time Sampled.....: 14:00
Sample Matrix.....: Water

Laboratory Sample ID: 983019-4
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/17/98	maz
	Tetrachloroethene	ND	U		5	ug/L	11/17/98	maz
	Toluene	ND	U		5	ug/L	11/17/98	maz
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/17/98	maz
	Trichloroethene	ND	U		5	ug/L	11/17/98	maz
	Trichlorofluoromethane	ND	U		5	ug/L	11/17/98	maz
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/17/98	maz
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/17/98	maz
	1,2,3-Trichloropropane	ND	U		5	ug/L	11/17/98	maz
	Vinyl chloride	ND	U		10	ug/L	11/17/98	maz
	Xylenes (total)	ND	U		5	ug/L	11/17/98	maz

LABORATORY TEST RESULTS

Job Number: 983019 Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Kuoppal

Customer Sample ID: HP-MW-05A
Date Sampled.....: 11/11/1998
Time Sampled.....: 14:15
Sample Matrix.....: Water

Laboratory Sample ID: 983019-5
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 418.1	Total Recoverable Petroleum Hydrocarbons	<1			1	mg/L	11/18/98	slf
SW-846 3510B	Extraction (Sep. Funnel) Chlor. Pest							
	Separatory Funnel Liq/Liq Extraction	Complete					11/17/98	slf
SW-846 8080A	Pesticide/PCB Analysis (Organochlorine)							
	Aldrin	ND	U		0.04	ug/L	11/21/98	dmj
	beta-BHC	ND	U		0.06	ug/L	11/21/98	dmj
	delta-BHC	ND	U		0.09	ug/L	11/21/98	dmj
	alpha-BHC	ND	U		0.03	ug/L	11/21/98	dmj
	gamma-BHC (Lindane)	ND	U		0.04	ug/L	11/21/98	dmj
	Chlordane	ND	U		0.14	ug/L	11/19/98	dmj
	4,4'-DDD	ND	U		0.11	ug/L	11/21/98	dmj
	4,4'-DDE	ND	U		0.04	ug/L	11/21/98	dmj
	4,4'-DDT	ND	U	Y	0.12	ug/L	11/21/98	dmj
	Dieldrin	ND	U		0.02	ug/L	11/21/98	[illegible]
	Endosulfan I	ND	U	Y*	0.14	ug/L	11/21/98	
	Endosulfan II	ND	U		0.04	ug/L	11/21/98	
	Endosulfan sulfate	ND	U		0.66	ug/L	11/21/98	dmj
	Endrin	ND	U		0.06	ug/L	11/21/98	dmj
	Endrin aldehyde	ND	U	Y*	0.23	ug/L	11/21/98	dmj
	Heptachlor	ND	U		0.03	ug/L	11/21/98	dmj
	Heptachlor epoxide	ND	U		0.83	ug/L	11/21/98	dmj
	Methoxychlor	ND	U		1.8	ug/L	11/21/98	dmj
	Toxaphene	ND	U		2.4	ug/L	11/19/98	dmj
	Aroclor 1016	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1221	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1232	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1242	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1248	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1254	ND	U		0.5	ug/L	11/19/98	dmj
	Aroclor 1260	ND	U		0.5	ug/L	11/19/98	dmj
SW-846 3520B	Extraction (Continuous Liq/Liq)							
	Continuous Liquid-Liquid Extraction	Complete					11/17/98	slf
SW-846 8270C	Semivolatile Organics							
	Acenaphthene	ND	U		10	ug/L	11/20/98	jcm
	Acenaphthylene	ND	U		10	ug/L	11/20/98	jcm
	Anthracene	ND	U		10	ug/L	11/20/98	jcm
	Benzidine	ND	U	YZ	50	ug/L	11/20/98	jcm
	Benzo(a)anthracene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(b)fluoranthene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(k)fluoranthene	ND	U	Y	10	ug/L	11/20/98	jcm
	Benzo(ghi)perylene	ND	U		10	ug/L	11/20/98	jcm
	Benzo(a)pyrene	ND	U		10	ug/L	11/20/98	jcm
	Benzyl alcohol	ND	U		20	ug/L	11/20/98	jcm
	Butyl benzyl phthalate	ND	U		10	ug/L	11/20/98	jcm

LABORATORY TEST RESULTS

Job Number: 983019 Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER 75-80809 ATTN: Karen Kuoppala

Customer Sample ID: HP-MW-05A
Date Sampled.....: 11/11/1998
Time Sampled.....: 14:15
Sample Matrix.....: Water

Laboratory Sample ID: 983019-5
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Bis(2-chloroethoxy)methane	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-chloroethyl)ether	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-chloroisopropyl)ether	ND	U		10	ug/L	11/20/98	jcm
	Bis(2-ethylhexyl)phthalate	1.0	J		10	ug/L	11/20/98	jcm
	4-Bromophenyl phenyl ether	ND	U		10	ug/L	11/20/98	jcm
	4-Chloroaniline	ND	U		10	ug/L	11/20/98	jcm
	2-Chloronaphthalene	ND	U		10	ug/L	11/20/98	jcm
	4-Chlorophenyl phenyl ether	ND	U		10	ug/L	11/20/98	jcm
	Chrysene	ND	U		10	ug/L	11/20/98	jcm
	Dibenzo(a,h)anthracene	ND	U		10	ug/L	11/20/98	jcm
	Dibenzofuran	ND	U		10	ug/L	11/20/98	jcm
	1,2-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	1,3-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	1,4-Dichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	3,3-Dichlorobenzidine	ND	U		20	ug/L	11/20/98	jcm
	Diethyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Dimethyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Di-n-butyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	Di-n-octyl phthalate	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dinitrotoluene	ND	U		10	ug/L	11/20/98	jcm
	2,6-Dinitrotoluene	ND	U		10	ug/L	11/20/98	jcm
	Fluoranthene	ND	U		10	ug/L	11/20/98	jcm
	Fluorene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorobutadiene	ND	U		10	ug/L	11/20/98	jcm
	Hexachlorocyclopentadiene	ND	U	Y	10	ug/L	11/20/98	jcm
	Hexachloroethane	ND	U		10	ug/L	11/20/98	jcm
	Indeno(1,2,3-cd)pyrene	ND	U		10	ug/L	11/20/98	jcm
	Isophorone	ND	U		10	ug/L	11/20/98	jcm
	2-Methylnaphthalene	ND	U		10	ug/L	11/20/98	jcm
	Naphthalene	ND	U		10	ug/L	11/20/98	jcm
	o-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	m-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	p-Nitroaniline	ND	U		50	ug/L	11/20/98	jcm
	Nitrobenzene	ND	U		10	ug/L	11/20/98	jcm
	n-Nitrosodi-n-propylamine	ND	U		10	ug/L	11/20/98	jcm
	n-Nitrosodiphenylamine	ND	U		10	ug/L	11/20/98	jcm
	Phenanthrene	ND	U		10	ug/L	11/20/98	jcm
	Pyrene	ND	U		10	ug/L	11/20/98	jcm
	1,2,4-Trichlorobenzene	ND	U		10	ug/L	11/20/98	jcm
	Benzoic acid	ND	U	YZ	50	ug/L	11/20/98	jcm
	4-Chloro-3-methylphenol	ND	U	Y	10	ug/L	11/20/98	jcm
	2-Chlorophenol	ND	U	Y	10	ug/L	11/20/98	jcm
	2,4-Dichlorophenol	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dimethylphenol	ND	U		10	ug/L	11/20/98	jcm
	2,4-Dinitrophenol	ND	U	Z	50	ug/L	11/20/98	jcm
	2-Methyl-4,6-dinitrophenol	ND	U		50	ug/L	11/20/98	jcm
	2-Methylphenol (o-cresol)	ND	U		10	ug/L	11/20/98	jcm
	4-Methylphenol (p-cresol)	ND	U		10	ug/L	11/20/98	jcm

LABORATORY TEST RESULTS

Job Number: 983019

Date: 12/09/98

CUSTOMER: URS Operating Services | PROJECT: HELLER 75-80809 | ATTN: Karen Kluppola

Customer Sample ID: HP-MW-05A
Date Sampled.....: 11/11/1998
Time Sampled.....: 14:15
Sample Matrix.....: Water

Laboratory Sample ID: 983019-5
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	2-Nitrophenol	ND	U		10	ug/L	11/20/98	jcm
	4-Nitrophenol	ND	U	Z	50	ug/L	11/20/98	jcm
	Pentachlorophenol	ND	U		50	ug/L	11/20/98	jcm
	Phenol	ND	U		10	ug/L	11/20/98	jcm
	2,4,5-Trichlorophenol	ND	U	Z	10	ug/L	11/20/98	jcm
	2,4,6-Trichlorophenol	ND	U	Z	10	ug/L	11/20/98	jcm
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/17/98	maz
	Bromobenzene	ND	U		5	ug/L	11/17/98	maz
	Bromochloromethane	ND	U		5	ug/L	11/17/98	maz
	Bromodichloromethane	ND	U		5	ug/L	11/17/98	maz
	Bromoform	ND	U		5	ug/L	11/17/98	maz
	Bromomethane	ND	U		10	ug/L	11/17/98	maz
	n-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	sec-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	tert-Butylbenzene	ND	U		5	ug/L	11/17/98	maz
	Carbon tetrachloride	ND	U		5	ug/L	11/17/98	maz
	Chlorobenzene	ND	U		5	ug/L	11/17/98	maz
	Chloroethane	ND	U		10	ug/L	11/17/98	maz
	Chloroform	ND	U		5	ug/L	11/17/98	maz
	Chloromethane	ND	U		10	ug/L	11/17/98	maz
	2-Chlorotoluene	ND	U		5	ug/L	11/17/98	maz
	4-Chlorotoluene	ND	U		5	ug/L	11/17/98	maz
	Dibromochloromethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/17/98	maz
	Dibromomethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	Dichlorodifluoromethane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloroethene	ND	U	Y	5	ug/L	11/17/98	maz
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/17/98	maz
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/17/98	maz
	1,2-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	1,3-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	2,2-Dichloropropane	ND	U		5	ug/L	11/17/98	maz
	1,1-Dichloropropene	ND	U		5	ug/L	11/17/98	maz
	Ethylbenzene	ND	U		5	ug/L	11/17/98	maz
	Hexachlorobutadiene	ND	U		5	ug/L	11/17/98	maz
	Isopropylbenzene	ND	U		5	ug/L	11/17/98	maz
	p-Isopropyltoluene	ND	U		5	ug/L	11/17/98	maz
	Methylene chloride	ND	U		5	ug/L	11/17/98	maz
	Naphthalene	ND	U		5	ug/L	11/17/98	maz
	n-Propylbenzene	ND	U		5	ug/L	11/17/98	maz
	Styrene	ND	U		5	ug/L	11/17/98	maz

LABORATORY TEST RESULTS

Job Number: 983019 Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: HELLER-75-80809 ATTN: Karen Kuoppala

Customer Sample ID: MP-MW-05A
Date Sampled.....: 11/11/1998
Time Sampled.....: 14:15
Sample Matrix.....: Water

Laboratory Sample ID: 983019-5
Date Received.....: 11/13/1998
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/17/98	maz
	Tetrachloroethene	ND	U		5	ug/L	11/17/98	maz
	Toluene	ND	U		5	ug/L	11/17/98	maz
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/17/98	maz
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/17/98	maz
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/17/98	maz
	Trichloroethene	ND	U		5	ug/L	11/17/98	maz
	Trichlorofluoromethane	ND	U		5	ug/L	11/17/98	maz
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/17/98	maz
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/17/98	maz
	1,2,3-Trichloropropane	ND	U		5	ug/L	11/17/98	maz
	vinyl chloride	ND	U		10	ug/L	11/17/98	maz
	Xylenes (total)	ND	U		5	ug/L	11/17/98	maz

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ENVIRONMENTAL TESTING SERVICES

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DATE: 12.9.96 FAX NUMBER: 303 291 8296

FOR: Karen K

COMPANY: LCS

FROM: PAT MCENTEE

TOTAL NUMBER OF PAGES INCLUDING COVER PAGE: 15

MESSAGE: Karen, sorry for the delay on the PCB/Pests.

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Core Laboratories, Inc.
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ANALYTICAL REPORT

JOB NUMBER: 983033

Prepared For:

URS Operating Services
1099 18th Street, Suite 710
Denver, CO 80202-1908

Attention: Karen Knoppala

Date: 12/09/98

PRELIMINARY REPORT

Signature

Name: Patrick J. McEntee

Title: Laboratory Manager

Date

Core Laboratories, Inc.
10703 East Bethany Drive
Aurora, CO 80014

PHONE: (303) 751-1780
FAX..: (303) 751-1784

SAMPLE INFORMATION

Date: 12/09/98

Job Number.: 983033
Customer...: URS Operating Services
Attn.....: Karen Kuoppala

Project Number.....: 98000314
Customer Project ID.....: 7580A09/HELLER
Project Description....: Heller Properties

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
983033-1	GW-95 MP-GW-02	Water	11/16/1998	14:20	11/17/1998	09:50
983033-2	GW-84 MP-GW-04	Water	11/16/1998	13:00	11/17/1998	09:50
983033-3	GW-94 MP-GW-06	Water	11/16/1998	11:15	11/17/1998	09:50

LABORATORY TEST RESULTS

Job Number: 983033 Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: 75808097BELLEF ATTN: Karen Kuoppala

Customer Sample ID: GW-95 MP-GW-02
Date Sampled.....: 11/16/1998
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 983033-1
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 418.1	Total Recoverable Petroleum Hydrocarbons	<1			1	mg/L	11/18/98	slf
SW-846 3510B								
	Separatory Funnel Liq/Liq Extraction, Air	Complete					11/20/98	slf
SW-846 8080A	Pesticide/PCB Analysis (Organochlorine)							
	Aldrin	0.012		B	0.04	ug/L	12/03/98	dmj
	beta-BHC	ND	U		0.06	ug/L	12/03/98	dmj
	delta-BHC	ND	U		0.09	ug/L	12/03/98	dmj
	alpha-BHC	ND	U		0.03	ug/L	12/03/98	dmj
	gamma-BHC (Lindane)	ND	U		0.04	ug/L	12/03/98	dmj
	Chlordane	ND	U		0.14	ug/L	12/03/98	dmj
	4,4'-DDD	ND	U		0.11	ug/L	12/03/98	dmj
	4,4'-DDE	ND	U		0.04	ug/L	12/03/98	dmj
	4,4'-DDT	ND	U		0.12	ug/L	12/03/98	dmj
	Dieldrin	0.0073			0.02	ug/L	12/03/98	dmj
	Endosulfan I	ND	U		0.14	ug/L	12/03/98	dmj
	Endosulfan II	ND	U		0.04	ug/L	12/03/98	dmj
	Endosulfan sulfate	ND	U		0.66	ug/L	12/03/98	dmj
	Endrin	ND	U		0.06	ug/L	12/03/98	dmj
	Endrin aldehyde	ND	U		0.23	ug/L	12/03/98	dmj
	Heptachlor	ND	U		0.03	ug/L	12/03/98	dmj
	Heptachlor epoxide	0.0072	J		0.83	ug/L	12/03/98	dmj
	Methoxychlor	ND	U		1.8	ug/L	12/03/98	dmj
	Toxaphene	ND	U		2.4	ug/L	12/03/98	dmj
	Aroclor 1016	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1221	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1232	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1242	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1248	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1254	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1260	ND	U		0.5	ug/L	12/02/98	dmj
SW-846 3520B	Extraction (Continuous Liq/Liq)							
	Continuous Liquid-Liquid Extraction	Complete					11/20/98	slf
SW-846 8270C	Semivolatile Organics							
	Acenaphthene	ND	U		10	ug/L	11/24/98	jcm
	Acenaphthylene	ND	U		10	ug/L	11/24/98	jcm
	Anthracene	ND	U		10	ug/L	11/24/98	jcm
	Benzidine	ND	U		50	ug/L	11/24/98	jcm
	Benzo(a)anthracene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(b)fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(k)fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(ghi)perylene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(a)pyrene	ND	U		10	ug/L	11/24/98	jcm
	Benzyl alcohol	ND	U		20	ug/L	11/24/98	jcm
	Butyl benzyl phthalate	ND	U		10	ug/L	11/24/98	jcm

LABORATORY TEST RESULTS

Job Number: 983033

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-95 HP-GW-02
Date Sampled.....: 11/16/1998
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 983033-1
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Bis(2-chloroethoxy)methane	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroethyl)ether	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroisopropyl)ether	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-ethylhexyl)phthalate	4.8	J		10	ug/L	11/24/98	jcm
	4-Bromophenyl phenyl ether	ND	U		10	ug/L	11/24/98	jcm
	4-Chloroaniline	ND	U		10	ug/L	11/24/98	jcm
	2-Chloronaphthalene	ND	U		10	ug/L	11/24/98	jcm
	4-Chlorophenyl phenyl ether	ND	U		10	ug/L	11/24/98	jcm
	Chrysene	ND	U		10	ug/L	11/24/98	jcm
	Dibenzo(a,h)anthracene	ND	U		10	ug/L	11/24/98	jcm
	Dibenzofuran	ND	U		10	ug/L	11/24/98	jcm
	1,2-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	1,3-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	1,4-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	3,3-Dichlorobenzidine	ND	U		20	ug/L	11/24/98	jcm
	Diethyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Dimethyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Di-n-butyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Di-n-octyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrotoluene	ND	U		10	ug/L	11/24/98	jcm
	2,6-Dinitrotoluene	ND	U		10	ug/L	11/24/98	jcm
	Fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Fluorene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorobutadiene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorocyclopentadiene	ND	U		10	ug/L	11/24/98	jcm
	Hexachloroethane	ND	U		10	ug/L	11/24/98	jcm
	Indeno(1,2,3-cd)pyrene	ND	U		10	ug/L	11/24/98	jcm
	Isophorone	ND	U		10	ug/L	11/24/98	jcm
	2-Methylnaphthalene	ND	U		10	ug/L	11/24/98	jcm
	Naphthalene	ND	U		10	ug/L	11/24/98	jcm
	o-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	m-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	p-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	Nitrobenzene	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodi-n-propylamine	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodiphenylamine	ND	U		10	ug/L	11/24/98	jcm
	Phenanthrene	ND	U		10	ug/L	11/24/98	jcm
	Pyrene	ND	U		10	ug/L	11/24/98	jcm
	1,2,4-Trichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Benzoic acid	ND	U		50	ug/L	11/24/98	jcm
	4-Chloro-3-methylphenol	ND	U		10	ug/L	11/24/98	jcm
	2-Chlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dimethylphenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methyl-4,6-dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methylphenol (o-cresol)	ND	U		10	ug/L	11/24/98	jcm
	4-Methylphenol (p-cresol)	ND	U		10	ug/L	11/24/98	jcm

LABORATORY TEST RESULTS

Job Number: 983033

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: 7580899/HELLER ATTN: Karen Kuompala

Customer Sample ID: GW-95 MP-GW-02
Date Sampled.....: 11/16/1998
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 983033-1
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	2-Nitrophenol	ND	U		10	ug/L	11/24/98	jcm
	4-Nitrophenol	ND	U		50	ug/L	11/24/98	jcm
	Pentachlorophenol	ND	U		50	ug/L	11/24/98	jcm
	Phenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,5-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,6-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/18/98	maz
	Bromobenzene	ND	U		5	ug/L	11/18/98	maz
	Bromochloromethane	ND	U		5	ug/L	11/18/98	maz
	Bromodichloromethane	ND	U		5	ug/L	11/18/98	maz
	Bromoform	ND	U		5	ug/L	11/18/98	maz
	Bromomethane	ND	U		10	ug/L	11/18/98	maz
	n-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	sec-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	tert-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	Carbon tetrachloride	ND	U		5	ug/L	11/18/98	maz
	Chlorobenzene	ND	U		5	ug/L	11/18/98	maz
	Chloroethane	ND	U		10	ug/L	11/18/98	maz
	Chloroform	ND	U		5	ug/L	11/18/98	maz
	Chloromethane	ND	U		10	ug/L	11/18/98	maz
	2-Chlorotoluene	ND	U		5	ug/L	11/18/98	maz
	4-Chlorotoluene	ND	U		5	ug/L	11/18/98	maz
	Dibromochloromethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/18/98	maz
	Dibromomethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	Dichlorodifluoromethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	2,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloropropene	ND	U		5	ug/L	11/18/98	maz
	Ethylbenzene	ND	U		5	ug/L	11/18/98	maz
	Hexachlorobutadiene	ND	U		5	ug/L	11/18/98	maz
	Isopropylbenzene	ND	U		5	ug/L	11/18/98	maz
	p-Isopropyltoluene	ND	U		5	ug/L	11/18/98	maz
	Methylene chloride	ND	U		5	ug/L	11/18/98	maz
	Naphthalene	ND	U		5	ug/L	11/18/98	maz
	n-Propylbenzene	ND	U		5	ug/L	11/18/98	maz
	Styrene	ND	U		5	ug/L	11/18/98	maz

LABORATORY TEST RESULTS

Job Number: 983033

Date: 12/09/98

CUSTOMER: IWR Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-95 HP-GW-02
Date Sampled.....: 11/16/1998
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 983033-1
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	maz
	Tetrachloroethene	ND	U		5	ug/L	11/18/98	maz
	Toluene	ND	U		5	ug/L	11/18/98	maz
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/18/98	maz
	Trichloroethene	ND	U		5	ug/L	11/18/98	maz
	Trichlorofluoromethane	ND	U		5	ug/L	11/18/98	maz
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/18/98	maz
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/18/98	maz
	1,2,3-Trichloropropane	ND	U		5	ug/L	11/18/98	maz
	Vinyl chloride	ND	U		10	ug/L	11/18/98	maz
	Xylenes (total)	ND	U		5	ug/L	11/18/98	maz

LABORATORY TEST RESULTS

Job Number: 983033

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-84 MP-GW-04
Date Sampled.....: 11/16/1998
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 983033-2
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 418.1	Total Recoverable Petroleum Hydrocarbons	<1			1	mg/L	11/18/98	slf
SW-846 3510B								
	Separatory Funnel Liq/Liq Extraction, Air	Complete					11/20/98	slf
SW-846 8080A	Pesticide/PCB Analysis (Organochlorine)							
	Aldrin	0.010		B	0.04	ug/L	12/03/98	dmj
	beta-BHC	ND	U		0.06	ug/L	12/03/98	dmj
	delta-BHC	ND	U		0.09	ug/L	12/03/98	dmj
	alpha-BHC	ND	U		0.03	ug/L	12/03/98	dmj
	gamma-BHC (Lindane)	ND	U		0.04	ug/L	12/03/98	dmj
	Chlordane	ND	U		0.14	ug/L	12/03/98	dmj
	4,4'-DDD	ND	U		0.11	ug/L	12/03/98	dmj
	4,4'-DDE	ND	U		0.04	ug/L	12/03/98	dmj
	4,4'-DDT	ND	U		0.12	ug/L	12/03/98	dmj
	Dieldrin	ND	U		0.02	ug/L	12/03/98	dmj
	Endosulfan I	ND	U		0.14	ug/L	12/03/98	dmj
	Endosulfan II	ND	U		0.04	ug/L	12/03/98	dmj
	Endosulfan sulfate	ND	U		0.66	ug/L	12/03/98	dmj
	Endrin	ND	U		0.06	ug/L	12/03/98	dmj
	Endrin aldehyde	ND	U		0.23	ug/L	12/03/98	dmj
	Heptachlor	0.010			0.03	ug/L	12/03/98	dmj
	Heptachlor epoxide	ND	U		0.83	ug/L	12/03/98	dmj
	Methoxychlor	ND	U		1.8	ug/L	12/03/98	dmj
	Toxaphene	ND	U		2.4	ug/L	12/03/98	dmj
	Aroclor 1016	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1221	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1232	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1242	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1248	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1254	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1260	ND	U		0.5	ug/L	12/02/98	dmj
SW-846 3520B	Extraction (Continuous Liq/Liq)							
	Continuous Liquid-Liquid Extraction	Complete					11/20/98	slf
SW-846 8270C	Semivolatile Organics							
	Acenaphthene	ND	U		10	ug/L	11/24/98	jcm
	Acenaphthylene	ND	U		10	ug/L	11/24/98	jcm
	Anthracene	ND	U		10	ug/L	11/24/98	jcm
	Benzidine	ND	U		50	ug/L	11/24/98	jcm
	Benzo(a)anthracene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(b)fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(k)fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(ghi)perylene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(a)pyrene	ND	U		10	ug/L	11/24/98	jcm
	Benzyl alcohol	ND	U		20	ug/L	11/24/98	jcm
	Butyl benzyl phthalate	ND	U		10	ug/L	11/24/98	jcm

LABORATORY TEST RESULTS

Job Number: 983033

Date: 12/09/98

CUSTOMER: URS Operating Services PHONE: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-84 HP-GW-04
Date Sampled.....: 11/16/1998
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 983033-2
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Bis(2-chloroethoxy)methane	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroethyl)ether	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroisopropyl)ether	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-ethylhexyl)phthalate	7.4	J		10	ug/L	11/24/98	jcm
	4-Bromophenyl phenyl ether	ND	U		10	ug/L	11/24/98	jcm
	4-Chloroaniline	ND	U		10	ug/L	11/24/98	jcm
	2-Chloronaphthalene	ND	U		10	ug/L	11/24/98	jcm
	4-Chlorophenyl phenyl ether	ND	U		10	ug/L	11/24/98	jcm
	Chrysene	ND	U		10	ug/L	11/24/98	jcm
	Dibenzo(a,h)anthracene	ND	U		10	ug/L	11/24/98	jcm
	Dibenzofuran	ND	U		10	ug/L	11/24/98	jcm
	1,2-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	1,3-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	1,4-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	3,3-Dichlorobenzidine	ND	U		20	ug/L	11/24/98	jcm
	Diethyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Dimethyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Di-n-butyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Di-n-octyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrotoluene	ND	U		10	ug/L	11/24/98	jcm
	2,6-Dinitrotoluene	ND	U		10	ug/L	11/24/98	jcm
	Fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Fluorene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorobutadiene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorocyclopentadiene	ND	U		10	ug/L	11/24/98	jcm
	Hexachloroethane	ND	U		10	ug/L	11/24/98	jcm
	Indeno(1,2,3-cd)pyrene	ND	U		10	ug/L	11/24/98	jcm
	Isophorone	ND	U		10	ug/L	11/24/98	jcm
	2-Methylnaphthalene	ND	U		10	ug/L	11/24/98	jcm
	Naphthalene	ND	U		10	ug/L	11/24/98	jcm
	o-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	m-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	p-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	Nitrobenzene	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodi-n-propylamine	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodiphenylamine	ND	U		10	ug/L	11/24/98	jcm
	Phenanthrene	ND	U		10	ug/L	11/24/98	jcm
	Pyrene	ND	U		10	ug/L	11/24/98	jcm
	1,2,4-Trichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Benzoic acid	ND	U		50	ug/L	11/24/98	jcm
	4-Chloro-3-methylphenol	ND	U		10	ug/L	11/24/98	jcm
	2-Chlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dimethylphenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methyl-4,6-dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methylphenol (o-cresol)	ND	U		10	ug/L	11/24/98	jcm
	4-Methylphenol (p-cresol)	ND	U		10	ug/L	11/24/98	jcm

LABORATORY TEST RESULTS

Job Number: 983033

Date: 12/09/98

CUSTOMER: ORS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuspela

Customer Sample ID: GW-84 MP-GW-04
Date Sampled.....: 11/16/1998
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 983033-2
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	2-Nitrophenol	ND	U		10	ug/L	11/24/98	jcm
	4-Nitrophenol	ND	U		50	ug/L	11/24/98	jcm
	Pentachlorophenol	ND	U		50	ug/L	11/24/98	jcm
	Phenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,5-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,6-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/18/98	maz
	Bromobenzene	ND	U		5	ug/L	11/18/98	maz
	Bromochloromethane	ND	U		5	ug/L	11/18/98	maz
	Bromodichloromethane	ND	U		5	ug/L	11/18/98	maz
	Bromoform	ND	U		5	ug/L	11/18/98	maz
	Bromomethane	ND	U		10	ug/L	11/18/98	maz
	n-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	sec-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	tert-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	Carbon tetrachloride	ND	U		5	ug/L	11/18/98	maz
	Chlorobenzene	ND	U		5	ug/L	11/18/98	maz
	Chloroethane	ND	U		10	ug/L	11/18/98	maz
	Chloroform	ND	U		5	ug/L	11/18/98	maz
	Chloromethane	ND	U		10	ug/L	11/18/98	maz
	2-Chlorotoluene	ND	U		5	ug/L	11/18/98	maz
	4-Chlorotoluene	ND	U		5	ug/L	11/18/98	maz
	Dibromochloromethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/18/98	maz
	Dibromomethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	Dichlorodifluoromethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	2,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloropropene	ND	U		5	ug/L	11/18/98	maz
	Ethylbenzene	ND	U		5	ug/L	11/18/98	maz
	Hexachlorobutadiene	ND	U		5	ug/L	11/18/98	maz
	Isopropylbenzene	ND	U		5	ug/L	11/18/98	maz
	p-Isopropyltoluene	ND	U		5	ug/L	11/18/98	maz
	Methylene chloride	ND	U		5	ug/L	11/18/98	maz
	Naphthalene	ND	U		5	ug/L	11/18/98	maz
	n-Propylbenzene	ND	U		5	ug/L	11/18/98	maz
	Styrene	ND	U		5	ug/L	11/18/98	maz

LABORATORY TEST RESULTS

Job Number: 983033

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Koppala

Customer Sample ID: GW-84 MP-GW-04
Date Sampled.....: 11/16/1998
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 983033-2
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	mez
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	mez
	Tetrachloroethene	ND	U		5	ug/L	11/18/98	mez
	Toluene	ND	U		5	ug/L	11/18/98	mez
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/18/98	mez
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/18/98	mez
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/18/98	mez
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/18/98	mez
	Trichloroethene	ND	U		5	ug/L	11/18/98	mez
	Trichlorofluoromethane	ND	U		5	ug/L	11/18/98	mez
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/18/98	mez
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/18/98	mez
	1,2,3-Trichloropropane	ND	U		5	ug/L	11/18/98	mez
	Vinyl chloride	ND	U		10	ug/L	11/18/98	mez
	Xylenes (total)	ND	U		5	ug/L	11/18/98	mez

LABORATORY TEST RESULTS

Job Number: 983033 Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-94 HP-GW-06
Date Sampled.....: 11/16/1998
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 983033-3
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 418.1	Total Recoverable Petroleum Hydrocarbons	<1			1	mg/L	11/18/98	slf
SW-846 3510B								
	Separatory Funnel Liq/Liq Extraction, Air	Complete					11/20/98	slf
SW-846 8080A	Pesticide/PCB Analysis (Organochlorine)							
	Aldrin	0.014		B	0.04	ug/L	12/03/98	dmj
	beta-BHC	ND	U		0.06	ug/L	12/03/98	dmj
	delta-BHC	ND	U		0.09	ug/L	12/03/98	dmj
	alpha-BHC	ND	U		0.03	ug/L	12/03/98	dmj
	gamma-BHC (Lindane)	ND	U		0.04	ug/L	12/03/98	dmj
	Chlordane	ND	U		0.14	ug/L	12/03/98	dmj
	4,4'-DDD	ND	U		0.11	ug/L	12/03/98	dmj
	4,4'-DDE	ND	U		0.04	ug/L	12/03/98	dmj
	4,4'-DDT	ND	U		0.12	ug/L	12/03/98	dmj
	Dieldrin	ND	U		0.02	ug/L	12/03/98	dmj
	Endosulfan I	ND	U		0.14	ug/L	12/03/98	dmj
	Endosulfan II	ND	U		0.04	ug/L	12/03/98	dmj
	Endosulfan sulfate	ND	U		0.66	ug/L	12/03/98	dmj
	Endrin	ND	U		0.06	ug/L	12/03/98	dmj
	Endrin aldehyde	ND	U		0.23	ug/L	12/03/98	dmj
	Heptachlor	ND	U		0.03	ug/L	12/03/98	dmj
	Heptachlor epoxide	ND	U		0.83	ug/L	12/03/98	dmj
	Methoxychlor	ND	U		1.8	ug/L	12/03/98	dmj
	Toxaphene	ND	U		2.4	ug/L	12/03/98	dmj
	Aroclor 1016	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1221	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1232	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1242	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1248	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1254	ND	U		0.5	ug/L	12/02/98	dmj
	Aroclor 1260	ND	U		0.5	ug/L	12/02/98	dmj
SW-846 3520B	Extraction (Continuous Liq/Liq)							
	Continuous Liquid-Liquid Extraction	Complete					11/20/98	slf
SW-846 8270C	Semivolatile Organics							
	Acenaphthene	ND	U		10	ug/L	11/24/98	jcm
	Acenaphthylene	ND	U		10	ug/L	11/24/98	jcm
	Anthracene	ND	U		10	ug/L	11/24/98	jcm
	Benzidine	ND	U		50	ug/L	11/24/98	jcm
	Benzo(a)anthracene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(b)fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(k)fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(ghi)perylene	ND	U		10	ug/L	11/24/98	jcm
	Benzo(a)pyrene	ND	U		10	ug/L	11/24/98	jcm
	Benzyl alcohol	ND	U		20	ug/L	11/24/98	jcm
	Butyl benzyl phthalate	ND	U		10	ug/L	11/24/98	jcm

LABORATORY TEST RESULTS

Job Number: 983033 | Date: 12/09/98

CUSTOMER: URS Operating Services | PROJECT: 7580809/HEELER | ATTN: Karen Kuppela

Customer Sample ID: GW-94 HP-GW-06
Date Sampled.....: 11/16/1998
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 983033-3
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	Bis(2-chloroethoxy)methane	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroethyl)ether	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-chloroisopropyl)ether	ND	U		10	ug/L	11/24/98	jcm
	Bis(2-ethylhexyl)phthalate	1.7	J		10	ug/L	11/24/98	jcm
	4-Bromophenyl phenyl ether	ND	U		10	ug/L	11/24/98	jcm
	4-Chloroaniline	ND	U		10	ug/L	11/24/98	jcm
	2-Chloronaphthalene	ND	U		10	ug/L	11/24/98	jcm
	4-Chlorophenyl phenyl ether	ND	U		10	ug/L	11/24/98	jcm
	Chrysene	ND	U		10	ug/L	11/24/98	jcm
	Dibenzo(a,h)anthracene	ND	U		10	ug/L	11/24/98	jcm
	Dibenzofuran	ND	U		10	ug/L	11/24/98	jcm
	1,2-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	1,3-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	1,4-Dichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	3,3-Dichlorobenzidine	ND	U		20	ug/L	11/24/98	jcm
	Diethyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Dimethyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Di-n-butyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	Di-n-octyl phthalate	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrotoluene	ND	U		10	ug/L	11/24/98	jcm
	2,6-Dinitrotoluene	ND	U		10	ug/L	11/24/98	jcm
	Fluoranthene	ND	U		10	ug/L	11/24/98	jcm
	Fluorene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorobutadiene	ND	U		10	ug/L	11/24/98	jcm
	Hexachlorocyclopentadiene	ND	U		10	ug/L	11/24/98	jcm
	Hexachloroethane	ND	U		10	ug/L	11/24/98	jcm
	Indeno(1,2,3-cd)pyrene	ND	U		10	ug/L	11/24/98	jcm
	Isophorone	ND	U		10	ug/L	11/24/98	jcm
	2-Methylnaphthalene	ND	U		10	ug/L	11/24/98	jcm
	Naphthalene	ND	U		10	ug/L	11/24/98	jcm
	o-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	m-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	p-Nitroaniline	ND	U		50	ug/L	11/24/98	jcm
	Nitrobenzene	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodi-n-propylamine	ND	U		10	ug/L	11/24/98	jcm
	n-Nitrosodiphenylamine	ND	U		10	ug/L	11/24/98	jcm
	Phenanthrene	ND	U		10	ug/L	11/24/98	jcm
	Pyrene	ND	U		10	ug/L	11/24/98	jcm
	1,2,4-Trichlorobenzene	ND	U		10	ug/L	11/24/98	jcm
	Benzoic acid	ND	U		50	ug/L	11/24/98	jcm
	4-Chloro-3-methylphenol	ND	U		10	ug/L	11/24/98	jcm
	2-Chlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dimethylphenol	ND	U		10	ug/L	11/24/98	jcm
	2,4-Dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methyl-4,6-dinitrophenol	ND	U		50	ug/L	11/24/98	jcm
	2-Methylphenol (o-cresol)	ND	U		10	ug/L	11/24/98	jcm
	4-Methylphenol (p-cresol)	ND	U		10	ug/L	11/24/98	jcm

LABORATORY TEST RESULTS

Job Number: 983033

Date: 12/09/98

CUSTOMER: URS Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-94 HP-GW-06
Date Sampled.....: 11/16/1998
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 983033-3
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	2-Nitrophenol	ND	U		10	ug/L	11/24/98	jcm
	4-Nitrophenol	ND	U		50	ug/L	11/24/98	jcm
	Pentachlorophenol	ND	U		50	ug/L	11/24/98	jcm
	Phenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,5-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
	2,4,6-Trichlorophenol	ND	U		10	ug/L	11/24/98	jcm
SW-846 8260B	Volatile Organics							
	Benzene	ND	U		1	ug/L	11/18/98	maz
	Bromobenzene	ND	U		5	ug/L	11/18/98	maz
	Bromochloromethane	ND	U		5	ug/L	11/18/98	maz
	Bromodichloromethane	ND	U		5	ug/L	11/18/98	maz
	Bromoform	ND	U		5	ug/L	11/18/98	maz
	Bromomethane	ND	U		10	ug/L	11/18/98	maz
	n-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	sec-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	tert-Butylbenzene	ND	U		5	ug/L	11/18/98	maz
	Carbon tetrachloride	ND	U		5	ug/L	11/18/98	maz
	Chlorobenzene	ND	U		5	ug/L	11/18/98	maz
	Chloroethane	ND	U		10	ug/L	11/18/98	maz
	Chloroform	ND	U		5	ug/L	11/18/98	maz
	Chloromethane	ND	U		10	ug/L	11/18/98	maz
	2-Chlorotoluene	ND	U		5	ug/L	11/18/98	maz
	4-Chlorotoluene	ND	U		5	ug/L	11/18/98	maz
	Dibromochloromethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dibromo-3-chloropropane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dibromoethane (EDB)	ND	U		5	ug/L	11/18/98	maz
	Dibromomethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,4-Dichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	Dichlorodifluoromethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	cis-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	trans-1,2-Dichloroethene	ND	U		5	ug/L	11/18/98	maz
	1,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,3-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	2,2-Dichloropropane	ND	U		5	ug/L	11/18/98	maz
	1,1-Dichloropropene	ND	U		5	ug/L	11/18/98	maz
	Ethylbenzene	ND	U		5	ug/L	11/18/98	maz
	Hexachlorobutadiene	ND	U		5	ug/L	11/18/98	maz
	Isopropylbenzene	ND	U		5	ug/L	11/18/98	maz
	p-Isopropyltoluene	ND	U		5	ug/L	11/18/98	maz
	Methylene chloride	ND	U		5	ug/L	11/18/98	maz
	Naphthalene	ND	U		5	ug/L	11/18/98	maz
	n-Propylbenzene	ND	U		5	ug/L	11/18/98	maz
	Styrene	ND	U		5	ug/L	11/18/98	maz

LABORATORY TEST RESULTS

Job Number: 983033

Date: 12/09/98

CUSTOMER: UES Operating Services PROJECT: 7580809/HELLER ATTN: Karen Kuoppala

Customer Sample ID: GW-94 MP-GW-06
Date Sampled.....: 11/16/1998
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 983033-3
Date Received.....: 11/17/1998
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
	1,1,1,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1,2,2-Tetrachloroethane	ND	U		5	ug/L	11/18/98	maz
	Tetrachloroethene	ND	U		5	ug/L	11/18/98	maz
	Toluene	ND	U		5	ug/l	11/18/98	maz
	1,2,3-Trichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,2,4-Trichlorobenzene	ND	U		5	ug/L	11/18/98	maz
	1,1,1-Trichloroethane	ND	U		5	ug/L	11/18/98	maz
	1,1,2-Trichloroethane	ND	U		5	ug/L	11/18/98	maz
	Trichloroethene	ND	U		5	ug/L	11/18/98	maz
	Trichlorofluoromethane	ND	U		5	ug/L	11/18/98	maz
	1,2,4-Trimethylbenzene	ND	U		5	ug/L	11/18/98	maz
	1,3,5-Trimethylbenzene	ND	U		5	ug/L	11/18/98	maz
	1,2,3-Trichloropropane	ND	U		5	ug/L	11/18/98	maz
	Vinyl chloride	ND	U		10	ug/L	11/18/98	maz
	Xylenes (total)	ND	U		5	ug/L	11/18/98	maz

TABLE 2
XRF vs. Lab Data - Relative Percent Differences

Sample ID	As (XRF) ppm	AS (Lab) ppm	As-RPD	Cd (XRF) ppm	CD (Lab) ppm	Cd-RPD	Pb (XRF) ppm	PB (Lab) ppm	Pb-RPD
HP-SB-001A	140 J	9.8	74.9	82 U	4.2	NA	140	140	0
HP-SB-005B	120 U	146	NA	82 U	15.8	NA	1,200	3,680	-82
HP-SB-017B	48 U	15.3	NA	61 U	10.5	NA	52 J	63.4	-14
HP-SB-021B	48 U	8.3 B	NA	71 J	0.15 U	NA	35 U	12.7	NA
HP-SB-023A	53 U	136	NA	180 J	114	45	530	1,800	-89
HP-SB-024B	79 J	51	43	61 U	22.2	NA	330	844	-68
HP-SB-029B	48 U	14 B	NA	75 J	4.2	179	200	452	-59
HP-SB-031A	370 U	255	NA	160 J	50.9	103	3,700	6,790	-44
HP-SB-032A	97 U	58.8	NA	72 J	44.9	46	970	1,450	-28
HP-SB-033A	670 U	245	NA	310	5.6	193	6,700	11,600	-39
HP-SB-037A	170 U	111	NA	85 J	5.4	176	1,700	3,430	-51
HP-SB-039A	48	53.1	-10	78 J	42.5	59	230	817	-92
HP-SB-042AD	170 U	173	NA	150 J	85.1	55	1,700	3,020	-87
HP-SB-046B	91 J	28.2	105	83 J	95.6	-14	34 U	2,1.8	27
HP-SB-051A	520 U	415	NA	270 J	34	155	5,200	9,410	-43
HP-SB-051B	600 U	361	NA	290	32	160	6,000	9,500	-33
HP-SB-052A	190 U	149	NA	110 J	26.4	123	1,900	3,400	-42
HP-SB-061D	270	150	57	81 U	28.9	NA	34 U	15.9	NA
HP-SB-072F	110 J	64.3	52	91 J	59.3	42	50 J	61.7	-14
HP-SB-078A	57 U	1.9	NA	82 U	0.14 U	NA	27 J	8.9	58
HP-SB-081A	230	266	-15	1,400	1,710	-20	610	790	-18
HP-SB-089A	66 J	79.8	-19	96 J	22.1	125	130	130	0
HP-SB-093B	160 U	173	NA	82 U	36.3	NA	1,600	5,010	-83
HP-SB-093C	1,600	1,370	15	82 U	125	NA	760	1,000	-19
HP-SB-094CD	100 J	69.9	35	82 U	23	NA	310	363	-16
HP-SB-098B	120 J	151	-23	380	455	-18	490	520	-4
HP-SB-098C	350	270	26	220 J	252	-14	110 J	301	-73
HP-SB-099B	69 U	18.4	NA	94 J	13.4	150	50 J	90.2	-42
HP-SB-101A	69 U	54.7	NA	570	513	11	140 J	170	-13
HP-SB-103A	540	392	32	83 U	48.5	NA	1,400	1,150	13

TABLE 2
XRF vs. Lab Data - Relative Percent Differences

(continued)

Sample ID	As (XRF) ppm	AS (Lab) ppm	As-RPD	Cd (XRF) ppm	CD (Lab) ppm	Cd-RPD	Pb (XRF) ppm	PB (Lab) ppm	Pb-RPD
HP-SB-107A	180 J	134	29	83 U	62.7	NA	350	456	-18
HP-SB-108A	88 U	138	NA	79 U	34.9	NA	880	1,600	-43
HP-SB-108B	470	479	-2	120 J	113	6	1,400	2,290	-35
HP-SB-108C	310	230	30	79 U	38	NA	140 J	695	-114
HP-SB-109B	160	103	43	79 U	10	NA	47 J	200	-104
HP-SB-111B	690 U	408	NA	420	98.7	124	6,900	9,280	-21
HP-SB-111C	780 U	701	NA	320	75	124	7,800	14,700	-46
HP-SB-115A	210	283	-30	480	394	20	1,700	2,760	-34
HP-SB-118B	520 U	455	NA	330	32.8	164	5,200	7,600	-27
HP-SB-118C	150 U	207	NA	97 J	8.1	169	1,500	3,510	-62
HP-SB-122B	48 U	11.8	NA	640	805	-23	44 U	26.6	NA
HP-SB-123A	890	709	23	260 J	211	21	2,300	3,670	-33

J The associated numerical value is an estimated quantity because quality control criteria were not met. Presence of the analyte is reliable.

U The analyte was not detected above the indicated reporting limit (XRF detection limits fluctuate based on a daily statistical evalu of the instrument stability).

NA Not available due to non-detect.

Metals

METALS

Client Name: Quanterra Incorporated
Client ID: SB-42 (2-3)
LAB ID: 135229-0001-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

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Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date
Arsenic	36.8		1.0	1.0	mg/kg	6010B	24 NOV
Barium	172		1.0	1.0	mg/kg	6010B	24 NOV
Cadmium	72.8		1.0	0.20	mg/kg	6010B	24 NOV
Chromium	8.6		1.0	0.50	mg/kg	6010B	24 NOV
Lead	273		1.0	0.30	mg/kg	6010B	24 NOV
Mercury	1.5		1.0	0.10	mg/kg	SW7471	30 NOV
Selenium	2.9		1.0	0.50	mg/kg	6010B	24 NOV
Silver	0.76		1.0	0.50	mg/kg	6010B	24 NOV

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-42 (3-6)
LAB ID: 135229-0002-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	10 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	10 DEC 98
Cadmium	0.62		1.0	0.10	mg/L	6010B	10 DEC 98	10 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	10 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	10 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	10 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	10 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-43 (1-2)
LAB ID: 135229-0003-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	0.65		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-43 (3-5)
LAB ID: 135229-0004-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	121		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 9
Barium	145		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 9
Cadmium	48.5		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 9
Chromium	9.8		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9
Lead	285		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 9
Mercury	0.77		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 9
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9
Silver	2.3		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-43 (6-9)
LAB ID: 135229-0005-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 9[illegible]
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 9[illegible]
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9[illegible]
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 9[illegible]
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-44 (1-2)
LAB ID: 135229-0006-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	0.96		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	0.79		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-44 (2-3)
LAB ID: 135229-0007-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	116		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	181		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	58.6		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	10.2		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	444		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	0.96		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	2.7		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-44 (6-9)
LAB ID: 135229-0008-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-45 (1-2)
LAB ID: 135229-0009-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.0		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 9
Cadmium	1.1		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-45 (2-3)
LAB ID: 135229-0010-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	156		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 9
Barium	194		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 9
Cadmium	121		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 9
Chromium	13.9		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9
Lead	473		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 9
Mercury	1.3		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 9
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9
Silver	2.4		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-45 (3-6)
LAB ID: 135229-0011-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 9
Cadmium	0.18		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-46 (1-2)
LAB ID: 135229-0012-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC
Cadmium	0.14		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-46 (2-3)
LAB ID: 135229-0013-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	66.2		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	219		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	10.5		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	11.6		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	135		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	0.15		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	0.69		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-46 (6-9)
LAB ID: 135229-0014-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-47 (1-2)
LAB ID: 135229-0015-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-47 2-3
LAB ID: 135229-0016-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.6		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	132		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	0.58		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	8.4		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	25.3		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-47 3-6
LAB ID: 135229-0017-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC
Cadmium	0.21		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	0.93		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-48 2-3
LAB ID: 135229-0018-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.0		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	70.0		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	0.33		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	4.9		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	11.7		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-48 3-6
LAB ID: 135229-0019-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-49 2-3
LAB ID: 135229-0020-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	22.5		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	352		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	30.1		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	13.2		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	468		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	0.15		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	1.4		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-49 6-9
LAB ID: 135229-0021-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	0.29		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-50 2-3
LAB ID: 135229-0022-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.9		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 9
Barium	140		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 9
Cadmium	0.49		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 9
Chromium	4.6		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9
Lead	15.8		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 9
Mercury	0.11		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 9
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-50 6-9
LAB ID: 135229-0023-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 9
Cadmium	0.26		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9

1 = TCLP extraction was 11/20/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-51 1-2
LAB ID: 135229-0024-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-51 2-3
LAB ID: 135229-0025-SA
Matrix: SOIL — Sampled: 04 NOV 98 — Received: 18 NOV 98
Authorized: 18 NOV 98 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.9		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	110		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	3.2		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	7.2		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	72.6		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	0.16		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-51 3-6
LAB ID: 135229-0026-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	5.7		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-52 1-2
LAB ID: 135229-0027-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	0.11		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	3.9		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-52 2-3
LAB ID: 135229-0028-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	119		10	10.0	mg/kg	6010B	24 NOV 98	30 NOV 98
Barium	3130		10	10.0	mg/kg	6010B	24 NOV 98	30 NOV 98
Cadmium	37.5		10	2.0	mg/kg	6010B	24 NOV 98	30 NOV 98
Chromium	19.9		10	5.0	mg/kg	6010B	24 NOV 98	30 NOV 98
Lead	5140		10	3.0	mg/kg	6010B	24 NOV 98	30 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND	G	10	5.0	mg/kg	6010B	24 NOV 98	30 NOV 98
Silver	13.3		10	5.0	mg/kg	6010B	24 NOV 98	30 NOV 98

G = Reporting limit(s) raised due to matrix interference.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-52 3-6
LAB ID: 135229-0029-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	0.28		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	0.64		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-53 1-2
LAB ID: 135229-0030-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-53 3-5
LAB ID: 135229-0031-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	18.7		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	ND		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	1.9		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	2.4		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-53 6-9
LAB ID: 135229-0032-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-54 (2-3)
LAB ID: 135229-0033-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	7.0		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	127		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	7.9		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	3.9		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	46.6		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	0.22		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-55 1-3
LAB ID: 135229-0034-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	131		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	225		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	59.1		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	12.8		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	700		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	0.17		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	4.5		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-56 2-3
LAB ID: 135229-0035-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.4		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	155		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	1.3		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	5.0		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	19.1		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	1.7		2.0	0.20	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-57 1-2
LAB ID: 135229-0036-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	24.9		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	186		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	40.5		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	9.6		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	138		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-58 3-4
LAB ID: 135229-0037-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	13.0		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	127		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	11.2		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	9.5		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	87.4		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-59 3-4
LAB ID: 135229-0038-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.3		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	163		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	0.59		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	12.3		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	9.6		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-60 2-3
LAB ID: 135229-0039-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	5.6		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	141		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	1.6		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	8.3		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	153		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-60 4-6
LAB ID: 135229-0040-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	0.14		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-61 2-3
LAB ID: 135229-0041-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	6.7		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	149		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	7.0		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	8.5		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	64.6		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	0.11		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	0.56		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-61 4-6
LAB ID: 135229-0042-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 04 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-68 2-3
LAB ID: 135229-0043-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.2		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 9
Barium	119		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 9
Cadmium	0.29		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 9
Chromium	10.2		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9
Lead	8.1		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 9
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV	01 DEC 9
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-69 3-6
LAB ID: 135229-0044-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.1		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	176		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	0.37		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	7.5		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	87.0		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	0.27		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-70 3-5
LAB ID: 135229-0045-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.5		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	133		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	0.56		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 9[illegible]
Chromium	8.9		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9[illegible]
Lead	107		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	0.16		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9[illegible]
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9[illegible]

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-70 9-12
LAB ID: 135229-0046-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 9
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9

1 = TCLP extraction was 11/20/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-70 18-20
LAB ID: 135229-0047-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 9
Cadmium	1.0		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-72 3-4
LAB ID: 135229-0048-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	25.7		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	156		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	25.4		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	21.3		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	352		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	0.18		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	0.87		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-72 12-15
LAB ID: 135229-0049-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 9
Cadmium	0.29		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 9

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-73 3-4
LAB ID: 135229-0050-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1030		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	650		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	91.8		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	10.1		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	4430		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	8.4		10	1.0	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	2.3		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	27.7		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

METALS

Client Name: Quanterra Incorporated
Client ID: SB-74 3-4
LAB ID: 135229-0051-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.2		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	47.0		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	1.2		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 9
Chromium	7.2		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9
Lead	20.1		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 9
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-74 15-17
LAB ID: 135229-0052-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	0.12		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/20/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-75 9-12
LAB ID: 135229-0053-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.7		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Barium	90.7		1.0	1.0	mg/kg	6010B	24 NOV 98	26 NOV 98
Cadmium	2.3		1.0	0.20	mg/kg	6010B	24 NOV 98	26 NOV 98
Chromium	8.5		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Lead	39.4		1.0	0.30	mg/kg	6010B	24 NOV 98	26 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	01 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	26 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-75 18-21
LAB ID: 135229-0054-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 05 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	0.55		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135229-0001-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135229-0004-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135229-0007-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135229-0010-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135229-0013-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135229-0016-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135229-0018-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135229-0020-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135229-0022-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0025-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0028-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0031-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0033-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0034-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0035-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0036-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0037-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0038-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0039-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0041-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0043-SA	SOLID	QICP-S		24 NOV 98-RX	NOV 98-RA
135229-0044-SA	SOLID	QICP-S		24 NOV 98-RX	NOV 98-RA
135229-0045-SA	SOLID	QICP-S		24 NOV 98-RX	NOV 98-RA
135229-0048-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0050-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0051-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0053-SA	SOLID	QICP-S		24 NOV 98-RX	24 NOV 98-RA
135229-0001-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0004-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0007-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0010-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0013-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0016-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0018-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0020-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0022-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0025-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0028-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0031-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0033-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0034-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0035-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0036-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0037-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0038-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0039-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0041-SA	SOLID	QHG-S		30 NOV 98-JX	30 NOV 98-JA
135229-0043-SA	SOLID	QHG-S		30 NOV 98-KX	30 NOV 98-KA

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135229-0044-SA	SOLID	QHG-S		30 NOV 98-KX	30 NOV 98-KA
135229-0045-SA	SOLID	QHG-S		30 NOV 98-KX	30 NOV 98-KA
135229-0048-SA	SOLID	QHG-S		30 NOV 98-KX	30 NOV 98-KA
135229-0050-SA	SOLID	QHG-S		30 NOV 98-KX	30 NOV 98-KA
135229-0051-SA	SOLID	QHG-S		30 NOV 98-KX	30 NOV 98-KA
135229-0053-SA	SOLID	QHG-S		30 NOV 98-KX	30 NOV 98-KA
135229-0002-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0003-SA	LEACHATE	QICP-TL		10 DEC 98-MX	10 DEC 98-MA
135229-0005-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0006-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0008-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0009-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0011-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0012-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0014-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0015-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0017-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0019-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0021-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0023-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0024-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0026-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0027-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0029-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0030-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0032-SA	LEACHATE	QICP-TL		10 DEC 98-NX	10 DEC 98-NA
135229-0040-SA	LEACHATE	QICP-TL		10 DEC 98-MX	10 DEC 98-MA
135229-0042-SA	LEACHATE	QICP-TL		10 DEC 98-MX	10 DEC 98-MA
135229-0046-SA	LEACHATE	QICP-TL		10 DEC 98-MX	10 DEC 98-MA
135229-0047-SA	LEACHATE	QICP-TL		10 DEC 98-MX	10 DEC 98-MA
135229-0049-SA	LEACHATE	QICP-TL		10 DEC 98-MX	10 DEC 98-MA
135229-0052-SA	LEACHATE	QICP-TL		10 DEC 98-MX	10 DEC 98-MA
135229-0054-SA	LEACHATE	QICP-TL		10 DEC 98-MX	10 DEC 98-MA
135229-0002-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135229-0003-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135229-0005-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135229-0006-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135229-0008-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135229-0009-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135229-0011-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0012-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0014-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0015-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0017-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0019-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0021-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0023-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0024-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation

(cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135229-0026-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0027-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0029-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0030-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0032-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0040-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0042-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0046-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0047-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0049-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0052-SA	LEACHATE	QHG-TL		23 NOV 98-MX1	23 NOV 98-MA1
135229-0054-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA

METHOD BLANK REPORT
Metals Analysis and Preparation
Project: 135229

Test: Q-ICPT-S Method 6010B - ICP Metals
Matrix: SOLID
QC Run: 24 NOV 98-QX Date Analyzed: 25 NOV 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/kg	1.0
Barium	ND	mg/kg	1.0
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50

QC Run: 24 NOV 98-RX Date Analyzed: 25 NOV 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/kg	1.0
Barium	ND	mg/kg	1.0
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50

Test: Q-HG-CVAA-S Method SW7471A - Mercury, Cold Vapor AA
Matrix: SOLID
QC Run: 30 NOV 98-JX Date Analyzed: 01 DEC 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.10

QC Run: 30 NOV 98-KX Date Analyzed: 01 DEC 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.10

ND = Not Detected

METHOD BLANK REPORT (cont.)
Metals Analysis and Preparation
Project: 135229

Test: Q-ICP-TCLP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
QC Run: 10 DEC 98-NX Date Analyzed: 10 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/L	0.50
Barium	ND	mg/L	10.0
Cadmium	ND	mg/L	0.10
Chromium	ND	mg/L	0.50
Lead	ND	mg/L	0.50
Selenium	ND	mg/L	0.25
Silver	ND	mg/L	0.50

QC Run: 10 DEC 98-MX Date Analyzed: 11 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/L	0.50
Barium	ND	mg/L	10.0
Cadmium	ND	mg/L	0.10
Chromium	ND	mg/L	0.50
Lead	ND	mg/L	0.50
Selenium	ND	mg/L	0.25
Silver	ND	mg/L	0.50

Test: Q-HG-CVAA-TCLP-TL Method 7470A- Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
QC Run: 23 NOV 98-NX Date Analyzed: 24 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/L	0.0020

QC Run: 23 NOV 98-MX1 Date Analyzed: 24 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/L	0.0020

QC Run: 24 NOV 98-MX Date Analyzed: 25 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/L	0.0020

ND = Not Detected

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 135229

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID
Date Analyzed: 25 NOV 98
QC Run: 24 NOV 98-QX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	200	179	89	75-110
Barium	200	196	98	85-115
Cadmium	5.00	4.97	99	80-120
Chromium	20.0	20.5	103	85-120
Lead	50.0	47.7	95	80-115
Selenium	200	171	85	70-110
Silver	5.00	4.42	88	80-110

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID
Date Analyzed: 26 NOV 98
QC Run: 24 NOV 98-RX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	200	182	91	75-110
Barium	200	198	99	85-115
Cadmium	5.00	5.09	102	80-120
Chromium	20.0	21.1	106	85-120
Lead	50.0	48.8	98	80-115
Selenium	200	175	88	70-110
Silver	5.00	4.56	91	80-110

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Date Analyzed: 01 DEC 98
QC Run: 30 NOV 98-JX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.833	0.800	96	85-115

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Date Analyzed: 01 DEC 98
QC Run: 30 NOV 98-KX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.833	0.788	95	85-115

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)
Project: 135229

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 10 DEC 98
QC Run: 10 DEC 98-NX
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	1.00	1.02	102	85-115
Barium	1.00	0.965	97	85-115
Cadmium	1.00	0.955	96	80-120
Chromium	1.00	1.00	100	80-115
Lead	1.00	0.932	93	85-120
Selenium	1.00	1.01	101	85-125
Silver	1.00	0.925	92	85-115

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 11 DEC 98
QC Run: 10 DEC 98-MX
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	5.00	5.22	104	85-115
Barium	50.0	53.9	108	85-115
Cadmium	1.00	0.986	99	80-120
Chromium	5.00	5.08	102	80-115
Lead	5.00	4.73	95	85-120
Selenium	1.00	1.04	104	85-125
Silver	1.00	0.956	96	85-115

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE Date Analyzed: 24 NOV 98
QC Run: 23 NOV 98-NX
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.00500	0.00516	103	85-115

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE Date Analyzed: 24 NOV 98
QC Run: 23 NOV 98-MX1
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.00500	0.00532	106	85-115

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)
Project: 135229

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE Date Analyzed: 25 NOV 98
QC Run: 24 NOV 98-MX
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.00500	0.00521	104	85-115

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135229

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID
Sample: 135228-0021
MS Run: 24 NOV 98-QA
Units: mg/kg

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Arsenic	11.5	182	179	200	85	84	1.5	75-110	20
Barium	176	355	347	200	90	86	2.4	85-115	20
Cadmium	1.31	5.69	5.74	5.00	88	89	0.8	80-120	20
Chromium	13.4	31.7	31.6	20.0	91	91	0.3	85-120	20
Lead	68.5	105 n	102 n	50.0	74	67	3.5	80-115	20
Selenium	ND	170	167	200	85	83	1.9	70-110	20
Silver	ND	4.25	4.08	5.00	85	82	4.1	80-110	20

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID
Sample: 135229-0022
MS Run: 24 NOV 98-RA
Units: mg/kg

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Arsenic	1.94	181	179	200	89	89	0.8	75-110	20
Barium	140	342	324	200	101	92	5.4	85-115	20
Cadmium	0.492	5.36	5.22	5.00	97	95	2.6	80-120	20
Chromium	4.59	24.9	24.1	20.0	102	98	3.2	85-120	20
Lead	15.8	64.6	62.3	50.0	98	93	3.7	80-115	20
Selenium	ND	176	174	200	88	87	0.8	70-110	20
Silver	ND	4.53	4.46	5.00	91	89	1.6	80-110	20

n = Spiked analyte out of matrix spike acceptance limits; refer to lab control sample results
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135229 (cont.)

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Sample: 135229-0001
MS Run: 30 NOV 98-JA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Concentration Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	MSD	%RPD	Acceptance Limit Recov.	RPD
Mercury	1.48	1.58	1.49	0.167	NC	NC	NC	85-115	20

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Sample: 135229-0043
MS Run: 30 NOV 98-KA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Concentration Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	MSD	%RPD	Acceptance Limit Recov.	RPD
Mercury	ND	0.168	0.168	0.167	101	101	0.0	85-115	20

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
Sample: 135229-0002
MS Run: 10 DEC 98-NA
Units: mg/L

Analyte	Concentration Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	MSD	%RPD	Acceptance Limit Recov.	RPD
Arsenic	0.0205 J	4.92	4.72	5.00	98	94	4.1	50-150	20
Barium	1.34 J	53.0	50.3	50.0	103	98	5.2	50-150	20
Cadmium	0.616 J	1.52	1.48	1.00	91	87	2.7	50-150	20
Chromium	ND	4.81	4.61	5.00	96	92	4.2	50-150	20
Lead	0.342 J	4.80	4.62	5.00	89	85	3.9	50-150	20
Selenium	ND	0.994	0.932	1.00	99	93	6.4	50-150	20
Silver	ND	0.891	0.852	1.00	89	85	4.5	50-150	20

J = Result is detected below the reporting limit or is an estimated concentration.
NC = Not Calculated, calculation not applicable.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135229 (cont.)

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
Sample: 135293-0001
MS Run: 10 DEC 98-MA
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Arsenic	ND	4.75	4.97	5.00	95	99	4.5	50-150	20
Barium	1.17 J	49.7	53.0	50.0	97	104	6.5	50-150	20
Cadmium	ND	0.894	0.926	1.00	89	93	3.6	50-150	20
Chromium	ND	4.51	4.71	5.00	90	94	4.2	50-150	20
Lead	ND	4.27	4.42	5.00	85	88	3.3	50-150	20
Selenium	ND	0.930	0.972	1.00	93	97	4.5	50-150	20
Silver	ND	0.679	0.674	1.00	68	67	0.8	50-150	20

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
Sample: 135235-0032
MS Run: 23 NOV 98-NA
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Mercury	ND	0.00516	0.00508	0.00500	103	102	1.6	50-150	20

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
Sample: 135229-0011
MS Run: 23 NOV 98-MA1
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Mercury	ND	0.00503	0.00491	0.00500	101	98	2.4	50-150	2

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135229 (cont.)

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
Sample: 135230-0003
MS Run: 24 NOV 98-MA
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Mercury	ND	0.00533	0.00540	0.00500	107	108	1.3	50-150	20

ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Metals

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-01 (1-2)
LAB ID: 135235-0001-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 9
Cadmium	0.13		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-01 (2-4)
LAB ID: 135235-0002-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	13.7		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 9
Barium	127		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 9
Cadmium	11.0		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 9
Chromium	10.7		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Lead	172		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 9
Mercury	0.26		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 9
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Silver	1.1		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-01 (12-15)
LAB ID: 135235-0003-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-02 (2-3)
LAB ID: 135235-0004-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-03 (1-2)
LAB ID: 135235-0005-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-03 (3-4)
LAB ID: 135235-0006-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	17.7		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	251		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	20.1		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	19.4		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	384		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	0.95		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	0.99		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	3.0		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-03 (9-12)
LAB ID: 135235-0007-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-04 (2-3)
LAB ID: 135235-0008-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-04 (3-5)
LAB ID: 135235-0009-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	12.3		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	168		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	0.33		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	14.4		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	13.8		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-04 (7-9)
LAB ID: 135235-0010-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-05 (2-3)
LAB ID: 135235-0011-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.14		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-05 (4-6)
LAB ID: 135235-0012-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	4.5		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	162		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	0.40		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	11.5		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	15.7		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-05 (6-9)
LAB ID: 135235-0013-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-06 (3-5)
LAB ID: 135235-0014-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC
Cadmium	0.76		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-06 (6-9)
LAB ID: 135235-0015-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	10.7		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	69.1		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	16.9		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	11.7		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	52.6		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-07 (2-3)
LAB ID: 135235-0016-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.15		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-07 (3-5)
LAB ID: 135235-0017-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	14.6		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	16.0		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	3.3		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	5.0		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	3.1		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-07 (6-9)
LAB ID: 135235-0018-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-08 (1-2)
LAB ID: 135235-0019-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.5		1.0	0.50	mg/L	6010B	14 DEC 98	14 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	14 DEC 98
Cadmium	3.0		1.0	0.10	mg/L	6010B	14 DEC 98	14 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	14 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	14 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	14 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	14 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-08 (2-3)
LAB ID: 135235-0020-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	30.5		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	43.5		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	82.1		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	4.8		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	5.0		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-09 (1-2)
LAB ID: 135235-0021-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-09x (2-3)
LAB ID: 135235-0022-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	6.5		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	13.0		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	0.28		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	2.5		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	1.9		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-09 (6-9)
LAB ID: 135235-0023-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.20		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-10 (1-2)
LAB ID: 135235-0024-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	0.76		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.89		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-10 (6-9)
LAB ID: 135235-0025-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 02 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.8		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	6.7		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	1.5		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 9
Chromium	1.1		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Lead	1.1		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-11 (1-2)
LAB ID: 135235-0026-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.65		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-11 (3-4)
LAB ID: 135235-0027-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	13.8		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	62.5		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	19.6		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 9[illegible]
Chromium	10.1		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9[illegible]
Lead	25.5		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	0.16		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	0.71		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9[illegible]
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9[illegible]

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-11 (7-9)
LAB ID: 135235-0028-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.11		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-12 (1-2)
LAB ID: 135235-0029-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 9
Cadmium	0.28		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-12 (3-5)
LAB ID: 135235-0030-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	66.4		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	143		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	11.5		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	11.6		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	8.5		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-12 (4-6)
LAB ID: 135235-0031-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	109		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	185		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	204		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 9[illegible]
Chromium	10.1		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9[illegible]
Lead	14.0		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	0.25		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9[illegible]
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9[illegible]

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-12 (6-8)
LAB ID: 135235-0032-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.11		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-13 (3-4)
LAB ID: 135235-0033-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	71.4		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	112		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	97.5		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 9
Chromium	7.6		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Lead	139		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	2.0		2.0	0.20	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	0.59		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Silver	0.85		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-13 (6-8)
LAB ID: 135235-0034-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.17		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-14 (2-3)
LAB ID: 135235-0035-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 9
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-14 (3-5)
LAB ID: 135235-0036-SA
Matrix: SOIL — Sampled: 03 NOV 98 — Received: 18 NOV 98
Authorized: 18 NOV 98 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	29.5		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	164		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	14.1		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	9.4		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	39.3		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	0.18		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-14 (7-9)
LAB ID: 135235-0037-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 9
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-15 (1-2)
LAB ID: 135235-0038-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-15 (3-4)
LAB ID: 135235-0039-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	6.7		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 9
Barium	164		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 9
Cadmium	2.4		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 9
Chromium	11.6		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Lead	26.6		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 9
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 9
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-15 (6-9)
LAB ID: 135235-0040-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 9
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-16 (1-3)
LAB ID: 135235-0041-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-16 (3-5)
LAB ID: 135235-0042-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	4.0		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	155		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	0.35		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	14.5		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	10.2		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-16 (6-8)
LAB ID: 135235-0043-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9[illegible]
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 9[illegible]
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 9[illegible]
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 9[illegible]
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-17 (1-2)
LAB ID: 135235-0044-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-17 (3-5)
LAB ID: 135235-0045-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	34.4		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	171		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	75.5		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 9
Chromium	12.2		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Lead	185		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	1.0		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	1.9		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Silver	1.2		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-17 (9-11)
LAB ID: 135235-0046-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-18 (1-2)
LAB ID: 135235-0047-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-18 (3-5)
LAB ID: 135235-0048-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.1		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	160		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	0.32		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 98
Chromium	12.4		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Lead	11.2		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-18 (6-9)
LAB ID: 135235-0049-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC

1 = TCLP extraction was 11/19/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-19 (1-2)
LAB ID: 135235-0050-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-19 (3-5)
LAB ID: 135235-0051-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.4		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Barium	131		1.0	1.0	mg/kg	6010B	05 DEC 98	07 DEC 98
Cadmium	0.26		1.0	0.20	mg/kg	6010B	05 DEC 98	07 DEC 9
Chromium	11.1		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Lead	9.0		1.0	0.30	mg/kg	6010B	05 DEC 98	07 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	27 NOV 98	27 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9
Silver	ND		1.0	0.50	mg/kg	6010B	05 DEC 98	07 DEC 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-19 (6-8)
LAB ID: 135235-0052-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 11 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	23 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/19/98.
ND = Not Detected

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135235-0002-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0006-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0009-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0012-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0015-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0017-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0020-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0022-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0025-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0027-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0030-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0031-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0033-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0036-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0039-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0042-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0045-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0048-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0051-SA	SOLID	QICP-S		05 DEC 98-OX	05 DEC 98-OA
135235-0002-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0006-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0009-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0012-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0015-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0017-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0020-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0022-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0025-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0027-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0030-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0031-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0033-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0036-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0039-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0042-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0045-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0048-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0051-SA	SOLID	QHG-S		27 NOV 98-HX	27 NOV 98-HA
135235-0001-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0003-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0004-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0005-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0007-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0008-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0010-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0011-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0013-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0014-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135235-0016-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0018-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135235-0019-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0021-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0023-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0024-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0026-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0028-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0029-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0032-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0034-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0035-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0037-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0038-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0040-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0041-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0043-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0044-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0046-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0047-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0049-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0050-SA	LEACHATE	QICP-TL		14 DEC 98-NX1	14 DEC 98-NA1
135235-0052-SA	LEACHATE	QICP-TL		14 DEC 98-MX2	14 DEC 98-MA2
135235-0001-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0003-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0004-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0005-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0007-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0008-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0010-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0011-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0013-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0014-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0016-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0018-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0019-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0021-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0023-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0024-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0026-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0028-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0029-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1
135235-0032-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0034-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0035-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0037-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0038-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0040-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135235-0041-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0043-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0044-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0046-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0047-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0049-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0050-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA
135235-0052-SA	LEACHATE	QHG-TL		23 NOV 98-NX	23 NOV 98-NA

METHOD BLANK REPORT
Metals Analysis and Preparation
Project: 135235

Test: Q-ICPT-S Method 6010B - ICP Metals
Matrix: SOLID
QC Run: 05 DEC 98-OX

Date Analyzed: 07 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/kg	1.0
Barium	ND	mg/kg	1.0
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50

Test: Q-HG-CVAA-S Method SW7471A - Mercury, Cold Vapor AA
Matrix: SOLID
QC Run: 27 NOV 98-HX

Date Analyzed: 27 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.10

Test: Q-ICP-TCLP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
QC Run: 14 DEC 98-MX1

Date Analyzed: 15 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/L	0.50
Barium	ND	mg/L	10.0
Cadmium	ND	mg/L	0.10
Chromium	ND	mg/L	0.50
Lead	ND	mg/L	0.50
Selenium	ND	mg/L	0.25
Silver	ND	mg/L	0.50

ND = Not Detected

METHOD BLANK REPORT (cont.)
Metals Analysis and Preparation
Project: 135235

Test: Q-ICP-TCLP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate (cont.)
Matrix: LEACHATE

QC Run: 14 DEC 98-NX1 Date Analyzed: 14 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/L	0.50
Barium	ND	mg/L	10.0
Cadmium	ND	mg/L	0.10
Chromium	ND	mg/L	0.50
Lead	ND	mg/L	0.50
Selenium	ND	mg/L	0.25
Silver	ND	mg/L	0.50

QC Run: 14 DEC 98-MX2 Date Analyzed: 15 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/L	0.50
Barium	ND	mg/L	10.0
Cadmium	ND	mg/L	0.10
Chromium	ND	mg/L	0.50
Lead	ND	mg/L	0.50
Selenium	ND	mg/L	0.25
Silver	ND	mg/L	0.50

Test: Q-HG-CVAA-TCLP-TL Method 7470A- Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
QC Run: 20 NOV 98-MX1 Date Analyzed: 24 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/L	0.0020

QC Run: 23 NOV 98-NX Date Analyzed: 24 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/L	0.0020

ND = Not Detected

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 135235

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID Date Analyzed: 07 DEC 98
QC Run: 05 DEC 98-OX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	200	193	97	75-110
Barium	200	209	105	85-115
Cadmium	5.00	5.15	103	80-120
Chromium	20.0	21.2	106	85-120
Lead	50.0	50.1	100	80-115
Selenium	200	185	93	70-110
Silver	5.00	4.82	96	80-110

Category: QHG-S Mercury by CVAA
Matrix: SOLID Date Analyzed: 27 NOV 98
QC Run: 27 NOV 98-HX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.833	0.822	99	85-115

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 15 DEC 98
QC Run: 14 DEC 98-MX1
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	5.00	4.95	99	85-115
Barium	50.0	50.3	101	85-115
Cadmium	1.00	0.932	93	80-120
Chromium	5.00	4.81	96	80-115
Lead	5.00	4.42	88	85-120
Selenium	1.00	0.966	97	85-125
Silver	1.00	0.882	88	85-115

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 14 DEC 98
QC Run: 14 DEC 98-NX1
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	5.00	4.97	99	85-115

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)
Project: 135235

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 14 DEC 98
QC Run: 14 DEC 98-NX1 (cont.)
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Barium	50.0	52.2	104	85-115
Cadmium	1.00	0.933	93	80-120
Chromium	5.00	4.92	98	80-115
Lead	5.00	4.48	90	85-120
Selenium	1.00	0.989	99	85-125
Silver	1.00	0.894	89	85-115

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 15 DEC 98
QC Run: 14 DEC 98-MX2
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	5.00	5.25	105	85-115
Barium	50.0	55.1	110	85-115
Cadmium	1.00	0.946	95	80-120
Chromium	5.00	5.16	103	80-115
Lead	5.00	4.65	93	85-120
Selenium	1.00	1.07	107	85-125
Silver	1.00	0.855	86	85-115

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE Date Analyzed: 24 NOV 98
QC Run: 20 NOV 98-MX1
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.00500	0.00535	107	85-115

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE Date Analyzed: 24 NOV 98
QC Run: 23 NOV 98-NX
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.00500	0.00516	103	85-115

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135235

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID
Sample: 135235-0002
MS Run: 05 DEC 98-OA
Units: mg/kg

Analyte	Sample Result	MS Result	MSD Result		Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
	Concentration									
Arsenic	13.7	185	180		200	85	83	2.6	75-110	20
Barium	127	307	286	n	200	90	79	7.3	85-115	20
Cadmium	11.0	16.3	13.8	n	5.00	107	57	17	80-120	20
Chromium	10.7	28.8	27.1	n	20.0	90	82	5.9	85-120	20
Lead	172	189	n 170		50.0	35	NC	NC	80-115	20
Selenium	0.399 J	171	168		200	85	84	1.5	70-110	20
Silver	1.08	5.59	5.30		5.00	90	84	5.3	80-110	20

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Sample: 135235-0002
MS Run: 27 NOV 98-HA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
	Concentration								
Mercury	0.263	0.437	0.450	0.167	104	112	3.0	85-115	20

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
Sample: 135230-0066
MS Run: 14 DEC 98-MA1
Units: mg/L

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
	Concentration								
Arsenic	ND	4.69	4.69	5.00	94	94	0.0	50-150	20

J = Result is detected below the reporting limit or is an estimated concentration.
n = Spiked analyte out of matrix spike acceptance limits; refer to lab control sample results.
NC = Not Calculated, calculation not applicable.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135235 (cont.)

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate (cont.)
Matrix: LEACHATE
Sample: 135230-0066
MS Run: 14 DEC 98-MA1 (cont.)
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	RPI
Barium	0.689 J	45.6	43.5	50.0	90	86	4.8	50-150	2
Cadmium	0.0164 J	0.887	0.885	1.00	87	87	0.2	50-150	2
Chromium	0.00808 J	4.41	4.42	5.00	88	88	0.1	50-150	2
Lead	ND	4.00	3.89	5.00	80	78	2.6	50-150	2
Selenium	ND	0.908	0.913	1.00	91	91	0.5	50-150	2
Silver	ND	0.792	0.770	1.00	79	77	2.7	50-150	2

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
Sample: 135235-0019
MS Run: 14 DEC 98-NA1
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	
Arsenic	1.54	6.32	6.30	5.00	96	95	0.2	50-150	2
Barium	0.955 J	51.5	50.5	50.0	101	99	2.0	50-150	2
Cadmium	3.00	3.83	3.82	1.00	83	82	0.2	50-150	2
Chromium	0.00856 J	4.75	4.70	5.00	95	94	0.9	50-150	2
Lead	0.114 J	4.44	4.41	5.00	87	86	0.6	50-150	2
Selenium	ND	0.968	0.956	1.00	97	96	1.3	50-150	2
Silver	ND	0.855	0.854	1.00	85	85	0.0	50-150	2

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135235 (cont.)

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
Sample: 135235-0052
MS Run: 14 DEC 98-MA2
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Arsenic	ND	5.04	5.10	5.00	101	102	1.3	50-150	20
Barium	0.709 J	53.4	53.8	50.0	105	106	0.7	50-150	20
Cadmium	ND	0.916	0.930	1.00	92	93	1.5	50-150	20
Chromium	ND	4.90	4.98	5.00	98	100	1.5	50-150	20
Lead	ND	4.44	4.52	5.00	89	90	1.8	50-150	20
Selenium	ND	1.02	1.05	1.00	102	105	3.1	50-150	20
Silver	ND	0.804	0.838	1.00	80	84	4.2	50-150	20

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
Sample: 135235-0001
MS Run: 20 NOV 98-MA1
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Mercury	ND	0.00486	0.00497	0.00500	97	99	2.2	50-150	20

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
Sample: 135235-0032
MS Run: 23 NOV 98-NA
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Mercury	ND	0.00516	0.00508	0.00500	103	102	1.6	50-150	20

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Metals

METALS

Client Name: Quanterra Incorporated
Client ID: SB-20 2-3
LAB ID: 135228-0001-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	8.8		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 9
Barium	126		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 9
Cadmium	4.9		1.0	0.20	mg/kg	6010B	23 NOV 98	24 NOV 9
Chromium	7.5		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 9
Lead	126		1.0	0.30	mg/kg	6010B	23 NOV 98	24 NOV 9
Mercury	0.11		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 9
Selenium	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-20 6-8
LAB ID: 135228-0002-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 9
Cadmium	ND		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-21 2-3
LAB ID: 135228-0003-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.2		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Barium	202		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Cadmium	0.52		1.0	0.20	mg/kg	6010B	23 NOV 98	24 NOV 98
Chromium	7.9		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Lead	129		1.0	0.30	mg/kg	6010B	23 NOV 98	24 NOV 98
Mercury	0.32		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-21 3-5
LAB ID: 135228-0004-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-22 2-3
LAB ID: 135228-0005-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.9		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Barium	171		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Cadmium	0.57		1.0	0.20	mg/kg	6010B	23 NOV 98	24 NOV 98
Chromium	6.9		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Lead	176		1.0	0.30	mg/kg	6010B	23 NOV 98	24 NOV 98
Mercury	0.17		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-23 2-3
LAB ID: 135228-0006-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.1		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Barium	103		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Cadmium	0.51		1.0	0.20	mg/kg	6010B	23 NOV 98	24 NOV 98
Chromium	7.9		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Lead	7.7		1.0	0.30	mg/kg	6010B	23 NOV 98	24 NOV 98
Mercury	0.14		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-24 2-3
LAB ID: 135228-0007-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	69.5		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 9
Barium	216		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 9
Cadmium	278		1.0	0.20	mg/kg	6010B	23 NOV 98	24 NOV 9
Chromium	13.1		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 9
Lead	358		1.0	0.30	mg/kg	6010B	23 NOV 98	24 NOV 9
Mercury	0.79		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 9
Selenium	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 9
Silver	2.0		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-24 6-8
LAB ID: 135228-0008-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	0.79		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	1.0		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-25 1-2
LAB ID: 135228-0009-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC
Cadmium	0.92		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-25 2-3
LAB ID: 135228-0010-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	10.8		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Barium	172		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Cadmium	93.8		1.0	0.20	mg/kg	6010B	23 NOV 98	24 NOV 98
Chromium	13.6		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Lead	13.5		1.0	0.30	mg/kg	6010B	23 NOV 98	24 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-25 3-6
LAB ID: 135228-0011-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 9
Cadmium	ND		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-27 1-2
LAB ID: 135228-0012-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.8		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	1.1		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-27 3-5
LAB ID: 135228-0013-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.5		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Barium	74.3		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Cadmium	10.1		1.0	0.20	mg/kg	6010B	23 NOV 98	24 NOV 98
Chromium	7.4		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Lead	6.4		1.0	0.30	mg/kg	6010B	23 NOV 98	24 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-28 1-2
LAB ID: 135228-0014-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	2.0		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-26 3-5
LAB ID: 135228-0015-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	48.9		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Barium	175		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Cadmium	0.67		1.0	0.20	mg/kg	6010B	23 NOV 98	24 NOV 98
Chromium	13.9		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Lead	9.9		1.0	0.30	mg/kg	6010B	23 NOV 98	24 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-28 3-5
LAB ID: 135228-0016-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	30.5		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Barium	194		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Cadmium	108		1.0	0.20	mg/kg	6010B	23 NOV 98	24 NOV 98
Chromium	12.9		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Lead	11.5		1.0	0.30	mg/kg	6010B	23 NOV 98	24 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-28 6-8
LAB ID: 135228-0017-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	0.21		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-29 1-2
LAB ID: 135228-0018-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	1.0		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	0.95		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-29 3-5
LAB ID: 135228-0019-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.0		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Barium	97.4		1.0	1.0	mg/kg	6010B	23 NOV 98	24 NOV 98
Cadmium	0.86		1.0	0.20	mg/kg	6010B	23 NOV 98	24 NOV 98
Chromium	13.0		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Lead	22.6		1.0	0.30	mg/kg	6010B	23 NOV 98	24 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	23 NOV 98	24 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-29 6-8
LAB ID: 135228-0020-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	0.11		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	2.5		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-30 2-3
LAB ID: [illegible]228-0021-SA
Matrix: [illegible]L
Authorized: [illegible] NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	11.5		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	176		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	1.3		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	13.4		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	68.5		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-31 2-3
LAB ID: 135228-0022-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	10.1		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	104		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	21.9		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	8.3		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	96.0		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	0.23		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	0.60		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-31 3-5
LAB ID: 135228-0023-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	0.78		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-32 2-3
LAB ID: 135228-0024-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.8		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	65.2		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	0.26		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	4.5		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	47.1		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-32 4-6
LAB ID: 135228-0025-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	0.51		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	0.91		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-33 3-4
LAB ID: 135228-0026-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	7.3		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	126		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	1.7		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	5.5		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	237		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	0.11		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-33 4-6
LAB ID: 135228-0027-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-34 1-2
LAB ID: 135228-0028-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	1.2		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	1.2		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-34 3-4
LAB ID: 135228-0029-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.1		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	146		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	0.39		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	11.2		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	12.3		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-35 1-2
LAB ID: 135228-0030-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-35 2-3
LAB ID: 135228-0031-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	6.0		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	165		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	0.42		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 9
Chromium	12.2		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9
Lead	12.4		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-35 6-8
LAB ID: 135228-0032-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-36 1-2
LAB ID: 135228-0033-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	0.84		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	1.6		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-36 3-4
LAB ID: 135228-0034-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	8.1		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV
Barium	130		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV
Cadmium	2.1		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV
Chromium	9.6		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV
Lead	468		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV
Silver	0.74		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-36 6-8
LAB ID: 135228-0035-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-37 1-2
LAB ID: 135228-0036-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 98

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-37 2-3
LAB ID: 135228-0037-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	110		2.0	2.0	mg/kg	6010B	24 NOV 98	30 NOV 98
Barium	1260		2.0	2.0	mg/kg	6010B	24 NOV 98	30 NOV 98
Cadmium	91.7		2.0	0.40	mg/kg	6010B	24 NOV 98	30 NOV 9
Chromium	11.4		2.0	1.0	mg/kg	6010B	24 NOV 98	30 NOV 9
Lead	2140		2.0	0.60	mg/kg	6010B	24 NOV 98	30 NOV 9
Mercury	0.13		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	3.2		2.0	1.0	mg/kg	6010B	24 NOV 98	30 NOV 9
Silver	5.9		2.0	1.0	mg/kg	6010B	24 NOV 98	30 NOV 9

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-37 3-6
LAB ID: 135228-0038-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 07 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	08 DEC 98	09 DEC 9
Cadmium	ND		1.0	0.10	mg/L	6010B	08 DEC 98	09 DEC 9
Chromium	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9
Lead	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	23 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	08 DEC 98	09 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	08 DEC 98	09 DEC 9

1 = TCLP extraction date was 11/18/98.
ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-38 1-2
LAB ID: 135228-0039-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 08 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	10 DEC 98	11 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	10 DEC 98	11 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	20 NOV 98	24 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	10 DEC 98	11 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	10 DEC 98	11 DEC 98

1 = TCLP extraction date was 11/19/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-38 3-5
LAB ID: 135228-0040-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	13.3		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	217		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	5.2		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	11.1		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	421		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	1.1		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-39 2-3
LAB ID: 135228-0041-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.5		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	149		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	0.42		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV [illegible]
Chromium	5.4		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV [illegible]
Lead	24.9		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV [illegible]
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV [illegible]

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-40 3-4
LAB ID: 135228-0042-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	10.8		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	167		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	11.3		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 98
Chromium	8.7		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Lead	138		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	0.15		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-41 3-4
LAB ID: 135228-0043-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 03 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	14.8		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Barium	233		1.0	1.0	mg/kg	6010B	24 NOV 98	25 NOV 98
Cadmium	8.3		1.0	0.20	mg/kg	6010B	24 NOV 98	25 NOV 9
Chromium	15.1		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9
Lead	206		1.0	0.30	mg/kg	6010B	24 NOV 98	25 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	30 NOV 98	30 NOV 98
Selenium	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	24 NOV 98	25 NOV 9

ND = Not Detected

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135228-0001-SA	SOLID	QICP-S		23 NOV 98-PX	23 NOV 98-PA
135228-0003-SA	SOLID	QICP-S		23 NOV 98-PX	23 NOV 98-PA
135228-0005-SA	SOLID	QICP-S		23 NOV 98-PX	23 NOV 98-PA
135228-0006-SA	SOLID	QICP-S		23 NOV 98-PX	23 NOV 98-PA
135228-0007-SA	SOLID	QICP-S		23 NOV 98-PX	23 NOV 98-PA
135228-0010-SA	SOLID	QICP-S		23 NOV 98-PX	23 NOV 98-PA
135228-0013-SA	SOLID	QICP-S		23 NOV 98-PX	23 NOV 98-PA
135228-0015-SA	SOLID	QICP-S		23 NOV 98-PX	23 NOV 98-PA
135228-0016-SA	SOLID	QICP-S		23 NOV 98-PX	23 NOV 98-PA
135228-0019-SA	SOLID	QICP-S		23 NOV 98-PX	23 NOV 98-PA
135228-0021-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0022-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0024-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0026-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0029-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0031-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0034-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0037-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0040-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0041-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0042-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0043-SA	SOLID	QICP-S		24 NOV 98-QX	24 NOV 98-QA
135228-0001-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0003-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0005-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0006-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0007-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0010-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0013-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0015-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0016-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0019-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0021-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0022-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0024-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0026-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0029-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0031-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0034-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0037-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0040-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0041-SA	SOLID	QHG-S		30 NOV 98-HX	30 NOV 98-HA
135228-0042-SA	SOLID	QHG-S		30 NOV 98-IX	30 NOV 98-IA
135228-0043-SA	SOLID	QHG-S		30 NOV 98-IX	30 NOV 98-IA
135228-0002-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0004-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0008-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0009-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135228-0011-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0012-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0014-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0017-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0018-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0020-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0023-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0025-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0027-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0028-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0030-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0032-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0033-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0035-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0036-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0038-SA	LEACHATE	QICP-TL		08 DEC 98-MX	08 DEC 98-MA
135228-0039-SA	LEACHATE	QICP-TL		10 DEC 98-MX	10 DEC 98-MA
135228-0002-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0004-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0008-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0009-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0011-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0012-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0014-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0017-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0018-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0020-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0023-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0025-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0027-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0028-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0030-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0032-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0033-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0035-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0036-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0038-SA	LEACHATE	QHG-TL		20 NOV 98-MX	20 NOV 98-MA
135228-0039-SA	LEACHATE	QHG-TL		20 NOV 98-MX1	20 NOV 98-MA1

METHOD BLANK REPORT
Metals Analysis and Preparation
Project: 135228

Test: Q-ICPT-S Method 6010B - ICP Metals
Matrix: SOLID
QC Run: 23 NOV 98-PX Date Analyzed: 24 NOV 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/kg	1.0
Barium	ND	mg/kg	1.0
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50

QC Run: 24 NOV 98-QX Date Analyzed: 25 NOV 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/kg	1.0
Barium	ND	mg/kg	1.0
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50

Test: Q-HG-CVAA-S Method SW7471A - Mercury, Cold Vapor AA
Matrix: SOLID
QC Run: 30 NOV 98-HX Date Analyzed: 30 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.10

QC Run: 30 NOV 98-IX Date Analyzed: 30 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.10

ND = Not Detected

METHOD BLANK REPORT (cont.)
Metals Analysis and Preparation
Project: 135228

Test: Q-ICP-TCLP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
QC Run: 08 DEC 98-MX Date Analyzed: 09 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/L	0.50
Barium	ND	mg/L	10.0
Cadmium	ND	mg/L	0.10
Chromium	ND	mg/L	0.50
Lead	ND	mg/L	0.50
Selenium	ND	mg/L	0.25
Silver	ND	mg/L	0.50

QC Run: 10 DEC 98-MX Date Analyzed: 11 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/L	0.50
Barium	ND	mg/L	10.0
Cadmium	ND	mg/L	0.10
Chromium	ND	mg/L	0.50
Lead	ND	mg/L	0.50
Selenium	ND	mg/L	0.25
Silver	ND	mg/L	0.50

Test: Q-HG-CVAA-TCLP-TL Method 7470A- Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
QC Run: 20 NOV 98-MX Date Analyzed: 23 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/L	0.0020

QC Run: 20 NOV 98-MX1 Date Analyzed: 24 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/L	0.0020

ND = Not Detected

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 135228

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID Date Analyzed: 24 NOV 98
QC Run: 23 NOV 98-PX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	200	187	94	75-110
Barium	200	194	97	85-115
Cadmium	5.00	4.91	98	80-120
Chromium	20.0	19.7	99	85-120
Lead	50.0	47.6	95	80-115
Selenium	200	179	89	70-110
Silver	5.00	4.58	92	80-110

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID Date Analyzed: 25 NOV 98
QC Run: 24 NOV 98-QX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	200	179	89	75-110
Barium	200	196	98	85-115
Cadmium	5.00	4.97	99	80-120
Chromium	20.0	20.5	103	85-120
Lead	50.0	47.7	95	80-115
Selenium	200	171	85	70-110
Silver	5.00	4.42	88	80-110

Category: QHG-S Mercury by CVAA
Matrix: SOLID Date Analyzed: 30 NOV 98
QC Run: 30 NOV 98-HX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.833	0.822	99	85-115

Category: QHG-S Mercury by CVAA
Matrix: SOLID Date Analyzed: 30 NOV 98
QC Run: 30 NOV 98-IX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.833	0.820	98	85-115

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)
Project: 135228

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 09 DEC 98
QC Run: 08 DEC 98-MX
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	5.00	4.89	98	85-115
Barium	50.0	47.7	95	85-115
Cadmium	1.00	0.919	92	80-120
Chromium	5.00	4.90	98	80-115
Lead	5.00	4.54	91	85-120
Selenium	1.00	0.963	96	85-125
Silver	1.00	0.842	84	85-115 a

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 11 DEC 98
QC Run: 10 DEC 98-MX
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	5.00	5.22	104	85-115
Barium	50.0	53.9	108	85-115
Cadmium	1.00	0.986	99	80-120
Chromium	5.00	5.08	102	80-115
Lead	5.00	4.73	95	85-120
Selenium	1.00	1.04	104	85-125
Silver	1.00	0.956	96	85-115

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE Date Analyzed: 23 NOV 98
QC Run: 20 NOV 98-MX
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.00500	0.00510	102	85-115

a = See narrative.
Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)
Project: 135228

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE Date Analyzed: 24 NOV 98
QC Run: 20 NOV 98-MX1
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.00500	0.00535	107	85-115

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135228

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID
Sample: 135301-0008
MS Run: 23 NOV 98-PA
Units mg/kg Units Qualifier: Wet weight

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
	Concentration								
Arsenic	3.45 J	177	180	200	87	88	1.8	75-110	20
Barium	112	283	281 n	200	85	84	0.7	85-115	20
Cadmium	0.448 J	5.25	5.29	5.00	96	97	0.7	80-120	20
Chromium	25.6	42.7	41.0 n	20.0	85	77	3.9	85-120	20
Lead	6.29 J	48.7	49.6	50.0	85	87	1.8	80-115	20
Selenium	ND	168	170	200	84	85	1.5	70-110	20
Silver	ND	4.53	4.51	5.00	91	90	0.3	80-110	20

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID
Sample: 135228-0021
MS Run: 24 NOV 98-QA
Units: mg/kg

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
	Concentration								
Arsenic	11.5	182	179	200	85	84	1.5	75-110	20
Barium	176	355	347	200	90	86	2.4	85-115	20
Cadmium	1.31	5.69	5.74	5.00	88	89	0.8	80-120	20
Chromium	13.4	31.7	31.6	20.0	91	91	0.3	85-120	20
Lead	68.5	105 n	102 n	50.0	74	67	3.5	80-115	20
Selenium	ND	170	167	200	85	83	1.9	70-110	20
Silver	ND	4.25	4.08	5.00	85	82	4.1	80-110	20

J = Result is detected below the reporting limit or is an estimated concentration.
n = Spiked analyte out of matrix spike acceptance limits; refer to lab control sample results.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135228 (cont.)

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Sample: 135228-0001
MS Run: 30 NOV 98-HA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Mercury	0.107	0.298	0.280	0.167	115	104	6.3	85-115	20

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Sample: 135237-0001
MS Run: 30 NOV 98-IA
Units mg/kg Units Qualifier: Wet weight

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Mercury	0.0247 J	0.185	0.182	0.167	96	94	1.8	85-115	20

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
Sample: 135228-0002
MS Run: 08 DEC 98-MA
Units: mg/L

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Arsenic	ND	4.76	4.90	5.00	95	98	2.9	50-150	20
Barium	0.867 J	45.9	47.8	50.0	90	94	4.1	50-150	20
Cadmium	ND	0.905	0.938	1.00	91	94	3.6	50-150	20
Chromium	ND	4.75	4.86	5.00	95	97	2.2	50-150	20
Lead	ND	4.43	4.50	5.00	89	90	1.7	50-150	20
Selenium	ND	0.938	0.949	1.00	94	95	1.2	50-150	20
Silver	ND	0.843	0.875	1.00	84	87	3.7	50-150	20

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135228 (cont.)

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
Sample: 135293-0001
MS Run: 10 DEC 98-MA
Units: mg/L

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Arsenic	ND	4.75	4.97	5.00	95	99	4.5	50-150	20
Barium	1.17 J	49.7	53.0	50.0	97	104	6.5	50-150	20
Cadmium	ND	0.894	0.926	1.00	89	93	3.6	50-150	20
Chromium	ND	4.51	4.71	5.00	90	94	4.2	50-150	20
Lead	ND	4.27	4.42	5.00	85	88	3.3	50-150	20
Selenium	ND	0.930	0.972	1.00	93	97	4.5	50-150	20
Silver	ND	0.679	0.674	1.00	68	67	0.8	50-150	20

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
Sample: 135228-0002
MS Run: 20 NOV 98-MA
Units: mg/L

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Mercury	ND	0.00521	0.00521	0.00500	104	104	0.0	50-150	20

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
Sample: 135235-0001
MS Run: 20 NOV 98-MA1
Units: mg/L

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Mercury	ND	0.00486	0.00497	0.00500	97	99	2.2	50-150	20

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Metals

METALS

Client Name: Quanterra Incorporated
Client ID: SB-62 2-3
LAB ID: 135230-0001-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.9		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Barium	89.6		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Cadmium	0.28		1.0	0.20	mg/kg	6010B	25 NOV 98	30 NOV 9
Chromium	7.0		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 9
Lead	15.8		1.0	0.30	mg/kg	6010B	25 NOV 98	30 NOV 9
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 9

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-63 3-4
LAB ID: 135230-0002-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	104		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Barium	198		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Cadmium	120		1.0	0.20	mg/kg	6010B	25 NOV 98	30 NOV 98
Chromium	13.9		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 98
Lead	494		1.0	0.30	mg/kg	6010B	25 NOV 98	30 NOV 98
Mercury	1.1		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	3.1		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 98
Silver	2.4		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 98

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-63 9-11
LAB ID: 135230-0003-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 9
Cadmium	0.65		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-64 2-3
LAB ID: 135230-0004-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	120		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Barium	227		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Cadmium	30.2		1.0	0.20	mg/kg	6010B	25 NOV 98	30 NOV 98
Chromium	12.2		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 98
Lead	604		1.0	0.30	mg/kg	6010B	25 NOV 98	30 NOV 98
Mercury	0.89		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 98
Silver	3.9		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-64 6-8
LAB ID: 135230-0005-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 9
Cadmium	0.95		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-65 3-4
LAB ID: 135230-0006-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	44.6		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Barium	135		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Cadmium	29.5		1.0	0.20	mg/kg	6010B	25 NOV 98	27 NOV 98
Chromium	14.8		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Lead	181		1.0	0.30	mg/kg	6010B	25 NOV 98	27 NOV 98
Mercury	0.88		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Silver	1.0		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-66 3-4
LAB ID: 135230-0007-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	41.5		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Barium	153		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Cadmium	4.3		1.0	0.20	mg/kg	6010B	25 NOV 98	27 NOV 9
Chromium	10.0		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 9
Lead	29.7		1.0	0.30	mg/kg	6010B	25 NOV 98	27 NOV 9
Mercury	0.12		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 9

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-67 2-3
LAB ID: 135230-0008-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.0		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Barium	141		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Cadmium	ND		1.0	0.20	mg/kg	6010B	25 NOV 98	27 NOV 98
Chromium	6.1		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Lead	13.3		1.0	0.30	mg/kg	6010B	25 NOV 98	27 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-71 2-3
LAB ID: 135230-0009-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	5.8		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Barium	84.5		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Cadmium	5.4		1.0	0.20	mg/kg	6010B	25 NOV 98	27 NOV 98
Chromium	8.2		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Lead	65.7		1.0	0.30	mg/kg	6010B	25 NOV 98	27 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-71 3-6
LAB ID: 135230-0010-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-76 3-4
LAB ID: 135230-0011-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.0		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Barium	46.7		1.0	1,0	mg/kg	6010B	25 NOV 98	27 NOV 98
Cadmium	0.42		1.0	0.20	mg/kg	6010B	25 NOV 98	27 NOV 9
Chromium	9.0		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 9
Lead	14.2		1.0	0.30	mg/kg	6010B	25 NOV 98	27 NOV 9
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 9

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-77 2-3
LAB ID: 135230-0012-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	4.8		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Barium	111		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Cadmium	3.4		1.0	0.20	mg/kg	6010B	25 NOV 98	27 NOV 98
Chromium	11.0		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Lead	72.5		1.0	0.30	mg/kg	6010B	25 NOV 98	27 NOV 98
Mercury	0.12		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-77 6-9
LAB ID: 135230-0013-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 9
Cadmium	ND		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-78 2-3
LAB ID: 135230-0014-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	7.1		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Barium	116		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Cadmium	2.7		1.0	0.20	mg/kg	6010B	25 NOV 98	27 NOV 98
Chromium	10.5		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Lead	61.9		1.0	0.30	mg/kg	6010B	25 NOV 98	27 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-78 9-12
LAB ID: 135230-0015-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 98
Cadmium	0.10		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-79 3-4
LAB ID: 135230-0016-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	11.4		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Barium	112		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Cadmium	4.0		1.0	0.20	mg/kg	6010B	25 NOV 98	27 NOV 98
Chromium	13.1		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Lead	44.5		1.0	0.30	mg/kg	6010B	25 NOV 98	27 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-79 9-12
LAB ID: 135230-0017-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 9
Cadmium	3.1		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-80 2-3
LAB ID: 135230-0018-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.1		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Barium	27.9		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Cadmium	1.0		1.0	0.20	mg/kg	6010B	25 NOV 98	27 NOV 98
Chromium	6.3		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Lead	196		1.0	0.30	mg/kg	6010B	25 NOV 98	27 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-81 2-3
LAB ID: 135230-0019-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	10.3		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Barium	149		1.0	1.0	mg/kg	6010B	25 NOV 98	27 NOV 98
Cadmium	16.1		1.0	0.20	mg/kg	6010B	25 NOV 98	27 NOV 98
Chromium	11.3		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Lead	76.1		1.0	0.30	mg/kg	6010B	25 NOV 98	27 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	27 NOV 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-82 6-9
LAB ID: 135230-0020-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-82 3-4
LAB ID: 135230-0021-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Barium	69.1		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Cadmium	0.33		1.0	0.20	mg/kg	6010B	25 NOV 98	30 NOV 9
Chromium	6.2		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 9
Lead	10.8		1.0	0.30	mg/kg	6010B	25 NOV 98	30 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 9

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-83 2-3
LAB ID: 135230-0022-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	4.8		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Barium	158		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Cadmium	0.28		1.0	0.20	mg/kg	6010B	25 NOV 98	30 NOV 98
Chromium	8.5		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 98
Lead	9.6		1.0	0.30	mg/kg	6010B	25 NOV 98	30 NOV 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 98
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-84 3-4
LAB ID: 135230-0023-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	6.9		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Barium	156		1.0	1.0	mg/kg	6010B	25 NOV 98	30 NOV 98
Cadmium	3.2		1.0	0.20	mg/kg	6010B	25 NOV 98	30 NOV 9
Chromium	15.8		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 9
Lead	44.7		1.0	0.30	mg/kg	6010B	25 NOV 98	30 NOV 98
Mercury	0.21		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 9
Silver	ND		1.0	0.50	mg/kg	6010B	25 NOV 98	30 NOV 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-84 9-12
LAB ID: 135230-0024-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 98
Cadmium	0.30		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-85 3-4
LAB ID: 135230-0025-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.7		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	145		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	2.1		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 98
Chromium	25.9		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Lead	39.9		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-85 9-12
LAB ID: 135230-0026-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 98
Cadmium	0.49		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-86 2-3
LAB ID: 135230-0027-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	6.7		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	130		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	6.1		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 9
Chromium	13.2		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 9
Lead	46.1		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 9
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-86 4-6
LAB ID: 135230-0028-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-89 3-4
LAB ID: 135230-0029-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	63.3		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	126		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	35.0		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 98
Chromium	10.4		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Lead	153		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	0.40		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Silver	0.57		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-91 2-3
LAB ID: 135230-0030-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	396		1.0	1.0	mg/kg	6010B	02 DEC 98	17 DEC 98
Barium	201		1.0	1.0	mg/kg	6010B	02 DEC 98	17 DEC 98
Cadmium	168		1.0	0.20	mg/kg	6010B	02 DEC 98	17 DEC 98
Chromium	29.3		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98
Lead	698		1.0	0.30	mg/kg	6010B	02 DEC 98	17 DEC 98
Mercury	0.25		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	0.94		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98
Silver	6.1		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98

METALS

Client Name: Quanterra Incorporated
Client ID: SB-92 2-3
LAB ID: 135230-0031-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	23.4		2.0	2.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	1430		2.0	2.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	12.0		2.0	0.40	mg/kg	6010B	02 DEC 98	03 DEC 9
Chromium	8.4		2.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 9
Lead	933		2.0	0.60	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND	G	2.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 9
Silver	4.8		2.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 9

G = Reporting limit(s) raised due to matrix interference.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-93 3-4
LAB ID: 135230-0032-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.5		1.0	1.0	mg/kg	6010B	02 DEC 98	17 DEC 98
Barium	105		1.0	1.0	mg/kg	6010B	02 DEC 98	17 DEC 98
Cadmium	2.7		1.0	0.20	mg/kg	6010B	02 DEC 98	17 DEC 98
Chromium	10.4		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98
Lead	24.9		1.0	0.30	mg/kg	6010B	02 DEC 98	17 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-93 6-9
LAB ID: 135230-0033-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	12 DEC 98
Cadmium	0.89		1.0	0.10	mg/L	6010B	11 DEC 98	12 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Lead	2.2		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	12 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	12 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-94 3-4
LAB ID: 135230-0034-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.6		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	104		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	0.23		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 98
Chromium	8.6		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Lead	7.4		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-95 3-4
LAB ID: 135230-0035-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.1		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	74.9		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	0.34		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 98
Chromium	8.4		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Lead	16.0		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-96 2-3
LAB ID: 135230-0036-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.3		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	130		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	0.42		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 98
Chromium	10.9		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Lead	41.1		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-97 2-3
LAB ID: 135230-0037-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.2		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	85.4		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	0.49		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 9
Chromium	7.0		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 9
Lead	27.4		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 9
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 9
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 9

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-98 2-3
LAB ID: 135230-0038-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.3		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	64.7		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	0.26		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 98
Chromium	4.7		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Lead	14.2		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-98 9-12
LAB ID: 135230-0039-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.4		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	14 DEC 9
Cadmium	3.0		1.0	0.10	mg/L	6010B	11 DEC 98	14 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 9
Mercury	0.00201		1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	14 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-99 2-3
LAB ID: 135230-0040-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 10 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	5.1		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	250		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	0.74		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 98
Chromium	14.9		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Lead	13.3		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	02 DEC 98	02 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-100 2-3
LAB ID: 135230-0041-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	76.1		1.0	1.0	mg/kg	6010B	02 DEC 98	17 DEC 98
Barium	197		1.0	1.0	mg/kg	6010B	02 DEC 98	17 DEC 98
Cadmium	48.8		1.0	0.20	mg/kg	6010B	02 DEC 98	17 DEC 98
Chromium	10.1		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98
Lead	806		1.0	0.30	mg/kg	6010B	02 DEC 98	17 DEC 98
Mercury	0.76		1.0	0.10	mg/kg	SW7471	03 DEC 98	04 DEC 98
Selenium	0.94		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98
Silver	1.6		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-100 6-9
LAB ID: 135230-0042-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	14 DEC 98
Cadmium	2.2		1.0	0.10	mg/L	6010B	11 DEC 98	14 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	14 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-101 2-3
LAB ID: 135230-0043-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	4.3		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	72.2		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	0.64		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 9
Chromium	6.5		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 9
Lead	13.8		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	03 DEC 98	04 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 9
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 9

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-101 3-6
LAB ID: 135230-0044-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	14 DEC 98
Cadmium	15.0		1.0	0.10	mg/L	6010B	11 DEC 98	14 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	14 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-102 2-3
LAB ID: 135230-0045-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	14.0		1.0	1.0	mg/kg	6010B	02 DEC 98	17 DEC 98
Barium	65.8		1.0	1.0	mg/kg	6010B	02 DEC 98	17 DEC 98
Cadmium	31.4		1.0	0.20	mg/kg	6010B	02 DEC 98	17 DEC 98
Chromium	14.6		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98
Lead	48.2		1.0	0.30	mg/kg	6010B	02 DEC 98	17 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	03 DEC 98	04 DEC 98
Selenium	0.90		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	17 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-103 2-3
LAB ID: 135230-0046-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	7.1		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	155		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	4.1		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 98
Chromium	10.6		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Lead	50.4		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	03 DEC 98	04 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-103 3-6
LAB ID: 135230-0047-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	0.55		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 9
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	14 DEC 9
Cadmium	0.27		1.0	0.10	mg/L	6010B	11 DEC 98	14 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 9
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 9
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	14 DEC 9
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-104 2-3
LAB ID: 135230-0048-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.2		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	131		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	2.1		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 98
Chromium	10.4		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Lead	10.9		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	03 DEC 98	04 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-105 3-4
LAB ID: 135230-0049-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	9.3		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Barium	76.9		1.0	1.0	mg/kg	6010B	02 DEC 98	03 DEC 98
Cadmium	1.3		1.0	0.20	mg/kg	6010B	02 DEC 98	03 DEC 98
Chromium	5.9		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Lead	6.7		1.0	0.30	mg/kg	6010B	02 DEC 98	03 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	02 DEC 98	03 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-106 2-3
LAB ID: 135230-0050-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	105		2.0	2.0	mg/kg	6010B	02 DEC 98	04 DEC 98
Barium	1050		2.0	2.0	mg/kg	6010B	02 DEC 98	04 DEC 98
Cadmium	24.2		2.0	0.40	mg/kg	6010B	02 DEC 98	04 DEC 98
Chromium	8.1		2.0	1.0	mg/kg	6010B	02 DEC 98	04 DEC 98
Lead	2280		2.0	0.60	mg/kg	6010B	02 DEC 98	04 DEC 98
Mercury	0.66		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND	G	2.0	1.0	mg/kg	6010B	02 DEC 98	04 DEC 98
Silver	7.3		2.0	1.0	mg/kg	6010B	02 DEC 98	04 DEC 98

G = Reporting limit(s) raised due to matrix interference.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-107 3-4
LAB ID: 135230-0051-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	13.9		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	117		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	10.7		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	8.7		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	272		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	0.54		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-108 2-3
LAB ID: 135230-0052-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.1		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	178		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	0.34		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	11.3		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	17.0		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-108 6-9
LAB ID: 135230-0053-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	14 DEC 98
Cadmium	3.1		1.0	0.10	mg/L	6010B	11 DEC 98	14 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Lead	1.6		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	14 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-109 2-3
LAB ID: 135230-0054-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.2		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	83.0		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	0.26		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	9.4		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	12.8		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-109 5-6
LAB ID: 135230-0055-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	0.55		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	14 DEC 98
Cadmium	2.9		1.0	0.10	mg/L	6010B	11 DEC 98	14 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Lead	0.61		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	14 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-110 2-3
LAB ID: 135230-0056-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.8		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	162		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	0.34		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	14.5		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	11.8		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-111 2-3
LAB ID: 135230-0057-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.3		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	145		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	0.78		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	8.4		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	18.7		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-111 3-6
LAB ID: 135230-0058-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	14 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	11 DEC 98	14 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	24 NOV 98	25 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	14 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98

1 = TCLP extraction was 11/22/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-112 3-4
LAB ID: 135230-0059-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	3.4		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	86.0		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	2.5		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	7.4		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	34.4		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-112 9-11
LAB ID: 135230-0060-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	14 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	11 DEC 98	14 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	27 NOV 98	30 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	14 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98

1 = TCLP extraction was 11/24/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-113 3-4
LAB ID: 135230-0061-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.7		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	115		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	ND		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	10.1		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	7.7		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-114 2-3
LAB ID: 135230-0062-SA
Matrix: SOIL — Sampled: 11 NOV 98 — Received: 18 NOV 98
Authorized: 18 NOV 98 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	4.2		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	59.4		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	6.3		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	7.8		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	28.4		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	0.12		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-115 2-3
LAB ID: 135230-0063-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	187		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	150		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	134		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	14.2		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	440		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	5.7		5.0	0.50	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	2.6		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	1.9		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-115 6-9
LAB ID: 135230-0064-SA
Matrix: SOIL
Authorized: 18 NOV 3

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 09 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	11 DEC 98	14 DEC 98
Cadmium	0.17		1.0	0.10	mg/L	6010B	11 DEC 98	14 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	27 NOV 98	30 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	11 DEC 98	14 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	11 DEC 98	14 DEC 98

1 = TCLP extraction was 11/24/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-116 3-4
LAB ID: 135230-0065-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	21.9		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	239		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	33.7		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	7.7		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	293		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	0.57		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	0.72		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-116 9-12
LAB ID: 135230-0066-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	27 NOV 98	30 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/24/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-117 1-2
LAB ID: 135230-0067-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	23.4		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	353		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	2.8		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	12.6		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	672		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	0.55		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-117 3-6
LAB ID: 135230-0068-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	ND		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	27 NOV 98	30 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/24/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-90 2-3
LAB ID: 135230-0069-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 06 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.2		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	108		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	0.25		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	7.5		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	40.5		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	0.11		1.0	0.10	mg/kg	SW7471	03 DEC 98	04 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-118 1-2
LAB ID: 135230-0070-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.44		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	27 NOV 98	30 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/24/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-118 7-9
LAB ID: 135230-0071-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 11 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	15.2		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	ND		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	0.96		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	2.0		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-119 1-2
ID: 135230-0072-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	1.6		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	27 NOV 98	30 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/24/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-119 3-6
LAB ID: 135230-0073-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	18.0		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	ND		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	1.4		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	1.8		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-120 1-2
LAB ID: 135230-0074-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.85		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	27 NOV 98	30 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/24/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-120 3-6
LAB ID: 135230-0075-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	2.9		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	152		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	0.65		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	9.3		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	11.1		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-121 1-2
LAB ID: 135230-0076-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1.5		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	6.1		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	0.63		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	27 NOV 98	30 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/24/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-121 3-6
LAB ID: 135230-0077-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	1480		2.0	2.0	mg/kg	6010B	03 DEC 98	07 DEC 98
Barium	1330		2.0	2.0	mg/kg	6010B	03 DEC 98	07 DEC 98
Cadmium	324		2.0	0.40	mg/kg	6010B	03 DEC 98	07 DEC 98
Chromium	11.2		2.0	1.0	mg/kg	6010B	03 DEC 98	07 DEC 98
Lead	4390		2.0	0.60	mg/kg	6010B	03 DEC 98	07 DEC 98
Mercury	13.4		10	1.0	mg/kg	SW7471	07 DEC 98	08 DEC 98
Selenium	4.4		2.0	1.0	mg/kg	6010B	03 DEC 98	07 DEC 98
Silver	28.2		2.0	1.0	mg/kg	6010B	03 DEC 98	07 DEC 98

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-122 1-2
LAB ID: 135230-0078-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.55		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	27 NOV 98	30 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/24/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-122 3-6
LAB ID: 135230-0079-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	34.8		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	80.6		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	113		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	9.2		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	10.8		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	ND		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

Metals
TCLP Leachate

Client Name: Quanterra Incorporated
Client ID: SB-123 1-2
LAB ID: 135230-0080-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below
Leached: 10 DEC 98

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Barium	ND		1.0	10.0	mg/L	6010B	14 DEC 98	15 DEC 98
Cadmium	0.11		1.0	0.10	mg/L	6010B	14 DEC 98	15 DEC 98
Chromium	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Lead	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98
Mercury	ND	1	1.0	0.0020	mg/L	7470A	27 NOV 98	30 NOV 98
Selenium	ND		1.0	0.25	mg/L	6010B	14 DEC 98	15 DEC 98
Silver	ND		1.0	0.50	mg/L	6010B	14 DEC 98	15 DEC 98

1 = TCLP extraction was 11/24/98.
ND = Not Detected

METALS

Client Name: Quanterra Incorporated
Client ID: SB-123 3-6
LAB ID: 135230-0081-SA
Matrix: SOIL
Authorized: 18 NOV 98

Sampled: 12 NOV 98
Prepared: See Below

Received: 18 NOV 98
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Arsenic	10.2		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Barium	101		1.0	1.0	mg/kg	6010B	03 DEC 98	04 DEC 98
Cadmium	3.1		1.0	0.20	mg/kg	6010B	03 DEC 98	04 DEC 98
Chromium	9.4		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Lead	57.0		1.0	0.30	mg/kg	6010B	03 DEC 98	04 DEC 98
Mercury	0.14		1.0	0.10	mg/kg	SW7471	07 DEC 98	07 DEC 98
Selenium	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98
Silver	ND		1.0	0.50	mg/kg	6010B	03 DEC 98	04 DEC 98

ND = Not Detected

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135230-0001-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0002-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0004-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0006-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0007-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0008-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0009-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0011-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0012-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0014-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0016-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0018-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0019-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0021-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0022-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0023-SA	SOLID	QICP-S		25 NOV 98-PX	25 NOV 98-PA
135230-0025-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0027-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0029-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0030-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0031-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0032-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0034-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0035-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0036-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0037-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0038-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0040-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0041-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0043-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0045-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0046-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0048-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0049-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0050-SA	SOLID	QICP-S		02 DEC 98-QX5	02 DEC 98-QA
135230-0051-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0052-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0054-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0056-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0057-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0059-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0061-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0062-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0063-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0065-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0067-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0069-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0071-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135230-0073-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0075-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0077-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0079-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0081-SA	SOLID	QICP-S		03 DEC 98-RX	03 DEC 98-RA
135230-0001-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0002-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0004-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0006-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0007-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0008-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0009-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0011-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0012-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0014-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0016-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0018-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0019-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0021-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0022-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0023-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0025-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0027-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0029-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0030-SA	SOLID	QHG-S		02 DEC 98-HX	02 DEC 98-HA
135230-0031-SA	SOLID	QHG-S		02 DEC 98-IX	02 DEC 98-IA
135230-0032-SA	SOLID	QHG-S		02 DEC 98-IX	02 DEC 98-IA
135230-0034-SA	SOLID	QHG-S		02 DEC 98-IX	02 DEC 98-IA
135230-0035-SA	SOLID	QHG-S		02 DEC 98-IX	02 DEC 98-IA
135230-0036-SA	SOLID	QHG-S		02 DEC 98-IX	02 DEC 98-IA
135230-0037-SA	SOLID	QHG-S		02 DEC 98-IX	02 DEC 98-IA
135230-0038-SA	SOLID	QHG-S		02 DEC 98-IX	02 DEC 98-IA
135230-0040-SA	SOLID	QHG-S		02 DEC 98-IX	02 DEC 98-IA
135230-0041-SA	SOLID	QHG-S		03 DEC 98-KX	03 DEC 98-KA
135230-0043-SA	SOLID	QHG-S		03 DEC 98-KX	03 DEC 98-KA
135230-0045-SA	SOLID	QHG-S		03 DEC 98-KX	03 DEC 98-KA
135230-0046-SA	SOLID	QHG-S		03 DEC 98-KX	03 DEC 98-KA
135230-0048-SA	SOLID	QHG-S		03 DEC 98-KX	03 DEC 98-KA
135230-0049-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0050-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0051-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0052-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0054-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0056-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0057-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0059-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0061-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0062-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135230-0063-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0065-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0067-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0069-SA	SOLID	QHG-S		03 DEC 98-KX	03 DEC 98-KA
135230-0071-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0073-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0075-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0077-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0079-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0081-SA	SOLID	QHG-S		07 DEC 98-HX	07 DEC 98-HA
135230-0003-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0005-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0010-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0013-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0015-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0017-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0020-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0024-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0026-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0028-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0033-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0039-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0042-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0044-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0047-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0053-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0055-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0058-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0060-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0064-SA	LEACHATE	QICP-TL		11 DEC 98-MX1	11 DEC 98-MA
135230-0066-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135230-0068-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135230-0070-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135230-0072-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135230-0074-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135230-0076-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135230-0078-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135230-0080-SA	LEACHATE	QICP-TL		14 DEC 98-MX1	14 DEC 98-MA1
135230-0003-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0005-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0010-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0013-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0015-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0017-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0020-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0024-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0026-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0028-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
135230-0033-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0039-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0042-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0044-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0047-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0053-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0055-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0058-SA	LEACHATE	QHG-TL		24 NOV 98-MX	24 NOV 98-MA
135230-0060-SA	LEACHATE	QHG-TL		27 NOV 98-MX	27 NOV 98-MA
135230-0064-SA	LEACHATE	QHG-TL		27 NOV 98-MX	27 NOV 98-MA
135230-0066-SA	LEACHATE	QHG-TL		27 NOV 98-MX	27 NOV 98-MA
135230-0068-SA	LEACHATE	QHG-TL		27 NOV 98-MX	27 NOV 98-MA
135230-0070-SA	LEACHATE	QHG-TL		27 NOV 98-MX	27 NOV 98-MA
135230-0072-SA	LEACHATE	QHG-TL		27 NOV 98-MX	27 NOV 98-MA
135230-0074-SA	LEACHATE	QHG-TL		27 NOV 98-MX	27 NOV 98-MA
135230-0076-SA	LEACHATE	QHG-TL		27 NOV 98-MX	27 NOV 98-MA
135230-0078-SA	LEACHATE	QHG-TL		27 NOV 98-MX	27 NOV 98-MA
135230-0080-SA	LEACHATE	QHG-TL		27 NOV 98-MX	27 NOV 98-MA

METHOD BLANK REPORT
Metals Analysis and Preparation
Project: 135230

Test: Q-ICPT-S Method 6010B - ICP Metals
Matrix: SOLID
QC Run: 25 NOV 98-PX

Date Analyzed: 30 NOV 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/kg	1.0
Barium	ND	mg/kg	1.0
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50

QC Run: 02 DEC 98-QX5

Date Analyzed: 17 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/kg	1.0
Barium	ND	mg/kg	1.0
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50

QC Run: 03 DEC 98-RX

Date Analyzed: 04 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/kg	1.0
Barium	ND	mg/kg	1.0
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50

Test: Q-HG-CVAA-S Method SW7471A - Mercury, Cold Vapor AA
Matrix: SOLID
QC Run: 02 DEC 98-HX

Date Analyzed: 02 DEC 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.10

ND = Not Detected

METHOD BLANK REPORT (cont.)
Metals Analysis and Preparation
Project: 135230

Test: Q-HG-CVAA-S Method SW7471A - Mercury, Cold Vapor AA (cont.)
Matrix: SOLID

QC Run: 02 DEC 98-IX Date Analyzed: 02 DEC 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.10

QC Run: 03 DEC 98-KX Date Analyzed: 04 DEC 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.10

QC Run: 07 DEC 98-HX Date Analyzed: 07 DEC 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.10

Test: Q-ICP-TCLP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
QC Run: 11 DEC 98-MX1 Date Analyzed: 12 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/L	0.50
Barium	ND	mg/L	10.0
Cadmium	ND	mg/L	0.10
Chromium	ND	mg/L	0.50
Lead	ND	mg/L	0.50
Selenium	ND	mg/L	0.25
Silver	ND	mg/L	0.50

QC Run: 14 DEC 98-MX1 Date Analyzed: 15 DEC 98

Analyte	Result	Units	Reporting Limit
Arsenic	ND	mg/L	0.50
Barium	ND	mg/L	10.0
Cadmium	ND	mg/L	0.10
Chromium	ND	mg/L	0.50
Lead	ND	mg/L	0.50
Selenium	ND	mg/L	0.25
Silver	ND	mg/L	0.50

ND = Not Detected

METHOD BLANK REPORT (cont.)
Metals Analysis and Preparation
Project: 135230

Test: Q-HG-CVAA-TCLP-TL Method 7470A- Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
QC Run: 24 NOV 98-MX

Date Analyzed: 25 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/L	0.0020

QC Run: 27 NOV 98-MX

Date Analyzed: 30 NOV 98

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/L	0.0020

ND = Not Detected

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 135230

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID Date Analyzed: 30 NOV 98
QC Run: 25 NOV 98-PX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	200	204	102	75-110
Barium	200	210	105	85-115
Cadmium	5.00	5.44	109	80-120
Chromium	20.0	22.1	110	85-120
Lead	50.0	52.1	104	80-115
Selenium	200	193	97	70-110
Silver	5.00	4.92	98	80-110

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID Date Analyzed: 03 DEC 98
QC Run: 02 DEC 98-QX5
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	200	190	95	75-110
Barium	200	205	103	85-115
Cadmium	5.00	4.81	96	80-120
Chromium	20.0	21.0	105	85-120
Lead	50.0	49.7	99	80-115
Selenium	200	193	97	70-110
Silver	5.00	4.82	96	80-110

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID Date Analyzed: 04 DEC 98
QC Run: 03 DEC 98-RX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	200	194	97	75-110
Barium	200	200	100	85-115
Cadmium	5.00	5.11	102	80-120
Chromium	20.0	20.4	102	85-120
Lead	50.0	49.7	99	80-115
Selenium	200	185	93	70-110
Silver	5.00	4.63	93	80-110

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)
Project: 135230

Category: QHG-S Mercury by CVAA
Matrix: SOLID Date Analyzed: 02 DEC 98
QC Run: 02 DEC 98-HX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.833	0.812	97	85-115

Category: QHG-S Mercury by CVAA
Matrix: SOLID Date Analyzed: 02 DEC 98
QC Run: 02 DEC 98-IX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.833	0.813	98	85-115

Category: QHG-S Mercury by CVAA
Matrix: SOLID Date Analyzed: 04 DEC 98
QC Run: 03 DEC 98-KX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.833	0.793	95	85-115

Category: QHG-S Mercury by CVAA
Matrix: SOLID Date Analyzed: 07 DEC 98
QC Run: 07 DEC 98-HX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.833	0.912	109	85-115

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 12 DEC 98
QC Run: 11 DEC 98-MX1
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	5.00	5.17	103	85-115
Barium	50.0	53.8	108	85-115

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)
Project: 135230

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 12 DEC 98
QC Run: 11 DEC 98-MX1 (cont.)
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Cadmium	1.00	0.970	97	80-120
Chromium	5.00	5.02	100	80-115
Lead	5.00	4.65	93	85-120
Selenium	1.00	1.02	102	85-125
Silver	1.00	0.743	74	85-115 a

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE Date Analyzed: 15 DEC 98
QC Run: 14 DEC 98-MX1
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Arsenic	5.00	4.95	99	85-115
Barium	50.0	50.3	101	85-115
Cadmium	1.00	0.932	93	80-120
Chromium	5.00	4.81	96	80-115
Lead	5.00	4.42	88	85-120
Selenium	1.00	0.966	97	85-125
Silver	1.00	0.882	88	85-115

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE Date Analyzed: 25 NOV 98
QC Run: 24 NOV 98-MX
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.00500	0.00521	104	85-115

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE Date Analyzed: 30 NOV 98
QC Run: 27 NOV 98-MX
Concentration Units: mg/L

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.00500	0.00533	107	85-115

a = See narrative.
Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135230

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID
Sample: 135365-0001
MS Run: 25 NOV 98-PA
Units mg/kg Units Qualifier: Wet weight

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
	Concentration								
Arsenic	3.16 J	188	192	200	93	94	1.7	75-110	20
Barium	134	304	321	200	85	93	5.2	85-115	20
Cadmium	0.700 J	5.25	5.37	5.00	91	93	2.2	80-120	20
Chromium	18.4	37.1	38.5	20.0	94	101	3.7	85-120	20
Lead	4.63 J	51.1	51.8	50.0	93	94	1.4	80-115	20
Selenium	ND	179	180	200	89	90	0.6	70-110	20
Silver	ND	4.56	4.72	5.00	91	94	3.4	80-110	20

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID
Sample: 135230-0025
MS Run: 02 DEC 98-QA
Units: mg/kg

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
	Concentration								
Arsenic	3.73	169	173	200	83	84	2.0	75-110	20
Barium	145	320	326	200	88	91	1.8	85-115	20
Cadmium	2.09	6.13	6.25	5.00	81	83	2.0	80-120	20
Chromium	25.9	38.6 n	39.6 n	20.0	63	68	2.5	85-120	20
Lead	39.9	121 n	124 n	50.0	162	169	2.7	80-115	20
Selenium	ND	168	172	200	84	86	1.9	70-110	20
Silver	0.243 J	4.35	4.37	5.00	82	82	0.5	80-110	20

J = Result is detected below the reporting limit or is an estimated concentration.
n = Spiked analyte out of matrix spike acceptance limits; refer to lab control sample results.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135230 (cont.)

Category: QICP-S Method 6010B - ICP Metals
Matrix: SOLID
Sample: 135230-0051
MS Run: 03 DEC 98-RA
Units: mg/kg

Analyte	Sample Result	MS Result		MSD Result		Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
	Concentration										
Arsenic	13.9	191		192		200	88	89	0.8	75-110	20
Barium	117	266	n	267	n	200	75	75	0.2	85-115	20
Cadmium	10.7	13.9	n	14.1	n	5.00	64	68	1.4	80-120	20
Chromium	8.67	27.8		28.0		20.0	96	97	0.7	85-120	20
Lead	272	115		115		50.0	NC	NC	NC	80-115	20
Selenium	ND	176		178		200	88	89	0.7	70-110	20
Silver	0.541	4.48	n	4.55		5.00	79	80	1.5	80-110	20

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Sample: 135230-0001
MS Run: 02 DEC 98-HA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
	Concentration								
Mercury	0.0333 J	0.205	0.200	0.167	103	100	2.5	85-115	20

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Sample: 135230-0031
MS Run: 02 DEC 98-IA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
	Concentration								
Mercury	0.0945 J	0.282	0.280	0.167	112	111	0.5	85-115	20

J = Result is detected below the reporting limit or is an estimated concentration.
n = Spiked analyte out of matrix spike acceptance limits; refer to lab control sample results.
NC = Not Calculated, calculation not applicable.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135230 (cont.)

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Sample: 135230-0048
MS Run: 03 DEC 98-KA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Mercury	0.0218 J	0.183	0.190	0.167	97	101	3.8	85-115	20

Category: QHG-S Mercury by CVAA
Matrix: SOLID
Sample: 135230-0049
MS Run: 07 DEC 98-HA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Mercury	ND	0.187	0.187	0.167	112	112	0.0	85-115	20

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
Sample: 135230-0003
MS Run: 11 DEC 98-MA
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Arsenic	0.111 J	5.07	4.81	5.00	99	94	5.2	50-150	2
Barium	0.806 J	51.9	48.9	50.0	102	96	6.0	50-150	2
Cadmium	0.646	1.59	1.53	1.00	94	89	3.5	50-150	2
Chromium	ND	4.77	4.54	5.00	95	91	4.8	50-150	2
Lead	0.0580 J	4.53	4.32	5.00	89	85	4.7	50-150	2
Selenium	ND	0.985	0.937	1.00	98	94	5.0	50-150	2
Silver	ND	0.836	0.787	1.00	84	79	6.0	50-150	2

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 135230 (cont.)

Category: QICP-TL Method 6010B - TCLP Metals by ICP TCLP Leachate
Matrix: LEACHATE
Sample: 135230-0066
MS Run: 14 DEC 98-MA1
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Arsenic	ND	4.69	4.69	5.00	94	94	0.0	50-150	20
Barium	0.689 J	45.6	43.5	50.0	90	86	4.8	50-150	20
Cadmium	0.0164 J	0.887	0.885	1.00	87	87	0.2	50-150	20
Chromium	0.00808 J	4.41	4.42	5.00	88	88	0.1	50-150	20
Lead	ND	4.00	3.89	5.00	80	78	2.6	50-150	20
Selenium	ND	0.908	0.913	1.00	91	91	0.5	50-150	20
Silver	ND	0.792	0.770	1.00	79	77	2.7	50-150	20

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
Sample: 135230-0003
MS Run: 24 NOV 98-MA
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Mercury	ND	0.00533	0.00540	0.00500	107	108	1.3	50-150	20

Category: QHG-TL Method 7470 - Mercury, Cold Vapor AA TCLP Leachate
Matrix: LEACHATE
Sample: 135230-0060
MS Run: 27 NOV 98-MA
Units: mg/L

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Mercury	ND	0.00483	0.00469	0.00500	97	94	2.9	50-150	20

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

PCB Result Summary

AMERICAN
WEST
ANALYTICAL
LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687

Field Sample ID: S8-077

Lab Name:	American West Analytical Laboratories	Contact:	Karen Kuoppala
Matrix:	Soil	Lab Set ID:	L36642
Sample wt.:	30g	Lab Sample ID:	L36642-1
% Moisture:	2.2%	Lab File ID:	325c018.rst
Extraction:	Sonication	Date Received:	01Apr99
Concentrated Extract Volume:	5mL	Date Extracted:	03Apr99
Cleanup:	N/A	Date Analyzed:	05Apr99
		Dilution Factor:	N/A

Concentration Units: µg/Kg (ppb)

CAS Number	Compound	DL	Result
12674-11-2	Aroclor 1016	25	ND*
11104-28-2	Aroclor 1221	25	ND*
11141-16-5	Aroclor 1232	25	ND*
53469-21-9	Aroclor 1242	25	ND*
12672-29-6	Aroclor 1248	25	ND*
11097-69-1	Aroclor 1254	25	ND*
11096-82-5	Aroclor 1260	25	ND*

ND* - not detected above detection limit

Released by: _____
Laboratory Supervisor

Report Date: 07Apr99

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PCB Result Summary

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ANALYTICAL
LABORATORIES

53 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Free (888) 263-8686
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Field Sample ID: SB-071

Lab Name:	American West Analytical Laboratories	Contact:	Karen Kuoppala
Matrix:	Soil	Lab Set ID:	L36642
Sample wt.:	30g	Lab Sample ID:	L36642-2
% Moisture:	7.2%	Lab File ID:	325c019.rst
Extraction:	Sonication	Date Received:	01Apr99
Concentrated Extract Volume:	5mL	Date Extracted:	03Apr99
Cleanup:	N/A	Date Analyzed:	05Apr99
		Dilution Factor:	N/A

Concentration Units: µg/Kg (ppb)

CAS Number	Compound	DL	Result
12674-11-2	Aroclor 1016	25	ND*
11104-28-2	Aroclor 1221	25	ND*
11141-16-5	Aroclor 1232	25	ND*
53469-21-9	Aroclor 1242	25	ND*
12672-29-6	Aroclor 1248	25	ND*
11097-69-1	Aroclor 1254	25	ND*
11096-82-5	Aroclor 1260	25	ND*

ND* - not detected above detection limit.

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Laboratory Supervisor

Report Date: 07Apr99

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Salt Lake City, Utah
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(801) 263-8687

Field Sample ID: SB-070

Lab Name:	American West Analytical Laboratories	Contact:	Karen Kuoppala
Matrix:	Soil	Lab Set ID:	L36642
Sample wt.:	30g	Lab Sample ID:	L36642-3
% Moisture:	4.6%	Lab File ID:	325c020.rst
Extraction:	Sonication	Date Received:	01Apr99
Concentrated Extract Volume:	5mL	Date Extracted:	03Apr99
Cleanup:	N/A	Date Analyzed:	05Apr99
		Dilution Factor:	N/A

Concentration Units: ug/Kg (ppb)

CAS Number	Compound	DL	Result
12674-11-2	Aroclor 1016	25	ND*
11104-28-2	Aroclor 1221	25	ND*
11141-16-5	Aroclor 1232	25	ND*
53469-21-9	Aroclor 1242	25	ND*
12672-29-6	Aroclor 1248	25	ND*
11097-69-1	Aroclor 1254	25	ND*
11096-82-5	Aroclor 1260	25	ND*

ND* - not detected above detection limit.

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Laboratory Supervisor

Report Date: 07Apr99

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PCB Result Summary

AMERICAN
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ANALYTICAL
LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687

Field Sample ID: SB-075

Lab Name:	American West Analytical Laboratories	Contact:	Karen Kuoppala
Matrix:	Soil	Lab Set ID:	L36642
Sample wt.:	30g	Lab Sample ID:	L36642-4
% Moisture:	7.7%	Lab File ID:	325c021.rst
Extraction:	Sonication	Date Received:	01Apr99
Concentrated Extract Volume:	5mL	Date Extracted:	03Apr99
Cleanup:	N/A	Date Analyzed:	05Apr99
		Dilution Factor:	N/A

Concentration Units: µg/Kg (ppb)

CAS Number	Compound	DL	Result
12674-11-2	Aroclor 1016	25	ND*
11104-28-2	Aroclor 1221	25	ND*
11141-16-5	Aroclor 1232	25	ND*
53469-21-9	Aroclor 1242	25	ND*
12672-29-6	Aroclor 1248	25	ND*
11097-69-1	Aroclor 1254	25	ND*
11096-82-5	Aroclor 1260	25	ND*

ND* - not detected above detection limit.

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Laboratory Supervisor

Report Date: 07Apr99

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ORGANIC ANALYSIS REPORT

Client: URS Operating Services, Inc.
Date Sampled: March 29, 1999
Date Received: April 01, 1999

Contact: Karen Kuoppala
Date Extracted: April 06, 1999
Date Analyzed: April 06, 1999

Analysis Requested:
Oil and Grease

Method Ref.Number:
EPA 1664 (Gravimetric)

Field Sample ID: 36075 SB0777
7590124/ASARCO

Lab Sample ID:

Analytical Results — Oil & Grease
Units = mg/kg(ppm)

Compound:	Reporting Limit:	Amount Detected:
Oil and Grease	50.	11000.

Released By: _____
Laboratory Supervisor

Report Date: April 08, 1999

ORGANIC ANALYSIS REPORT

Client: URS Operating Services, Inc.
Date Sampled: March 29, 1999
Date Received: April 01, 1999

Contact: Karen Kuoppala
Date Extracted: April 06, 1999
Date Analyzed: April 06, 1999

Analysis Requested:
Oil and Grease

Method Ref.Number:
EPA 1664 (Gravimetric)

Field Sample ID:
HP-PS-SB-071/012676, 012678
7590124/ASARCO

Lab Sample ID:
L36642-2

Analytical Results **Oil & Grease**
Units = mg/kg(ppm)

Compound:	Reporting Limit:	Amount Detected:
Oil and Grease	50.	7000.

Released By:_____
Laboratory Supervisor

Report Date: April 08, 1999

ORGANIC ANALYSIS REPORT

Client: URS Operating Services, Inc.
Date Sampled: March 29, 1999
Date Received: April 01, 1999

Contact: Karen Kuoppala
Date Extracted: April 06, 1999
Date Analyzed: April 06, 1999

Analysis Requested:
Oil and Grease

Method Ref.Number.
EPA 1664 (Gravimetric)

Field Sample ID:
HP-PS-SB-070/012675, 012677
7590124/ASARCO

Lab Sample ID:
L36642-3

Analytical Results **Oil & Grease**
Units = mg/kg(ppm)

Compound:	Reporting Limit:	Amount Detected:
Oil and Grease	50.	37000.

Released By: _____
Laboratory Supervisor

Report Date: April 08, 1999

ORGANIC ANALYSIS REPORT

303-2263334

Client: URS Operating Services, Inc.
Date Sampled: March 29, 1999
Date Received: April 01, 1999

Contact: Karen Kuoppala
Date Extracted: April 06, 1999
Date Analyzed: April 06, 1999

Analysis Requested:
Oil and Grease

Method Ref.Number:
EPA 1664 (Gravimetric)

Field Sample ID:
HP-PS-SB-075/012671, 012672
7590124/ASARCO

Lab Sample ID:
L36642-4

Analytical Results **Oil & Grease**
Units= mg/kg(ppm)

Compound:	Reporting Limit:	Amount Detected:
Oil and Grease	50.	10000.

694.2770
3032

Released By:_____
Laboratory Supervisor

Report Date: April 08, 1999

Sample Analysis Report

AMERICAN WEST ANALYTICAL LABORATORIES

West 3600 South
Lake City, Utah
84115

(801) 263-8686
Fax (801) 263-8687

Sample ID: L36642-1

Client ID: SB-077

Client Contact: Karen Kuoppala

Instrument ID: GC# 2 5890 SERIES II PLUS

Date Analyzed: 4-6-99 Units: mg/Kg

Compound	D.I.	Amount	RT	From	To
Benzene	1.0	ND	NA	1.77	1.83
Toluene	1.0	ND	NA	5.76	5.84
Ethlybenzene	1.0	ND	NA	7.26	7.30
m&p –Xylene	1.0	ND	NA	7.45	7.49
o-Xylene	1.0	ND	NA	7.92	7.96
Naphthalene	1.0	ND	NA	11.20	11.24
GRO	1.0	ND	NA	1.0	-10.0
DRO	200	230.0	NA	-10.0	25.0

Released by: _____
Laboratory Supervisor

Report date: _____

000003

Sample Analysis Report

AMERICAN WEST ANALYTICAL LABORATORIES

53 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Free (888) 263-8686
Fax (801) 263-8687

Sample ID: L36642-2

Client ID: SB-071

Client Contact: Karen Kuoppala

Instrument ID: GC# 2 5890 SERIES II PLUS

Date Analyzed: 4-6-99 Units: mg/Kg

Compound	D.L.	Amount	RT	From	To
Benzene	*0.1*	*ND*	*NA*	*1.77*	*1.83*
Toluene	*0.1*	*ND*	*NA*	*3.78*	*3.84*
Ethlybenzene	*0.1*	*ND*	*NA*	*7.26*	*7.30*
m&p –Xylene	*0.1*	*ND*	*NA*	*7.45*	*7.49*
o-Xylene	*0.1*	*ND*	*NA*	*7.92*	*7.96*
Naphthalene	*0.1*	*ND*	*NA*	*11.20*	*11.24*
GRO	*0.1*	*ND*	*NA*	*1.0*	*~10.0*
DRO	*20.0*	*550.0*	*NA*	*~10.0*	*25.0*

Released by: _____
Laboratory Supervisor

Report date: _____

000009

AMERICAN
WEST
ANALYTICAL
LABORATORIES

West 3600 South
Lake City, Utah
84115

(801) 263-8686
(888) 263-8686
(801) 263-8687

Sample Analysis Report

Sample ID: L36642-3

Client ID: SB-070

Client Contact: Karen Kuoppala

Instrument ID: GC# 2 5890 SERIES II PLUS

Date Analyzed: 4-6-99 Units:mg/Kg

Compound	D.L.	Amount	RT	From	To
Benzene	*1.0*	*ND*	*NA*	*1.77*	*1.83*
Toluene	*1.0*	*ND*	*NA*	*3.78*	*3.84*
Ethlybenzene	*1.0*	*ND*	*NA*	*7.26*	*7.30*
m&p –Xylene	*1.0*	*ND*	*NA*	*7.45*	*7.49*
o-Xylene	*1.0*	*ND*	*NA*	*7.92*	*7.96*
Naphthalene	*1.0*	*ND*	*NA*	*11.20*	*11.24*
GRO	*1.0*	*ND*	*NA*	*1.0*	*~10.0*
DRO	*200*	*560.0*	*NA*	*~10.0*	*25.0*

Released by: _____ Report date: _____
Laboratory Supervisor

000010

AMERICAN
WEST
ANALYTICAL
LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
-8686
-8687

Sample Analysis Report

Sample ID: L36642-4

Client ID: SB-075

Client Contact: Karen Kuoppala

Instrument ID: GC# 2 5890 SERIES II PLUS

Date Analyzed: 4-6-99 Units:mg/Kg

Compound	D.L.	Amount	RT	From	To
Benzene	*0.1*	*ND*	*NA*	*1.77*	*1.83*
Toluene	*0.1*	*ND*	*NA*	*3.78*	*3.84*
Ethlybenzene	*0.1*	*ND*	*NA*	*7.26*	*7.30*
m&p –Xylene	*0.1*	*ND*	*NA*	*7.45*	*7.49*
o-Xylene	*0.1*	*ND*	*NA*	*7.92*	*7.9[illegible]*
Naphthalene	*0.1*	*6.3*	*11.23*	*11.20*	*11.2[illegible]*
GRO	*0.1*	*ND*	*NA*	*1.0*	*~10.0*
DRO	*20*	*3100.0*	*NA*	*~10.0*	*25.0*

Released by: _____
Laboratory Supervisor

Report date: _____

000011

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB54A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931697

Level (low/med): LOW Date Received: 03/18/99

% Solids: 98.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	559			P
7440-36-0	Antimony	0.17	B	N	P
7440-38-2	Arsenic	24.7			P
7440-39-3	Barium	14.6			P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	7.5			P
7440-70-2	Calcium	296			P
7440-47-3	Chromium	2.2			P
7440-48-4	Cobalt	0.49	B		P
7440-50-8	Copper	26.8			P
7439-89-6	Iron	2540			P
7439-92-1	Lead	4.4		E	P
7439-95-4	Magnesium	163			P
7439-96-5	Manganese	16.6			P
7440-02-0	Nickel	0.44	B		P
7440-09-7	Potassium	228			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.09	B		P
7440-23-5	Sodium	165	B		P
7440-28-0	Thallium	4.2			P
7440-62-2	Vanadium	3.7			P
7440-66-6	Zinc	29.6			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.31g Wet:6.72g Dry:6.65g

Duplicate (HPSB54AD)

FORM I - IN

SW846

03/23/99 15:56 002/020

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB55A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931702

Level (low/med): LOW Date Received: 03/18/99

% Solids: 81.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7860			P
7440-36-0	Antimony	0.28	B	N	P
7440-38-2	Arsenic	25.9			P
7440-39-3	Barium	174			P
7440-41-7	Beryllium	0.72			P
7440-43-9	Cadmium	8.2			P
7440-70-2	Calcium	3370			P
7440-47-3	Chromium	8.3			P
7440-48-4	Cobalt	5.5			P
7440-50-8	Copper	16.3			P
7439-89-6	Iron	13400			P
7439-92-1	Lead	28.2		E	P
7439-95-4	Magnesium	2030			P
7439-96-5	Manganese	277			P
7440-02-0	Nickel	6.7			P
7440-09-7	Potassium	2350			P
7782-49-2	Selenium	0.61			P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	282			P
7440-28-0	Thallium	1.1	B		P
7440-62-2	Vanadium	18.6			P
7440-66-6	Zinc	141			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:6.91g Dry:5.87g

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB55B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931703

Level (low/med): LOW Date Received: 03/18/99

% Solids: 91.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	936			P
7440-36-0	Antimony	0.14	B	N	P
7440-38-2	Arsenic	15.9			P
7440-39-3	Barium	26.4			P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	2.4			P
7440-70-2	Calcium	432			P
7440-47-3	Chromium	4.1			P
7440-48-4	Cobalt	0.56			P
7440-50-8	Copper	6.7			P
7439-89-6	Iron	2620			P
7439-92-1	Lead	2.8		E	P
7439-95-4	Magnesium	233			P
7439-96-5	Manganese	14.0			P
7440-02-0	Nickel	0.68			P
7440-09-7	Potassium	296			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	157	B		P
7440-28-0	Thallium	3.6			P
7440-62-2	Vanadium	3.5			P
7440-66-6	Zinc	20.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.34g Dry:5.90g

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SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB56A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931704

Level (low/med): LOW Date Received: 03/18/99

% Solids: 90.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10400			P
7440-36-0	Antimony	0.57	B	N	P
7440-38-2	Arsenic	80.5			P
7440-39-3	Barium	187			P
7440-41-7	Beryllium	0.77			P
7440-43-9	Cadmium	25.4			P
7440-70-2	Calcium	4790			P
7440-47-3	Chromium	12.1			P
7440-48-4	Cobalt	7.3			P
7440-50-8	Copper	58.5			P
7439-89-6	Iron	14800			P
7439-92-1	Lead	247		E	P
7439-95-4	Magnesium	3070			P
7439-96-5	Manganese	340			P
7440-02-0	Nickel	9.7			P
7440-09-7	Potassium	3370			P
7782-49-2	Selenium	0.42	B		P
7440-22-4	Silver	1.4			P
7440-23-5	Sodium	416			P
7440-28-0	Thallium	1.6			P
7440-62-2	Vanadium	22.9			P
7440-66-6	Zinc	211			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.47g Dry:5.96g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB56B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931705

Level (low/med): LOW Date Received: 03/18/99

% Solids: 96.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2120			P
7440-36-0	Antimony	0.16	B	N	P
7440-38-2	Arsenic	16.1			P
7440-39-3	Barium	41.6			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	12.2			P
7440-70-2	Calcium	907			P
7440-47-3	Chromium	5.8			P
7440-48-4	Cobalt	1.4			P
7440-50-8	Copper	7.9			P
7439-89-6	Iron	4680			P
7439-92-1	Lead	4.1		E	P
7439-95-4	Magnesium	548			P
7439-96-5	Manganese	40.6			P
7440-02-0	Nickel	1.5			P
7440-09-7	Potassium	519			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	202			P
7440-28-0	Thallium	5.1			P
7440-62-2	Vanadium	7.9			P
7440-66-6	Zinc	94.9			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted Dry Weights Container:1.29g Wet:6.65g Dry:6.47g

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SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB56C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931706

Level (low/med): LOW Date Received: 03/18/99

% Solids: 95.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	540			P
7440-36-0	Antimony	0.10	U	N	P
7440-38-2	Arsenic	73.9			P
7440-39-3	Barium	10.2			P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	17.1			P
7440-70-2	Calcium	250			P
7440-47-3	Chromium	2.2			P
7440-48-4	Cobalt	0.45	B		P
7440-50-8	Copper	1.7			P
7439-89-6	Iron	2700			P
7439-92-1	Lead	1.9		E	P
7439-95-4	Magnesium	181			P
7439-96-5	Manganese	41.4			P
7440-02-0	Nickel	0.89			P
7440-09-7	Potassium	180			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	174	B		P
7440-28-0	Thallium	3.2			P
7440-62-2	Vanadium	3.3			P
7440-66-6	Zinc	89.5			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted Dry Weights Container:1.29g Wet:6.83g Dry:6.57g

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SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB62A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931720

Level (low/med): LOW Date Received: 03/18/99

% Solids: 96.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4720			P
7440-36-0	Antimony	0.14	B	N	P
7440-38-2	Arsenic	1.3			P
7440-39-3	Barium	78.2			P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	0.02	U		P
7440-70-2	Calcium	2600			P
7440-47-3	Chromium	5.8			P
7440-48-4	Cobalt	3.1			P
7440-50-8	Copper	6.6			P
7439-89-6	Iron	7910			P
7439-92-1	Lead	6.4		E	P
7439-95-4	Magnesium	1650			P
7439-96-5	Manganese	118			P
7440-02-0	Nickel	4.1			P
7440-09-7	Potassium	1180			P
7782-49-2	Selenium	0.28	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	216			P
7440-28-0	Thallium	0.94	B		P
7440-62-2	Vanadium	12.1			P
7440-66-6	Zinc	32.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.30g Wet:7.16g Dry:6.94g

FORM I - IN SW846

03/23/99 10:56 008/020

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB62B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931722

Level (low/med): LOW Date Received: 03/18/99

% Solids: 97.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2910			P
7440-36-0	Antimony	0.18	B	N	P
7440-38-2	Arsenic	1.2			P
7440-39-3	Barium	52.1			P
7440-41-7	Beryllium	0.25	B		P
7440-43-9	Cadmium	0.02	U		P
7440-70-2	Calcium	1600			P
7440-47-3	Chromium	4.8			P
7440-48-4	Cobalt	2.1			P
7440-50-8	Copper	4.0			P
7439-89-6	Iron	6240			P
7439-92-1	Lead	5.4		E	P
7439-95-4	Magnesium	960			P
7439-96-5	Manganese	78.1			P
7440-02-0	Nickel	2.6			P
7440-09-7	Potassium	725			P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	191	B		P
7440-28-0	Thallium	0.45	B		P
7440-62-2	Vanadium	11.5			P
7440-66-6	Zinc	20.6			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.29g Wet:6.58g Dry:6.46g

FORM I - IN

SW846

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB62C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931724

Level (low/med): LOW Date Received: 03/18/99

% Solids: 97.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2360			P
7440-36-0	Antimony	0.22	B	N	P
7440-38-2	Arsenic	0.91	B		P
7440-39-3	Barium	43.2			P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.02	U		P
7440-70-2	Calcium	1480			P
7440-47-3	Chromium	7.2			P
7440-48-4	Cobalt	1.8			P
7440-50-8	Copper	5.1			P
7439-89-6	Iron	5080			P
7439-92-1	Lead	6.1		E	P
7439-95-4	Magnesium	746			P
7439-96-5	Manganese	94.5			P
7440-02-0	Nickel	2.4			P
7440-09-7	Potassium	590			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	217			P
7440-28-0	Thallium	0.37	B		P
7440-62-2	Vanadium	8.2			P
7440-66-6	Zinc	17.4			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.31g Wet:6.99g Dry:6.85g

FORM I - IN

SW846

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB62D

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931730

Level (low/med): LOW Date Received: 03/18/99

% Solids: 99.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1020			P
7440-36-0	Antimony	0.18	B	N	P
7440-38-2	Arsenic	68.4			P
7440-39-3	Barium	20.3			P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	12.0			P
7440-70-2	Calcium	442			P
7440-47-3	Chromium	3.7			P
7440-48-4	Cobalt	0.85			P
7440-50-8	Copper	2.6			P
7439-89-6	Iron	4710			P
7439-92-1	Lead	3.2		E	P
7439-95-4	Magnesium	341			P
7439-96-5	Manganese	28.9			P
7440-02-0	Nickel	1.2			P
7440-09-7	Potassium	506			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	173	B		P
7440-28-0	Thallium	14.7			P
7440-62-2	Vanadium	4.6			P
7440-66-6	Zinc	32.7			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.29g Wet:6.71g Dry:6.66g

FORM I - IN SW846

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB63B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931733

Level (low/med): LOW Date Received: 03/18/99

% Solids: 96.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2210			P
7440-36-0	Antimony	0.11	B	N	P
7440-38-2	Arsenic	61.7			P
7440-39-3	Barium	48.5			P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	12.6			P
7440-70-2	Calcium	530			P
7440-47-3	Chromium	7.0			P
7440-48-4	Cobalt	1.2			P
7440-50-8	Copper	12.5			P
7439-89-6	Iron	5670			P
7439-92-1	Lead	4.7		E	P
7439-95-4	Magnesium	63[illegible]			P
7439-96-5	Manganese	36.[illegible]			P
7440-02-0	Nickel	1.6			P
7440-09-7	Potassium	789			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	160	B		P
7440-28-0	Thallium	25.3			P
7440-62-2	Vanadium	6.5			P
7440-66-6	Zinc	82.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:7.08g Dry:6.85g

FORM I - IN

SW846

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB63A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931731

Level (low/med): LOW Date Received: 03/18/99

% Solids: 95.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7200			P
7440-36-0	Antimony	0.21	B	N	P
7440-38-2	Arsenic	23.6			P
7440-39-3	Barium	136			P
7440-41-7	Beryllium	0.58			P
7440-43-9	Cadmium	51.9			P
7440-70-2	Calcium	4280			P
7440-47-3	Chromium	8.7			P
7440-48-4	Cobalt	6.1			P
7440-50-8	Copper	20.6			P
7439-89-6	Iron	10900			P
7439-92-1	Lead	51.6		E	P
7439-95-4	Magnesium	2160			P
7439-96-5	Manganese	341			P
7440-02-0	Nickel	6.8			P
7440-09-7	Potassium	2450			P
7782-49-2	Selenium	0.36	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	281			P
7440-28-0	Thallium	2.4			P
7440-62-2	Vanadium	17.8			P
7440-66-6	Zinc	259			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.28g Wet:7.01g Dry:6.77g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB64A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931734

Level (low/med): LOW Date Received: 03/18/99

% Solids: 77.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9230			P
7440-36-0	Antimony	0.24	B	N	P
7440-38-2	Arsenic	17.6			P
7440-39-3	Barium	153			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	107			P
7440-70-2	Calcium	3210			P
7440-47-3	Chromium	9.6			P
7440-48-4	Cobalt	14.5			P
7440-50-8	Copper	18.4			P
7439-89-6	Iron	14600			P
7439-92-1	Lead	10.5		E	P
7439-95-4	Magnesium	2230			P
7439-96-5	Manganese	595			P
7440-02-0	Nickel	7.1			P
7440-09-7	Potassium	2340			P
7782-49-2	Selenium	0.77			P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	330			P
7440-28-0	Thallium	1.9			P
7440-62-2	Vanadium	22.8			P
7440-66-6	Zinc	483			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:7.25g Dry:5.92g

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB65A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931736

Level (low/med): LOW Date Received: 03/18/99

% Solids: 93.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5940			P
7440-36-0	Antimony	0.17	B	N	P
7440-38-2	Arsenic	14.0			P
7440-39-3	Barium	73.9			P
7440-41-7	Beryllium	0.46	B		P
7440-43-9	Cadmium	36.7			P
7440-70-2	Calcium	1820			P
7440-47-3	Chromium	17.0			P
7440-48-4	Cobalt	2.4			P
7440-50-8	Copper	30.4			P
7439-89-6	Iron	8490			P
7439-92-1	Lead	10.2		E	P
7439-95-4	Magnesium	1410			P
7439-96-5	Manganese	85.9			P
7440-02-0	Nickel	4.0			P
7440-09-7	Potassium	1440			P
7782-49-2	Selenium	0.50	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	252			P
7440-28-0	Thallium	6.0			P
7440-62-2	Vanadium	12.9			P
7440-66-6	Zinc	242			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted Dry Weights Container:1.28g Wet:7.03g Dry:6.64g

FORM I - IN

SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB65B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931738

Level (low/med): LOW Date Received: 03/18/99

% Solids: 97.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1030			P
7440-36-0	Antimony	0.10	U	N	P
7440-38-2	Arsenic	34.6			P
7440-39-3	Barium	11.1			P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	13.7			P
7440-70-2	Calcium	595			P
7440-47-3	Chromium	7.1			P
7440-48-4	Cobalt	1.2			P
7440-50-8	Copper	16.2			P
7439-89-6	Iron	3270			P
7439-92-1	Lead	2.3		E	P
7439-95-4	Magnesium	400			P
7439-96-5	Manganese	25.7			P
7440-02-0	Nickel	2.7			P
7440-09-7	Potassium	165			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	156	B		P
7440-28-0	Thallium	4.2			P
7440-62-2	Vanadium	4.3			P
7440-66-6	Zinc	60.0			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.28g Wet:6.81g Dry:6.68g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB66A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931739

Level (low/med): LOW Date Received: 03/18/99

% Solids: 83.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10400			P
7440-36-0	Antimony	0.39	B	N	P
7440-38-2	Arsenic	62.6			P
7440-39-3	Barium	184			P
7440-41-7	Beryllium	1.0			P
7440-43-9	Cadmium	65.1			P
7440-70-2	Calcium	4550			P
7440-47-3	Chromium	10.5			P
7440-48-4	Cobalt	8.1			P
7440-50-8	Copper	58.9			P
7439-89-6	Iron	14800			P
7439-92-1	Lead	219		E	P
7439-95-4	Magnesium	2460			P
7439-96-5	Manganese	686			P
7440-02-0	Nickel	9.2			P
7440-09-7	Potassium	2850			P
7782-49-2	Selenium	0.67			P
7440-22-4	Silver	0.97			P
7440-23-5	Sodium	234			P
7440-28-0	Thallium	3.1			P
7440-62-2	Vanadium	19.9			P
7440-66-6	Zinc	404			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:7.19g Dry:6.24g

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB66B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931740

Level (low/med): LOW Date Received: 03/18/99

% Solids: 98.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	584			P
7440-36-0	Antimony	0.12	B	N	P
7440-38-2	Arsenic	16.9			P
7440-39-3	Barium	12.1			P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	6.8			P
7440-70-2	Calcium	322			P
7440-47-3	Chromium	3.1			P
7440-48-4	Cobalt	0.34	B		P
7440-50-8	Copper	1.3			P
7439-89-6	Iron	1540			P
7439-92-1	Lead	2.2		E	P
7439-95-4	Magnesium	168			P
7439-96-5	Manganese	10.9			P
7440-02-0	Nickel	0.48	B		P
7440-09-7	Potassium	165			P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	156	B		P
7440-28-0	Thallium	3.0			P
7440-62-2	Vanadium	2.3			P
7440-66-6	Zinc	42.3			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.29g Wet:6.60g Dry:6.50g

FORM I - IN SW846

03/23/99 16:07 070/010

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB67A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931741

Level (low/med): LOW Date Received: 03/18/99

% Solids: 89.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5900			P
7440-36-0	Antimony	0.37	B	N	P
7440-38-2	Arsenic	46.1			P
7440-39-3	Barium	135			P
7440-41-7	Beryllium	0.57			P
7440-43-9	Cadmium	67.8			P
7440-70-2	Calcium	3580			P
7440-47-3	Chromium	6.7			P
7440-48-4	Cobalt	4.6			P
7440-50-8	Copper	30.2			P
7439-89-6	Iron	9010			P
7439-92-1	Lead	113		E	P
7439-95-4	Magnesium	1710			P
7439-96-5	Manganese	287			P
7440-02-0	Nickel	6.8			P
7440-09-7	Potassium	1770			P
7782-49-2	Selenium	0.38	B		P
7440-22-4	Silver	0.47	B		P
7440-23-5	Sodium	258			P
7440-28-0	Thallium	1.6			P
7440-62-2	Vanadium	14.3			P
7440-66-6	Zinc	404			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted Dry Weights Container:1.29g Wet:6.81g Dry:6.25g

FORM I - IN

SW846

03/23/99 16:02 020/810

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB67B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931742

Level (low/med): LOW Date Received: 03/18/99

% Solids: 78.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9430			P
7440-36-0	Antimony	0.24	B	N	P
7440-38-2	Arsenic	3.9			P
7440-39-3	Barium	163			P
7440-41-7	Beryllium	0.86			P
7440-43-9	Cadmium	41.5			P
7440-70-2	Calcium	3140			P
7440-47-3	Chromium	11.2			P
7440-48-4	Cobalt	7.5			P
7440-50-8	Copper	15.1			P
7439-89-6	Iron	14300			P
7439-92-1	Lead	10.7		E	P
7439-95-4	Magnesium	2470			P
7439-96-5	Manganese	161			P
7440-02-0	Nickel	7.7			P
7440-09-7	Potassium	2510			P
7782-49-2	Selenium	0.53	B		P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	385			P
7440-28-0	Thallium	1.9			P
7440-62-2	Vanadium	22.0			P
7440-66-6	Zinc	283			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.31g Dry:5.22g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB68A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00001

Matrix (soil/water): SOIL Lab Sample ID: 931743

Level (low/med): LOW Date Received: 03/18/99

% Solids: 97.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5370			P
7440-36-0	Antimony	0.24	B	N	P
7440-38-2	Arsenic	1.6			P
7440-39-3	Barium	92.2			P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.02	U		P
7440-70-2	Calcium	3250			P
7440-47-3	Chromium	8.6			P
7440-48-4	Cobalt	3.6			P
7440-50-8	Copper	7.3			P
7439-89-6	Iron	10600			P
7439-92-1	Lead	5.6		E	P
7439-95-4	Magnesium	1880			P
7439-96-5	Manganese	114			P
7440-02-0	Nickel	8.4			P
7440-09-7	Potassium	1210			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	590			P
7440-28-0	Thallium	1.1			P
7440-62-2	Vanadium	17.2			P
7440-66-6	Zinc	32.1			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.85g Dry:6.71g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB68B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931744

Level (low/med): LOW Date Received: 03/18/99

% Solids: 99.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1700			P
7440-36-0	Antimony	0.17	B	N	P
7440-38-2	Arsenic	41.5		E	P
7440-39-3	Barium	42.7			P
7440-41-7	Beryllium	0.25	B		P
7440-43-9	Cadmium	14.4			P
7440-70-2	Calcium	771			P
7440-47-3	Chromium	4.8		E	P
7440-48-4	Cobalt	1.3			P
7440-50-8	Copper	14.2			P
7439-89-6	Iron	6640			P
7439-92-1	Lead	3.5		N	P
7439-95-4	Magnesium	465			P
7439-96-5	Manganese	67.7			P
7440-02-0	Nickel	1.8			P
7440-09-7	Potassium	372			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	171	B		P
7440-28-0	Thallium	7.4		N	P
7440-62-2	Vanadium	8.9		E	P
7440-66-6	Zinc	51.5			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.97g Dry:6.94g

Duplicate (HPSB68BD)

FORM I - IN SW846

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB68C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931749

Level (low/med): LOW Date Received: 03/18/99

% Solids: 98.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	307			P
7440-36-0	Antimony	0.28	B	N	P
7440-38-2	Arsenic	27.5		E	P
7440-39-3	Barium	19.2			P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	4.3			P
7440-70-2	Calcium	124			P
7440-47-3	Chromium	1.4		E	P
7440-48-4	Cobalt	0.10	B		P
7440-50-8	Copper	39.2			P
7439-89-6	Iron	998			P
7439-92-1	Lead	20.3		N	P
7439-95-4	Magnesium	49.1	B		P
7439-96-5	Manganese	5.0			P
7440-02-0	Nickel	0.13	B		P
7440-09-7	Potassium	105			P
7782-49-2	Selenium	0.34	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	132	B		P
7440-28-0	Thallium	3.9		N	P
7440-62-2	Vanadium	0.87	B	E	P
7440-66-6	Zinc	14.0			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.28g Wet:6.72g Dry:6.65g

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB69A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931750

Level (low/med): LOW Date Received: 03/18/99

% Solids: 90.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3860			P
7440-36-0	Antimony	0.23	B	N	P
7440-38-2	Arsenic	2.0		E	P
7440-39-3	Barium	92.7			P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	0.08	B		P
7440-70-2	Calcium	5340			P
7440-47-3	Chromium	4.6		E	P
7440-48-4	Cobalt	3.3			P
7440-50-8	Copper	21.5			P
7439-89-6	Iron	6560			P
7439-92-1	Lead	73.1		N	P
7439-95-4	Magnesium	1120			P
7439-96-5	Manganese	154			P
7440-02-0	Nickel	4.6			P
7440-09-7	Potassium	778			P
7782-49-2	Selenium	0.39	B		P
7440-22-4	Silver	0.15	B		P
7440-23-5	Sodium	317			P
7440-28-0	Thallium	0.47	B	N	P
7440-62-2	Vanadium	9.6		E	P
7440-66-6	Zinc	77.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.31g Wet:7.09g Dry:6.56g

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SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB69B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931751

Level (low/med): LOW Date Received: 03/18/99

% Solids: 94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8900			P
7440-36-0	Antimony	0.41	B	N	P
7440-38-2	Arsenic	32.4		E	P
7440-39-3	Barium	149			P
7440-41-7	Beryllium	0.65			P
7440-43-9	Cadmium	8.4			P
7440-70-2	Calcium	6570			P
7440-47-3	Chromium	12.4		E	P
7440-48-4	Cobalt	5.8			P
7440-50-8	Copper	28.9			P
7439-89-6	Iron	13400			P
7439-92-1	Lead	85.4		N	P
7439-95-4	Magnesium	2780			P
7439-96-5	Manganese	244			P
7440-02-0	Nickel	8.3			P
7440-09-7	Potassium	2360			P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.29	B		P
7440-23-5	Sodium	379			P
7440-28-0	Thallium	1.3		N	P
7440-62-2	Vanadium	19.5		E	P
7440-66-6	Zinc	81.0			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:7.09g Dry:6.77g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB69C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931752

Level (low/med): LOW Date Received: 03/18/99

% Solids: 99.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2500			P
7440-36-0	Antimony	0.10	U	N	P
7440-38-2	Arsenic	1.2		E	P
7440-39-3	Barium	39.5			P
7440-41-7	Beryllium	0.23	B		P
7440-43-9	Cadmium	0.02	U		P
7440-70-2	Calcium	1300			P
7440-47-3	Chromium	9.1		E	P
7440-48-4	Cobalt	2.0			P
7440-50-8	Copper	4.4			P
7439-89-6	Iron	6060			P
7439-92-1	Lead	4.8		N	P
7439-95-4	Magnesium	917			P
7439-96-5	Manganese	102			P
7440-02-0	Nickel	2.7			P
7440-09-7	Potassium	742			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	209			P
7440-28-0	Thallium	0.45	B	N	P
7440-62-2	Vanadium	8.0		E	P
7440-66-6	Zinc	17.8			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:7.17g Dry:7.15g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB69D

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931754

Level (low/med): LOW Date Received: 03/18/99

% Solids: 98.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3750			P
7440-36-0	Antimony	0.10	B	N	P
7440-38-2	Arsenic	6.6		E	P
7440-39-3	Barium	68.0			P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	7.1			P
7440-70-2	Calcium	1330			P
7440-47-3	Chromium	10.3		E	P
7440-48-4	Cobalt	2.5			P
7440-50-8	Copper	10.5			P
7439-89-6	Iron	7830			P
7439-92-1	Lead	5.1		N	P
7439-95-4	Magnesium	1260			P
7439-96-5	Manganese	107			P
7440-02-0	Nickel	3.4			P
7440-09-7	Potassium	1070			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	262			P
7440-28-0	Thallium	2.7		N	P
7440-62-2	Vanadium	10.7		E	P
7440-66-6	Zinc	65.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.30g Wet:7.11g Dry:7.00g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB69E

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931756

Level (low/med): LOW Date Received: 03/18/99

% Solids: 87.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	645			P
7440-36-0	Antimony	0.41	B	N	P
7440-38-2	Arsenic	126		E	P
7440-39-3	Barium	19.0			P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	16.8			P
7440-70-2	Calcium	259			P
7440-47-3	Chromium	6.2		E	P
7440-48-4	Cobalt	0.50	B		P
7440-50-8	Copper	7.9			P
7439-89-6	Iron	3980			P
7439-92-1	Lead	12.6		N	P
7439-95-4	Magnesium	178			P
7439-96-5	Manganese	21.7			P
7440-02-0	Nickel	0.72			P
7440-09-7	Potassium	356			P
7782-49-2	Selenium	0.29	U		P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	182	B		P
7440-28-0	Thallium	11.9		N	P
7440-62-2	Vanadium	3.8		E	P
7440-66-6	Zinc	34.3			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.28g Wet:6.56g Dry:5.91g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB72A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931759

Level (low/med): LOW Date Received: 03/18/99

% Solids: 90.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6530			P
7440-36-0	Antimony	0.81	B	N	P
7440-38-2	Arsenic	32.3		E	P
7440-39-3	Barium	211			P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	18.5			P
7440-70-2	Calcium	7230			P
7440-47-3	Chromium	12.8		E	P
7440-48-4	Cobalt	6.1			P
7440-50-8	Copper	106			P
7439-89-6	Iron	23200			P
7439-92-1	Lead	236		N	P
7439-95-4	Magnesium	1930			P
7439-96-5	Manganese	423			P
7440-02-0	Nickel	12.7			P
7440-09-7	Potassium	1730			P
7782-49-2	Selenium	0.64			P
7440-22-4	Silver	1.2			P
7440-23-5	Sodium	430			P
7440-28-0	Thallium	2.1		N	P
7440-62-2	Vanadium	19.2		E	P
7440-66-6	Zinc	335			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.27g Wet:6.90g Dry:6.36g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB72B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931760

Level (low/med): LOW Date Received: 03/18/99

% Solids: 90.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4720			P
7440-36-0	Antimony	0.45	B	N	P
7440-38-2	Arsenic	47.3		E	P
7440-39-3	Barium	136			P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	21.5			P
7440-70-2	Calcium	5480			P
7440-47-3	Chromium	6.4		E	P
7440-48-4	Cobalt	5.2			P
7440-50-8	Copper	56.6			P
7439-89-6	Iron	8150			P
7439-92-1	Lead	237		N	P
7439-95-4	Magnesium	1490			P
7439-96-5	Manganese	236			P
7440-02-0	Nickel	6.4			P
7440-09-7	Potassium	1400			P
7782-49-2	Selenium	0.49	B		P
7440-22-4	Silver	1.3			P
7440-23-5	Sodium	331			P
7440-28-0	Thallium	1.0	B	N	P
7440-62-2	Vanadium	13.6		E	P
7440-66-6	Zinc	220			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.28g Wet:6.90g Dry:6.38g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB72C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931763

Level (low/med): LOW Date Received: 03/18/99

% Solids: 87.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5630			P
7440-36-0	Antimony	0.50	B	N	P
7440-38-2	Arsenic	19.3		E	P
7440-39-3	Barium	158			P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	11.4			P
7440-70-2	Calcium	6630			P
7440-47-3	Chromium	7.5		E	P
7440-48-4	Cobalt	4.9			P
7440-50-8	Copper	48.7			P
7439-89-6	Iron	9680			P
7439-92-1	Lead	168		N	P
7439-95-4	Magnesium	1770			P
7439-96-5	Manganese	283			P
7440-02-0	Nickel	6.9			P
7440-09-7	Potassium	1510			P
7782-49-2	Selenium	0.44	B		P
7440-22-4	Silver	0.48	B		P
7440-23-5	Sodium	463			P
7440-28-0	Thallium	0.91	B	N	P
7440-62-2	Vanadium	16.7		E	P
7440-66-6	Zinc	310			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.31g Wet:7.10g Dry:6.37g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB72F

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931767

Level (low/med): LOW Date Received: 03/18/99

% Solids: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6890			P
7440-36-0	Antimony	0.68	B	N	P
7440-38-2	Arsenic	77.8		E	P
7440-39-3	Barium	151			P
7440-41-7	Beryllium	0.60			P
7440-43-9	Cadmium	68.7			P
7440-70-2	Calcium	3580			P
7440-47-3	Chromium	9.8		E	P
7440-48-4	Cobalt	5.0			P
7440-50-8	Copper	62.3			P
7439-89-6	Iron	11100			P
7439-92-1	Lead	192		N	P
7439-95-4	Magnesium	2360			P
7439-96-5	Manganese	105			P
7440-02-0	Nickel	7.6			P
7440-09-7	Potassium	2310			P
7782-49-2	Selenium	0.58			P
7440-22-4	Silver	0.94			P
7440-23-5	Sodium	628			P
7440-28-0	Thallium	17.0		N	P
7440-62-2	Vanadium	18.4		E	P
7440-66-6	Zinc	282			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.98g Dry:6.15g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB72E

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931766

Level (low/med): LOW Date Received: 03/18/99

% Solids: 81.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8480			P
7440-36-0	Antimony	1.6		N	P
7440-38-2	Arsenic	339		E	P
7440-39-3	Barium	348			P
7440-41-7	Beryllium	0.67			P
7440-43-9	Cadmium	128			P
7440-70-2	Calcium	9260			P
7440-47-3	Chromium	11.4		E	P
7440-48-4	Cobalt	8.2			P
7440-50-8	Copper	269			P
7439-89-6	Iron	15700			P
7439-92-1	Lead	1380		N	P
7439-95-4	Magnesium	2410			P
7439-96-5	Manganese	686			P
7440-02-0	Nickel	11.1			P
7440-09-7	Potassium	2820			P
7782-49-2	Selenium	1.5			P
7440-22-4	Silver	9.3			P
7440-23-5	Sodium	967			P
7440-28-0	Thallium	3.8		N	P
7440-62-2	Vanadium	19.4		E	P
7440-66-6	Zinc	751			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.60g Dry:5.64g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB73A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931768

Level (low/med): LOW Date Received: 03/18/99

% Solids: 88.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12000			P
7440-36-0	Antimony	0.40	B	N	P
7440-38-2	Arsenic	10.6		E	P
7440-39-3	Barium	229			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	16.4			P
7440-70-2	Calcium	7340			P
7440-47-3	Chromium	12.6		E	P
7440-48-4	Cobalt	8.9			P
7440-50-8	Copper	28.3			P
7439-89-6	Iron	15600			P
7439-92-1	Lead	48.4		N	P
7439-95-4	Magnesium	3850			P
7439-96-5	Manganese	625			P
7440-02-0	Nickel	13.1			P
7440-09-7	Potassium	3600			P
7782-49-2	Selenium	0.41	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	774			P
7440-28-0	Thallium	1.7		N	P
7440-62-2	Vanadium	24.0		E	P
7440-66-6	Zinc	171			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.28g Wet:7.00g Dry:6.32g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB73B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931769

Level (low/med): LOW Date Received: 03/18/99

% Solids: 94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3440			P
7440-36-0	Antimony	0.41	B	N	P
7440-38-2	Arsenic	24.0		E	P
7440-39-3	Barium	100			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	4.3			P
7440-70-2	Calcium	2420			P
7440-47-3	Chromium	6.2		E	P
7440-48-4	Cobalt	3.2			P
7440-50-8	Copper	21.7			P
7439-89-6	Iron	6580			P
7439-92-1	Lead	110		N	P
7439-95-4	Magnesium	1190			P
7439-96-5	Manganese	150			P
7440-02-0	Nickel	3.8			P
7440-09-7	Potassium	940			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.40	B		P
7440-23-5	Sodium	347			P
7440-28-0	Thallium	0.66	B	N	P
7440-62-2	Vanadium	9.7		E	P
7440-66-6	Zinc	68.6			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:6.58g Dry:6.31g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB73C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931770

Level (low/med): LOW Date Received: 03/18/99

% Solids: 99.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	421			P
7440-36-0	Antimony	0.10	U	N	P
7440-38-2	Arsenic	0.46	B	E	P
7440-39-3	Barium	8.5			P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium	0.02	U		P
7440-70-2	Calcium	286			P
7440-47-3	Chromium	1.1		E	P
7440-48-4	Cobalt	0.63			P
7440-50-8	Copper	0.80			P
7439-89-6	Iron	1330			P
7439-92-1	Lead	1.4		N	P
7439-95-4	Magnesium	115			P
7439-96-5	Manganese	34.2			P
7440-02-0	Nickel	0.58			P
7440-09-7	Potassium	88.0	B		P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	119	B		P
7440-28-0	Thallium	0.24	U	N	P
7440-62-2	Vanadium	1.8	B	E	P
7440-66-6	Zinc	4.0			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.92g Dry:6.90g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB73D

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931771

Level (low/med): LOW Date Received: 03/18/99

% Solids: 99.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	719			P
7440-36-0	Antimony	0.12	B	N	P
7440-38-2	Arsenic	0.44	B	E	P
7440-39-3	Barium	16.4			P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	1.2			P
7440-70-2	Calcium	395			P
7440-47-3	Chromium	1.8		E	P
7440-48-4	Cobalt	0.90			P
7440-50-8	Copper	1.6			P
7439-89-6	Iron	2100			P
7439-92-1	Lead	1.9		N	P
7439-95-4	Magnesium	196			P
7439-96-5	Manganese	54.0			P
7440-02-0	Nickel	0.72			P
7440-09-7	Potassium	153			P
7782-49-2	Selenium	0.24	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	132	B		P
7440-28-0	Thallium	0.22	U	N	P
7440-62-2	Vanadium	2.8		E	P
7440-66-6	Zinc	14.6			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:6.86g Dry:6.83g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB73E

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931772

Level (low/med): LOW Date Received: 03/18/99

% Solids: 99.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	948			P
7440-36-0	Antimony	0.10	U	N	P
7440-38-2	Arsenic	3.0		E	P
7440-39-3	Barium	23.3			P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	1.9			P
7440-70-2	Calcium	479			P
7440-47-3	Chromium	4.5		E	P
7440-48-4	Cobalt	1.1			P
7440-50-8	Copper	2.5			P
7439-89-6	Iron	3840			P
7439-92-1	Lead	3.1		N	P
7439-95-4	Magnesium	279			P
7439-96-5	Manganese	61.8			P
7440-02-0	Nickel	1.2			P
7440-09-7	Potassium	388			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	187	B		P
7440-28-0	Thallium	3.0		N	P
7440-62-2	Vanadium	4.8		E	P
7440-66-6	Zinc	14.7			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:7.12g Dry:7.11g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB74A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931773

Level (low/med): LOW Date Received: 03/18/99

% Solids: 95.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5040			P
7440-36-0	Antimony	0.35	B	N	P
7440-38-2	Arsenic	8.1		E	P
7440-39-3	Barium	97.8			P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	3.5			P
7440-70-2	Calcium	3100			P
7440-47-3	Chromium	9.6		E	P
7440-48-4	Cobalt	4.4			P
7440-50-8	Copper	106			P
7439-89-6	Iron	11400			P
7439-92-1	Lead	77.7		N	P
7439-95-4	Magnesium	1750			P
7439-96-5	Manganese	217			P
7440-02-0	Nickel	8.2			P
7440-09-7	Potassium	1600			P
7782-49-2	Selenium	0.50			P
7440-22-4	Silver	0.69			P
7440-23-5	Sodium	252			P
7440-28-0	Thallium	1.2		N	P
7440-62-2	Vanadium	18.0		E	P
7440-66-6	Zinc	225			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.28g Wet:6.98g Dry:6.74g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB74B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931774

Level (low/med): LOW Date Received: 03/18/99

% Solids: 87.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7720			P
7440-36-0	Antimony	0.66	B	N	P
7440-38-2	Arsenic	8.7		E	P
7440-39-3	Barium	191			P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	2.5			P
7440-70-2	Calcium	7260			P
7440-47-3	Chromium	19.0		E	P
7440-48-4	Cobalt	6.3			P
7440-50-8	Copper	81.4			P
7439-89-6	Iron	14100			P
7439-92-1	Lead	179		N	P
7439-95-4	Magnesium	2430			P
7439-96-5	Manganese	333			P
7440-02-0	Nickel	12.3			P
7440-09-7	Potassium	2170			P
7782-49-2	Selenium	0.45	B		P
7440-22-4	Silver	0.82			P
7440-23-5	Sodium	379			P
7440-28-0	Thallium	1.1	B	N	P
7440-62-2	Vanadium	20.6		E	P
7440-66-6	Zinc	282			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.90g Dry:6.17g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB74C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931775

Level (low/med): LOW Date Received: 03/18/99

% Solids: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3870			P
7440-36-0	Antimony	0.19	B	N	P
7440-38-2	Arsenic	2.7		E	P
7440-39-3	Barium	76.5			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.98			P
7440-70-2	Calcium	3640			P
7440-47-3	Chromium	7.8		E	P
7440-48-4	Cobalt	3.0			P
7440-50-8	Copper	21.0			P
7439-89-6	Iron	7230			P
7439-92-1	Lead	39.7		N	P
7439-95-4	Magnesium	1440			P
7439-96-5	Manganese	144			P
7440-02-0	Nickel	5.9			P
7440-09-7	Potassium	1200			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.05	B		P
7440-23-5	Sodium	304			P
7440-28-0	Thallium	0.42	B	N	P
7440-62-2	Vanadium	14.6		E	P
7440-66-6	Zinc	69.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:6.62g Dry:6.33g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB74C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931775

Level (low/med): LOW Date Received: 03/18/99

% Solids: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3870			P
7440-36-0	Antimony	0.19	B	N	P
7440-38-2	Arsenic	2.7		E	P
7440-39-3	Barium	76.5			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.98			P
7440-70-2	Calcium	3640			P
7440-47-3	Chromium	7.8		E	P
7440-48-4	Cobalt	3.0			P
7440-50-8	Copper	21.0			P
7439-89-6	Iron	7230			P
7439-92-1	Lead	39.7		N	P
7439-95-4	Magnesium	1440			P
7439-96-5	Manganese	144			P
7440-02-0	Nickel	5.9			P
7440-09-7	Potassium	1200			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.05	B		P
7440-23-5	Sodium	304			P
7440-28-0	Thallium	0.42	B	N	P
7440-62-2	Vanadium	14.6		E	P
7440-66-6	Zinc	69.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:6.62g Dry:6.33g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB74C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00002

Matrix (soil/water): SOIL Lab Sample ID: 931775

Level (low/med): LOW Date Received: 03/18/99

% Solids: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3870			P
7440-36-0	Antimony	0.19	B	N	P
7440-38-2	Arsenic	2.7		E	P
7440-39-3	Barium	76.5			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.98			P
7440-70-2	Calcium	3640			P
7440-47-3	Chromium	7.8		E	P
7440-48-4	Cobalt	3.0			P
7440-50-8	Copper	21.0			P
7439-89-6	Iron	7230			P
7439-92-1	Lead	39.7		N	P
7439-95-4	Magnesium	1440			P
7439-96-5	Manganese	144			P
7440-02-0	Nickel	5.9			P
7440-09-7	Potassium	1200			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.05	B		P
7440-23-5	Sodium	304			P
7440-28-0	Thallium	0.42	B	N	P
7440-62-2	Vanadium	14.6		E	P
7440-66-6	Zinc	69.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.29g Wet:6.62g Dry:6.33g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB74D

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931776

Level (low/med): LOW Date Received: 03/18/99

% Solids: 91.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3600			P
7440-36-0	Antimony	0.40	B	N	P
7440-38-2	Arsenic	114			P
7440-39-3	Barium	83.8			P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	52.1		*	P
7440-70-2	Calcium	3490		*	P
7440-47-3	Chromium	7.7		*	P
7440-48-4	Cobalt	3.5			P
7440-50-8	Copper	24.6			P
7439-89-6	Iron	6820			P
7439-92-1	Lead	143		*	P
7439-95-4	Magnesium	1150			P
7439-96-5	Manganese	157		N	P
7440-02-0	Nickel	4.8			P
7440-09-7	Potassium	1030			P
7782-49-2	Selenium	0.52	B		P
7440-22-4	Silver	0.46	B		P
7440-23-5	Sodium	314			P
7440-28-0	Thallium	3.1			P
7440-62-2	Vanadium	12.7			P
7440-66-6	Zinc	107		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:6.58g Dry:6.15g

Duplicate (HPSB74DD)

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB78A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931781

Level (low/med): LOW Date Received: 03/18/99

% Solids: 97.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1570			P
7440-36-0	Antimony	0.10	U	N	P
7440-38-2	Arsenic	1.3			P
7440-39-3	Barium	42.9			P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.24	B	*	P
7440-70-2	Calcium	4550		*	P
7440-47-3	Chromium	2.6		*	P
7440-48-4	Cobalt	3.5			P
7440-50-8	Copper	3.8			P
7439-89-6	Iron	2090			P
7439-92-1	Lead	11.0		*	P
7439-95-4	Magnesium	426			P
7439-96-5	Manganese	83.9		N	P
7440-02-0	Nickel	1.6			P
7440-09-7	Potassium	373			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	150	B		P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	5.2			P
7440-66-6	Zinc	14.4		N	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:6.94g Dry:6.77g

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SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB78B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931782

Level (low/med): LOW Date Received: 03/18/99

% Solids: 93.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4180			P
7440-36-0	Antimony	0.78	B	N	P
7440-38-2	Arsenic	127			P
7440-39-3	Barium	115			P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	77.5		*	P
7440-70-2	Calcium	2110		*	P
7440-47-3	Chromium	6.5		*	P
7440-48-4	Cobalt	3.8			P
7440-50-8	Copper	94.8			P
7439-89-6	Iron	7810			P
7439-92-1	Lead	319		*	P
7439-95-4	Magnesium	1270			P
7439-96-5	Manganese	174		N	P
7440-02-0	Nickel	4.6			P
7440-09-7	Potassium	1660			P
7782-49-2	Selenium	3.0			P
7440-22-4	Silver	1.9			P
7440-23-5	Sodium	232			P
7440-28-0	Thallium	15.2			P
7440-62-2	Vanadium	11.5			P
7440-66-6	Zinc	154		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:7.00g Dry:6.63g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB79A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931783

Level (low/med): LOW Date Received: 03/18/99

% Solids: 98.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7070			P
7440-36-0	Antimony	0.23	B	N	P
7440-38-2	Arsenic	29.6			P
7440-39-3	Barium	134			P
7440-41-7	Beryllium	0.54			P
7440-43-9	Cadmium	13.1		*	P
7440-70-2	Calcium	7550		*	P
7440-47-3	Chromium	8.7		*	P
7440-48-4	Cobalt	6.0			P
7440-50-8	Copper	35.4			P
7439-89-6	Iron	10600			P
7439-92-1	Lead	127		*	P
7439-95-4	Magnesium	2420			P
7439-96-5	Manganese	288		N	P
7440-02-0	Nickel	7.7			P
7440-09-7	Potassium	2200			P
7782-49-2	Selenium	0.52			P
7440-22-4	Silver	0.65			P
7440-23-5	Sodium	450			P
7440-28-0	Thallium	1.2			P
7440-62-2	Vanadium	17.9			P
7440-66-6	Zinc	156		N	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.28g Wet:6.80g Dry:6.73g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB79B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931784

Level (low/med): LOW Date Received: 03/18/99

% Solids: 90.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7640			P
7440-36-0	Antimony	0.71	B	N	P
7440-38-2	Arsenic	131			P
7440-39-3	Barium	149			P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	33.5		*	P
7440-70-2	Calcium	10000		*	P
7440-47-3	Chromium	16.7		*	P
7440-48-4	Cobalt	4.5			P
7440-50-8	Copper	176			P
7439-89-6	Iron	11800			P
7439-92-1	Lead	310		*	P
7439-95-4	Magnesium	2150			P
7439-96-5	Manganese	192		N	P
7440-02-0	Nickel	7.8			P
7440-09-7	Potassium	2240			P
7782-49-2	Selenium	1.4			P
7440-22-4	Silver	2.1			P
7440-23-5	Sodium	463			P
7440-28-0	Thallium	15.1			P
7440-62-2	Vanadium	22.3			P
7440-66-6	Zinc	177		N	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:7.20g Dry:6.62g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB79D

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931785

Level (low/med): LOW Date Received: 03/18/99

% Solids: 82.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2650			P
7440-36-0	Antimony	0.33	B	N	P
7440-38-2	Arsenic	10.3			P
7440-39-3	Barium	50.8			P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	50.1		*	P
7440-70-2	Calcium	3080		*	P
7440-47-3	Chromium	6.3		*	P
7440-48-4	Cobalt	2.3			P
7440-50-8	Copper	79.5			P
7439-89-6	Iron	4660			P
7439-92-1	Lead	24.0		*	P
7439-95-4	Magnesium	834			P
7439-96-5	Manganese	94.0		N	P
7440-02-0	Nickel	3.0			P
7440-09-7	Potassium	673			P
7782-49-2	Selenium	0.34	B		P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	267			P
7440-28-0	Thallium	1.8			P
7440-62-2	Vanadium	7.7			P
7440-66-6	Zinc	168		N	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted_Dry_Weights Container:1.31g Wet:7.00g Dry:6.01g

03/23/99 18:23 008/022

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB80A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931786

Level (low/med): LOW Date Received: 03/18/99

% Solids: 80.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10800			P
7440-36-0	Antimony	0.88	B	N	P
7440-38-2	Arsenic	149			P
7440-39-3	Barium	220			P
7440-41-7	Beryllium	0.71			P
7440-43-9	Cadmium	53.5		*	P
7440-70-2	Calcium	2860		*	P
7440-47-3	Chromium	11.3		*	P
7440-48-4	Cobalt	5.9			P
7440-50-8	Copper	66.4			P
7439-89-6	Iron	16400			P
7439-92-1	Lead	445		*	P
7439-95-4	Magnesium	2660			P
7439-96-5	Manganese	206		N	P
7440-02-0	Nickel	8.5			P
7440-09-7	Potassium	3420			P
7782-49-2	Selenium	0.84			P
7440-22-4	Silver	3.6			P
7440-23-5	Sodium	463			P
7440-28-0	Thallium	11.2			P
7440-62-2	Vanadium	18.3			P
7440-66-6	Zinc	346		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.95g Dry:5.85g

FORM I - IN SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB80B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931787

Level (low/med): LOW Date Received: 03/18/99

% Solids: 97.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	987			P
7440-36-0	Antimony	0.10	U	N	P
7440-38-2	Arsenic	5.6			P
7440-39-3	Barium	23.3			P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	7.5		*	P
7440-70-2	Calcium	484		*	P
7440-47-3	Chromium	2.3		*	P
7440-48-4	Cobalt	0.82			P
7440-50-8	Copper	2.9			P
7439-89-6	Iron	2610			P
7439-92-1	Lead	10.5		*	P
7439-95-4	Magnesium	273			P
7439-96-5	Manganese	41.9		N	P
7440-02-0	Nickel	0.99			P
7440-09-7	Potassium	247			P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	153	B		P
7440-28-0	Thallium	0.30	B		P
7440-62-2	Vanadium	4.1			P
7440-66-6	Zinc	49.9		N	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.29g Wet:6.72g Dry:6.60g

FORM I - IN SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB81A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931788

Level (low/med): LOW Date Received: 03/18/99

% Solids: 81.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10000			P
7440-36-0	Antimony	0.86	B	N	P
7440-38-2	Arsenic	160			P
7440-39-3	Barium	250			P
7440-41-7	Beryllium	0.93			P
7440-43-9	Cadmium	1310		*	P
7440-70-2	Calcium	4140		*	P
7440-47-3	Chromium	10.3		*	P
7440-48-4	Cobalt	8.3			P
7440-50-8	Copper	150			P
7439-89-6	Iron	15100			P
7439-92-1	Lead	707		*	P
7439-95-4	Magnesium	2970			P
7439-96-5	Manganese	387		N	P
7440-02-0	Nickel	12.0			P
7440-09-7	Potassium	3310			P
7782-49-2	Selenium	0.70			P
7440-22-4	Silver	4.9			P
7440-23-5	Sodium	438			P
7440-28-0	Thallium	10.8			P
7440-62-2	Vanadium	21.4			P
7440-66-6	Zinc	1020		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted Dry Weights Container:1.26g Wet:6.90g Dry:5.83g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB81B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931789

Level (low/med): LOW Date Received: 03/18/99

% Solids: 97.4

Concentration Units (µg/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	714			P
7440-36-0	Antimony	0.12	B	N	P
7440-38-2	Arsenic	1.7			P
7440-39-3	Barium	15.2			P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium	21.6		*	P
7440-70-2	Calcium	377		*	P
7440-47-3	Chromium	1.3		*	P
7440-48-4	Cobalt	0.70			P
7440-50-8	Copper	1.4			P
7439-89-6	Iron	1570			P
7439-92-1	Lead	2.9		*	P
7439-95-4	Magnesium	209			P
7439-96-5	Manganese	71.0		N	P
7440-02-0	Nickel	0.71			P
7440-09-7	Potassium	160			P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	118	B		P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	3.1			P
7440-66-6	Zinc	36.5		N	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.30g Wet:7.06g Dry:6.91g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB82A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931790

Level (low/med): LOW Date Received: 03/18/99

% Solids: 92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5660			P
7440-36-0	Antimony	0.22	B	N	P
7440-38-2	Arsenic	2.8			P
7440-39-3	Barium	103			P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	1.2		*	P
7440-70-2	Calcium	13400		*	P
7440-47-3	Chromium	7.8		*	P
7440-48-4	Cobalt	3.4			P
7440-50-8	Copper	17.9			P
7439-89-6	Iron	7480			P
7439-92-1	Lead	40.2		*	P
7439-95-4	Magnesium	2360			P
7439-96-5	Manganese	206		N	P
7440-02-0	Nickel	6.6			P
7440-09-7	Potassium	1590			P
7782-49-2	Selenium	0.34	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	280			P
7440-28-0	Thallium	0.47	B		P
7440-62-2	Vanadium	13.3			P
7440-66-6	Zinc	66.3		N	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights___Container:1.33g__Wet:6.97g__Dry:6.57g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB82C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931791

Level (low/med): LOW Date Received: 03/18/99

% Solids: 82.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7390			P
7440-36-0	Antimony	0.44	B	N	P
7440-38-2	Arsenic	45.9			P
7440-39-3	Barium	144			P
7440-41-7	Beryllium	0.61	B		P
7440-43-9	Cadmium	4.0		*	P
7440-70-2	Calcium	14800		*	P
7440-47-3	Chromium	9.9		*	P
7440-48-4	Cobalt	5.3			P
7440-50-8	Copper	26.4			P
7439-89-6	Iron	10700			P
7439-92-1	Lead	82.2		*	P
7439-95-4	Magnesium	2290			P
7439-96-5	Manganese	329		N	P
7440-02-0	Nickel	7.9			P
7440-09-7	Potassium	2000			P
7782-49-2	Selenium	0.35	B		P
7440-22-4	Silver	0.37	B		P
7440-23-5	Sodium	366			P
7440-28-0	Thallium	1.0	B		P
7440-62-2	Vanadium	20.4			P
7440-66-6	Zinc	74.6		N	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.30g Wet:7.15g Dry:6.12g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB82D

ab Name: COMPUCHEM Contract: SW-846

ab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

atrix (soil/water): SOIL Lab Sample ID: 931792

evel (low/med): LOW Date Received: 03/18/99

Solids: 91.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2140			P
7440-36-0	Antimony	0.11	U	N	P
7440-38-2	Arsenic	1.1	B		P
7440-39-3	Barium	42.2			P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	3.3		*	P
7440-70-2	Calcium	3550		*	P
7440-47-3	Chromium	3.6		*	P
7440-48-4	Cobalt	1.5			P
7440-50-8	Copper	5.6			P
7439-89-6	Iron	3640			P
7439-92-1	Lead	5.0		*	P
7439-95-4	Magnesium	802			P
7439-96-5	Manganese	47.3		N	P
7440-02-0	Nickel	2.4			P
7440-09-7	Potassium	555			P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	225			P
7440-28-0	Thallium	0.26	U		P
7440-62-2	Vanadium	7.1			P
7440-66-6	Zinc	25.2		N	P

olor Before: BROWN Clarity Before: Texture: MEDIUM

olor After: YELLOW Clarity After: Artifacts:

omments:

Undecanted Dry Weights Container:1.31g Wet:6.88g Dry:6.41g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB83A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931793

Level (low/med): LOW Date Received: 03/18/99

% Solids: 88.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6780			P
7440-36-0	Antimony	0.19	B	N	P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	93.5			P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	0.03	B	*	P
7440-70-2	Calcium	7560		*	P
7440-47-3	Chromium	6.9		*	P
7440-48-4	Cobalt	3.8			P
7440-50-8	Copper	16.6			P
7439-89-6	Iron	8570			P
7439-92-1	Lead	16.5		*	P
7439-95-4	Magnesium	2250			P
7439-96-5	Manganese	259		N	P
7440-02-0	Nickel	8.0			P
7440-09-7	Potassium	1470			P
7782-49-2	Selenium	0.30	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	330			P
7440-28-0	Thallium	0.70	B		P
7440-62-2	Vanadium	13.5			P
7440-66-6	Zinc	45.0		N	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:7.20g Dry:6.51g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB83B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931794

Level (low/med): LOW Date Received: 03/18/99

% Solids: 91.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4760			P
7440-36-0	Antimony	0.21	B	N	P
7440-38-2	Arsenic	4.2			P
7440-39-3	Barium	99.0			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	5.1		*	P
7440-70-2	Calcium	14500		*	P
7440-47-3	Chromium	7.1		*	P
7440-48-4	Cobalt	3.0			P
7440-50-8	Copper	33.4			P
7439-89-6	Iron	6590			P
7439-92-1	Lead	34.0		*	P
7439-95-4	Magnesium	1640			P
7439-96-5	Manganese	166		N	P
7440-02-0	Nickel	5.9			P
7440-09-7	Potassium	1300			P
7782-49-2	Selenium	0.39	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	369			P
7440-28-0	Thallium	0.66	B		P
7440-62-2	Vanadium	16.7			P
7440-66-6	Zinc	113		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted Dry Weights Container:1.28g Wet:7.20g Dry:6.71g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB86B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931795

Level (low/med): LOW Date Received: 03/18/99

% Solids: 92.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6910			P
7440-36-0	Antimony	0.60	B	N	P
7440-38-2	Arsenic	17.1			P
7440-39-3	Barium	328			P
7440-41-7	Beryllium	0.57			P
7440-43-9	Cadmium	3.2		*	P
7440-70-2	Calcium	8460		*	P
7440-47-3	Chromium	9.8		*	P
7440-48-4	Cobalt	5.3			P
7440-50-8	Copper	97.9			P
7439-89-6	Iron	16100			P
7439-92-1	Lead	487		*	P
7439-95-4	Magnesium	2110			P
7439-96-5	Manganese	1060		N	P
7440-02-0	Nickel	8.3			P
7440-09-7	Potassium	2060			P
7782-49-2	Selenium	0.50	B		P
7440-22-4	Silver	3.2			P
7440-23-5	Sodium	597			P
7440-28-0	Thallium	1.7			P
7440-62-2	Vanadium	17.5			P
7440-66-6	Zinc	1120		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.30g Wet:7.25g Dry:6.80g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB86C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931796

Level (low/med): LOW Date Received: 03/18/99

% Solids: 88.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4210			P
7440-36-0	Antimony	0.40	B	N	P
7440-38-2	Arsenic	367			P
7440-39-3	Barium	117			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	8.5		*	P
7440-70-2	Calcium	2170		*	P
7440-47-3	Chromium	12.9		*	P
7440-48-4	Cobalt	3.5			P
7440-50-8	Copper	37.8			P
7439-89-6	Iron	8980			P
7439-92-1	Lead	229		*	P
7439-95-4	Magnesium	1250			P
7439-96-5	Manganese	130		N	P
7440-02-0	Nickel	4.4			P
7440-09-7	Potassium	1460			P
7782-49-2	Selenium	0.60			P
7440-22-4	Silver	1.4			P
7440-23-5	Sodium	551			P
7440-28-0	Thallium	19.1			P
7440-62-2	Vanadium	11.9			P
7440-66-6	Zinc	150		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted Dry Weights Container:1.27g Wet:7.14g Dry:6.45g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB86D

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931797

Level (low/med): LOW Date Received: 03/18/99

% Solids: 91.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3650			P
7440-36-0	Antimony	0.32	B	N	P
7440-38-2	Arsenic	409			P
7440-39-3	Barium	107			P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	4.3		*	P
7440-70-2	Calcium	2750		*	P
7440-47-3	Chromium	14.0		*	P
7440-48-4	Cobalt	2.1			P
7440-50-8	Copper	28.2			P
7439-89-6	Iron	10700			P
7439-92-1	Lead	181		*	P
7439-95-4	Magnesium	1060			P
7439-96-5	Manganese	81.2		N	P
7440-02-0	Nickel	2.9			P
7440-09-7	Potassium	2020			P
7782-49-2	Selenium	0.49	B		P
7440-22-4	Silver	0.85			P
7440-23-5	Sodium	505			P
7440-28-0	Thallium	52.1			P
7440-62-2	Vanadium	9.7			P
7440-66-6	Zinc	107		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.30g Wet:6.71g Dry:6.23g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB86E

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931798

Level (low/med): LOW Date Received: 03/18/99

% Solids: 96.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1160			P
7440-36-0	Antimony	0.38	B	N	P
7440-38-2	Arsenic	77.7			P
7440-39-3	Barium	43.8			P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	2.1		*	P
7440-70-2	Calcium	730		*	P
7440-47-3	Chromium	7.1		*	P
7440-48-4	Cobalt	0.84			P
7440-50-8	Copper	14.4			P
7439-89-6	Iron	3560			P
7439-92-1	Lead	54.2		*	P
7439-95-4	Magnesium	310			P
7439-96-5	Manganese	51.5		N	P
7440-02-0	Nickel	1.6			P
7440-09-7	Potassium	365			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.11	B		P
7440-23-5	Sodium	234			P
7440-28-0	Thallium	5.4			P
7440-62-2	Vanadium	4.1			P
7440-66-6	Zinc	54.5		N	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.28g Wet:7.04g Dry:6.84g

FORM I - IN

SW846

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB91A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00003

Matrix (soil/water): SOIL Lab Sample ID: 931799

Level (low/med) LOW Date Received: 03/18/99

% Solids: 78.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8980			P
7440-36-0	Antimony	0.58	B	N	P
7440-38-2	Arsenic	343			P
7440-39-3	Barium	176			P
7440-41-7	Beryllium	0.44	B		P
7440-43-9	Cadmium	65.7		*	P
7440-70-2	Calcium	3550		*	P
7440-47-3	Chromium	25.2		*	P
7440-48-4	Cobalt	4.7			P
7440-50-8	Copper	125			P
7439-89-6	Iron	30400			P
7439-92-1	Lead	9.8		*	P
7439-95-4	Magnesium	2130			P
7439-96-5	Manganese	157		N	P
7440-02-0	Nickel	5.5			P
7440-09-7	Potassium	3080			P
7782-49-2	Selenium	0.73			P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	1380			P
7440-28-0	Thallium	32.6			P
7440-62-2	Vanadium	31.6			P
7440-66-6	Zinc	470		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.30g Wet:6.98g Dry:5.75g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB91B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931800

Level (low/med): LOW Date Received: 03/18/99

% Solids: 94.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2230			P
7440-36-0	Antimony	0.28	B	N	P
7440-38-2	Arsenic	48.4			P
7440-39-3	Barium	57.8			P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	9.1			P
7440-70-2	Calcium	959			P
7440-47-3	Chromium	2.9			P
7440-48-4	Cobalt	1.1			P
7440-50-8	Copper	24.4			P
7439-89-6	Iron	6380			P
7439-92-1	Lead	8.9			P
7439-95-4	Magnesium	364			P
7439-96-5	Manganese	37.5			P
7440-02-0	Nickel	1.1			P
7440-09-7	Potassium	880			P
7782-49-2	Selenium	0.33	B		P
7440-22-4	Silver	0.06	B		P
7440-23-5	Sodium	192	B		P
7440-28-0	Thallium	26.1			P
7440-62-2	Vanadium	6.8			P
7440-66-6	Zinc	56.2		E*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:6.53g Dry:6.23g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB91C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931805

Level (low/med): LOW Date Received: 03/18/99

% Solids: 97.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	249			P
7440-36-0	Antimony	0.26	B	N	P
7440-38-2	Arsenic	4.7			P
7440-39-3	Barium	19.9			P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	1.2			P
7440-70-2	Calcium	86.9	B		P
7440-47-3	Chromium	3.6			P
7440-48-4	Cobalt	0.19	B		P
7440-50-8	Copper	2.1			P
7439-89-6	Iron	905			P
7439-92-1	Lead	6.1			P
7439-95-4	Magnesium	32.6	B		P
7439-96-5	Manganese	6.1			P
7440-02-0	Nickel	0.32	B		P
7440-09-7	Potassium	89.6	B		P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	126	B		P
7440-28-0	Thallium	2.2			P
7440-62-2	Vanadium	1.3	B		P
7440-66-6	Zinc	8.8		E*	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.32g Wet:6.95g Dry:6.81g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB91D

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931806

Level (low/med): LOW Date Received: 03/18/99

% Solids: 96.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	486			P
7440-36-0	Antimony	0.22	B	N	P
7440-38-2	Arsenic	10.0			P
7440-39-3	Barium	34.1			P
7440-41-7	Beryllium	0.05	B		P
7440-43-9	Cadmium	6.5			P
7440-70-2	Calcium	188			P
7440-47-3	Chromium	2.9			P
7440-48-4	Cobalt	0.49			P
7440-50-8	Copper	4.2			P
7439-89-6	Iron	1550			P
7439-92-1	Lead	13.6			P
7439-95-4	Magnesium	79.0	B		P
7439-96-5	Manganese	13.1			P
7440-02-0	Nickel	0.43	B		P
7440-09-7	Potassium	145			P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	143	B		P
7440-28-0	Thallium	3.6			P
7440-62-2	Vanadium	2.3			P
7440-66-6	Zinc	34.6		E*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.29g Wet:6.36g Dry:6.20g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB92A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931807

Level (low/med): LOW Date Received: 03/18/99

% Solids: 92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300			P
7440-36-0	Antimony	0.34	B	N	P
7440-38-2	Arsenic	8.3			P
7440-39-3	Barium	220			P
7440-41-7	Beryllium	0.98			P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	7770			P
7440-47-3	Chromium	11.6			P
7440-48-4	Cobalt	6.9			P
7440-50-8	Copper	22.9			P
7439-89-6	Iron	16700			P
7439-92-1	Lead	44.7			P
7439-95-4	Magnesium	3680			P
7439-96-5	Manganese	413			P
7440-02-0	Nickel	8.7			P
7440-09-7	Potassium	2660			P
7782-49-2	Selenium	0.36	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	550			P
7440-28-0	Thallium	1.1			P
7440-62-2	Vanadium	24.3			P
7440-66-6	Zinc	182		E*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.35g Wet:6.68g Dry:6.30g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB92B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931808

Level (low/med): LOW Date Received: 03/18/99

% Solids: 96.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5630			P
7440-36-0	Antimony	0.87	B	N	P
7440-38-2	Arsenic	10.1			P
7440-39-3	Barium	758			P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	2.6			P
7440-70-2	Calcium	5340			P
7440-47-3	Chromium	6.6			P
7440-48-4	Cobalt	3.9			P
7440-50-8	Copper	108			P
7439-89-6	Iron	15000			P
7439-92-1	Lead	429			P
7439-95-4	Magnesium	1690			P
7439-96-5	Manganese	1800			P
7440-02-0	Nickel	4.2			P
7440-09-7	Potassium	1270			P
7782-49-2	Selenium	0.63			P
7440-22-4	Silver	3.3			P
7440-23-5	Sodium	1120			P
7440-28-0	Thallium	1.3			P
7440-62-2	Vanadium	14.3			P
7440-66-6	Zinc	2630		E*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted_Dry_Weights Container:1.30g Wet:6.85g Dry:6.68g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB92C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931809

Level (low/med): LOW Date Received: 03/18/99

% Solids: 98.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1710			P
7440-36-0	Antimony	0.45	B	N	P
7440-38-2	Arsenic	4.1			P
7440-39-3	Barium	186			P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	1.7			P
7440-70-2	Calcium	1460			P
7440-47-3	Chromium	2.4			P
7440-48-4	Cobalt	1.2			P
7440-50-8	Copper	24.7			P
7439-89-6	Iron	5570			P
7439-92-1	Lead	90.3			P
7439-95-4	Magnesium	518			P
7439-96-5	Manganese	352			P
7440-02-0	Nickel	1.3			P
7440-09-7	Potassium	403			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.54			P
7440-23-5	Sodium	372			P
7440-28-0	Thallium	0.36	B		P
7440-62-2	Vanadium	5.6			P
7440-66-6	Zinc	523		E*	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.28g Wet:6.69g Dry:6.62g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB92D

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931810

Level (low/med): LOW Date Received: 03/18/99

% Solids: 98.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1110			P
7440-36-0	Antimony	0.17	B	N	P
7440-38-2	Arsenic	1.2			P
7440-39-3	Barium	28.1			P
7440-41-7	Beryllium	0.14	B		P
7440-43-9	Cadmium	6.8			P
7440-70-2	Calcium	487			P
7440-47-3	Chromium	1.5			P
7440-48-4	Cobalt	0.84			P
7440-50-8	Copper	1.8			P
7439-89-6	Iron	2700			P
7439-92-1	Lead	2.4			P
7439-95-4	Magnesium	315			P
7439-96-5	Manganese	42.0			P
7440-02-0	Nickel	0.86			P
7440-09-7	Potassium	224			P
7782-49-2	Selenium	0.24	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	147	B		P
7440-28-0	Thallium	0.22	U		P
7440-62-2	Vanadium	3.8			P
7440-66-6	Zinc	37.3		E*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.27g Wet:6.81g Dry:6.75g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB93A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931811

Level (low/med): LOW Date Received: 03/18/99

% Solids: 96.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5540			P
7440-36-0	Antimony	0.29	B	N	P
7440-38-2	Arsenic	6.1			P
7440-39-3	Barium	123			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	7.9			P
7440-70-2	Calcium	20400			P
7440-47-3	Chromium	6.9			P
7440-48-4	Cobalt	3.2			P
7440-50-8	Copper	19.9			P
7439-89-6	Iron	8230			P
7439-92-1	Lead	55.3			P
7439-95-4	Magnesium	1720			P
7439-96-5	Manganese	241			P
7440-02-0	Nickel	6.3			P
7440-09-7	Potassium	1680			P
7782-49-2	Selenium	0.36	B		P
7440-22-4	Silver	0.25	B		P
7440-23-5	Sodium	493			P
7440-28-0	Thallium	0.59	B		P
7440-62-2	Vanadium	15.3			P
7440-66-6	Zinc	250		E*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.29g Wet:6.59g Dry:6.38g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB93C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931812

Level (low/med): LOW Date Received: 03/18/99

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	5.9		N	P
7440-38-2	Arsenic	2170			P
7440-39-3	Barium	386			P
7440-41-7	Beryllium	0.57	B		P
7440-43-9	Cadmium	197			P
7440-70-2	Calcium	3290			P
7440-47-3	Chromium	76.3			P
7440-48-4	Cobalt	5.6			P
7440-50-8	Copper	364			P
7439-89-6	Iron	17900			P
7439-92-1	Lead	1740			P
7439-95-4	Magnesium	2270			P
7439-96-5	Manganese	223			P
7440-02-0	Nickel	7.9			P
7440-09-7	Potassium	3140			P
7782-49-2	Selenium	11.3			P
7440-22-4	Silver	7.5			P
7440-23-5	Sodium	490			P
7440-28-0	Thallium	188			P
7440-62-2	Vanadium	19.5			P
7440-66-6	Zinc	931		E*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.28g Wet:6.46g Dry:5.53g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB98A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931813

Level (low/med): LOW Date Received: 03/18/99

% Solids: 95.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5620			P
7440-36-0	Antimony	0.72	B	N	P
7440-38-2	Arsenic	35.8			P
7440-39-3	Barium	667			P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	55.1			P
7440-70-2	Calcium	8170			P
7440-47-3	Chromium	18.0			P
7440-48-4	Cobalt	7.5			P
7440-50-8	Copper	89.3			P
7439-89-6	Iron	16100			P
7439-92-1	Lead	354			P
7439-95-4	Magnesium	1620			P
7439-96-5	Manganese	844			P
7440-02-0	Nickel	9.5			P
7440-09-7	Potassium	1610			P
7782-49-2	Selenium	1.8			P
7440-22-4	Silver	1.8			P
7440-23-5	Sodium	479			P
7440-28-0	Thallium	4.2			P
7440-62-2	Vanadium	17.9			P
7440-66-6	Zinc	1210		E*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted Dry Weights Container:1.29g Wet:6.34g Dry:6.13g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB98B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931814

Level (low/med): LOW Date Received: 03/18/99

% Solids: 91.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6060			P
7440-36-0	Antimony	0.88	B	N	P
7440-38-2	Arsenic	81.6			P
7440-39-3	Barium	152			P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	233			P
7440-70-2	Calcium	3430			P
7440-47-3	Chromium	107			P
7440-48-4	Cobalt	4.1			P
7440-50-8	Copper	47.5			P
7439-89-6	Iron	9690			P
7439-92-1	Lead	283			P
7439-95-4	Magnesium	1550			P
7439-96-5	Manganese	358			P
7440-02-0	Nickel	19.7			P
7440-09-7	Potassium	1710			P
7782-49-2	Selenium	1.8			P
7440-22-4	Silver	0.77			P
7440-23-5	Sodium	387			P
7440-28-0	Thallium	13.9			P
7440-62-2	Vanadium	17.1			P
7440-66-6	Zinc	506		E*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.32g Wet:6.36g Dry:5.93g

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB98D

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931815

Level (low/med): LOW Date Received: 03/18/99

% Solids: 81.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100			P
7440-36-0	Antimony	0.68	B	N	P
7440-38-2	Arsenic	55.8			P
7440-39-3	Barium	177			P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	172			P
7440-70-2	Calcium	2780			P
7440-47-3	Chromium	18.2			P
7440-48-4	Cobalt	4.5			P
7440-50-8	Copper	28.3			P
7439-89-6	Iron	20100			P
7439-92-1	Lead	39.8			P
7439-95-4	Magnesium	2740			P
7439-96-5	Manganese	133			P
7440-02-0	Nickel	7.2			P
7440-09-7	Potassium	3050			P
7782-49-2	Selenium	0.75			P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	377			P
7440-28-0	Thallium	16.7			P
7440-62-2	Vanadium	22.7			P
7440-66-6	Zinc	243		E*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted_Dry_Weights Container:1.29g Wet:5.33g Dry:4.60g

03/23/99 16:41 013/017

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB99A

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931816

Level (low/med): LOW Date Received: 03/18/99

% Solids: 94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	0.36	B	N	P
7440-38-2	Arsenic	2.3			P
7440-39-3	Barium	147			P
7440-41-7	Beryllium	0.86			P
7440-43-9	Cadmium	18.2			P
7440-70-2	Calcium	3360			P
7440-47-3	Chromium	11.1			P
7440-48-4	Cobalt	6.4			P
7440-50-8	Copper	12.2			P
7439-89-6	Iron	16700			P
7439-92-1	Lead	8.7			P
7439-95-4	Magnesium	3180			P
7439-96-5	Manganese	320			P
7440-02-0	Nickel	8.9			P
7440-09-7	Potassium	2170			P
7782-49-2	Selenium	0.28	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	900			P
7440-28-0	Thallium	1.1			P
7440-62-2	Vanadium	23.5			P
7440-66-6	Zinc	180		E*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted Dry Weights Container:1.28g Wet:6.52g Dry:6.23g

FORM I - IN SW846

03/23/98 15:41 014/017

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB99B

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931817

Level (low/med): LOW Date Received: 03/18/99

% Solids: 98.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3750			P
7440-36-0	Antimony	0.42	B	N	P
7440-38-2	Arsenic	6.2			P
7440-39-3	Barium	80.9			P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	11.3			P
7440-70-2	Calcium	3260			P
7440-47-3	Chromium	7.0			P
7440-48-4	Cobalt	3.1			P
7440-50-8	Copper	14.1			P
7439-89-6	Iron	7810			P
7439-92-1	Lead	73.4			P
7439-95-4	Magnesium	1050			P
7439-96-5	Manganese	253			P
7440-02-0	Nickel	3.6			P
7440-09-7	Potassium	866			P
7782-49-2	Selenium	0.27	B		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	245			P
7440-28-0	Thallium	0.48	B		P
7440-62-2	Vanadium	13.3			P
7440-66-6	Zinc	235		E*	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted Dry Weights Container:1.27g Wet:6.72g Dry:6.65g

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB99C

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931818

Level (low/med): LOW Date Received: 03/18/99

% Solids: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1440			P
7440-36-0	Antimony	0.27	B	N	P
7440-38-2	Arsenic	1.2			P
7440-39-3	Barium	28.3			P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	2.8			P
7440-70-2	Calcium	985			P
7440-47-3	Chromium	2.2			P
7440-48-4	Cobalt	1.6			P
7440-50-8	Copper	3.0			P
7439-89-6	Iron	3470			P
7439-92-1	Lead	5.7			P
7439-95-4	Magnesium	403			P
7439-96-5	Manganese	137			P
7440-02-0	Nickel	1.7			P
7440-09-7	Potassium	307			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	149	B		P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	5.4			P
7440-66-6	Zinc	24.3		E*	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

Undecanted_Dry_Weights Container:1.33g Wet:6.55g Dry:6.30g

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

HPSB99D

Lab Name: COMPUCHEM Contract: SW-846

Lab Code: COMPU Case No.: 34182 SAS No.: SDG No.: 00004

Matrix (soil/water): SOIL Lab Sample ID: 931819

Level (low/med): LOW Date Received: 03/18/99

% Solids: 99.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	993			P
7440-36-0	Antimony	0.30	B	N	P
7440-38-2	Arsenic	0.30	B		P
7440-39-3	Barium	16.2			P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	2.8			P
7440-70-2	Calcium	489			P
7440-47-3	Chromium	3.6			P
7440-48-4	Cobalt	0.94			P
7440-50-8	Copper	1.7			P
7439-89-6	Iron	2850			P
7439-92-1	Lead	3.2			P
7439-95-4	Magnesium	283			P
7439-96-5	Manganese	89.0			P
7440-02-0	Nickel	1.3			P
7440-09-7	Potassium	221			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	136	B		P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	5.1			P
7440-66-6	Zinc	19.0		E*	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:
Undecanted Dry Weights Container:1.29g Wet:6.66g Dry:6.63g

URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

L. Scott Tucker, Executive Director

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APR 21 1999
ENVIRONMENTAL SERVICES

MEMORANDUM

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TO: Dave Wilmoth, Denver Environmental Services Division
Mark Alston, Denver Design and Construction Management
Nick Skifalides, Denver Wastewater Management Division

FROM: Ben Urbonas,
Chief, Master Planning and South Platte River Programs

SUBJECT: Globeville/Utah Junction Detention Pond
Detention Volumes and Earthwork

DATE: April 16, 1999

Based on input from Kiowa Engineering Corporation, I have completed an estimate of the detention and earthwork volumes that will be achieved and moved, respectively, for three pond layout configurations. The three pond layouts are as follows:

- First layout is the one developed by Kiowa based on the locations of contaminants we were told to avoid and staying at least two feet above the existing groundwater layer.
- Second layout is the same as the first, except a shallow bench was added on the south side of the first layout to achieve more detention volume.
- Third layout is the one suggested by the Denver's Environmental Services Division. This layout does not stay two feet above the existing groundwater table.

Each layout was analyzed with and without a partial clay liner in the zones of known contamination to keep detention volumes from leaching out the buried contaminants. What needs to be understood by all parties is that most of the detention events will have a very shallow water depth above the primary bottom of the new detention area. The duration of detention will also be less than six hours for most of the events. The total detention volume will not be occupied more than once every 20 to 50 years and at those time the emptying time should be around 24 hours.

The following tables summarize my current estimates, which contain some adjustments to the information on clay-lined options provided to me by Kiowa. My adjustments assume a need for more extensive areas of clay-liner than assumed by Kiowa, especially in the shallow bench areas. In addition, I included over-excavation to provide a topsoil layer over the liner for revegetation.

Table 1. No clay liner required.

Layout	Available Detention Volume	Excavation	Estimate of Cost	Unit Cost of Detention
First	15.7 a.f.	84,300 c.y.	$548,000	$34,900/a.f.
Second	18.5 a.f.	105,100 c.y.	$683,000	$36,900/a.f.
Third	12.4 a.f.	76,000 c.y.	$494,000	$39,800/a.f.

Table 2. Clay liner required.

Layout	Available Detention Volume	Excavation	Material for Clay Liner	Estimate of Cost	Unit Cost of Detention
First	15.7 a.f.	92,400 c.y.	5,400 c.y.	$613,000	$39,000/a.f.
Second	18.5 a.f.	120,700 c.y.	10,400 c.y.	$808,000	$43,700/a.f.
Third	12.4 a.f.	85,700 c.y.	7,700 c.y.	$586,000	$47,300/a.f.

The above assessment is preliminary, but should give us an order-of-magnitude estimate of earthwork quantities and cost. In estimating earthwork I used $6.00/c.y. for excavation using disposal on property and $12.00 for imported clay liner of two-foot depth. As you can see, the need for a clay liner adds significantly to the cost of the project. In addition, the first layout developed by Kiowa using the groundwater and contaminant avoidance criteria gives the best return for the dollar, by far.

BRU/gb
cc: Scott Tucker, UDFCD
John Doerfer, UDFCD
Brian Wozniak, Kiowa Engineering

GEI Consultants, Inc.

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ENVIRONMENTAL SERVICES

6950 South Potomac Street
Suite 200
Englewood, CO 80112
303·662·0100
303·662·8757 Fax

April 23, 1999
Project 96136

Mr. Bill Benerman
City and County of Denver, Environmental Services
1391 North Speer Boulevard, 7th Floor
Denver, CO 80204

Re: Environmental Analysis of Sampling Data for Heller Property

Dear Bill:

Consistent with your request, GEI Consultants, Inc. has reviewed and analyzed the environmental test data for the Heller Property based on the criteria defined by Environmental Services during our meeting on April 7, 1999.

1.0 ENVIRONMENTAL ANALYSIS

The environmental test data for the Heller Property was reviewed to determine if soils excavated to construct a proposed detention basin would classify as solid waste, which could be left on-site, or if the soils excavated would classify as hazardous waste and need to be placed in an off-site hazardous waste landfill.

For purposes of this analysis, only test data provided by the City and County of Denver, Environmental Services, from 27 soil borings that are within the current proposed detention basin area were considered. A list of borings within the proposed detention basin and the sorted test results used in our analyses are attached to this letter. The data sets were reviewed and analyzed for the three primary Constituents of Concern (COC's) identified by previous site analysis. These COC's are Arsenic, Cadmium, and Lead. Both Total Metals (TM) and Total Contaminant Leachate Procedure (TCLP) tests were performed for samples from the 27 borings which are located at about 75 feet on center.

The 27 data sets were organized first by test type (TM or TCLP) and secondly by individual COC's. A descriptive statistical analysis was performed for each sub-group of tests. The information from the statistical analysis was then used along with EPA's, "Methods of Evaluating the Attainment of Cleanup Standards for Soils and Solid Media" Publication 9355.4-04FS, dated July 1991, to determine an upper one-sided 95 percent confidence interval estimate of the contamination levels on site. The results of our analyses are summarized in Table 1 below.

TABLE 1
RESULTS OF UPPER ONE-SIDED 95% CONFIDENCE INTERVAL LEVELS OF CONTAMINATIONS AT THE HELLER PROPERTY

Constituent of Concern (COC)	Test Type	Upper One-Sided 95% Confidence Level of Contamination [1]	EPA Maximum Allowable Contaminant Level (MCL)	Qualifies as Solid Waste? (Yes/No)
Arsenic	TCLP	0.5 mg/l	5.0 mg/l	Yes
Cadmium	TCLP	0.77 mg/l	1.0 mg/l	Yes
Lead	TCLP	0.51 mg/l	5.0 mg/l	Yes
Arsenic	TM	9.93 mg/kg	1200 mg/kg [2]	Yes
Cadmium	TM	5.81 mg/kg	71 mg/kg [2]	Yes
Lead	TM	89.7 mg/kg	1685 mg/kg [2]	Yes

[1] Based on data from the 27 borings.
[2] Total Metals MCL limits are correlations to the TCLP MCL regulated value and were identified and presented to the Colorado Department of Health in the original SARCO site analysis.

Quality control data, for both blanks and spiked samples sent to the laboratory, were also analyzed. The analysis of the spiked test results showed the computed contaminant levels to be within 6 percent of the actual spiked sample value. None of the blank samples showed detectable levels of contamination. There were no significant outliers in the data sets analyzed.

Based on GEI's analysis, it is our opinion that the contamination level of the three COC's falls below the Maximum Contaminant Level (MCL) allowed by the EPA and that the excavated material should be classified as a solid waste.

Please call if you have any questions or require additional information.

Sincerely,

GEI CONSULTANTS, INC.

Robert J. Huzjak, P.E.
Project Manager

RJH/EMJ/jlm
Attachments: Summary TCLP Test Data
Summary of Total Metal Tests
EVS Quality Control Data Set

SUMMARY TCLP TEST DATA
FOR HALLER PROPERTY,
DENVER, COLORADO

B	B	B	SAMPLEID	SAMPLED	C		ANLYZDT	METHOD	PARAMETER	UNK2	MATRIX	RESULT	NF_ND			UNITS	RL	XDT1	XDT2	DIL2
R	#	#	A SB060 4-6	11/4/98	#	#	12/11/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB061 4-6	11/4/98	#	#	12/11/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB070 18-20	11/5/98	#	#	12/11/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB070 9-12	11/5/98	#	#	12/11/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB071 3-6	11/6/98	#	#	12/12/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB072 12-15	11/5/98	#	#	12/11/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB074 15-17	11/5/98	#	#	12/11/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB075 18-21	11/5/98	#	#	12/11/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB077 6-9	11/10/98	#	#	12/12/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB078 9-12	11/10/98	#	#	12/12/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB079 9-12	11/10/98	#	#	12/12/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB082 6-9	11/6/98	#	#	12/12/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB084 9-12	11/10/98	#	#	12/12/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB085 9-12	11/10/98	#	#	12/12/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB086 4-6	11/10/98	#	#	12/12/98	6010B	Arsenic	7440382	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB060 4-6	11/4/98	#	#	12/11/98	6010B	Cadmium	7440439	SOIL	0.14				mg/L	0.1	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB061 4-6	11/4/98	#	#	12/11/98	6010B	Cadmium	7440439	SOIL	0.1	ND			mg/L	0.1	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB070 18-20	11/5/98	#	#	12/11/98	6010B	Cadmium	7440439	SOIL	1				mg/L	0.1	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB070 9-12	11/5/98	#	#	12/11/98	6010B	Cadmium	7440439	SOIL	0.1	ND			mg/L	0.1	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB071 3-6	11/6/98	#	#	12/12/98	6010B	Cadmium	7440439	SOIL	0.1	ND			mg/L	0.1	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB072 12-15	11/5/98	#	#	12/11/98	6010B	Cadmium	7440439	SOIL	0.29				mg/L	0.1	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB074 15-17	11/5/98	#	#	12/11/98	6010B	Cadmium	7440439	SOIL	0.12				mg/L	0.1	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB075 18-21	11/5/98	#	#	12/11/98	6010B	Cadmium	7440439	SOIL	0.1	ND			mg/L	0.1	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB077 6-9	11/10/98	#	#	12/12/98	6010B	Cadmium	7440439	SOIL	0.1	ND			mg/L	0.1	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB078 9-12	11/10/98	#	#	12/12/98	6010B	Cadmium	7440439	SOIL	0.1				mg/L	0.1	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB079 9-12	11/10/98	#	#	12/12/98	6010B	Cadmium	7440439	SOIL	3.1				mg/L	0.1	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB082 6-9	11/6/98	#	#	12/12/98	6010B	Cadmium	7440439	SOIL	0.1	ND			mg/L	0.1	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB084 9-12	11/10/98	#	#	12/12/98	6010B	Cadmium	7440439	SOIL	0.3				mg/L	0.1	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB085 9-12	11/10/98	#	#	12/12/98	6010B	Cadmium	7440439	SOIL	0.49				mg/L	0.1	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB086 4-6	11/10/98	#	#	12/12/98	6010B	Cadmium	7440439	SOIL	0.1	ND			mg/L	0.1	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB060 4-6	11/4/98	#	#	12/11/98	6010B	Lead	7439921	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB061 4-6	11/4/98	#	#	12/11/98	6010B	Lead	7439921	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB070 18-20	11/5/98	#	#	12/11/98	6010B	Lead	7439921	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB070 9-12	11/5/98	#	#	12/11/98	6010B	Lead	7439921	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB071 3-6	11/6/98	#	#	12/12/98	6010B	Lead	7439921	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB072 12-15	11/5/98	#	#	12/11/98	6010B	Lead	7439921	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB074 15-17	11/5/98	#	#	12/11/98	6010B	Lead	7439921	SOIL	0.5	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB075 18-21	11/5/98	#	#	12/11/98	6010B	Lead	7439921	SOIL	0.55				mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A SB077 6-9	11/10/98	#	#	12/12/98	6010B	Lead	7439921	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB078 9-12	11/10/98	#	#	12/12/98	6010B	Lead	7439921	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A SB079 9-12	11/10/98	#	#	12/12/98	6010B	Lead	7439921	SOIL	0.5	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0

SUMMARY TCLP TEST DATA
FOR HALLER PROPERTY,
DENVER, COLORADO

R	#	#	A	SB082 6-9	11/6/98	#	#	12/12/98	6010B	Lead	7439921	SOIL	0.5	ND	mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB084 9-12	11/10/98	#	#	12/12/98	6010B	Lead	7439921	SOIL	0.5	ND	mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB085 9-12	11/10/98	#	#	12/12/98	6010B	Lead	7439921	SOIL	0.5	ND	mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB086 4-6	11/10/98	#	#	12/12/98	6010B	Lead	7439921	SOIL	0.5	ND	mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB060 4-6	11/4/98	#	#	11/24/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	23 NOV 98MX1	23 NOV 98MX1	1.0
R	#	#	A	SB061 4-6	11/4/98	#	#	11/24/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	23 NOV 98MX1	23 NOV 98MX1	1.0
R	#	#	A	SB070 18-20	11/5/98	#	#	11/24/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	23 NOV 98MX1	23 NOV 98MX1	1.0
R	#	#	A	SB070 9-12	11/5/98	#	#	11/24/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	23 NOV 98MX1	23 NOV 98MX1	1.0
R	#	#	A	SB071 3-6	11/6/98	#	#	11/25/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0
R	#	#	A	SB072 12-15	11/5/98	#	#	11/24/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	23 NOV 98MX1	23 NOV 98MX1	1.0
R	#	#	A	SB074 15-17	11/5/98	#	#	11/24/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	23 NOV 98MX1	23 NOV 98MX1	1.0
R	#	#	A	SB075 18-21	11/5/98	#	#	11/25/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0
R	#	#	A	SB077 6-9	11/10/98	#	#	11/25/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0
R	#	#	A	SB078 9-12	11/10/98	#	#	11/25/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0
R	#	#	A	SB079 9-12	11/10/98	#	#	11/25/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0
R	#	#	A	SB082 6-9	11/6/98	#	#	11/25/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0
R	#	#	A	SB084 9-12	11/10/98	#	#	11/25/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0
R	#	#	A	SB085 9-12	11/10/98	#	#	11/25/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0
R	#	#	A	SB086 4-6	11/10/98	#	#	11/25/98	7470A	Mercury	7439976	SOIL		ND	mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0
R	#	#	A	SB060 4-6	11/4/98	#	#	12/11/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB061 4-6	11/4/98	#	#	12/11/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB070 18-20	11/5/98	#	#	12/11/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB070 9-12	11/5/98	#	#	12/11/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB071 3-6	11/6/98	#	#	12/12/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB072 12-15	11/5/98	#	#	12/11/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB074 15-17	11/5/98	#	#	12/11/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB075 18-21	11/5/98	#	#	12/11/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB077 6-9	11/10/98	#	#	12/12/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB078 9-12	11/10/98	#	#	12/12/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB079 9-12	11/10/98	#	#	12/12/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB082 6-9	11/6/98	#	#	12/12/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB084 9-12	11/10/98	#	#	12/12/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB085 9-12	11/10/98	#	#	12/12/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB086 4-6	11/10/98	#	#	12/12/98	6010B	Selenium	7782492	SOIL		ND	mg/L	0.25	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB060 4-6	11/4/98	#	#	12/11/98	6010B	Silver	7440224	SOIL		ND	mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB061 4-6	11/4/98	#	#	12/11/98	6010B	Silver	7440224	SOIL		ND	mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB070 18-20	11/5/98	#	#	12/11/98	6010B	Silver	7440224	SOIL		ND	mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB070 9-12	11/5/98	#	#	12/11/98	6010B	Silver	7440224	SOIL		ND	mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB071 3-6	11/6/98	#	#	12/12/98	6010B	Silver	7440224	SOIL		ND	mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0

SUMMARY TCLP TEST DATA
FOR HALLER PROPERTY,
DENVER, COLORADO

R	#	#	A	SB072 12-15	11/5/98	#	#	12/11/98	6010B	Silver	7440224	SOIL		ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB074 15-17	11/5/98	#	#	12/11/98	6010B	Silver	7440224	SOIL		ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB075 18-21	11/5/98	#	#	12/11/98	6010B	Silver	7440224	SOIL		ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB077 6-9	11/10/98	#	#	12/12/98	6010B	Silver	7440224	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB078 9-12	11/10/98	#	#	12/12/98	6010B	Silver	7440224	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB079 9-12	11/10/98	#	#	12/12/98	6010B	Silver	7440224	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB082 6-9	11/6/98	#	#	12/12/98	6010B	Silver	7440224	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB084 9-12	11/10/98	#	#	12/12/98	6010B	Silver	7440224	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB085 9-12	11/10/98	#	#	12/12/98	6010B	Silver	7440224	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB086 4-6	11/10/98	#	#	12/12/98	6010B	Silver	7440224	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB060 4-6	11/4/98	#	#	12/11/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB061 4-6	11/4/98	#	#	12/11/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB070 18-20	11/5/98	#	#	12/11/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB070 9-12	11/5/98	#	#	12/11/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB071 3-6	11/6/98	#	#	12/12/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB072 12-15	11/5/98	#	#	12/11/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB074 15-17	11/5/98	#	#	12/11/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB075 18-21	11/5/98	#	#	12/11/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB077 6-9	11/10/98	#	#	12/12/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB078 9-12	11/10/98	#	#	12/12/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB079 9-12	11/10/98	#	#	12/12/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB082 6-9	11/6/98	#	#	12/12/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB084 9-12	11/10/98	#	#	12/12/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB085 9-12	11/10/98	#	#	12/12/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB086 4-6	11/10/98	#	#	12/12/98	6010B	Chromium	7440473	SOIL		ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB060 4-6	11/4/98	#	#	12/11/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB061 4-6	11/4/98	#	#	12/11/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB070 18-20	11/5/98	#	#	12/11/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB070 9-12	11/5/98	#	#	12/11/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB071 3-6	11/6/98	#	#	12/12/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB072 12-15	11/5/98	#	#	12/11/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB074 15-17	11/5/98	#	#	12/11/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB075 18-21	11/5/98	#	#	12/11/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	10 DEC 98MX	10 DEC 98MX	1.0
R	#	#	A	SB077 6-9	11/10/98	#	#	12/12/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB078 9-12	11/10/98	#	#	12/12/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB079 9-12	11/10/98	#	#	12/12/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB082 6-9	11/6/98	#	#	12/12/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB084 9-12	11/10/98	#	#	12/12/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB085 9-12	11/10/98	#	#	12/12/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	11 DEC 98MX1	11 DEC 98MX1	1.0
R	#	#	A	SB086 4-6	11/10/98	#	#	12/12/98	6010B	Barium	7440393	SOIL		ND		mg/L	10	11 DEC 98MX1	11 DEC 98MX1	1.0

SUMMARY OF TOTAL METALS TESTS
FOR HALLER PROPERTY,
DENVER, COLORADO

B	B	B	SAMPLEID	SAMPLED	C		ANLYZDT	METHOD	ARAMETE	UNK2	MATRIX	RESULT	NF_ND	QC1	UNK3	UNITS	RL	XDT1	XDT2	DIL7
#	#	A	SB058 3-4	11/4/98	#	#	11/26/98	6010B	Arsenic	7440382	SOIL	13				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB059 3-4	11/4/98	#	#	11/26/98	6010B	Arsenic	7440382	SOIL	3.3				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB060 2-3	11/4/98	#	#	11/26/98	6010B	Arsenic	7440382	SOIL	5.6				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB061 2-3	11/4/98	#	#	11/26/98	6010B	Arsenic	7440382	SOIL	6.7				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	1	A	SB062 2-3	11/6/98	#	#	11/30/98	6010B	Arsenic	7440382	SOIL	1.9				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	7	A	SB066 3-4	11/6/98	#	#	11/27/98	6010B	Arsenic	7440382	SOIL	41.5				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	8	A	SB067 2-3	11/6/98	#	#	11/27/98	6010B	Arsenic	7440382	SOIL	1				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB068 2-3	11/5/98	#	#	11/26/98	6010B	Arsenic	7440382	SOIL	2.2				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB069 3-6	11/5/98	#	#	11/26/98	6010B	Arsenic	7440382	SOIL	3.1				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB070 3-5	11/5/98	#	#	11/26/98	6010B	Arsenic	7440382	SOIL	3.5				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	9	A	SB071 2-3	11/6/98	#	#	11/27/98	6010B	Arsenic	7440382	SOIL	5.8				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB072 3-4	11/5/98	#	#	11/26/98	6010B	Arsenic	7440382	SOIL	25.7				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB074 3-4	11/5/98	#	#	11/26/98	6010B	Arsenic	7440382	SOIL	3.2				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB075 9-12	11/5/98	#	#	11/26/98	6010B	Arsenic	7440382	SOIL	3.7				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB076 3-4	11/10/98	#	#	11/27/98	6010B	Arsenic	7440382	SOIL	2				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB077 2-3	11/10/98	#	#	11/27/98	6010B	Arsenic	7440382	SOIL	4.8				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB078 2-3	11/10/98	#	#	11/27/98	6010B	Arsenic	7440382	SOIL	7.1				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB079 3-4	11/10/98	#	#	11/27/98	6010B	Arsenic	7440382	SOIL	11.4				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB080 2-3	11/10/98	#	#	11/27/98	6010B	Arsenic	7440382	SOIL	1.1				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB081 2-3	11/10/98	#	#	11/27/98	6010B	Arsenic	7440382	SOIL	10.3				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB082 3-4	11/6/98	#	#	11/30/98	6010B	Arsenic	7440382	SOIL	1	ND			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB083 2-3	11/10/98	#	#	11/30/98	6010B	Arsenic	7440382	SOIL	4.8				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB084 3-4	11/10/98	#	#	11/30/98	6010B	Arsenic	7440382	SOIL	6.9				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB085 3-4	11/10/98	#	#	12/3/98	6010B	Arsenic	7440382	SOIL	3.7				mg/kg	1	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB086 2-3	11/10/98	#	#	12/3/98	6010B	Arsenic	7440382	SOIL	6.7				mg/kg	1	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB095 3-4	11/6/98	#	#	12/3/98	6010B	Arsenic	7440382	SOIL	2.1				mg/kg	1	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB058 3-4	11/4/98	#	#	11/26/98	6010B	Cadmium	7440439	SOIL	11.2				mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB059 3-4	11/4/98	#	#	11/26/98	6010B	Cadmium	7440439	SOIL	0.59				mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB060 2-3	11/4/98	#	#	11/26/98	6010B	Cadmium	7440439	SOIL	1.6				mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB061 2-3	11/4/98	#	#	11/26/98	6010B	Cadmium	7440439	SOIL	7				mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0
#	1	A	SB062 2-3	11/6/98	#	#	11/30/98	6010B	Cadmium	7440439	SOIL	0.28				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	7	A	SB066 3-4	11/6/98	#	#	11/27/98	6010B	Cadmium	7440439	SOIL	4.3				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	8	A	SB067 2-3	11/6/98	#	#	11/27/98	6010B	Cadmium	7440439	SOIL	0.2	ND			mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB068 2-3	11/5/98	#	#	11/26/98	6010B	Cadmium	7440439	SOIL	0.29				mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB069 3-6	11/5/98	#	#	11/26/98	6010B	Cadmium	7440439	SOIL	0.37				mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB070 3-5	11/5/98	#	#	11/26/98	6010B	Cadmium	7440439	SOIL	0.56				mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0
#	9	A	SB071 2-3	11/6/98	#	#	11/27/98	6010B	Cadmium	7440439	SOIL	5.4				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB072 3-4	11/5/98	#	#	11/26/98	6010B	Cadmium	7440439	SOIL	25.4				mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB074 3-4	11/5/98	#	#	11/26/98	6010B	Cadmium	7440439	SOIL	1.2				mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB075 9-12	11/5/98	#	#	11/26/98	6010B	Cadmium	7440439	SOIL	2.3				mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB076 3-4	11/10/98	#	#	11/27/98	6010B	Cadmium	7440439	SOIL	0.42				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB077 2-3	11/10/98	#	#	11/27/98	6010B	Cadmium	7440439	SOIL	3.4				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB078 2-3	11/10/98	#	#	11/27/98	6010B	Cadmium	7440439	SOIL	2.7				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0

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#	#	A	SB079 3-4	11/10/98	#	#	11/27/98	6010B	Cadmium	7440439	SOIL	4				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB080 2-3	11/10/98	#	#	11/27/98	6010B	Cadmium	7440439	SOIL	1				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB081 2-3	11/10/98	#	#	11/27/98	6010B	Cadmium	7440439	SOIL	16.1				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB082 3-4	11/6/98	#	#	11/30/98	6010B	Cadmium	7440439	SOIL	0.33				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB083 2-3	11/10/98	#	#	11/30/98	6010B	Cadmium	7440439	SOIL	0.28				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB084 3-4	11/10/98	#	#	11/30/98	6010B	Cadmium	7440439	SOIL	3.2				mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB085 3-4	11/10/98	#	#	12/3/98	6010B	Cadmium	7440439	SOIL	2.1				mg/kg	0.2	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB086 2-3	11/10/98	#	#	12/3/98	6010B	Cadmium	7440439	SOIL	6.1				mg/kg	0.2	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB095 3-4	11/6/98	#	#	12/3/98	6010B	Cadmium	7440439	SOIL	0.34				mg/kg	0.2	02 DEC 98QX5	02 DEC 98QX5	1.0

#	#	A	SB058 3-4	11/4/98	#	#	11/26/98	6010B	Lead	7439921	SOIL	87.4				mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB059 3-4	11/4/98	#	#	11/26/98	6010B	Lead	7439921	SOIL	9.6				mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB060 2-3	11/4/98	#	#	11/26/98	6010B	Lead	7439921	SOIL	153				mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB061 2-3	11/4/98	#	#	11/26/98	6010B	Lead	7439921	SOIL	64.6				mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0
#	1	A	SB062 2-3	11/6/98	#	#	11/30/98	6010B	Lead	7439921	SOIL	15.8				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	7	A	SB066 3-4	11/6/98	#	#	11/27/98	6010B	Lead	7439921	SOIL	29.7				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	8	A	SB067 2-3	11/6/98	#	#	11/27/98	6010B	Lead	7439921	SOIL	13.3				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB068 2-3	11/5/98	#	#	11/26/98	6010B	Lead	7439921	SOIL	8.1				mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB069 3-6	11/5/98	#	#	11/26/98	6010B	Lead	7439921	SOIL	87				mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB070 3-5	11/5/98	#	#	11/26/98	6010B	Lead	7439921	SOIL	107				mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0
#	9	A	SB071 2-3	11/6/98	#	#	11/27/98	6010B	Lead	7439921	SOIL	65.7				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB072 3-4	11/5/98	#	#	11/26/98	6010B	Lead	7439921	SOIL	352				mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB074 3-4	11/5/98	#	#	11/26/98	6010B	Lead	7439921	SOIL	20.1				mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB075 9-12	11/5/98	#	#	11/26/98	6010B	Lead	7439921	SOIL	39.4				mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB076 3-4	11/10/98	#	#	11/27/98	6010B	Lead	7439921	SOIL	14.2				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB077 2-3	11/10/98	#	#	11/27/98	6010B	Lead	7439921	SOIL	72.5				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB078 2-3	11/10/98	#	#	11/27/98	6010B	Lead	7439921	SOIL	61.9				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB079 3-4	11/10/98	#	#	11/27/98	6010B	Lead	7439921	SOIL	44.5				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB080 2-3	11/10/98	#	#	11/27/98	6010B	Lead	7439921	SOIL	196				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB081 2-3	11/10/98	#	#	11/27/98	6010B	Lead	7439921	SOIL	76.1				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB082 3-4	11/6/98	#	#	11/30/98	6010B	Lead	7439921	SOIL	10.8				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB083 2-3	11/10/98	#	#	11/30/98	6010B	Lead	7439921	SOIL	9.6				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB084 3-4	11/10/98	#	#	11/30/98	6010B	Lead	7439921	SOIL	44.7				mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB085 3-4	11/10/98	#	#	12/3/98	6010B	Lead	7439921	SOIL	39.9				mg/kg	0.3	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB086 2-3	11/10/98	#	#	12/3/98	6010B	Lead	7439921	SOIL	46.1				mg/kg	0.3	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB095 3-4	11/6/98	#	#	12/3/98	6010B	Lead	7439921	SOIL	16				mg/kg	0.3	02 DEC 98QX5	02 DEC 98QX5	1.0

#	#	A	SB058 3-4	11/4/98	#	#	11/26/98	6010B	Barium	7440393	SOIL	127				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB059 3-4	11/4/98	#	#	11/26/98	6010B	Barium	7440393	SOIL	163				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB060 2-3	11/4/98	#	#	11/26/98	6010B	Barium	7440393	SOIL	141				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB061 2-3	11/4/98	#	#	11/26/98	6010B	Barium	7440393	SOIL	149				mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	1	A	SB062 2-3	11/6/98	#	#	11/30/98	6010B	Barium	7440393	SOIL	89.6				mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0

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#	7	A	SB066 3-4	11/6/98	#	#	11/27/98	6010B	Barium	7440393	SOIL	153			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	8	A	SB067 2-3	11/6/98	#	#	11/27/98	6010B	Barium	7440393	SOIL	141			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB068 2-3	11/5/98	#	#	11/26/98	6010B	Barium	7440393	SOIL	119			mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB069 3-6	11/5/98	#	#	11/26/98	6010B	Barium	7440393	SOIL	176			mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB070 3-5	11/5/98	#	#	11/26/98	6010B	Barium	7440393	SOIL	133			mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	9	A	SB071 2-3	11/6/98	#	#	11/27/98	6010B	Barium	7440393	SOIL	84.5			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB072 3-4	11/5/98	#	#	11/26/98	6010B	Barium	7440393	SOIL	156			mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB074 3-4	11/5/98	#	#	11/26/98	6010B	Barium	7440393	SOIL	47			mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB075 9-12	11/5/98	#	#	11/26/98	6010B	Barium	7440393	SOIL	90.7			mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB076 3-4	11/10/98	#	#	11/27/98	6010B	Barium	7440393	SOIL	46.7			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB077 2-3	11/10/98	#	#	11/27/98	6010B	Barium	7440393	SOIL	111			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB078 2-3	11/10/98	#	#	11/27/98	6010B	Barium	7440393	SOIL	116			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB079 3-4	11/10/98	#	#	11/27/98	6010B	Barium	7440393	SOIL	112			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB080 2-3	11/10/98	#	#	11/27/98	6010B	Barium	7440393	SOIL	27.9			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB081 2-3	11/10/98	#	#	11/27/98	6010B	Barium	7440393	SOIL	149			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB082 3-4	11/6/98	#	#	11/30/98	6010B	Barium	7440393	SOIL	69.1			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB083 2-3	11/10/98	#	#	11/30/98	6010B	Barium	7440393	SOIL	158			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB084 3-4	11/10/98	#	#	11/30/98	6010B	Barium	7440393	SOIL	156			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB085 3-4	11/10/98	#	#	12/3/98	6010B	Barium	7440393	SOIL	145			mg/kg	1	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB086 2-3	11/10/98	#	#	12/3/98	6010B	Barium	7440393	SOIL	130			mg/kg	1	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB095 3-4	11/6/98	#	#	12/3/98	6010B	Barium	7440393	SOIL	74.9			mg/kg	1	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB058 3-4	11/4/98	#	#	11/26/98	6010B	Chromium	7440473	SOIL	9.5			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB059 3-4	11/4/98	#	#	11/26/98	6010B	Chromium	7440473	SOIL	12.3			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB060 2-3	11/4/98	#	#	11/26/98	6010B	Chromium	7440473	SOIL	8.3			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB061 2-3	11/4/98	#	#	11/26/98	6010B	Chromium	7440473	SOIL	8.5			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	1	A	SB062 2-3	11/6/98	#	#	11/30/98	6010B	Chromium	7440473	SOIL	7			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	7	A	SB066 3-4	11/6/98	#	#	11/27/98	6010B	Chromium	7440473	SOIL	10			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	8	A	SB067 2-3	11/6/98	#	#	11/27/98	6010B	Chromium	7440473	SOIL	6.1			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB068 2-3	11/5/98	#	#	11/26/98	6010B	Chromium	7440473	SOIL	10.2			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB069 3-6	11/5/98	#	#	11/26/98	6010B	Chromium	7440473	SOIL	7.5			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB070 3-5	11/5/98	#	#	11/26/98	6010B	Chromium	7440473	SOIL	8.9			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	9	A	SB071 2-3	11/6/98	#	#	11/27/98	6010B	Chromium	7440473	SOIL	8.2			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB072 3-4	11/5/98	#	#	11/26/98	6010B	Chromium	7440473	SOIL	21.3			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB074 3-4	11/5/98	#	#	11/26/98	6010B	Chromium	7440473	SOIL	7.2			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB075 9-12	11/5/98	#	#	11/26/98	6010B	Chromium	7440473	SOIL	8.5			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB076 3-4	11/10/98	#	#	11/27/98	6010B	Chromium	7440473	SOIL	9			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB077 2-3	11/10/98	#	#	11/27/98	6010B	Chromium	7440473	SOIL	11			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB078 2-3	11/10/98	#	#	11/27/98	6010B	Chromium	7440473	SOIL	10.5			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB079 3-4	11/10/98	#	#	11/27/98	6010B	Chromium	7440473	SOIL	13.1			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB080 2-3	11/10/98	#	#	11/27/98	6010B	Chromium	7440473	SOIL	6.3			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB081 2-3	11/10/98	#	#	11/27/98	6010B	Chromium	7440473	SOIL	11.3			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB082 3-4	11/6/98	#	#	11/30/98	6010B	Chromium	7440473	SOIL	6.2			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB083 2-3	11/10/98	#	#	11/30/98	6010B	Chromium	7440473	SOIL	8.5			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB084 3-4	11/10/98	#	#	11/30/98	6010B	Chromium	7440473	SOIL	15.8			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB085 3-4	11/10/98	#	#	12/3/98	6010B	Chromium	7440473	SOIL	25.9			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB086 2-3	11/10/98	#	#	12/3/98	6010B	Chromium	7440473	SOIL	13.2			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0

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#	#	A	SB079 3-4	11/10/98	#	#	11/27/98	6010B	Selenium	7782492	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB080 2-3	11/10/98	#	#	11/27/98	6010B	Selenium	7782492	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB081 2-3	11/10/98	#	#	11/27/98	6010B	Selenium	7782492	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB082 3-4	11/6/98	#	#	11/30/98	6010B	Selenium	7782492	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB083 2-3	11/10/98	#	#	11/30/98	6010B	Selenium	7782492	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB084 3-4	11/10/98	#	#	11/30/98	6010B	Selenium	7782492	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB085 3-4	11/10/98	#	#	12/3/98	6010B	Selenium	7782492	SOIL		ND			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB086 2-3	11/10/98	#	#	12/3/98	6010B	Selenium	7782492	SOIL		ND			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB095 3-4	11/6/98	#	#	12/3/98	6010B	Selenium	7782492	SOIL		ND			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB058 3-4	11/4/98	#	#	11/26/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB059 3-4	11/4/98	#	#	11/26/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB060 2-3	11/4/98	#	#	11/26/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB061 2-3	11/4/98	#	#	11/26/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	1	A	SB062 2-3	11/6/98	#	#	11/30/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	7	A	SB066 3-4	11/6/98	#	#	11/27/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	8	A	SB067 2-3	11/6/98	#	#	11/27/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB068 2-3	11/5/98	#	#	11/26/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB069 3-6	11/5/98	#	#	11/26/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB070 3-5	11/5/98	#	#	11/26/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	9	A	SB071 2-3	11/6/98	#	#	11/27/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB072 3-4	11/5/98	#	#	11/26/98	6010B	Silver	7440224	SOIL	0.87				mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB074 3-4	11/5/98	#	#	11/26/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB075 9-12	11/5/98	#	#	11/26/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB076 3-4	11/10/98	#	#	11/27/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB077 2-3	11/10/98	#	#	11/27/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB078 2-3	11/10/98	#	#	11/27/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB079 3-4	11/10/98	#	#	11/27/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB080 2-3	11/10/98	#	#	11/27/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB081 2-3	11/10/98	#	#	11/27/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB082 3-4	11/6/98	#	#	11/30/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB083 2-3	11/10/98	#	#	11/30/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB084 3-4	11/10/98	#	#	11/30/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB085 3-4	11/10/98	#	#	12/3/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB086 2-3	11/10/98	#	#	12/3/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB095 3-4	11/6/98	#	#	12/3/98	6010B	Silver	7440224	SOIL		ND			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0

SUMMARY OF TOTAL METALS TESTS
FOR HALLER PROPERTY,
DENVER, COLORADO

#	#	A	SB095 3-4	11/6/98	#	#	12/3/98	6010B	Chromium	7440473	SOIL	8.4			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0
#	#	A	SB058 3-4	11/4/98	#	#	12/1/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	30 NOV 98JX	30 NOV 98JX	1.0
#	#	A	SB059 3-4	11/4/98	#	#	12/1/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	30 NOV 98JX	30 NOV 98JX	1.0
#	#	A	SB060 2-3	11/4/98	#	#	12/1/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	30 NOV 98JX	30 NOV 98JX	1.0
#	#	A	SB061 2-3	11/4/98	#	#	12/1/98	SW7471A	Mercury	7439976	SOIL	0.11			mg/kg	0.1	30 NOV 98JX	30 NOV 98JX	1.0
#	1	A	SB062 2-3	11/6/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	7	A	SB066 3-4	11/6/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL	0.12			mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	8	A	SB067 2-3	11/6/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB068 2-3	11/5/98	#	#	12/1/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	30 NOV 98KX	30 NOV 98KX	1.0
#	#	A	SB069 3-6	11/5/98	#	#	12/1/98	SW7471A	Mercury	7439976	SOIL	0.27			mg/kg	0.1	30 NOV 98KX	30 NOV 98KX	1.0
#	#	A	SB070 3-5	11/5/98	#	#	12/1/98	SW7471A	Mercury	7439976	SOIL	0.16			mg/kg	0.1	30 NOV 98KX	30 NOV 98KX	1.0
#	9	A	SB071 2-3	11/6/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB072 3-4	11/5/98	#	#	12/1/98	SW7471A	Mercury	7439976	SOIL	0.18			mg/kg	0.1	30 NOV 98KX	30 NOV 98KX	1.0
#	#	A	SB074 3-4	11/5/98	#	#	12/1/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	30 NOV 98KX	30 NOV 98KX	1.0
#	#	A	SB075 9-12	11/5/98	#	#	12/1/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	30 NOV 98KX	30 NOV 98KX	1.0
#	#	A	SB076 3-4	11/10/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB077 2-3	11/10/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL	0.12			mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB078 2-3	11/10/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB079 3-4	11/10/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB080 2-3	11/10/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB081 2-3	11/10/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB082 3-4	11/6/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB083 2-3	11/10/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB084 3-4	11/10/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL	0.21			mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB085 3-4	11/10/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB086 2-3	11/10/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
#	#	A	SB095 3-4	11/6/98	#	#	12/2/98	SW7471A	Mercury	7439976	SOIL		ND		mg/kg	0.1	02 DEC 98IX	02 DEC 98IX	1.0
#	#	A	SB058 3-4	11/4/98	#	#	11/26/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB059 3-4	11/4/98	#	#	11/26/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB060 2-3	11/4/98	#	#	11/26/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB061 2-3	11/4/98	#	#	11/26/98	6010B	Selenium	7782492	SOIL	0.56			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	1	A	SB062 2-3	11/6/98	#	#	11/30/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	7	A	SB066 3-4	11/6/98	#	#	11/27/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	8	A	SB067 2-3	11/6/98	#	#	11/27/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB068 2-3	11/5/98	#	#	11/26/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB069 3-6	11/5/98	#	#	11/26/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB070 3-5	11/5/98	#	#	11/26/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	9	A	SB071 2-3	11/6/98	#	#	11/27/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB072 3-4	11/5/98	#	#	11/26/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB074 3-4	11/5/98	#	#	11/26/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB075 9-12	11/5/98	#	#	11/26/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
#	#	A	SB076 3-4	11/10/98	#	#	11/27/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB077 2-3	11/10/98	#	#	11/27/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
#	#	A	SB078 2-3	11/10/98	#	#	11/27/98	6010B	Selenium	7782492	SOIL		ND		mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0

EVS QUALITY CONTROL DATA SET
HALLER PROPERTY
DENVER, COLORADO

UNK1	B	B	B	SAMPLEID	P	C	PREPDT	ANLYZDT	METHOD	PARAMETER		MATRIX	RESULT	QC1	UNK3	UNITS	RL	XDT1	XDT2	DIL2	Field22
CRLGG				BLANK			08-Dec-98	09-Dec-98	6010B	Arsenic	#	LEACHATE	ND			mg/L	0.5	08 DEC 98MX	08 DEC 98MX	1.0	
CRLGG				BLANK			10-Dec-98	11-Dec-98	6010B	Arsenic	#	LEACHATE	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG				BLANK			10-Dec-98	10-Dec-98	6010B	Arsenic	#	LEACHATE	ND			mg/L	0.5	10 DEC 98NX	10 DEC 98NX	1.0	
CRLGG				BLANK			10-Dec-98	11-Dec-98	6010B	Arsenic	#	LEACHATE	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG				BLANK			11-Dec-98	12-Dec-98	6010B	Arsenic	#	LEACHATE	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0	
CRLGG				BLANK			14-Dec-98	15-Dec-98	6010B	Arsenic	#	LEACHATE	ND			mg/L	0.5	14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG				BLANK			14-Dec-98	15-Dec-98	6010B	Arsenic	#	LEACHATE	ND			mg/L	0.5	14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG				BLANK			14-Dec-98	14-Dec-98	6010B	Arsenic	#	LEACHATE	ND			mg/L	0.5	14 DEC 98NX1	14 DEC 98NX1	1.0	
CRLGG				BLANK			14-Dec-98	15-Dec-98	6010B	Arsenic	#	LEACHATE	ND			mg/L	0.5	14 DEC 98MX2	14 DEC 98MX2	1.0	
CRLGG				BLANK			23-Nov-98	24-Nov-98	6010B	Arsenic	#	SOLID	ND			mg/kg	1	23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG				BLANK			24-Nov-98	25-Nov-98	6010B	Arsenic	#	SOLID	ND			mg/kg	1	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG				BLANK			24-Nov-98	25-Nov-98	6010B	Arsenic	#	SOLID	ND			mg/kg	1	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG				BLANK			24-Nov-98	25-Nov-98	6010B	Arsenic	#	SOLID	ND			mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG				BLANK			25-Nov-98	30-Nov-98	6010B	Arsenic	#	SOLID	ND			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG				BLANK			02-Dec-98	17-Dec-98	6010B	Arsenic	#	SOLID	ND			mg/kg	1	02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG				BLANK			03-Dec-98	04-Dec-98	6010B	Arsenic	#	SOLID	ND			mg/kg	1	03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG				BLANK			05-Dec-98	07-Dec-98	6010B	Arsenic	#	SOLID	ND			mg/kg	1	05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG				BLANK			08-Dec-98	09-Dec-98	6010B	Barium	#	LEACHATE	ND			mg/L	10	08 DEC 98MX	08 DEC 98MX	1.0	
CRLGG				BLANK			10-Dec-98	11-Dec-98	6010B	Barium	#	LEACHATE	ND			mg/L	10	10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG				BLANK			10-Dec-98	10-Dec-98	6010B	Barium	#	LEACHATE	ND			mg/L	10	10 DEC 98NX	10 DEC 98NX	1.0	
CRLGG				BLANK			10-Dec-98	11-Dec-98	6010B	Barium	#	LEACHATE	ND			mg/L	10	10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG				BLANK			11-Dec-98	12-Dec-98	6010B	Barium	#	LEACHATE	ND			mg/L	10	11 DEC 98MX1	11 DEC 98MX1	1.0	
CRLGG				BLANK			14-Dec-98	15-Dec-98	6010B	Barium	#	LEACHATE	ND			mg/L	10	14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG				BLANK			14-Dec-98	15-Dec-98	6010B	Barium	#	LEACHATE	ND			mg/L	10	14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG				BLANK			14-Dec-98	14-Dec-98	6010B	Barium	#	LEACHATE	ND			mg/L	10	14 DEC 98NX1	14 DEC 98NX1	1.0	
CRLGG				BLANK			14-Dec-98	15-Dec-98	6010B	Barium	#	LEACHATE	ND			mg/L	10	14 DEC 98MX2	14 DEC 98MX2	1.0	
CRLGG				BLANK			23-Nov-98	24-Nov-98	6010B	Barium	#	SOLID	ND			mg/kg	1	23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG				BLANK			24-Nov-98	25-Nov-98	6010B	Barium	#	SOLID	ND			mg/kg	1	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG				BLANK			24-Nov-98	25-Nov-98	6010B	Barium	#	SOLID	ND			mg/kg	1	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG				BLANK			24-Nov-98	25-Nov-98	6010B	Barium	#	SOLID	ND			mg/kg	1	24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG				BLANK			25-Nov-98	30-Nov-98	6010B	Barium	#	SOLID	ND			mg/kg	1	25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG				BLANK			02-Dec-98	17-Dec-98	6010B	Barium	#	SOLID	ND			mg/kg	1	02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG				BLANK			03-Dec-98	04-Dec-98	6010B	Barium	#	SOLID	ND			mg/kg	1	03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG				BLANK			05-Dec-98	07-Dec-98	6010B	Barium	#	SOLID	ND			mg/kg	1	05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG				BLANK			08-Dec-98	09-Dec-98	6010B	Cadmium	#	LEACHATE	ND			mg/L	0.1	08 DEC 98MX	08 DEC 98MX	1.0	
CRLGG				BLANK			10-Dec-98	11-Dec-98	6010B	Cadmium	#	LEACHATE	ND			mg/L	0.1	10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG				BLANK			10-Dec-98	10-Dec-98	6010B	Cadmium	#	LEACHATE	ND			mg/L	0.1	10 DEC 98NX	10 DEC 98NX	1.0	
CRLGG				BLANK			10-Dec-98	11-Dec-98	6010B	Cadmium	#	LEACHATE	ND			mg/L	0.1	10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG				BLANK			11-Dec-98	12-Dec-98	6010B	Cadmium	#	LEACHATE	ND			mg/L	0.1	11 DEC 98MX1	11 DEC 98MX1	1.0	
CRLGG				BLANK			14-Dec-98	15-Dec-98	6010B	Cadmium	#	LEACHATE	ND			mg/L	0.1	14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG				BLANK			14-Dec-98	15-Dec-98	6010B	Cadmium	#	LEACHATE	ND			mg/L	0.1	14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG				BLANK			14-Dec-98	14-Dec-98	6010B	Cadmium	#	LEACHATE	ND			mg/L	0.1	14 DEC 98NX1	14 DEC 98NX1	1.0	
CRLGG				BLANK			14-Dec-98	15-Dec-98	6010B	Cadmium	#	LEACHATE	ND			mg/L	0.1	14 DEC 98MX2	14 DEC 98MX2	1.0	
CRLGG				BLANK			23-Nov-98	24-Nov-98	6010B	Cadmium	#	SOLID	ND			mg/kg	0.2	23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG				BLANK			24-Nov-98	25-Nov-98	6010B	Cadmium	#	SOLID	ND			mg/kg	0.2	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG				BLANK			24-Nov-98	25-Nov-98	6010B	Cadmium	#	SOLID	ND			mg/kg	0.2	24 NOV 98QX	24 NOV 98QX	1.0	

CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Cadmium	#	SOLID	ND		mg/kg	0.2	24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG			BLANK	25-Nov-98	30-Nov-98	6010B	Cadmium	#	SOLID	ND		mg/kg	0.2	25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG			BLANK	02-Dec-98	17-Dec-98	6010B	Cadmium	#	SOLID	ND		mg/kg	0.2	02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG			BLANK	03-Dec-98	04-Dec-98	6010B	Cadmium	#	SOLID	ND		mg/kg	0.2	03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG			BLANK	05-Dec-98	07-Dec-98	6010B	Cadmium	#	SOLID	ND		mg/kg	0.2	05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG			BLANK	08-Dec-98	09-Dec-98	6010B	Chromium	#	LEACHATE	ND		mg/L	0.5	08 DEC 98MX	08 DEC 98MX	1.0	
CRLGG			BLANK	10-Dec-98	11-Dec-98	6010B	Chromium	#	LEACHATE	ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			BLANK	10-Dec-98	10-Dec-98	6010B	Chromium	#	LEACHATE	ND		mg/L	0.5	10 DEC 98NX	10 DEC 98NX	1.0	
CRLGG			BLANK	10-Dec-98	11-Dec-98	6010B	Chromium	#	LEACHATE	ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			BLANK	11-Dec-98	12-Dec-98	6010B	Chromium	#	LEACHATE	ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0	
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Chromium	#	LEACHATE	ND		mg/L	0.5	14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Chromium	#	LEACHATE	ND		mg/L	0.5	14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG			BLANK	14-Dec-98	14-Dec-98	6010B	Chromium	#	LEACHATE	ND		mg/L	0.5	14 DEC 98NX1	14 DEC 98NX1	1.0	
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Chromium	#	LEACHATE	ND		mg/L	0.5	14 DEC 98MX2	14 DEC 98MX2	1.0	
CRLGG			BLANK	23-Nov-98	24-Nov-98	6010B	Chromium	#	SOLID	ND		mg/kg	0.5	23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Chromium	#	SOLID	ND		mg/kg	0.5	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Chromium	#	SOLID	ND		mg/kg	0.5	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Chromium	#	SOLID	ND		mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG			BLANK	25-Nov-98	30-Nov-98	6010B	Chromium	#	SOLID	ND		mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG			BLANK	02-Dec-98	17-Dec-98	6010B	Chromium	#	SOLID	ND		mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG			BLANK	03-Dec-98	04-Dec-98	6010B	Chromium	#	SOLID	ND		mg/kg	0.5	03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG			BLANK	05-Dec-98	07-Dec-98	6010B	Chromium	#	SOLID	ND		mg/kg	0.5	05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG			BLANK	08-Dec-98	09-Dec-98	6010B	Lead	#	LEACHATE	ND		mg/L	0.5	08 DEC 98MX	08 DEC 98MX	1.0	
CRLGG			BLANK	10-Dec-98	11-Dec-98	6010B	Lead	#	LEACHATE	ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			BLANK	10-Dec-98	10-Dec-98	6010B	Lead	#	LEACHATE	ND		mg/L	0.5	10 DEC 98NX	10 DEC 98NX	1.0	
CRLGG			BLANK	10-Dec-98	11-Dec-98	6010B	Lead	#	LEACHATE	ND		mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			BLANK	11-Dec-98	12-Dec-98	6010B	Lead	#	LEACHATE	ND		mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0	
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Lead	#	LEACHATE	ND		mg/L	0.5	14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Lead	#	LEACHATE	ND		mg/L	0.5	14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG			BLANK	14-Dec-98	14-Dec-98	6010B	Lead	#	LEACHATE	ND		mg/L	0.5	14 DEC 98NX1	14 DEC 98NX1	1.0	
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Lead	#	LEACHATE	ND		mg/L	0.5	14 DEC 98MX2	14 DEC 98MX2	1.0	
CRLGG			BLANK	23-Nov-98	24-Nov-98	6010B	Lead	#	SOLID	ND		mg/kg	0.3	23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Lead	#	SOLID	ND		mg/kg	0.3	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Lead	#	SOLID	ND		mg/kg	0.3	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Lead	#	SOLID	ND		mg/kg	0.3	24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG			BLANK	25-Nov-98	30-Nov-98	6010B	Lead	#	SOLID	ND		mg/kg	0.3	25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG			BLANK	02-Dec-98	17-Dec-98	6010B	Lead	#	SOLID	ND		mg/kg	0.3	02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG			BLANK	03-Dec-98	04-Dec-98	6010B	Lead	#	SOLID	ND		mg/kg	0.3	03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG			BLANK	05-Dec-98	07-Dec-98	6010B	Lead	#	SOLID	ND		mg/kg	0.3	05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG			BLANK	20-Nov-98	23-Nov-98	7470A	Mercury	#	LEACHATE	ND		mg/L	0.002	20 NOV 98MX	20 NOV 98MX	1.0	
CRLGG			BLANK	20-Nov-98	24-Nov-98	7470A	Mercury	#	LEACHATE	ND		mg/L	0.002	20 NOV 98MX1	20 NOV 98MX1	1.0	
CRLGG			BLANK	23-Nov-98	24-Nov-98	7470A	Mercury	#	LEACHATE	ND		mg/L	0.002	23 NOV 98NX	23 NOV 98NX	1.0	
CRLGG			BLANK	23-Nov-98	24-Nov-98	7470A	Mercury	#	LEACHATE	ND		mg/L	0.002	23 NOV 98MX1	23 NOV 98MX1	1.0	
CRLGG			BLANK	24-Nov-98	25-Nov-98	7470A	Mercury	#	LEACHATE	ND		mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0	
CRLGG			BLANK	24-Nov-98	25-Nov-98	7470A	Mercury	#	LEACHATE	ND		mg/L	0.002	24 NOV 98MX	24 NOV 98MX	1.0	
CRLGG			BLANK	27-Nov-98	30-Nov-98	7470A	Mercury	#	LEACHATE	ND		mg/L	0.002	27 NOV 98MX	27 NOV 98MX	1.0	

CRLGG			LCS	08-Dec-98	09-Dec-98	6010B	Arsenic	#	LEACHATE	4.89	5	mg/L		08 DEC 98MX	08 DEC 98MX	1.0	
CRLGG			LCS	10-Dec-98	11-Dec-98	6010B	Arsenic	#	LEACHATE	5.22	5	mg/L		10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			LCS	10-Dec-98	10-Dec-98	6010B	Arsenic	#	LEACHATE	1.02	1	mg/L		10 DEC 98NX	10 DEC 98NX	1.0	
CRLGG			LCS	10-Dec-98	11-Dec-98	6010B	Arsenic	#	LEACHATE	5.22	5	mg/L		10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			LCS	11-Dec-98	12-Dec-98	6010B	Arsenic	#	LEACHATE	5.17	5	mg/L		11 DEC 98MX1	11 DEC 98MX1	1.0	
CRLGG			LCS	14-Dec-98	15-Dec-98	6010B	Arsenic	#	LEACHATE	4.95	5	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG			LCS	14-Dec-98	15-Dec-98	6010B	Arsenic	#	LEACHATE	4.95	5	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG			LCS	14-Dec-98	14-Dec-98	6010B	Arsenic	#	LEACHATE	4.97	5	mg/L		14 DEC 98NX1	14 DEC 98NX1	1.0	
CRLGG			LCS	14-Dec-98	15-Dec-98	6010B	Arsenic	#	LEACHATE	5.25	5	mg/L		14 DEC 98MX2	14 DEC 98MX2	1.0	
CRLGG			MS	11-Dec-98	12-Dec-98	6010B	Arsenic	#	LEACHATE	99	100	%		11 DEC 98MX1	11 DEC 98MA	1.0	
CRLGG			MS	14-Dec-98	15-Dec-98	6010B	Arsenic	#	LEACHATE	94	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0	
CRLGG			MSD	11-Dec-98	12-Dec-98	6010B	Arsenic	#	LEACHATE	94	100	%		11 DEC 98MX1	11 DEC 98MA	1.0	
CRLGG			MSD	14-Dec-98	15-Dec-98	6010B	Arsenic	#	LEACHATE	94	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0	
CRLGG			LCS	08-Dec-98	09-Dec-98	6010B	Barium	#	LEACHATE	47.7	50	mg/L		08 DEC 98MX	08 DEC 98MX	1.0	
CRLGG			LCS	10-Dec-98	11-Dec-98	6010B	Barium	#	LEACHATE	53.9	50	mg/L		10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			LCS	10-Dec-98	10-Dec-98	6010B	Barium	#	LEACHATE	0 965	1	mg/L		10 DEC 98NX	10 DEC 98NX	1.0	
CRLGG			LCS	10-Dec-98	11-Dec-98	6010B	Barium	#	LEACHATE	53.9	50	mg/L		10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			LCS	11-Dec-98	12-Dec-98	6010B	Barium	#	LEACHATE	53 8	50	mg/L		11 DEC 98MX1	11 DEC 98MX1	1.0	
CRLGG			LCS	14-Dec-98	15-Dec-98	6010B	Barium	#	LEACHATE	50.3	50	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG			LCS	14-Dec-98	15-Dec-98	6010B	Barium	#	LEACHATE	50.3	50	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG			LCS	14-Dec-98	14-Dec-98	6010B	Barium	#	LEACHATE	52.2	50	mg/L		14 DEC 98NX1	14 DEC 98NX1	1.0	
CRLGG			LCS	14-Dec-98	15-Dec-98	6010B	Barium	#	LEACHATE	55.1	50	mg/L		14 DEC 98MX2	14 DEC 98MX2	1.0	
CRLGG			MS	11-Dec-98	12-Dec-98	6010B	Barium	#	LEACHATE	102	100	%		11 DEC 98MX1	11 DEC 98MA	1.0	
CRLGG			MS	14-Dec-98	15-Dec-98	6010B	Barium	#	LEACHATE	90	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0	
CRLGG			MSD	11-Dec-98	12-Dec-98	6010B	Barium	#	LEACHATE	96	100	%		11 DEC 98MX1	11 DEC 98MA	1.0	
CRLGG			MSD	14-Dec-98	15-Dec-98	6010B	Barium	#	LEACHATE	86	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0	
CRLGG			LCS	08-Dec-98	09-Dec-98	6010B	Cadmium	#	LEACHATE	0.919	1	mg/L		08 DEC 98MX	08 DEC 98MX	1.0	
CRLGG			LCS	10-Dec-98	11-Dec-98	6010B	Cadmium	#	LEACHATE	0.986	1	mg/L		10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			LCS	10-Dec-98	10-Dec-98	6010B	Cadmium	#	LEACHATE	0.955	1	mg/L		10 DEC 98NX	10 DEC 98NX	1.0	
CRLGG			LCS	10-Dec-98	11-Dec-98	6010B	Cadmium	#	LEACHATE	0.986	1	mg/L		10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			LCS	11-Dec-98	12-Dec-98	6010B	Cadmium	#	LEACHATE	0.970	1	mg/L		11 DEC 98MX1	11 DEC 98MX1	1.0	
CRLGG			LCS	14-Dec-98	15-Dec-98	6010B	Cadmium	#	LEACHATE	0.932	1	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG			LCS	14-Dec-98	15-Dec-98	6010B	Cadmium	#	LEACHATE	0.932	1	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG			LCS	14-Dec-98	14-Dec-98	6010B	Cadmium	#	LEACHATE	0.933	1	mg/L		14 DEC 98NX1	14 DEC 98NX1	1.0	
CRLGG			LCS	14-Dec-98	15-Dec-98	6010B	Cadmium	#	LEACHATE	0.946	1	mg/L		14 DEC 98MX2	14 DEC 98MX2	1.0	
CRLGG			MS	11-Dec-98	12-Dec-98	6010B	Cadmium	#	LEACHATE	94	100	%		11 DEC 98MX1	11 DEC 98MA	1.0	
CRLGG			MS	14-Dec-98	15-Dec-98	6010B	Cadmium	#	LEACHATE	87	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0	
CRLGG			MSD	11-Dec-98	12-Dec-98	6010B	Cadmium	#	LEACHATE	89	100	%		11 DEC 98MX1	11 DEC 98MA	1.0	
CRLGG			MSD	14-Dec-98	15-Dec-98	6010B	Cadmium	#	LEACHATE	87	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0	
CRLGG			LCS	08-Dec-98	09-Dec-98	6010B	Chromium	#	LEACHATE	4.90	5	mg/L		08 DEC 98MX	08 DEC 98MX	1.0	
CRLGG			LCS	10-Dec-98	11-Dec-98	6010B	Chromium	#	LEACHATE	5.08	5	mg/L		10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG			LCS	10-Dec-98	10-Dec-98	6010B	Chromium	#	LEACHATE	1.00	1	mg/L		10 DEC 98NX	10 DEC 98NX	1.0	

EVS QUALITY CONTROL DATA SET
HALLER PROPERTY
DENVER, COLORADO

CRLGG			BLANK	20-Nov-98	24-Nov-98	7470A	Mercury	#	LEACHATE	ND			mg/L	0.002	20 NOV 98MX1	20 NOV 98MX1	1.0
CRLGG			BLANK	23-Nov-98	24-Nov-98	7470A	Mercury	#	LEACHATE	ND			mg/L	0.002	23 NOV 98NX	23 NOV 98NX	1.0
CRLGG			BLANK	30-Nov-98	30-Nov-98	SW7471A	Mercury	#	SOLID	ND			mg/kg	0.1	30 NOV 98HX	30 NOV 98HX	1.0
CRLGG			BLANK	30-Nov-98	30-Nov-98	SW7471A	Mercury	#	SOLID	ND			mg/kg	0.1	30 NOV 98IX	30 NOV 98IX	1.0
CRLGG			BLANK	30-Nov-98	01-Dec-98	SW7471A	Mercury	#	SOLID	ND			mg/kg	0.1	30 NOV 98JX	30 NOV 98JX	1.0
CRLGG			BLANK	30-Nov-98	01-Dec-98	SW7471A	Mercury	#	SOLID	ND			mg/kg	0.1	30 NOV 98KX	30 NOV 98KX	1.0
CRLGG			BLANK	02-Dec-98	02-Dec-98	SW7471A	Mercury	#	SOLID	ND			mg/kg	0.1	02 DEC 98HX	02 DEC 98HX	1.0
CRLGG			BLANK	02-Dec-98	02-Dec-98	SW7471A	Mercury	#	SOLID	ND			mg/kg	0.1	02 DEC 98IX	02 DEC 98IX	1.0
CRLGG			BLANK	03-Dec-98	04-Dec-98	SW7471A	Mercury	#	SOLID	ND			mg/kg	0.1	03 DEC 98KX	03 DEC 98KX	1.0
CRLGG			BLANK	07-Dec-98	07-Dec-98	SW7471A	Mercury	#	SOLID	ND			mg/kg	0.1	07 DEC 98HX	07 DEC 98HX	1.0
CRLGG			BLANK	27-Nov-98	27-Nov-98	SW7471A	Mercury	#	SOLID	ND			mg/kg	0.1	27 NOV 98HX	27 NOV 98HX	1.0
CRLGG			BLANK	08-Dec-98	09-Dec-98	6010B	Selenium	#	LEACHATE	ND			mg/L	0.25	08 DEC 98MX	08 DEC 98MX	1.0
CRLGG			BLANK	10-Dec-98	11-Dec-98	6010B	Selenium	#	LEACHATE	ND			mg/L	0.25	10 DEC 98MX	10 DEC 98MX	1.0
CRLGG			BLANK	10-Dec-98	10-Dec-98	6010B	Selenium	#	LEACHATE	ND			mg/L	0.25	10 DEC 98NX	10 DEC 98NX	1.0
CRLGG			BLANK	10-Dec-98	11-Dec-98	6010B	Selenium	#	LEACHATE	ND			mg/L	0.25	10 DEC 98MX	10 DEC 98MX	1.0
CRLGG			BLANK	11-Dec-98	12-Dec-98	6010B	Selenium	#	LEACHATE	ND			mg/L	0.25	11 DEC 98MX1	11 DEC 98MX1	1.0
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Selenium	#	LEACHATE	ND			mg/L	0.25	14 DEC 98MX1	14 DEC 98MX1	1.0
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Selenium	#	LEACHATE	ND			mg/L	0.25	14 DEC 98MX1	14 DEC 98MX1	1.0
CRLGG			BLANK	14-Dec-98	14-Dec-98	6010B	Selenium	#	LEACHATE	ND			mg/L	0.25	14 DEC 98NX1	14 DEC 98NX1	1.0
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Selenium	#	LEACHATE	ND			mg/L	0.25	14 DEC 98MX2	14 DEC 98MX2	1.0
CRLGG			BLANK	23-Nov-98	24-Nov-98	6010B	Selenium	#	SOLID	ND			mg/kg	0.5	23 NOV 98PX	23 NOV 98PX	1.0
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Selenium	#	SOLID	ND			mg/kg	0.5	24 NOV 98QX	24 NOV 98QX	1.0
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Selenium	#	SOLID	ND			mg/kg	0.5	24 NOV 98QX	24 NOV 98QX	1.0
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Selenium	#	SOLID	ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
CRLGG			BLANK	25-Nov-98	30-Nov-98	6010B	Selenium	#	SOLID	ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
CRLGG			BLANK	02-Dec-98	17-Dec-98	6010B	Selenium	#	SOLID	ND			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0
CRLGG			BLANK	03-Dec-98	04-Dec-98	6010B	Selenium	#	SOLID	ND			mg/kg	0.5	03 DEC 98RX	03 DEC 98RX	1.0
CRLGG			BLANK	05-Dec-98	07-Dec-98	6010B	Selenium	#	SOLID	ND			mg/kg	0.5	05 DEC 98OX	05 DEC 98OX	1.0
CRLGG			BLANK	08-Dec-98	09-Dec-98	6010B	Silver	#	LEACHATE	ND			mg/L	0.5	08 DEC 98MX	08 DEC 98MX	1.0
CRLGG			BLANK	10-Dec-98	11-Dec-98	6010B	Silver	#	LEACHATE	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
CRLGG			BLANK	10-Dec-98	10-Dec-98	6010B	Silver	#	LEACHATE	ND			mg/L	0.5	10 DEC 98NX	10 DEC 98NX	1.0
CRLGG			BLANK	10-Dec-98	11-Dec-98	6010B	Silver	#	LEACHATE	ND			mg/L	0.5	10 DEC 98MX	10 DEC 98MX	1.0
CRLGG			BLANK	11-Dec-98	12-Dec-98	6010B	Silver	#	LEACHATE	ND			mg/L	0.5	11 DEC 98MX1	11 DEC 98MX1	1.0
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Silver	#	LEACHATE	ND			mg/L	0.5	14 DEC 98MX1	14 DEC 98MX1	1.0
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Silver	#	LEACHATE	ND			mg/L	0.5	14 DEC 98MX1	14 DEC 98MX1	1.0
CRLGG			BLANK	14-Dec-98	14-Dec-98	6010B	Silver	#	LEACHATE	ND			mg/L	0.5	14 DEC 98NX1	14 DEC 98NX1	1.0
CRLGG			BLANK	14-Dec-98	15-Dec-98	6010B	Silver	#	LEACHATE	ND			mg/L	0.5	14 DEC 98MX2	14 DEC 98MX2	1.0
CRLGG			BLANK	23-Nov-98	24-Nov-98	6010B	Silver	#	SOLID	ND			mg/kg	0.5	23 NOV 98PX	23 NOV 98PX	1.0
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Silver	#	SOLID	ND			mg/kg	0.5	24 NOV 98QX	24 NOV 98QX	1.0
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Silver	#	SOLID	ND			mg/kg	0.5	24 NOV 98QX	24 NOV 98QX	1.0
CRLGG			BLANK	24-Nov-98	25-Nov-98	6010B	Silver	#	SOLID	ND			mg/kg	0.5	24 NOV 98RX	24 NOV 98RX	1.0
CRLGG			BLANK	25-Nov-98	30-Nov-98	6010B	Silver	#	SOLID	ND			mg/kg	0.5	25 NOV 98PX	25 NOV 98PX	1.0
CRLGG			BLANK	02-Dec-98	17-Dec-98	6010B	Silver	#	SOLID	ND			mg/kg	0.5	02 DEC 98QX5	02 DEC 98QX5	1.0
CRLGG			BLANK	03-Dec-98	04-Dec-98	6010B	Silver	#	SOLID	ND			mg/kg	0.5	03 DEC 98RX	03 DEC 98RX	1.0
CRLGG			BLANK	05-Dec-98	07-Dec-98	6010B	Silver	#	SOLID	ND			mg/kg	0.5	05 DEC 98OX	05 DEC 98OX	1.0

EVS QUALITY CONTROL DATA SET
HALLER PROPERTY
DENVER, COLORADO

CRLGG		LCS	10-Dec-98	11-Dec-98	6010B	Chromium	#	LEACHATE	5.08	5	mg/L		10 DEC 98MX	10 DEC 98MX	1.0		
CRLGG		LCS	11-Dec-98	12-Dec-98	6010B	Chromium	#	LEACHATE	5.02	5	mg/L		11 DEC 98MX1	11 DEC 98MX1	1.0		
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Chromium	#	LEACHATE	4.81	5	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0		
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Chromium	#	LEACHATE	4.81	5	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0		
CRLGG		LCS	14-Dec-98	14-Dec-98	6010B	Chromium	#	LEACHATE	4.92	5	mg/L		14 DEC 98NX1	14 DEC 98NX1	1.0		
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Chromium	#	LEACHATE	5.16	5	mg/L		14 DEC 98MX2	14 DEC 98MX2	1.0		
CRLGG		MS	11-Dec-98	12-Dec-98	6010B	Chromium	#	LEACHATE	95	100	%		11 DEC 98MX1	11 DEC 98MA	1.0		
CRLGG		MS	14-Dec-98	15-Dec-98	6010B	Chromium	#	LEACHATE	88	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0		
CRLGG		MSD	11-Dec-98	12-Dec-98	6010B	Chromium	#	LEACHATE	91	100	%		11 DEC 98MX1	11 DEC 98MA	1.0		
CRLGG		MSD	14-Dec-98	15-Dec-98	6010B	Chromium	#	LEACHATE	88	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0		
CRLGG		LCS	08-Dec-98	09-Dec-98	6010B	Lead	#	LEACHATE	4.54	5	mg/L		08 DEC 98MX	08 DEC 98MX	1.0		
CRLGG		LCS	10-Dec-98	11-Dec-98	6010B	Lead	#	LEACHATE	4.73	5	mg/L		10 DEC 98MX	10 DEC 98MX	1.0		
CRLGG		LCS	10-Dec-98	10-Dec-98	6010B	Lead	#	LEACHATE	0.932	1	mg/L		10 DEC 98NX	10 DEC 98NX	1.0		
CRLGG		LCS	10-Dec-98	11-Dec-98	6010B	Lead	#	LEACHATE	4.73	5	mg/L		10 DEC 98MX	10 DEC 98MX	1.0		
CRLGG		LCS	11-Dec-98	12-Dec-98	6010B	Lead	#	LEACHATE	4.65	5	mg/L		11 DEC 98MX1	11 DEC 98MX1	1.0		
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Lead	#	LEACHATE	4.42	5	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0		
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Lead	#	LEACHATE	4.42	5	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0		
CRLGG		LCS	14-Dec-98	14-Dec-98	6010B	Lead	#	LEACHATE	4.48	5	mg/L		14 DEC 98NX1	14 DEC 98NX1	1.0		
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Lead	#	LEACHATE	4.65	5	mg/L		14 DEC 98MX2	14 DEC 98MX2	1.0		
CRLGG		MS	11-Dec-98	12-Dec-98	6010B	Lead	#	LEACHATE	89	100	%		11 DEC 98MX1	11 DEC 98MA	1.0		
CRLGG		MS	14-Dec-98	15-Dec-98	6010B	Lead	#	LEACHATE	80	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0		
CRLGG		MSD	11-Dec-98	12-Dec-98	6010B	Lead	#	LEACHATE	85	100	%		11 DEC 98MX1	11 DEC 98MA	1.0		
CRLGG		MSD	14-Dec-98	15-Dec-98	6010B	Lead	#	LEACHATE	78	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0		
CRLGG		LCS	20-Nov-98	23-Nov-98	7470A	Mercury	#	LEACHATE	0.00510	0.005	mg/L		20 NOV 98MX	20 NOV 98MX	1.0		
CRLGG		LCS	20-Nov-98	24-Nov-98	7470A	Mercury	#	LEACHATE	0.00535	0.005	mg/L		20 NOV 98MX1	20 NOV 98MX1	1.0		
CRLGG		LCS	23-Nov-98	24-Nov-98	7470A	Mercury	#	LEACHATE	0.00516	0.005	mg/L		23 NOV 98NX	23 NOV 98NX	1.0		
CRLGG		LCS	23-Nov-98	24-Nov-98	7470A	Mercury	#	LEACHATE	0.00532	0.005	mg/L		23 NOV 98MX1	23 NOV 98MX1	1.0		
CRLGG		LCS	24-Nov-98	25-Nov-98	7470A	Mercury	#	LEACHATE	0.00521	0.005	mg/L		24 NOV 98MX	24 NOV 98MX	1.0		
CRLGG		LCS	24-Nov-98	25-Nov-98	7470A	Mercury	#	LEACHATE	0.00521	0.005	mg/L		24 NOV 98MX	24 NOV 98MX	1.0		
CRLGG		LCS	27-Nov-98	30-Nov-98	7470A	Mercury	#	LEACHATE	0.00533	0.005	mg/L		27 NOV 98MX	27 NOV 98MX	1.0		
CRLGG		LCS	20-Nov-98	24-Nov-98	7470A	Mercury	#	LEACHATE	0.00535	0.005	mg/L		20 NOV 98MX1	20 NOV 98MX1	1.0		
CRLGG		LCS	23-Nov-98	24-Nov-98	7470A	Mercury	#	LEACHATE	0.00516	0.005	mg/L		23 NOV 98NX	23 NOV 98NX	1.0		
CRLGG		MS	24-Nov-98	25-Nov-98	7470A	Mercury	#	LEACHATE	107	100	%		24 NOV 98MX	24 NOV 98MA	1.0		
CRLGG		MS	27-Nov-98	30-Nov-98	7470A	Mercury	#	LEACHATE	97	100	%		27 NOV 98MX	27 NOV 98MA	1.0		
CRLGG		MSD	24-Nov-98	25-Nov-98	7470A	Mercury	#	LEACHATE	108	100	%		24 NOV 98MX	24 NOV 98MA	1.0		
CRLGG		MSD	27-Nov-98	30-Nov-98	7470A	Mercury	#	LEACHATE	94	100	%		27 NOV 98MX	27 NOV 98MA	1.0		
CRLGG		LCS	08-Dec-98	09-Dec-98	6010B	Selenium	#	LEACHATE	0.963	1	mg/L		08 DEC 98MX	08 DEC 98MX	1.0		
CRLGG		LCS	10-Dec-98	11-Dec-98	6010B	Selenium	#	LEACHATE	1.04	1	mg/L		10 DEC 98MX	10 DEC 98MX	1.0		
CRLGG		LCS	10-Dec-98	10-Dec-98	6010B	Selenium	#	LEACHATE	1.01	1	mg/L		10 DEC 98NX	10 DEC 98NX	1.0		
CRLGG		LCS	10-Dec-98	11-Dec-98	6010B	Selenium	#	LEACHATE	1.04	1	mg/L		10 DEC 98MX	10 DEC 98MX	1.0		
CRLGG		LCS	11-Dec-98	12-Dec-98	6010B	Selenium	#	LEACHATE	1.02	1	mg/L		11 DEC 98MX1	11 DEC 98MX1	1.0		
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Selenium	#	LEACHATE	0.966	1	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0		
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Selenium	#	LEACHATE	0.966	1	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0		

CRLGG		LCS	14-Dec-98	14-Dec-98	6010B	Selenium	#	LEACHATE	0.989	1	mg/L		14 DEC 98NX1	14 DEC 98NX1	1.0	
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Selenium	#	LEACHATE	1.07	1	mg/L		14 DEC 98MX2	14 DEC 98MX2	1.0	
CRLGG		MS	11-Dec-98	12-Dec-98	6010B	Selenium	#	LEACHATE	98	100	%		11 DEC 98MX1	11 DEC 98MA	1.0	
CRLGG		MS	14-Dec-98	15-Dec-98	6010B	Selenium	#	LEACHATE	91	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0	
CRLGG		MSD	11-Dec-98	12-Dec-98	6010B	Selenium	#	LEACHATE	94	100	%		11 DEC 98MX1	11 DEC 98MA	1.0	
CRLGG		MSD	14-Dec-98	15-Dec-98	6010B	Selenium	#	LEACHATE	91	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0	
CRLGG		LCS	08-Dec-98	09-Dec-98	6010B	Silver	#	LEACHATE	0.842	1	mg/L		08 DEC 98MX	08 DEC 98MX	1.0	
CRLGG		LCS	10-Dec-98	11-Dec-98	6010B	Silver	#	LEACHATE	0.956	1	mg/L		10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG		LCS	10-Dec-98	10-Dec-98	6010B	Silver	#	LEACHATE	0.925	1	mg/L		10 DEC 98NX	10 DEC 98NX	1.0	
CRLGG		LCS	10-Dec-98	11-Dec-98	6010B	Silver	#	LEACHATE	0.956	1	mg/L		10 DEC 98MX	10 DEC 98MX	1.0	
CRLGG		LCS	11-Dec-98	12-Dec-98	6010B	Silver	#	LEACHATE	0.743	1	mg/L		11 DEC 98MX1	11 DEC 98MX1	1.0	
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Silver	#	LEACHATE	0.882	1	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Silver	#	LEACHATE	0.882	1	mg/L		14 DEC 98MX1	14 DEC 98MX1	1.0	
CRLGG		LCS	14-Dec-98	14-Dec-98	6010B	Silver	#	LEACHATE	0 894	1	mg/L		14 DEC 98NX1	14 DEC 98NX1	1.0	
CRLGG		LCS	14-Dec-98	15-Dec-98	6010B	Silver	#	LEACHATE	0 855	1	mg/L		14 DEC 98MX2	14 DEC 98MX2	1.0	
CRLGG		MS	11-Dec-98	12-Dec-98	6010B	Silver	#	LEACHATE	84	100	%		11 DEC 98MX1	11 DEC 98MA	1.0	
CRLGG		MS	14-Dec-98	15-Dec-98	6010B	Silver	#	LEACHATE	79	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0	
CRLGG		MSD	11-Dec-98	12-Dec-98	6010B	Silver	#	LEACHATE	79	100	%		11 DEC 98MX1	11 DEC 98MA	1.0	
CRLGG		MSD	14-Dec-98	15-Dec-98	6010B	Silver	#	LEACHATE	77	100	%		14 DEC 98MX1	14 DEC 98MA1	1.0	
CRLGG		LCS	23-Nov-98	24-Nov-98	6010B	Arsenic	#	SOLID	187	200	mg/kg		23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG		LCS	24-Nov-98	25-Nov-98	6010B	Arsenic	#	SOLID	179	200	mg/kg		24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG		LCS	24-Nov-98	25-Nov-98	6010B	Arsenic	#	SOLID	179	200	mg/kg		24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG		LCS	24-Nov-98	26-Nov-98	6010B	Arsenic	#	SOLID	182	200	mg/kg		24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG		LCS	25-Nov-98	30-Nov-98	6010B	Arsenic	#	SOLID	204	200	mg/kg		25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG		LCS	02-Dec-98	03-Dec-98	6010B	Arsenic	#	SOLID	190	200	mg/kg		02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG		LCS	03-Dec-98	04-Dec-98	6010B	Arsenic	#	SOLID	194	200	mg/kg		03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG		LCS	05-Dec-98	07-Dec-98	6010B	Arsenic	#	SOLID	193	200	mg/kg		05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG		MS	25-Nov-98	30-Nov-98	6010B	Arsenic	#	SOLID	93	100	%		25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG		MS	02-Dec-98	03-Dec-98	6010B	Arsenic	#	SOLID	83	100	%		02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG		MS	03-Dec-98	04-Dec-98	6010B	Arsenic	#	SOLID	88	100	%		03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG		MSD	25-Nov-98	30-Nov-98	6010B	Arsenic	#	SOLID	94	100	%		25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG		MSD	02-Dec-98	03-Dec-98	6010B	Arsenic	#	SOLID	84	100	%		02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG		MSD	03-Dec-98	04-Dec-98	6010B	Arsenic	#	SOLID	89	100	%		03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG		LCS	23-Nov-98	24-Nov-98	6010B	Barium	#	SOLID	194	200	mg/kg		23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG		LCS	24-Nov-98	25-Nov-98	6010B	Barium	#	SOLID	196	200	mg/kg		24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG		LCS	24-Nov-98	25-Nov-98	6010B	Barium	#	SOLID	196	200	mg/kg		24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG		LCS	24-Nov-98	26-Nov-98	6010B	Barium	#	SOLID	198	200	mg/kg		24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG		LCS	25-Nov-98	30-Nov-98	6010B	Barium	#	SOLID	210	200	mg/kg		25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG		LCS	02-Dec-98	03-Dec-98	6010B	Barium	#	SOLID	205	200	mg/kg		02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG		LCS	03-Dec-98	04-Dec-98	6010B	Barium	#	SOLID	200	200	mg/kg		03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG		LCS	05-Dec-98	07-Dec-98	6010B	Barium	#	SOLID	209	200	mg/kg		05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG		MS	25-Nov-98	30-Nov-98	6010B	Barium	#	SOLID	85	100	%		25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG		MS	02-Dec-98	03-Dec-98	6010B	Barium	#	SOLID	88	100	%		02 DEC 98QX5	02 DEC 98QA	1.0	

CRLGG		MSD	25-Nov-98	30-Nov-98	6010B	Lead	#	SOLID	94	100		%	25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG		MSD	02-Dec-98	03-Dec-98	6010B	Lead	#	SOLID	169	100	n	%	02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG		MSD	03-Dec-98	04-Dec-98	6010B	Lead	#	SOLID	NC	100		%	03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG		LCS	30-Nov-98	30-Nov-98	SW7471A	Mercury	#	SOLID	0.822	0.833		mg/kg	30 NOV 98HX	30 NOV 98HX	1.0	
CRLGG		LCS	30-Nov-98	30-Nov-98	SW7471A	Mercury	#	SOLID	0.820	0.833		mg/kg	30 NOV 98IX	30 NOV 98IX	1.0	
CRLGG		LCS	30-Nov-98	01-Dec-98	SW7471A	Mercury	#	SOLID	0.800	0.833		mg/kg	30 NOV 98JX	30 NOV 98JX	1.0	
CRLGG		LCS	30-Nov-98	01-Dec-98	SW7471A	Mercury	#	SOLID	0.788	0.833		mg/kg	30 NOV 98KX	30 NOV 98KX	1.0	
CRLGG		LCS	02-Dec-98	02-Dec-98	SW7471A	Mercury	#	SOLID	0.812	0.833		mg/kg	02 DEC 98HX	02 DEC 98HX	1.0	
CRLGG		LCS	02-Dec-98	02-Dec-98	SW7471A	Mercury	#	SOLID	0.813	0.833		mg/kg	02 DEC 98IX	02 DEC 98IX	1.0	
CRLGG		LCS	03-Dec-98	04-Dec-98	SW7471A	Mercury	#	SOLID	0.793	0.833		mg/kg	03 DEC 98KX	03 DEC 98KX	1.0	
CRLGG		LCS	07-Dec-98	07-Dec-98	SW7471A	Mercury	#	SOLID	0.912	0.833		mg/kg	07 DEC 98HX	07 DEC 98HX	1.0	
CRLGG		LCS	27-Nov-98	27-Nov-98	SW7471A	Mercury	#	SOLID	0.822	0.833		mg/kg	27 NOV 98HX	27 NOV 98HX	1.0	
CRLGG		MS	02-Dec-98	02-Dec-98	SW7471A	Mercury	#	SOLID	103	100		%	02 DEC 98HX	02 DEC 98HA	1.0	
CRLGG		MS	02-Dec-98	02-Dec-98	SW7471A	Mercury	#	SOLID	112	100		%	02 DEC 98IX	02 DEC 98IA	1.0	
CRLGG		MS	03-Dec-98		SW7471A	Mercury	#	SOLID	97	100		%	03 DEC 98KX	03 DEC 98KA	1.0	
CRLGG		MS	07-Dec-98	07-Dec-98	SW7471A	Mercury	#	SOLID	112	100		%	07 DEC 98HX	07 DEC 98HA	1.0	
CRLGG		MSD	02-Dec-98	02-Dec-98	SW7471A	Mercury	#	SOLID	100	100		%	02 DEC 98HX	02 DEC 98HA	1.0	
CRLGG		MSD	02-Dec-98	02-Dec-98	SW7471A	Mercury	#	SOLID	111	100		%	02 DEC 98IX	02 DEC 98IA	1.0	
CRLGG		MSD	03-Dec-98		SW7471A	Mercury	#	SOLID	101	100		%	03 DEC 98KX	03 DEC 98KA	1.0	
CRLGG		MSD	07-Dec-98	07-Dec-98	SW7471A	Mercury	#	SOLID	112	100		%	07 DEC 98HX	07 DEC 98HA	1.0	
CRLGG		LCS	23-Nov-98	24-Nov-98	6010B	Selenium	#	SOLID	179	200		mg/kg	23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG		LCS	24-Nov-98	25-Nov-98	6010B	Selenium	#	SOLID	171	200		mg/kg	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG		LCS	24-Nov-98	25-Nov-98	6010B	Selenium	#	SOLID	171	200		mg/kg	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG		LCS	24-Nov-98	26-Nov-98	6010B	Selenium	#	SOLID	175	200		mg/kg	24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG		LCS	25-Nov-98	30-Nov-98	6010B	Selenium	#	SOLID	193	200		mg/kg	25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG		LCS	02-Dec-98	03-Dec-98	6010B	Selenium	#	SOLID	193	200		mg/kg	02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG		LCS	03-Dec-98	04-Dec-98	6010B	Selenium	#	SOLID	185	200		mg/kg	03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG		LCS	05-Dec-98	07-Dec-98	6010B	Selenium	#	SOLID	185	200		mg/kg	05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG		MS	25-Nov-98	30-Nov-98	6010B	Selenium	#	SOLID	89	100		%	25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG		MS	02-Dec-98	03-Dec-98	6010B	Selenium	#	SOLID	84	100		%	02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG		MS	03-Dec-98	04-Dec-98	6010B	Selenium	#	SOLID	88	100		%	03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG		MSD	25-Nov-98	30-Nov-98	6010B	Selenium	#	SOLID	90	100		%	25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG		MSD	02-Dec-98	03-Dec-98	6010B	Selenium	#	SOLID	86	100		%	02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG		MSD	03-Dec-98	04-Dec-98	6010B	Selenium	#	SOLID	89	100		%	03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG		LCS	23-Nov-98	24-Nov-98	6010B	Silver	#	SOLID	4.58	5		mg/kg	23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG		LCS	24-Nov-98	25-Nov-98	6010B	Silver	#	SOLID	4.42	5		mg/kg	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG		LCS	24-Nov-98	25-Nov-98	6010B	Silver	#	SOLID	4.42	5		mg/kg	24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG		LCS	24-Nov-98	26-Nov-98	6010B	Silver	#	SOLID	4.56	5		mg/kg	24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG		LCS	25-Nov-98	30-Nov-98	6010B	Silver	#	SOLID	4.92	5		mg/kg	25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG		LCS	02-Dec-98	03-Dec-98	6010B	Silver	#	SOLID	4.82	5		mg/kg	02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG		LCS	03-Dec-98	04-Dec-98	6010B	Silver	#	SOLID	4.63	5		mg/kg	03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG		LCS	05-Dec-98	07-Dec-98	6010B	Silver	#	SOLID	4.82	5		mg/kg	05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG		MS	25-Nov-98	30-Nov-98	6010B	Silver	#	SOLID	91	100		%	25 NOV 98PX	25 NOV 98PA	1.0	

CRLGG			MS	03-Dec-98	04-Dec-98	6010B	Barium	#	SOLID	75	100 n	%		03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG			MSD	25-Nov-98	30-Nov-98	6010B	Barium	#	SOLID	93	100	%		25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG			MSD	02-Dec-98	03-Dec-98	6010B	Barium	#	SOLID	91	100	%		02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG			MSD	03-Dec-98	04-Dec-98	6010B	Barium	#	SOLID	75	100 n	%		03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG			LCS	23-Nov-98	24-Nov-98	6010B	Cadmium	#	SOLID	4.91	5	mg/kg		23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG			LCS	24-Nov-98	25-Nov-98	6010B	Cadmium	#	SOLID	4.97	5	mg/kg		24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG			LCS	24-Nov-98	25-Nov-98	6010B	Cadmium	#	SOLID	4.97	5	mg/kg		24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG			LCS	24-Nov-98	26-Nov-98	6010B	Cadmium	#	SOLID	5.09	5	mg/kg		24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG			LCS	25-Nov-98	30-Nov-98	6010B	Cadmium	#	SOLID	5.44	5	mg/kg		25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG			LCS	02-Dec-98	03-Dec-98	6010B	Cadmium	#	SOLID	4.81	5	mg/kg		02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG			LCS	03-Dec-98	04-Dec-98	6010B	Cadmium	#	SOLID	5.11	5	mg/kg		03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG			LCS	05-Dec-98	07-Dec-98	6010B	Cadmium	#	SOLID	5.15	5	mg/kg		05 DEC 98OX	05 DEC 98OX	1 0	
CRLGG			MS	25-Nov-98	30-Nov-98	6010B	Cadmium	#	SOLID	91	100	%		25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG			MS	02-Dec-98	03-Dec-98	6010B	Cadmium	#	SOLID	81	100	%		02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG			MS	03-Dec-98	04-Dec-98	6010B	Cadmium	#	SOLID	64	100 n	%		03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG			MSD	25-Nov-98	30-Nov-98	6010B	Cadmium	#	SOLID	93	100	%		25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG			MSD	02-Dec-98	03-Dec-98	6010B	Cadmium	#	SOLID	83	100	%		02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG			MSD	03-Dec-98	04-Dec-98	6010B	Cadmium	#	SOLID	68	100 n	%		03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG			LCS	23-Nov-98	24-Nov-98	6010B	Chromium	#	SOLID	19 7	20	mg/kg		23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG			LCS	24-Nov-98	25-Nov-98	6010B	Chromium	#	SOLID	20 5	20	mg/kg		24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG			LCS	24-Nov-98	25-Nov-98	6010B	Chromium	#	SOLID	20.5	20	mg/kg		24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG			LCS	24-Nov-98	26-Nov-98	6010B	Chromium	#	SOLID	21.1	20	mg/kg		24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG			LCS	25-Nov-98	30-Nov-98	6010B	Chromium	#	SOLID	22.1	20	mg/kg		25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG			LCS	02-Dec-98	03-Dec-98	6010B	Chromium	#	SOLID	21.0	20	mg/kg		02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG			LCS	03-Dec-98	04-Dec-98	6010B	Chromium	#	SOLID	20.4	20	mg/kg		03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG			LCS	05-Dec-98	07-Dec-98	6010B	Chromium	#	SOLID	21.2	20	mg/kg		05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG			MS	25-Nov-98	30-Nov-98	6010B	Chromium	#	SOLID	94	100	%		25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG			MS	02-Dec-98	03-Dec-98	6010B	Chromium	#	SOLID	63	100 n	%		02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG			MS	03-Dec-98	04-Dec-98	6010B	Chromium	#	SOLID	96	100	%		03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG			MSD	25-Nov-98	30-Nov-98	6010B	Chromium	#	SOLID	101	100	%		25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG			MSD	02-Dec-98	03-Dec-98	6010B	Chromium	#	SOLID	68	100 n	%		02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG			MSD	03-Dec-98	04-Dec-98	6010B	Chromium	#	SOLID	97	100	%		03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG			LCS	23-Nov-98	24-Nov-98	6010B	Lead	#	SOLID	47.6	50	mg/kg		23 NOV 98PX	23 NOV 98PX	1.0	
CRLGG			LCS	24-Nov-98	25-Nov-98	6010B	Lead	#	SOLID	47.7	50	mg/kg		24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG			LCS	24-Nov-98	25-Nov-98	6010B	Lead	#	SOLID	47.7	50	mg/kg		24 NOV 98QX	24 NOV 98QX	1.0	
CRLGG			LCS	24-Nov-98	26-Nov-98	6010B	Lead	#	SOLID	48.8	50	mg/kg		24 NOV 98RX	24 NOV 98RX	1.0	
CRLGG			LCS	25-Nov-98	30-Nov-98	6010B	Lead	#	SOLID	52.1	50	mg/kg		25 NOV 98PX	25 NOV 98PX	1.0	
CRLGG			LCS	02-Dec-98	03-Dec-98	6010B	Lead	#	SOLID	49.7	50	mg/kg		02 DEC 98QX5	02 DEC 98QX5	1.0	
CRLGG			LCS	03-Dec-98	04-Dec-98	6010B	Lead	#	SOLID	49.7	50	mg/kg		03 DEC 98RX	03 DEC 98RX	1.0	
CRLGG			LCS	05-Dec-98	07-Dec-98	6010B	Lead	#	SOLID	50.1	50	mg/kg		05 DEC 98OX	05 DEC 98OX	1.0	
CRLGG			MS	25-Nov-98	30-Nov-98	6010B	Lead	#	SOLID	93	100	%		25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG			MS	02-Dec-98	03-Dec-98	6010B	Lead	#	SOLID	162	100 n	%		02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG			MS	03-Dec-98	04-Dec-98	6010B	Lead	#	SOLID	NC	100	%		03 DEC 98RX	03 DEC 98RA	1.0	

EVS QUALITY CONTROL DATA SET
HALLER PROPERTY
DENVER, COLORADO

CRLGG			MS		02-Dec-98	03-Dec-98	6010B	Silver	#	SOLID	82	100		%		02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG			MS		03-Dec-98	04-Dec-98	6010B	Silver	#	SOLID	79	100	n	%		03 DEC 98RX	03 DEC 98RA	1.0	
CRLGG			MSD		25-Nov-98	30-Nov-98	6010B	Silver	#	SOLID	94	100		%		25 NOV 98PX	25 NOV 98PA	1.0	
CRLGG			MSD		02-Dec-98	03-Dec-98	6010B	Silver	#	SOLID	82	100		%		02 DEC 98QX5	02 DEC 98QA	1.0	
CRLGG			MSD		03-Dec-98	04-Dec-98	6010B	Silver	#	SOLID	80	100		%		03 DEC 98RX	03 DEC 98RA	1.0	

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EPA

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A Guide: Methods for Evaluating the Attainment of Cleanup Standards For Soils and Solid Media

Office of Emergency and Remedial Response
Hazardous Site Control Division OS-220W

Quick Reference Fact Sheet

GOALS

This fact sheet highlights statistical concepts and methods used in the evaluation of the attainment of cleanup standards. It provides an example of a basic procedure for determining sample size required to obtain a given confidence level focusing on a cleanup standard specified as a mean concentration with a specified confidence. It does not provide policy on specification of cleanup levels but should be considered a technical reference guide for using some of the more common methodologies. More detailed information on these and other methodologies can be obtained from Methods for Evaluating the Attainment of Cleanup Standards, Volume 1: Soils and Solid Media, EPA 230/02-89/042. Copies of this volume are available from the National Technical Information Service, Springfield, VA 22161. Price: $28.95 (paper), $6.95 (microfiche).
[Terms in ***bold, italicized*** print are defined in the glossary on the last page of this fact sheet.]

WHY ARE STATISTICS IMPORTANT?

Statistical methods perform a powerful and useful function. They allow extrapolation from a set of samples to the entire site in a scientifically valid fashion.

Extrapolation involves uncertainty. Statistical methods enable estimation and management of the uncertainty. Ideally, uncertainty may be reduced to any desired level given complete freedom in sampling and testing. This is seldom a viable option, so statistics are used to determine a balance between sampling and certainty.

Statistical principles can be used to design sampling plans that correlate with methods of analysis tailored to evaluating attainment of cleanup standards. Correlated sampling and analysis methodologies offer higher confidence levels in decision-making.

Efficient statistical sampling plans can be developed to detect the presence of hot spots on a site. The plans allow the prediction of the uncertainty of overlooking a hot spot of a specified size. ***Sequential test procedures*** test only enough samples to accept or reject a clean or not-clean hypothesis and this can quickly indicate highly contaminated areas or areas of very low contamination.

Statistical methods can be used to compute mean concentrations over areas where information indicates that contaminant levels are substantially higher or lower than surrounding levels. This provides more accurate evaluation through limiting dilution of the mean by data from unaffected soil units.

ROLE OF STATISTICS

If a remedial cleanup goal is that each square meter of site soil surface shall have a residual concentration level no greater than (C) ppm, how can the attainment of such a goal be measured? If the site area is one hectare (2.87 acres), there are ten thousand square meters of surface area. To be absoutely sure, one must test each square meter for contamination (if one sample from each meter is known to be representative of the whole meter). Obviously, ten thousand samples is prohibitive. So, what are the alternatives?

If the number of samples that can be economically and practically acquired is limited, the question immediately arises: how representative of the whole site is a small set of samples? There is a chance, for instance, that either too many samples came from relatively clean areas of the site or from the more heavily contaminated areas of the site. The possibilities present a finite probability that a ***false positive*** (α) or ***false negative*** (β) conclusion may be drawn where the actual condition of the site is misinterpreted because of uncertainties in sampling. Statistical sampling and analysis techniques allow a determination of the level of confidence for a specific set of conditions. These techniques can be used to evaluate data or determine how much data are required to confirm that a designated cleanup level has been attained.

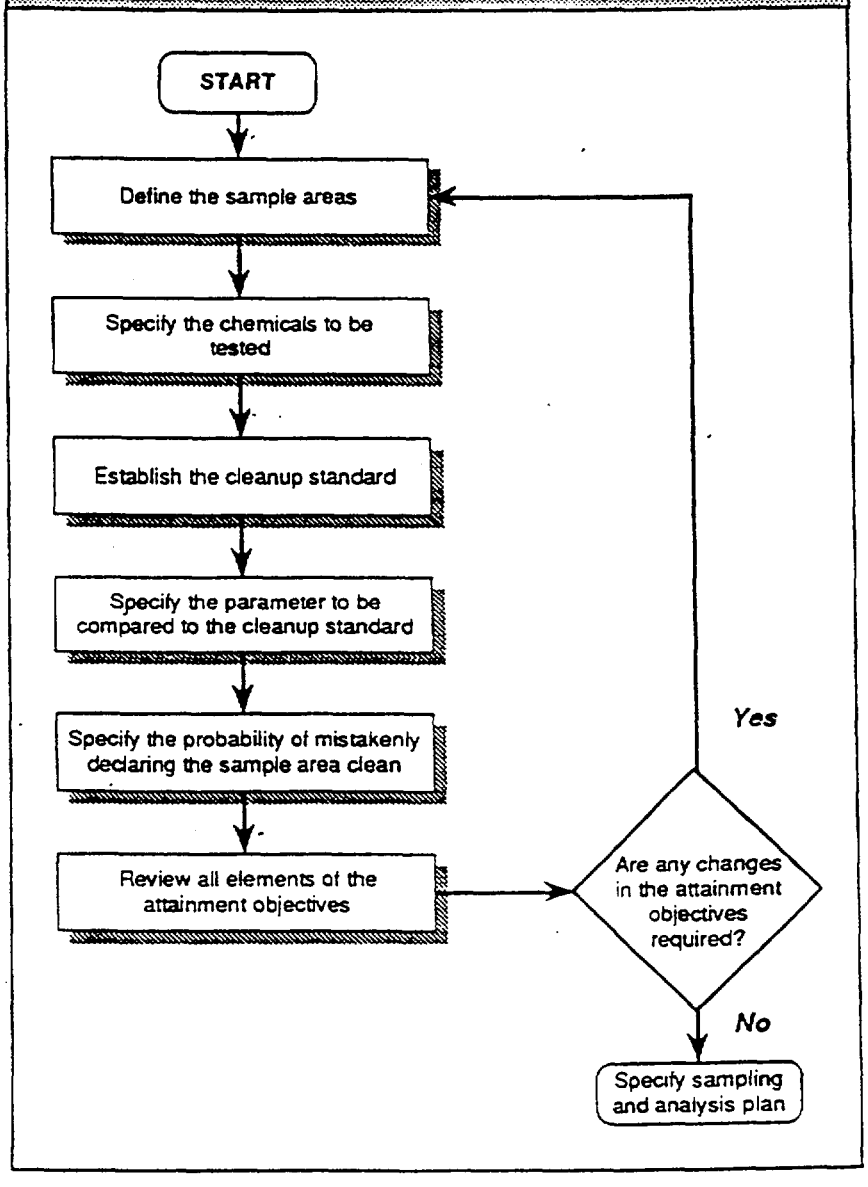
Statistical evaluations also provide a logical consistent approach for optimizing results from limited resources. The known properties of sample data distributions are used to design sampling plans and data analysis routines to provide predictable confidence

levels for decisions. The confidence levels attainable will depend on the quantity and quality of available data.

It helps to think of cleanup standards as having four components: 1) the magnitude -- concentration deemed protective of human health and the environment; 2) a sampling plan to evaluate attainment of the specified concentration; 3) a method for comparing the data collected to the cleanup level; and 4) the probability of mistakenly declaring the sample area clean (false positive rate). All but the first step depends heavily on statistical analysis. Figure 1 indicates the steps that must be completed to define attainment objectives.

Various methods can be used to compare data to cleanup levels, e.g., 1) average condition (mean concentration ($\bar{x}$) is below cleanup level at a specified confidence level); 2) value rarely to be exceeded (specified proportion of soil is below a cleanup standard); or 3) hot spots that should be found if present. Examples of other options in which methods are combined are provided in Box 1. It is important to consider the attainment evaluation during the site investigation so that the method for evaluating attainment can be included in the remedy specification.

FIGURE 1 - Steps in Defining the Attainment Objectives



BOX 1 - Examples of Using Multiple Attainment Criteria

- Most of the soil has concentrations below the cleanup standard while concentrations are above the cleanup standard. This standard may be accomplished by testing whether the 75th percentile is below the cleanup standard and whether the mean of those concentrations above the cleanup standard is less than twice the cleanup standard.
- The mean concentration is less than the cleanup standard and the standard deviation (σ) of the data is small, thus limiting the number of extreme concentrations. This standard may be accomplished by testing if the mean is below the cleanup standard and the coefficient of variation (τ) is less than a low level (.5 for example).
- The mean concentration is less than the cleanup standard and the remaining contamination is uniformly distributed across the sample area relative to the overall spread of the data. Testing these criteria may be accomplished by testing for a mean below the cleanup standard and variability between strata means that is not large compared to the variability within strata (analysis of variance).
- The mean concentration is less than the cleanup standard and no area of contaminated soil (assumed to be circular) is larger than a specified size.

STATISTICAL METHODOLOGY LIMITATIONS

When key assumptions about the site and collected data are violated, the statements of data confidence may change. Statistical assumptions include: the *sample area* is homogenous; the *distribution* of data is *normal*, or can be transformed into near normal data (e.g., taking the log of the data tends to normalize the data thus allowing standard procedures to be used); and sampling locations were selected using a *simple random sampling* procedure.

PROCESS - DETERMINING WHETHER THE MEAN CONCENTRATION AT A SITE IS LESS THAN THE CLEANUP STANDARD

Power Curve

The probability of declaring a ***sample area*** clean will depend on the ***sample population*** mean concentration. The relationship between a population mean and decision outcome is shown in Figure 2. This relationship is known in statistics as a "power curve."

Power curves can facilitate understanding the relationship between mean concentration and confidence level. Power curves also can help determine an appropriate sample size.

Sampling Plan

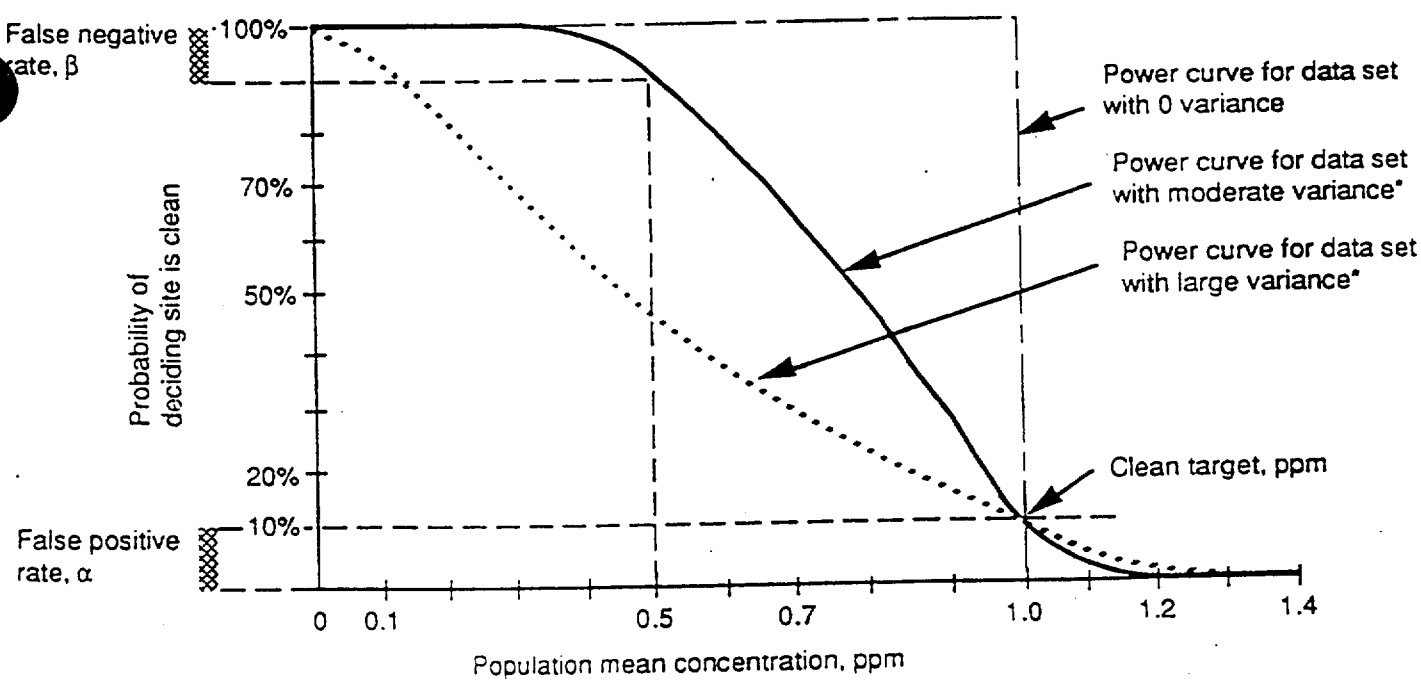
Once the cleanup concentration and statistical method (i.e., for this discussion, the mean concentration) has been specified, the sampling and analysis plans should be developed. There are two basic types of sampling plans: systematic and random. These are illustrated in Figure 3.

Pros and Cons - Systematic or Random Sampling

Systematic sampling is generally easier to carry out. Such sampling almost always results in both lower costs and in higher data reliability than ***simple random sampling***. Systematic sampling also protects against having large contiguous areas of high

FIGURE 2 - Power Curve

This curve represents a condition where, when both the ***false negative*** (β) and ***false positive*** (α) risks are set at 10%, the population mean concentration must be 0.5 ppm (or less) in order to be 90% certain the site is clean at the 1 ppm level. Power curves have been developed for several values of α and can be found in Appendix A of Methods for Evaluating the Attainment of Cleanup Standards. They are defined by the cleanup level, the false negative rate, and the ***variance*** and can be used to determine the mean concentration required to achieve a particular false positive rate. (See example calculation at end of fact sheet.)

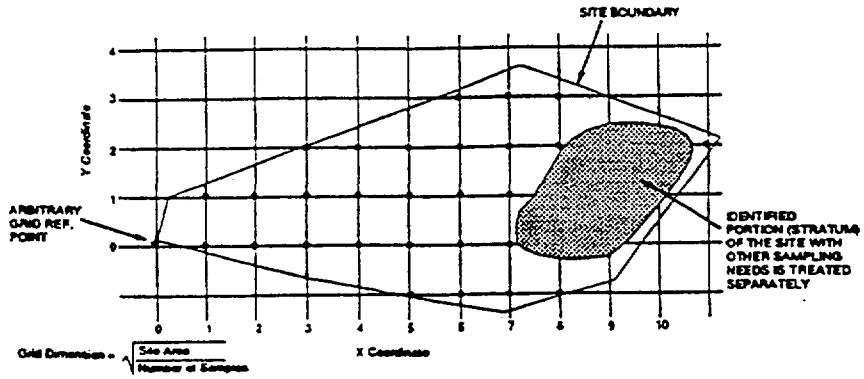


*Whether the variance is considered low, moderate, or high will depend on the magnitude of the standard and the risk level it represents; e.g., a variance that is 10 times the magnitude of the standard may be considered moderate if the standard is conservative (i.e., if the standard is set low).

FIGURE 3 - Strategies for Selecting Sampling Locations

SYSTEMATIC SAMPLING DESIGN EXAMPLE

Systematic sampling distributes the sampling points uniformly over the site area of interest. The systematic sampling plan provides a uniform site coverage with a larger grid spacing.

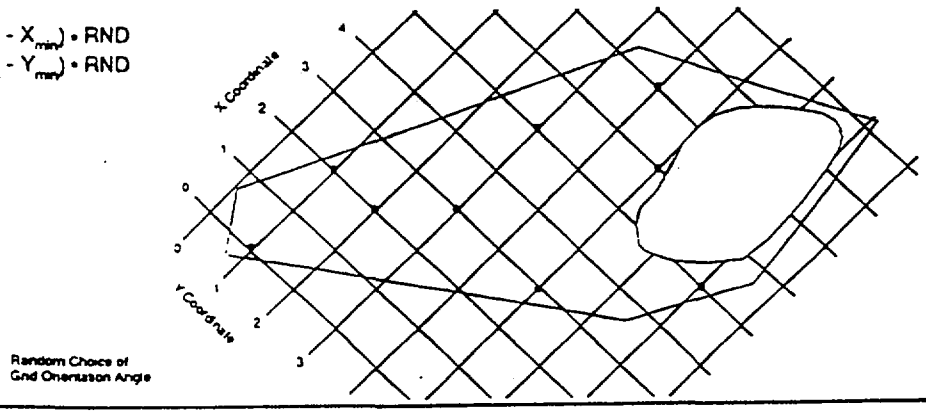


RANDOM SAMPLING DESIGN EXAMPLE

True random selection of sampling points requires that each sample point chosen must be independent of the location of all other sample points. The random sampling plan has a better chance of detecting site anomalies than the systematic sampling plan.

X Coordinate = $X_{min} + (X_{max} - X_{min}) \cdot RND$

Y Coordinate = $Y_{min} = (Y_{max} - Y_{min}) \cdot RND$



or low contamination of the site being unsampled. In economic terms, this type of sampling gives greater information per unit cost than simple random sampling.

Systematic sampling, however, does have disadvantages. For example, poor precision may result if contamination occurred in a particular pattern that is missed by the system's sampling, i.e., if contamination occurred along a straight line such as a pipeline or trench. Also, there are no trustworthy methods for estimating error under systematic sampling. If contamination is not random, systematic sampling can yield biased results.

Sample Size

Once a general sampling plan is selected, the number of samples to be taken can be determined.

The number of samples necessary to reliably determine site conditions depends on a variety of factors. There is the desired level of confidence, variability of the sampling results (σ^2), and accuracy with respect to cleanup target (ppm). The following equation can be used to determine the minimum sample size required to achieve designated levels of confidence:

$$\text{Number of samples} = \sigma^2 \left(\frac{Z_{(1-\alpha)} + Z_{(1-\beta)}}{C_s - \mu_1} \right)^2$$

where:

σ^2 = variance of the data

C_s = cleanup standards, ppm

μ_1 = alternative clean decision level

$Z_{(1-\alpha)}$ and $Z_{(1-\beta)}$ = the false positive and false negative normal deviates, respectively. See Table 1 for values of Z based on α and β.

$Z_{(1-\alpha)}$ is the normal deviate point associated with the error of saying the site attains C_s when in fact it does not. Under the ***null hypothesis***, H_o, (i.e., under the assumption that the site does not attain C_s) the probability of exceeding the $Z_{(1-\alpha)}$ value is desired to be α. μ_o is the mean concentration under the null hypothesis.

Similarly $Z_{(1-\beta)}$ is the normal deviate point associated with the error of saying the site does not attain C_s when in fact it does. Under this ***alternate hypothesis***, H_1, that the site attains the cleanup standard, the probability of exceeding the $Z_{(1-\beta)}$ value is desired to be β. μ_1 is the mean concentration under the alternate hypothesis H_1.

Hence, $\mu_1 \leq C_s$. The relationship of μ_1, C_s, α, and β is illustrated in Figure 4.

The *variance* is generally not known at the time that the sample size is being calculated but can be estimated from any data that does exist or crudely approximated using the formula:

$$\hat{\sigma}^2 \text{ (estimated variance)} = \text{Range}/6$$

where Range is the expected spread between the smallest and largest values.

Box 2 shows a sample calculation of sample size.

Evaluation of Attainment

The mean of the sampling data is an estimate of the mean contamination of the entire sample area; it does not convey information regarding the reliability of the estimate. Through the use of a "confidence interval," it is possible to provide a range of values within which the true mean is located.

The formula for an upper one-sided 100(1-σ) percent confidence limit around the population mean is presented below:

$$\mu_{U\alpha} = \overline{X} + t_{(1-\alpha,df)}(s/\sqrt{n})$$

where:

$\overline{X}$ = computed mean level of contamination

S = the *standard deviation* of the sampling data

df = the degrees of freedom (= n-1)

$\mu_{U\alpha}$ = confidence limit

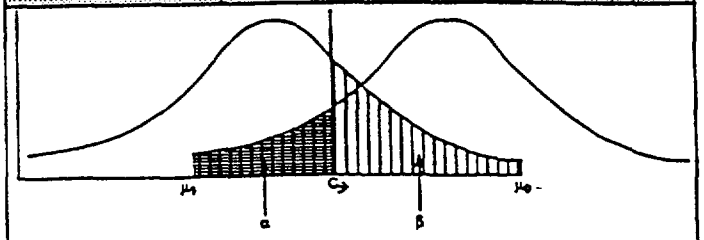
The appropriate value of $t_{(1-\alpha,df)}$ can be obtained from Table 2. The one-sided confidence interval can be used to test whether the site has attained the cleanup standard.

To determine whether the site meets a specified cleanup standard, use the upper one-sided confidence limit U, defined in the above equation. If $\mu_{U\alpha} < C_s$, conclude that the area attains the cleanup standard. If $\mu_{U\alpha} \geq C_s$, conclude that the area does not attain the cleanup standard.

EXAMPLE CALCULATION USING THE POWER CURVES

At a former wood processing plant it is desirable to determine if the average concentrations of PAH compounds in the surface soil are below 50 ppm (the cleanup standard C_s). The project managers have decided that the dangers from long-term exposure can be reasonably controlled if the mean concentration in the sample area is less than the cleanup standard. The false positive rate for the test is to be at most 5% (i.e., $\alpha = .05$). The false negative rate is desired to be no more than 20% (i.e., $\beta = .20$). The coefficient of variation of the data is thought to be about 1.2. The power curves for $\alpha = .05$ (see Figure 5) and the approximate sample sizes for random sampling were reviewed.

FIGURE 4 - Relationship of μ_1 and C_s



H_0: The site exceeds the cleanup standard (i.e., $\mu_0 \geq C_s$)
H_1: The site attains the cleanup standard (i.e., $\mu_1 < C_s$)
C_s = Cleanup Standard

BOX 2 - Example Sample Size Calculation

If the site cleanup target (C_s) is 12 ppm, the alternative clean decision level (μ_1) is 11 ppm, and the expected variance (σ^2) of the data is 8, we can obtain a 95% confidence level (false positive rate = .05) at a risk of 10% (false negative rate = 0.10) of declaring the site clean by determining the mean site sample concentration from:

$$8\left(\frac{1.645 + 1.282}{12-11}\right)^2 = 68.53 = 69 \text{ samples}$$

$Z_{(1-\alpha)} = Z_{.95} = 1.645$
$Z_{(1-\beta)} = Z_{.90} = 1.282$

Note: If the false negative risk is decreased from 10% to 5%, the number of samples required would increase to 87. The reduction of risk always requires increasing sample size.

These curves illustrate the relationship between cleanup level and probability of attainment for various sample sizes. Approximate sample sizes for a range of coefficients of variation are presented below the figure as a guide to determining which curve is appropriate for the situation under consideration. Using this information, the following conclusions can be made:

- While it would be desirable to have a test with power curves similar to E and F, the sample sizes of more than 100 will cost too much.

- Power curves A, B, and C have unacceptably low power (i.e., the power, 1-β, is too low) when the mean concentration is roughly 75% of the cleanup level (i.e., 37 ppm). For example, at .75 on the x axis, curves A, B, and C give power (on the y axis) of approximately .15 to .40 (i.e., β error rates of .85 to .60). This clearly is undesirable in most situations. Viewing the table in Figure 5, we see that in order to have a false negative rate of 20% or less the site mean concentration would have to be approximately 25% of the cleanup level for curve A to 57% of the cleanup level for curve C.

- Consequently, a reasonable compromise between high power and low sample size is to have a test with a power curve similar to D.

Based on specifications above and the table at the bottom of Figure 5, the information needed to calculate the sample size is:

$\alpha = .05$;
$\beta = .20$; and
$\mu_1 = C_s * .69 = 34.5$ ppm.

These values can be used to calculate sample size. From Table 1:

$Z_{1-\alpha} = 1.645$
$Z_{1-\beta} = 0.842$
$c.v. = \frac{\sigma}{\mu_1} \approx 1.2$
$\sigma = (1.2)(34.5) = 44.4$
$\sigma^2 = 1971.36$

$$\text{Number of samples} = \sigma^2 \left(\frac{Z_{(1-\alpha)} + Z_{(1-\beta)}}{C_S - \mu_1} \right)$$

$$\text{Number of samples} = 1971.36 \left(\frac{1.645 + .842}{50 - 34.5} \right)^2$$

$$= 50.75 \approx 51 \text{ samples}$$

This number is smaller than the numbers presented below Figure 5 because the numbers in Figure 5 are calculated to be conservative estimates (C_s was used to calculate σ rather than μ_1)

Once the samples are taken, attainment can be evaluated as follows:

The following data are known or calculated:

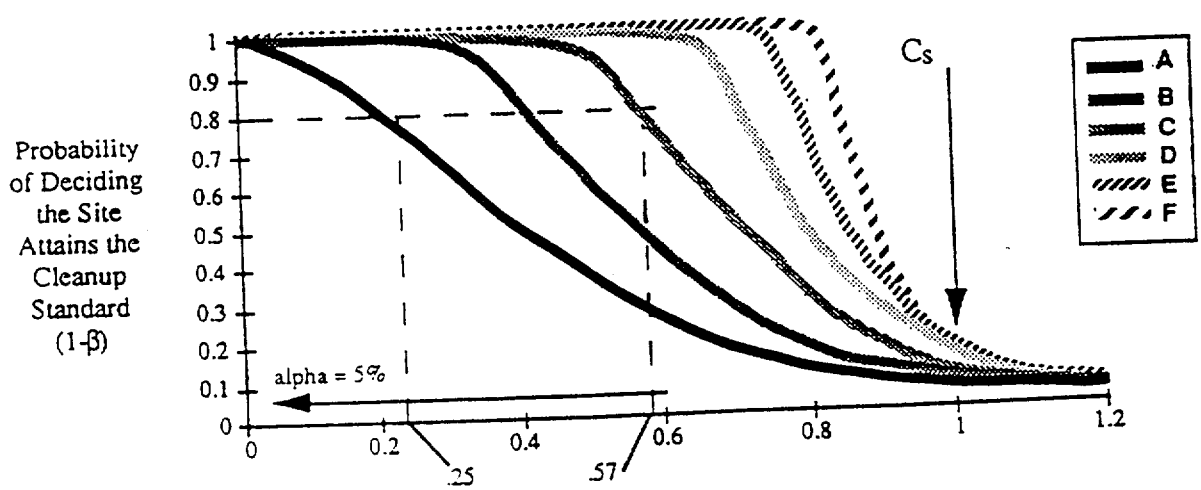
C_s = Cleanup Standard = 50 ppm
$\bar{x}$ = Mean concentration = 38 ppm
s = Standard deviation = 15

$$t_{1-\alpha,df} = \frac{1.684 + 1.671}{2} = 1.677 = 41.52$$

The upper one-sided 95% confidence interval goes to $\mu_{u\alpha} = \bar{x} + t_{1-\alpha,df}\frac{s}{\sqrt{n}} = 38 + 1.677\frac{15}{\sqrt{51}} = 41.52$

Since 41.5 < 50, there is a 95% confidence that the mean concentration of the sample area attains the cleanup standard of 50 ppm.

FIGURE 5 - Power Curves for $\alpha = 5\%$



True parameter as a fraction of C_s

Parameters for the Power Curves	Power Curve: A	B	C	D	E	F
α =	.05	.05	.05	.05	.05	.05
β =	.20	.20	.20	.20	.20	.20
μ_1 =	$.25 \cdot C_s$	$.43 \cdot C_s$	$.57 \cdot C_s$	$.69 \cdot C_s$	$.77 \cdot C_s$	$.84 \cdot C_s$

Approximate sample sizes for simple random sampling for testing the parameters indicated

Parameters being tested	Power Curve: A	B	C	D	E	F
Mean with cv (data) = .5	4	5	9	17	30	61
with cv (data) = 1	11	20	34	65	117	242
with cv (data) = 1.5	25	43	76	145	264	544

TABLE 1
Z Values for Selected Alpha and Beta

β	$Z_{1-\beta}$
α	$Z_{1-\alpha}$
0.450	0.124
0.400	0.253
0.350	0.385
0.300	0.524
0.250	0.674
0.200	0.842
0.100	1.282
0.050	1.645
0.025	1.960
0.010	2.326
0.0050	2.576
0.0025	2.807
0.0010	3.090

TABLE 2
Table of t for Selected Alpha and Degrees of Freedom

Use alpha to determine which column to use based on the desired parameter, $t_{1-\alpha,df}$. Use the degrees of freedom to determine which row to use. The t value will be found at the intersection of the row and column. For values of degrees of freedom not in the table, interpolate between those values provided.

Degrees of Freedom (df)	α for determining $t_{1-\alpha,df}$							
	.25	.10	.05	.025	.01	.005	.0025	.001
1	1.000	3.078	6.314	12.706	31.821	63.657	127.321	318.309
2	0.816	1.886	2.920	4.303	6.965	9.925	14.089	22.327
3	0.765	1.638	2.353	3.182	4.541	5.841	7.453	10.215
4	0.741	1.533	2.132	2.776	3.747	4.604	5.598	7.173
5	0.727	1.476	2.015	2.571	3.365	4.032	4.773	5.893
6	0.718	1.440	1.943	2.447	3.143	3.707	4.317	5.208
7	0.711	1.415	1.895	2.365	2.998	3.499	4.029	4.785
8	0.706	1.397	1.860	2.306	2.896	3.355	3.833	4.501
9	0.703	1.383	1.833	2.262	2.821	3.250	3.690	4.297
10	0.700	1.372	1.812	2.228	2.764	3.169	3.581	4.144
11	0.697	1.363	1.796	2.201	2.718	3.106	3.497	4.025
12	0.695	1.356	1.782	2.179	2.681	3.055	3.428	3.930
13	0.694	1.350	1.771	2.160	2.650	3.012	3.372	3.852
14	0.692	1.345	1.761	2.145	2.624	2.977	3.326	3.787
15	0.691	1.341	1.753	2.131	2.602	2.947	3.286	3.733
16	0.690	1.337	1.746	2.120	2.583	2.921	3.252	3.686
17	0.689	1.333	1.740	2.110	2.567	2.898	3.222	3.646
18	0.688	1.330	1.734	2.101	2.552	2.878	3.197	3.610
19	0.688	1.328	1.729	2.093	2.539	2.861	3.174	3.579
20	0.687	1.325	1.725	2.086	2.528	2.845	3.153	3.552
21	0.686	1.323	1.721	2.080	2.518	2.831	3.135	3.527
22	0.686	1.321	1.717	2.074	2.508	2.819	3.119	3.505
23	0.685	1.319	1.714	2.069	2.500	2.807	3.104	3.485
24	0.685	1.318	1.711	2.064	2.492	2.797	3.091	3.467
25	0.684	1.316	1.708	2.060	2.485	2.787	3.078	3.450
26	0.684	1.315	1.706	2.056	2.479	2.779	3.067	3.435
27	0.684	1.314	1.703	2.052	2.473	2.771	3.057	3.421
28	0.683	1.313	1.701	2.048	2.467	2.763	3.047	3.408
29	0.683	1.311	1.699	2.045	2.462	2.756	3.038	3.396
30	0.683	1.310	1.697	2.042	2.457	2.750	3.030	3.385
40	0.681	1.303	1.684	2.021	2.423	2.704	2.971	3.307
60	0.679	1.296	1.671	2.000	2.390	2.660	2.915	3.232
120	0.677	1.289	1.658	1.980	2.358	2.617	2.860	3.160
400	0.675	1.284	1.649	1.966	2.336	2.588	2.823	3.111
infinite	0.674	1.282	1.645	1.960	2.326	2.576	2.807	3.090

GLOSSARY

Distribution – The frequencies with which measurements in a data set fall within specified intervals.

False Negative (β) – The probability of mistakenly concluding that the sample area has not attained the cleanup level when it has. It is known as the probability of making a Type II error.

False Positive (α) – The probability of mistakenly concluding that the sample area has attained the cleanup level when it has not. It is known as the probability of making a Type I error.

Hypothesis – An assumption about a property or characteristic of a population under study. The goal of statistical inference is to decide which of two complementary hypotheses is likely to be true. In the context of this document, the *null* hypothesis is that the sample area has not achieved the cleanup standard and the *alternative* hypothesis is that it has.

Normal Distribution – A family of "bell-shaped" distributions, or curves, where each individual distribution is uniquely defined by its *mean* and *variance*.

Sample Area – The specific area within a waste site for which a separate decision on attainment is to be reached.

Sample Mean – The arithmetic average of a set of sample measurements, $x_1, x_2, \ldots x_n$, defined to be:

$$\overline{x} = \sum_{i=1}^{n} X_i / n$$

Sample Population – The total number of soil/solid media units at a waste site for which inferences regarding attainment of cleanup standards are to be made.

Sample Standard Deviation – The more commonly used measure of dispersion of the sample measurements, defined to be:

$$S = \sqrt{S^2}$$

(See definition for *variance*)

Sequential Test Procedures – Sampling process that terminates when enough evidence is obtained to either accept or reject the null hypothesis.

Simple Random Sample – A sample of n units collected from a population of interest (for example, all possible samples of soil units at a site) such that each unit has an equal chance of being selected.

Variance – A measurement of dispersion of the sample measurements, $x_1, x_2, \ldots x_n$, defined to be:

$$s^2 = \sum_{i=1}^{n} (x_i - \overline{x})^2 / n - 1$$

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GEI Consultants, Inc.

April 23, 1999
Project 96136

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303·662·0100
303·662·8757 Fax

Mr. Bill Benerman
City and County of Denver, Environmental Services
1391 North Speer Boulevard, 7th Floor
Denver, CO 80204

Re: Opinion of Probable Construction Costs for Heller Property Detention Basin

Dear Bill:

Consistent with your request, GEI Consultants, Inc. (GEI) has developed an opinion of probable construction costs for two alternative storm water detention basins at the Heller Property based on the criteria defined by Environmental Services during our meeting on April 7, 1999.

1.0 PROPOSED CONSTRUCTION

Our understanding of each alternative detention basin construction is as follows:

Contaminated Site - An excavation about 3 acres in size at the ground surface would be made to a depth of about 14 feet. The sides of the excavation would slope at 3H:1V. Two feet of compacted clay would be placed on the bottom and sides of the excavation. The compacted clay would then be covered with six inches of topsoil. Seed and mulch would be placed on the topsoil. The excavated material would be used to construct a landscaped berm in an area of about 5 acres to the south and west of the detention basin. The landscaped berm would be capped with six inches of non-contaminated fill and then six inches of topsoil. Seed and mulch would be placed on the topsoil.

Non-Contaminated Site - An excavation about 3 acres in size at the ground surface would be made to a depth of about 14 feet. The sides of the excavation would slope at 3H:1V. The excavated material would be sold to a contractor who would haul the soil away as general fill at another project site. The excavated detention basin would then be covered with six inches of topsoil. Seed and mulch would be placed on the topsoil.

2.0 OPINION OF PROBABLE CONSTRUCTION COSTS FOR DETENTION BASIN ALTERNATIVES

We prepared estimates for primary quantities of construction materials based on the proposed construction described in Section 1.0. We assumed that the ground surface across the area of construction was relatively flat and level. The estimates are for excavation, earthwork, grading, and site restoration only. We did not develop concept or prepare estimates for any hydraulic aspects of the detention basins, such as inlets and outlets. Total construction cost estimates include allowances for unscheduled and unforseen items (contingencies). We did not include allowances for engineering design, owner's overhead, administration, and permitting.

GEI did not perform any field investigations, surveys or design analyses needed to verify the general construction concepts described in Section 1.0. By providing our opinion of probable construction costs, we are not endorsing the feasibility of detention basin construction on the Heller Property, nor are we implying that general construction methods assumed in preparing our cost opinions will be feasible. Significant additional field investigations and engineering evaluations would be needed to confirm the feasibility, construction methods, and associated costs of detention basin construction.

Direct construction costs are based on an assumption that standard equipment and conventional construction practices would be used. We assumed that construction would be performed by a licensed contractor and not by Denver County forces. We developed unit prices for primary items of construction from the following sources:

1. R.S. Means Construction Cost Data for 1999.

2. Estimates from local and regional suppliers and contractors

3. GEI experience on recent, similar projects.

Allowances are included in unit prices for Contractor's overhead and profit. Major items included in contractors' overhead are: 1) supervisory, administrative, and general service personnel; 2) vehicles; 3) office equipment and supplies; 4) field office; 5) communications; and 6) home office overhead.

Direct cost estimates were based on, or were adjusted to reflect, the prevailing unit prices and cost data for the Denver Area in the spring of 1999.

Specific assumptions we used to develop opinions of probable construction costs for each primary construction item are presented below:

Excavating and Placing Material on Site - For the alternative located on a contaminated site, we considered that most of the excavation would be done using a self-propelled scraper. The excavated materials would be placed along the southern and western perimeter of the pond.

For the alternative located on a non-contaminated site, we considered that a hydraulic backhoe would be used to excavate the materials and then place the material directly in a dump truck.

Sale of Excavated Soil - Applicable for the non-contaminated site only. Revenue would be obtained from the sale of excavated material for use as fill on other projects. The costs for hauling excavated material were assumed to be paid by the purchaser.

Landscape Grading of Excavated Soils - Applicable for the contaminated site only. We considered that a dozer would be used for fine grading of materials stockpiled by scrapers in the landscaped berm.

Furnish and Place Clay Liner - Applicable for contaminated site only. This activity involves importing lean clay materials to the site, placing the clay in approximate 6-inch-thick lifts, and compacting the clay with a sheepsfoot roller.

Final Grading of Detention Basin - For the contaminated site, this includes fine grading of the bottom and side slopes of the clay liner to match design slopes and grades.

For the non-contaminated site, this includes fine grading of the excavated pit slopes and bottom.

Furnish and Place Topsoil in Detention Basin - Applicable for both sites. This activity includes importing unscreened topsoil and placing it in an approximate 0.5-foot-thick lift in the detention basin in preparation for seeding.

Seed and Mulch Detention Basin Area - Applicable for both sites. This item includes seeding and mulching the entire detention basin area.

Furnish and Place Clean Fill on Landscaped Areas - Applicable for contaminated site only. This activity involves importing random clayey or sandy fill material and placing it in an approximate 0.5-foot-thick lift over the landscape berm built from materials excavated from the detention basin.

Furnish and Place Topsoil on Landscaped Areas - Applicable for contaminated site only. This activity includes importing unscreened topsoil and placing it in an approximate 0.5-foot-thick lift over the clean fill on the landscape berm.

Seed and Mulch Disturbed Areas - Applicable for non-contaminated site only. This item includes seeding and mulching any areas disturbed by construction activities.

Seed and Mulch Landscaped Area - Applicable for contaminated site only. This item involves seeding and mulching the disturbed and landscaped areas around the site.

Site Surveys - For the contaminated site, we assumed that slope staking for excavation and berm construction would be required, then re-staking of the excavated slopes and berm would be required for fine grading. Re-staking after grading for clay liner placement and final staking for fine grading of clay liner also were assumed to be required for the contaminated site.

For the non-contaminated site, we assumed that slope staking for excavation, then re-staking of the excavated slopes would be required for fine grading.

Environmental Technician - Applicable for contaminated site only. We assumed that it would be desirable to have an environmental technician on site during all excavation of materials to verify that other environmental hazards are not present on site.

Engineering Technician - Applicable for contaminated site only. This item includes having an engineering technician on site for the placing and compacting of the clay liner. The unit cost for the technician also includes rental of a Nuclear Density Gage to perform and record field density tests and some minimal laboratory testing.

2.1 ALLOWANCES

A contingency allowance of 15 percent was added to the estimated construction costs to account for the level of uncertainties associated with quantity and cost estimates for conceptual-level designs and to account for unscheduled items.

2.2 SUMMARY OF CONSTRUCTION COSTS

Opinion of probable construction costs to develop the Heller Property into a detention basin are provided in attached Tables 2 and 3, and are summarized in Table 1. Total construction costs include allowances for contingencies, as previously described.

TABLE 1
OPINIONS OF PROBABLE CONSTRUCTION COST

	Contaminated Site Alternative [1]	Non-Contaminated Site Alternative [2]
Direct Cost	$415,710	$140,840
Contingency Allowance	$62,360	$21,125
Total	**$478,070**	**$161,964**

[1] See Table 2 for details.
[2] See Table 3 for details.

If you have any questions or require additional information, please give me a call.

Sincerely,

GEI CONSULTANTS, INC.

Robert J. Huzjak, P.E.
Project Manager

RJH/jlm

Attachments: Table 2 - Opinion of Probable Cost: Heller Property Contaminated Site Alternative
Table 3 - Opinion of Probable Cost: Heller Property Non-Contaminated Site Alternative

TABLE 2
OPINION OF PROBABLE COST
HELLER PROPERTY DETENTION POND
CONTAMINATED SITE ALTERNATIVE
DENVER, COLORADO

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT COST	ESTIMATED COST
1	Excavating and Placing Material On-site	75,500	C.Y.	$1.60	$120,800.00
2	Landscape Grading of Excavated Soils	26,650	S.Y.	$0.15	$3,997.50
3	Furnish and Place Clay Liner	12,500	C.Y.	$12.00	$150,000.00
4	Final Grading of Detention Basin	18,440	S.Y.	$0.15	$2,766.00
5	Furnish and Place Topsoil in Detention Basin	3,065	C.Y.	$10.00	$30,650.00
6	Seed and Mulch Detention Basin Area	3.8	Acres	$1,000.00	$3,800.00
7	Furnish and Place Clean Fill on Landscaped Areas	4,400	C.Y.	$7.00	$30,800.00
8	Furnish and Place Topsoil on Landscaped Areas	4,400	C.Y.	$10.00	$44,000.00
9	Seed and Mulch Landscaped Areas	5.5	Acres	$1,000.00	$5,500.00
10	Site Surveys	1	L.S.	$4,000.00	$4,000.00
11	Environmental Technician	300	Hrs	$50.00	$15,000.00
12	Engineering Technician	80	Hrs	$55.00	$4,400.00
	Direct Construction Costs (DCC)				$415,713.50
	Contingencies @ 15% of DCC				$62,357.03
	Total Estimated Project Cost				$478,070.53

TABLE 3
OPINION OF PROBABLE COST
HELLER PROPERTY DETENTION POND
NON-CONTAMINATED SITE ALTERNATIVE
DENVER, COLORADO

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT COST	ESTIMATED COST
1	Excavating and Placing Material On-site	75,500	C.Y.	$1.80	$135,900.00
2	Sale of Excavated Soil	75,500	C.Y.	($0.50)	($37,750.00)
3	Final Grading of Detention Basin	19,260	S.Y.	$0.15	$2,889.00
4	Furnish and Place Topsoil in Detention Basin	3,230	C.Y.	$10.00	$32,300.00
5	Site Surveys	1	L.S.	$2,000.00	$2,000.00
6	Seed and Mulch Detention Basin Area	4	Acres	$1,000.00	$4,000.00
7	Seed and Mulch Disturbed Areas	1.5	Acres	$1,000.00	$1,500.00
	Direct Construction Costs (DCC)				$140,839.00
	Contingencies @ 15% of DCC				$21,125.85
	Total Estimated Project Cost				$161,964.85