

GW - 163

WORK PLANS

2004



DUKE ENERGY FIELD SERVICES
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GW-163

November 30, 2004

Wayne Price
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

**Re: Stage 1 Abatement Plan
Apex Compressor Station
Lea County, New Mexico**

Dear Mr. Price:

Duke Energy Field Services, LP (DEFS) is submitting to the New Mexico Oil Conservation Division this Stage 1 Abatement Plan for the Apex Compressor Station located in Lea County, New Mexico. Per our conversation on October 20, 2004, DEFS has chosen to complete an Abatement Plan for the site as opposed to a Discharge Plan.

DEFS conducted additional investigation of known groundwater contamination at the site during a recent acquisition due diligence transaction. Details of the investigation are included in the attached plan. If you should have any questions regarding this plan please feel free to contact myself or Greg Nelson with ARCADIS at (720) 344-3500.

Sincerely,
Duke Energy Field Services, LP

Robert Pearson
Director, Environmental Assurance

cc:
Greg Nelson, ARCADIS G&M, Inc.

**Stage 1 Abatement Plan for
the Apex Compressor
Station**

Lea County, New Mexico

November 2004


Trisha Elizondo
Environmental Scientist


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Stage 1 Abatement Plan for the
Apex Compressor Station

Lea County, New Mexico

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CO000889.2801

Date:
November 17, 2004

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1. Introduction

This report documents assessment activities and abatement plans for the Apex Compressor Station ("the site"). On March 10, 2004 the ownership of the Apex Compressor Station was transferred from ConocoPhillips (COP) to Duke Energy Field Services, LP (DEFS). During the due diligence work prior to the acquisition of the property, DEFS investigated known hydrocarbon contamination in the groundwater at the site. Per our conversation with Mr. Wayne Price, DEFS is submitting to the New Mexico Oil Conservation Division (OCD) this Stage 1 Abatement Plan to address the hydrocarbon contamination at the site.

1.1 Site Description

The Apex Compressor Station is located in the central portion Lea County, New Mexico. The site occupies approximately 2.6 acres of land in the northeast quadrant of Section 36, Township 18 South, Range 36 East of the New Mexico Meridian. A hand-held global positioning system (GPS) placed the site at latitude 32.708700° North and longitude 103.3089° West. The site is surrounded by undeveloped land. The Hobbs Gas Plant is located approximately 750 feet south of the Apex Compressor Station. Figure 1 shows the site and surrounding area as shown on the USGS topographic map and Figure 2 shows the site on a 1997 USGS aerial.

The site is currently configured as a compressor station and includes:

- Four compressors,
- Dehydration units;
- Sumps; and,
- Tank batteries.

The locations of equipment and other features at the site are presented in Figure 3.

1.2 Events Summary

A summary of notable events related to discovery, reporting, assessment, and cleanup at the Apex Compressor Station is presented in Table A-1.

Table A-1. Apex Compressor Station Events Summary

Date	Event
September 2000	During an environmental site assessment for COP, hydrocarbons (specifically benzene) are found in groundwater below the tank battery at concentrations exceeding regulatory action levels.
January 2001	Three additional monitoring wells are installed to delineate groundwater contamination. Analytical results indicate elevated levels of benzene, barium, and chromium in groundwater.
June 2001-January 2002	Five additional monitoring wells are installed to further delineate groundwater contamination per the approval of OCD.
May 2002	COP proposed the use of enhanced bioremediation using a calcium nitrate amendment. Public notice of the proposed injections is given during August 2002.
March 2003	During the installation of remediation wells, phase-separated hydrocarbons (PSH) are observed floating on the water table. After a skimmer pump test was completed in wells with PSH, it is concluded that a maximum of 1 liter PSH could be removed from a well per day given a low PSH recharge to the wells. COP has reportedly conducted weekly skimming since March 2003.
September 2003	A tank battery and approximately 350 cubic yards of condensate saturated soil are removed from the site. The soil is removed to a hard caliche layer at 24 feet below ground surface (ft bgs). The excavation is filled with compacted clay backfill and the tank battery is replaced.
March/April 2004	DEFS conducts subsurface investigations during a site assessment for a property transaction. Review of records does not indicate that OCD has been notified of the presence of PSH or the occurrence of weekly skimming events. Approximately 3 feet of PSH was detected in MW05, along the east boundary of the site indicating the extent of PSH and dissolved impacts are

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	not fully delineated.
Summer 2004	DEFS contacts OCD to schedule a meeting regarding transfer of ownership and findings of site investigation.
Fall 2004	DEFS conducts conference call with OCD regarding findings and future work at southeast New Mexico assets including Apex Compressor Station. DEFS prepares and submits a Stage 1 Abatement Plan.

2. Site Characteristics

2.1 Geology

The geology at the Apex Compressor Station consists of the Tertiary Ogallala Formation. This formation is made up of alluvial and eolian deposits and petrocalcic soils of the southern High Plains area. This area includes local deposits of older alluvial deposits of the upland plains and piedmont areas. The older alluvial deposits also consist of calcic soils and eolian cover sediments of the High Plains area. Also included are scattered lacustrine, playa and alluvial deposits.

2.2 Hydrogeology

Based on previous subsurface investigations, it appears the origin of groundwater at this site is from the Ogallala aquifer. Groundwater was encountered at 60-61 ft bgs, and PSH has been identified on groundwater. Approximate groundwater flow direction is inferred to the south, based on the current placement of recovery wells RW-9 through RW-12. The gradient at the site is approximately 0.005. Hydraulic conductivity is approximately 1 to 5 ft/day and the groundwater flow velocity is estimated at 0.2 to 1 ft/day.

2.3 Soils

Results of previous subsurface investigations show that the soil around the Apex Compressor Station is comprised the Amarillo-Arvana association, which is comprised of nearly level and gently sloping sandy and loamy soils that are moderately deep and deep to soft or indurated caliche. Generally there is a fine sandy loam or loamy fine sand surface layer and a sandy clay loam subsoil. The soil of this association formed in sandy alluvium and wind-deposited sediments. It is underlain by fluvial sand, silt, clay and gravel capped by caliche of the Ogallala Formation. Maximum thickness of caliche is approximately 100 ft.

According to the Lea County Soil Survey, issued January 1974, soils at the Apex Compressor Station are made up of the Kimbrough and Kimbrough-Lea associations. The Kimbrough association consists of nearly level and gently sloping, well-drained soils in broad area on uplands in the northern and central parts of Lea County. The soils have a gravelly loam surface layer that overlies indurated caliche at a depth of 6 to 16 inches. They formed in wind-laid and water-laid deposits.

The Kimbrough-Lea association consists of nearly level and gently sloping, well-drained soils in broad areas on uplands in the north-central and central parts of Lea County. The soils have a loam and gravelly loam surface layer over a heavy loam subsoil or indurated caliche. They formed in wind-laid and alluvial deposits over indurated caliche. Typically these soils have a dark grayish-brown gravelly loam surface layer that is underlain by indurated caliche at a depth of about six inches. Lea soils have a dark grayish-brown to brown loam surface layer, a grayish-brown heavy loam subsoil, and indurated caliche at a depth of about 26 inches.

2.4 Surface Water Bodies/Receptors

It is not believed that surface water has been impacted by groundwater contamination at the site. No apparent areas of water retention were found to be within a ½ mile radius of the facility, as observed on the USGS map(s) of the area containing the site.

According to the New Mexico Office of the State Engineer, there are several wells within a one mile radius of the site. A figure depicting wells within a one mile radius of the site is included in Figure 4. Details from each well are included in Table B-1.

Well 07843 is located approximately 1,500 feet south-southeast of the site. The well has a reported use of sanitary in conjunction with a commercial use. The well depth is listed as 181 feet with a depth to groundwater of 55 feet. The well was constructed in 1978. Well 03079 is located approximately 2,500 feet south-southeast of the site. This well has a reported use of prospecting or development of a natural resource. The well was constructed in 1956 and has a reported depth to water of 65 feet. There are six additional wells located within a one mile radius of the site. The remaining wells are not located topographically down-gradient of the site and are distances over 3,000 feet from the site.

3. 2004 Site Investigation

A total of eleven soil borings were advanced in March 2004 to further delineate soil contamination at the site prior to ownership transfer. Soil boring locations are depicted on Figure 3. Additionally, four of the soil borings were converted to monitoring wells to define the site hydrogeology and delineate the extent and nature of petroleum hydrocarbons in the groundwater. Monitoring well locations are depicted on Figure 3.

3.1 Soil Boring Completion and Sampling

Four hand-augered soil borings were advanced near each of the compressors on site to identify the extent of surface staining. Eight soil borings were installed to depths of 60 ft bgs and 70 ft bgs (four to each respective depth) using air rotary drilling techniques. Major sediment types in the soil column were identified using the Unified Soil Classification System (USCS). Secondary characteristics such as grain-size distribution, moisture content, density/plasticity, and visual/olfactory impacts were observed during soil sampling activities. Soil boring logs are presented in Appendix B.

An aliquot of soil from each sampling interval was prepared in the field for headspace analysis of volatile organic compounds (VOCs) using a photoionization detector (PID). If VOCs were detected in the soil boring, the soil sample exhibiting the highest PID reading above the water table was submitted to Severn Trent Laboratories in Austin, Texas for analysis. If the soil sample PID reading indicated VOCs were at or below the background levels, the soil sample from the bottom of the boring was submitted for analysis. Soils were analyzed for BTEX, TPH-GRO, total metals, and hexavalent chromium using USEPA-approved methodologies. Four of the samples were also analyzed for RCRA metals.

The soil analytical results from the March 2004 sampling event are summarized in Table B-2, and the analytical laboratory reports are included in Appendix B. BTEX, TPH-GRO, and concentrations are illustrated on Figure 3. The analytical results can be summarized as follows:

- BTEX or TPH-GRO were not detected above the regulatory-reporting limit in the any of the soil samples submitted for analysis.
- Hexavalent chromium was not detected above the regulatory-reporting limit in any of the soil samples submitted for analysis.

- Metals, with the exception of lead, were not detected above the regulatory-reporting limit in any of the soil samples submitted for analysis. Elevated levels of lead were found in analyzed samples.

3.2 Groundwater Monitoring Well Installation and Sampling

Groundwater monitoring wells MW-B, MW-C, and MW-D were completed during March 2004 in accordance with New Mexico standards using 2-inch diameter PVC casing and 20 ft of 0.010-inch mill-slotted screen. All monitoring well screens were placed to bracket the water table. Well completion details are presented in Appendix B. Following well completion, the wells were developed using the surge and bail method until an appreciable reduction in fines was observed.

On March 25, 2004, fluid level measurements were collected from all monitoring wells using an electronic oil/water interface probe to the nearest 0.01 ft. The thickness of PSH was noted in wells where present. Depth to groundwater is approximately 60 ft bgs.

Groundwater samples were collected from the newly installed monitoring wells along with 12 existing monitoring wells using dedicated disposable polyethylene bailers. Samples were not collected for lab analysis from wells with PSH present. Prior to sampling, the wells were purged a minimum of three well volumes to ensure the collection of a representative groundwater sample. Groundwater samples were placed in laboratory-supplied containers, packed on ice, and shipped to Severn Trent Laboratories in Austin, Texas for analysis of BTEX, TPH-GRO, metals, nitrate-nitrite, sulfate, total alkalinity, and methane using USEPA-approved methodologies. Water quality parameters collected in the field included pH, specific conductance, temperature, and dissolved oxygen (DO).

The groundwater results collected from the monitoring wells are summarized in Table B-3, and the analytical laboratory reports are included in Appendix B. The results can be summarized as follows:

- PSH was detected in eight existing wells at thicknesses ranging from 1.1 ft to 3.06 ft.
- Benzene was detected above regulatory limits in three of the groundwater samples. MW-B had a benzene concentration of 36 ug/L, MW-7 170 ug/L, and MW-D had a concentration of 600 ug/L.

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- Toluene and xylene were detected above regulatory reporting limits in MW-D at 880 ug/L and 1700 ug/L, respectively.
- Ethylbenzene was not detected above regulatory reporting limits in any of the groundwater samples.
- TPH-GRO was detected above the laboratory-reporting limit in MW-7, MW-B, and MW-D. Concentrations of TPH-GRO in ranged from 300 to 8700 ug/L.
- Metals were not detected at levels above regulatory reporting limits in samples submitted for analysis.
- Elevated nitrate/nitrite indicate that proposed injections of calcium nitrate amendment have been initiated at the site. Levels of nitrate are above the regulatory limit of 10 mg/L in recovery wells outside of the southern boundary.

4. Proposed Site Characterization

It appears that PSH is widespread on the groundwater table. PSH and dissolved impacts are not fully delineated, especially on the east boundary of the site. The current OCD approved remedial method has not been evaluated to address groundwater contamination including PSH. In addition, it appears that elevated levels of nitrates are migrating offsite. DEFS proposes to further delineate the plume and gather additional information on site geology and hydrogeology. Prior to work being initiated at the site, a site specific health and safety plan will be developed. Daily tailgate meetings will be conducted with any sub-contractors on the site prior to the initiation of any field work.

4.1 Groundwater Delineation

To fully delineate the contamination, DEFS will pursue off-site access agreements with property owner El Paso Natural Gas. Proposed monitoring well locations are presented on Figure 3. Soils from well borings will be logged by a geologist. A PID will be used to field screen the soil from the wells for contamination and a minimum of one sample from each well location will be submitted for analysis. The submitted sample will be chosen by either the highest PID reading or the sample immediately above the saturated zone.

DEFS will continue product skimming at the site, in a good faith measure, to ensure that PSH is not spreading until a new remedial method has been determined and approved by OCD.

4.2 Sampling Method and Frequency

Groundwater at the site will be sampled for BTEX and TPH-GRO. Monitored natural attenuation constituents including bicarbonate alkalinity, methane, nitrate/nitrite, and sulfate will be analyzed for monitoring wells on the edges of the plume to determine if the subsurface environment could promote microbial degradation of the dissolved hydrocarbons. Nitrate-nitrite will be monitored in the recovery wells RW-10 and RW-11 to determine if elevated nitrates are migrating offsite. In addition to laboratory analyzed constituents, pH, dissolved oxygen, and redox potential will be measured for each monitoring well in the field. Sampling and analytical techniques will be consistent with those listed in Subsection B of Section 20.6.2.3107 NMAC.

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Proposed sampling and reporting will be completed on a quarterly basis. Product skimming will continue on a monthly basis.

5. Schedule

5.1 Proposed Action Schedule

The following schedule is proposed by DEFS to move toward closure of the site and the remediation of the known benzene contamination. OCD, land owners, and utility locates will be called at least 7 days prior to any field work being initiated.

Table A-2. Proposed Schedule

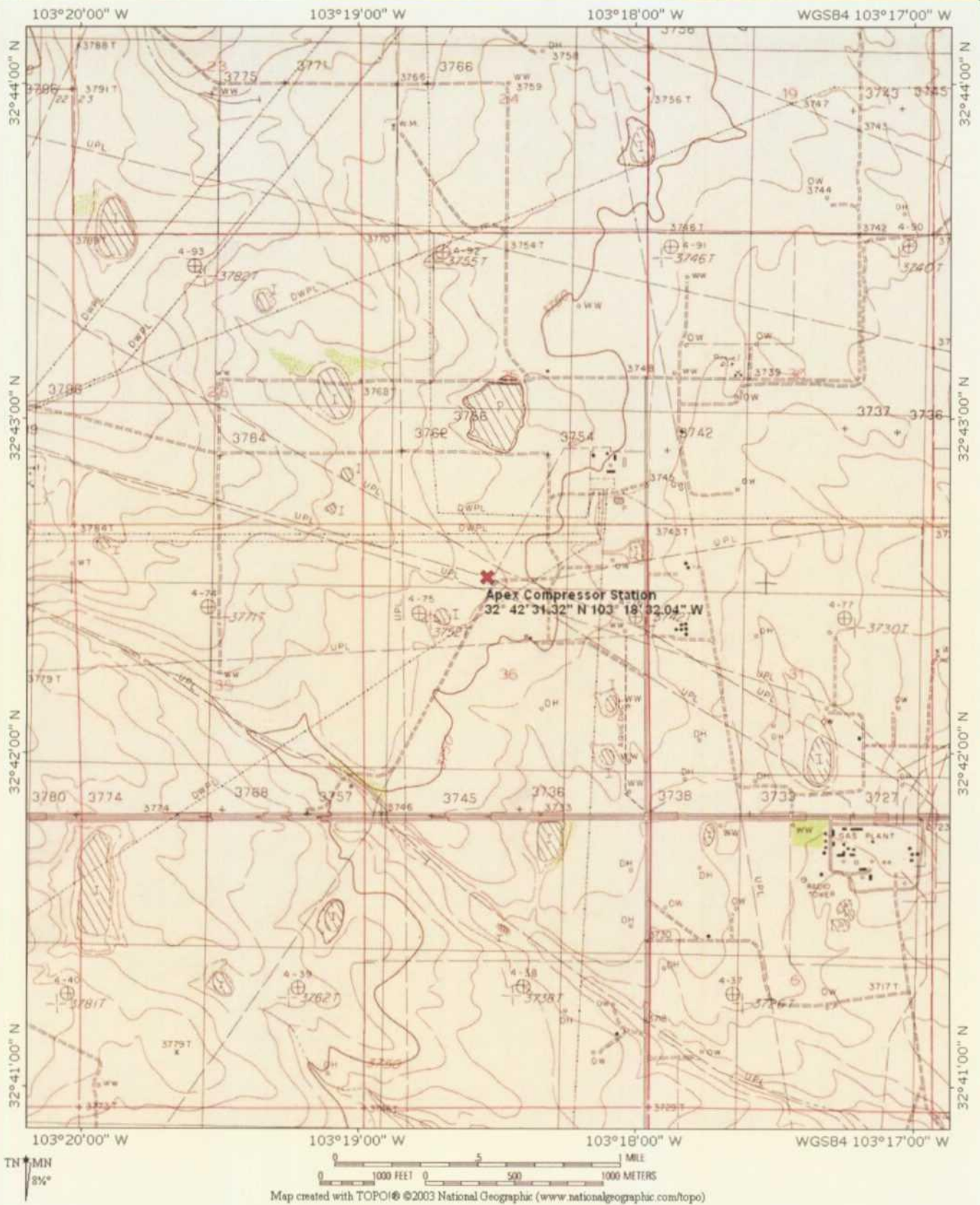
Estimated Date	Event
December 2004	Submit Stage 1 Abatement Plan to New Mexico OCD for review and approval.
January 2005	Pursuant to off-site access agreements, DEFS will install additional wells at the Apex Compressor Station and submit samples for analysis of BTEX, TPH-GRO, and MNA. Product skimming will continue at the site on a monthly basis.
February 2005	DEFS will submit a Stage 2 Abatement Plan pending the results of the Stage 1 sampling activities. The Stage 2 Abatement Plan will include a public notification proposal.
March 2005	DEFS will submit its first quarterly monitoring report to OCD.

5.2 Conclusion

Widespread PSH and dissolved phase hydrocarbons at the site have not been fully characterized. The current OCD approved remedial method may not be adequate for the current conditions at the site. DEFS proposes to attain off-site access from El Paso Natural Gas and install additional wells to properly define the extent of PSH and dissolved phase hydrocarbons at the site. DEFS will continue to perform weekly skimming activities until a new remedial option has been approved.

DEFS respectfully requests approval of this Stage 1 Abatement Plan.

DWG DATE: 11/17/04 PRJCT NO.: C0000889 2801 HARD FILE: DRAWING: COSLM-0049 CHECKED: TE APPROVED: GN DRAFTER: PMW



Site Location Map

APEX COMPRESSOR STATION
Lea County, New Mexico

FIGURE

1

DRAFTER: PMW

APPROVED: GN

CHECKED: TE

DRAWING: COSLM-0050

HARD FILE:

PRJCT NO.: CO00889.2801

DWG DATE: 11/17/04



1997 Aerial Photograph of Site

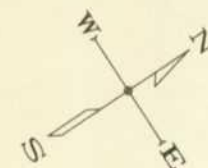
APEX COMPRESSOR STATION
Lea County, New Mexico

FIGURE

2



- | GROUNDWATER | | GROUNDWATER SAMPLE |
|-------------|-----|------------------------------|
| B | 170 | BENZENE, ppb |
| T | 28 | TOLUENE, ppb |
| E | 27 | ETHYLBENZENE, ppb |
| X | 40 | XYLENES, ppb |
| GRO | 830 | GASOLINE RANGE ORGANICS, ppb |



0 50
Approximate Scale in Feet



APEX COMPRESSOR STATION
Lea County, New Mexico

FIGURE

3

DRAFTER: MPO

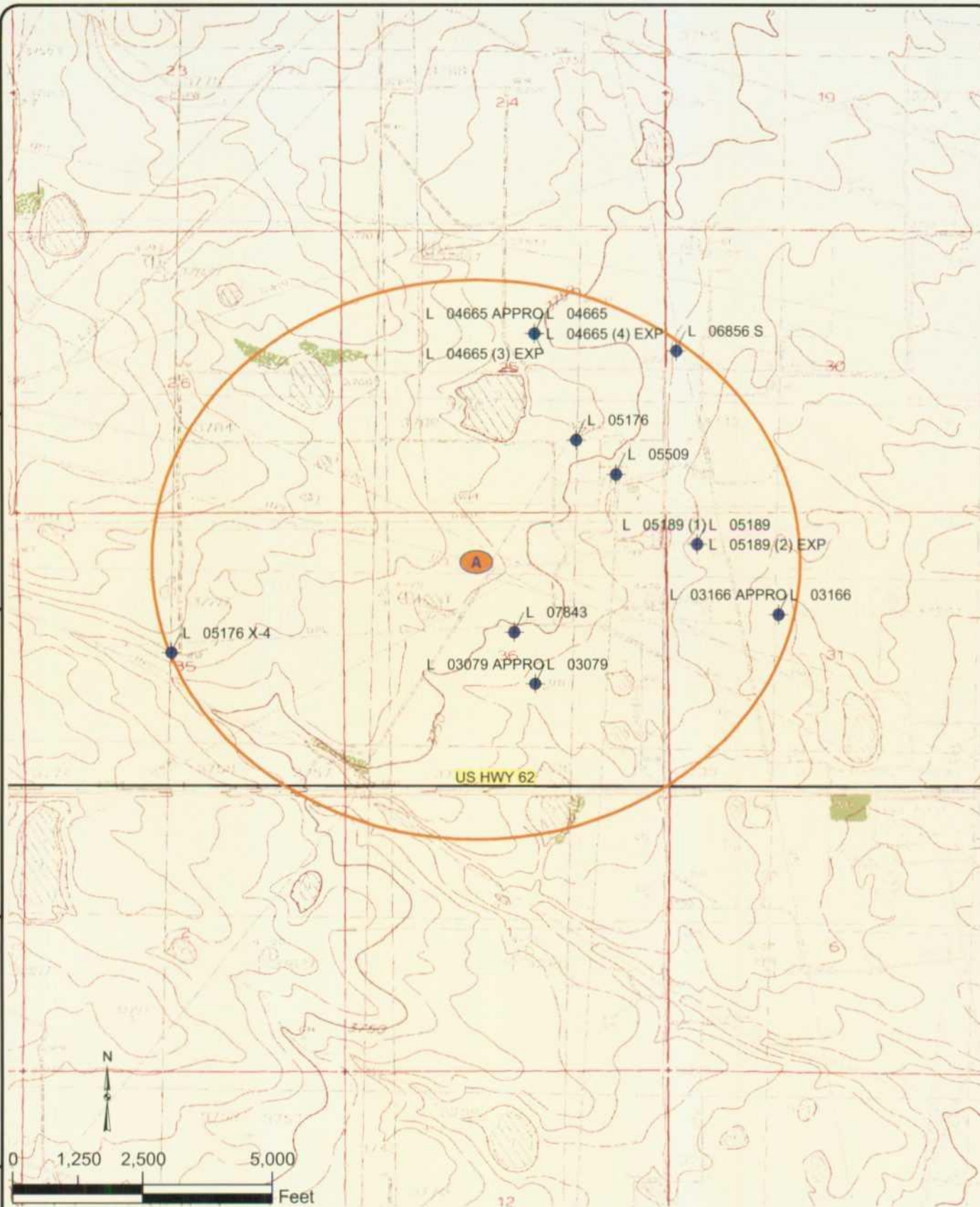
APPROVED: TEE

CHECKED: TEE

DRAWING: Apex Compressor Station - wells.mxd

PRJCT NO.: C0000889 2801

DWG DATE: 11/16/2004



Apex Compressor Station Registered Wells 1-Mile Radius

Section 36, Township 18S, Range 36E
Lea County, New Mexico

FIGURE

4

**Table B-1. Apex Compressor Station
Wells Within a One-Mile Radius**

Well Number	Use	Township	Range	Section	Easting	Northing	Start Date	Finish Date	Well Depth (ft)	Depth to Water (ft)
L 03079	PRO	18S	36E	36	658865	3619347	1/10/1956	1/11/1956	122	65
L 03079 APPRO	PRO	18S	36E	36	658865	3619347	1/10/1956	1/11/1956	122	65
L 03166	PRO	18S	37E	31	660066	3619769	4/8/1956	4/9/1956	108	35
L 03166 APPRO	PRO	18S	37E	31	660066	3619769	4/8/1956	4/9/1956	108	35
L 04665	PRO	18S	36E	25	658830	3621358	6/23/1961	6/23/1961	125	60
L 04665 (1) EXP	PRO	18S	36E	25	658830	3621358	NR	NR	0	0
L 04665 (2) EXP	PRO	18S	36E	25	658830	3621358	NR	NR	0	0
L 04665 (3) EXP	PRO	18S	36E	25	658830	3621358	NR	NR	0	0
L 04665 (4) EXP	PRO	18S	36E	25	658830	3621358	NR	NR	0	0
L 04665 APPRO	PRO	18S	36E	25	658830	3621358	6/23/1961	6/23/1961	125	60
L 05176	IND	18S	36E	25	659045	3620754	2/1/1965	2/10/1965	206	84
L 05176 X-4	IND	18S	36E	35	657054	3619503	2/6/1965	2/11/1965	177	70
L 05189	PRO	18S	37E	31	659657	3620165	7/12/1963	7/13/1963	120	65
L 05189 (1)	PRO	18S	37E	31	659657	3620165	NR	NR	0	0
L 05189 (2) EXP	PRO	18S	37E	31	659657	3620165	NR	NR	0	0
L 05509	PRO	18S	36E	25	659247	3620360	12/4/1964	12/5/1964	103	45
L 06856 S	IRR	18S	37E	30	659535	3621269	NR	NR	0	0
L 07843	SAN	18S	36E	36	658757	3619648	7/25/1978	8/1/1978	181	55

Notes:

PRO - 72-12-1 Prospecting or development of natural resource

IND - Industrial

IRR - Irrigation

SAN - 72-12-0 Sanitary in conjunction with a commercial use

NR - not reported

Information Source-New Mexico State Engineer Office W.A.T.E.R.S. program

Table B-2. Soil Organic Analytical Results - Apex Compressor Station

Location	Depth	Date Collected	BTEX				Gasoline Range Organics
			Benzene	Ethylbenzene	Toluene	Xylenes (total)	
	ft-bgs		-----ug/kg-----				
MW-B	10	3/20/2004	<5	<5	<5	<5	<100
MW-C	10	3/20/2004	<5	<5	<5	<5	<100
MW-D	10	3/21/2004	<5	<5	<5	<5	<100
SB-E	10	3/21/2004	<5	29	<5	11	1200
SB-F	60	3/21/2004	<5	18	<5	11	1400
SB-G	10	3/21/2004	<4.8	35	<4.8	51	3700
SB-H	60	3/21/2004	<22	<22	<22	63	6500
SB-I	0-1	3/23/2004	<4.8	<4.8	<4.8	<4.8	NT
SB-J	0-1	3/23/2004	<5	<5	<5	<5	NT
SB-J	1-1.5	3/23/2004	<5	<5	<5	<5	NT
SB-J	1.5-2	3/23/2004	<4.8	<4.8	<4.8	<4.8	NT
SB-K	0-1	3/23/2004	<5	<5	<5	<5	NT
SB-L	0-1	3/23/2004	<4.8	<4.8	<4.8	<4.8	NT
SB-L	1-1.5	3/23/2004	<4.8	<4.8	<4.8	<4.8	NT

Notes:

Samples analyzed by Severn Trent laboratories, Austin. See I4C240194 and I4C300228 for full report.

ft-bgs - feet below ground surface

ug/kg - micrograms per kilograms

NT - not tested

BTEX compounds analyzed using EPA Method 8021B

Gasoline Range Organics analyzed using EPA Method 8015B

MW-A not installed

Table B-3 Soil Inorganic Analytical Results - Apex Compressor Station

Location	Depth	Date Collected	Total Metals								Hexavalent Chromium
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	
			ft-bgs-----mg/kg-----								
MW-B	10	3/20/2004	NT	NT	NT	NT	NT	NT	NT	NT	<0.4
MW-C	10	3/20/2004	NT	NT	NT	NT	NT	NT	NT	NT	<0.4
MW-D	10	3/21/2004	NT	NT	NT	NT	NT	NT	NT	NT	<0.4
SB-E	10	3/21/2004	3.2	140	<0.46	2.6	1.8	<0.089	<0.46	<0.93	<0.4
SB-F	60	3/21/2004	1.5	60.7	<0.45	5.9	1.7	<0.073W	<0.45	<0.9	<0.4
SB-G	10	3/21/2004	3	97.1	<0.46	2.1	1.3	<0.096	<0.46	<0.91	<0.4
SB-H	60	3/21/2004	1.2	131	<0.46	4.9	1.6	<0.096	<0.46	<0.92	<0.4
SB-I	0-1	3/23/2004	6.1	142	<0.39	8	5	<0.070	0.47	<0.78	NT
SB-J	0-1	3/23/2004	6.1	173	<0.40	2.4	2.3	<0.083	<0.40	<0.81	NT
SB-J	1-1.5	3/23/2004	6.2	454	<0.40	1.4	0.41	<0.10	<0.40	<0.81	NT
SB-J	1.5-2	3/23/2004	6	386	<0.41	1.6	0.81	<0.088	<0.41	<0.82	NT
SB-K	0-1	3/23/2004	6.6	277	<0.42	2.6	1.9	<0.098	<0.42	<0.83	NT
SB-L	0-1	3/23/2004	4.5	188	<0.38	3.5	2	<0.092	<0.38	<0.75	NT
SB-L	1-1.5	3/23/2004	3.2	102	<0.37	10.8	5.5	<0.10	<0.37	<0.74	NT

Notes:

Samples analyzed by Severn Trent laboratories, Austin. See I4C240194 and I4C300228 for full report.

ft-bgs - feet below ground surface

ug/kg - milligrams per kilograms

NT - not tested

Total Metals analyzed using EPA Method 6010B

Total Mercury analyzed using EPA Method 7470A

Hexavalent Chromium analyzed using EPA Method 7196A

W - Post digestion spike recovery outside of control limits

MW-A not installed

Table B-4. Groundwater Organic Analytical Results - Apex Compressor Station

Location	Date Collected	BTX				Gasoline Range	
		Benzene	Ethylbenzene	Toluene	Xylenes (total)	Organics	
							ug/l
MW-6	3/25/2004	<1.0	<1.0	<1.0	<3.0	<100	
MW-7	3/26/2004	170	27	28	40	830	
MW-B	3/25/2004	36	<1.0	6.3	28	300	
MW-C	3/25/2004	<1.0	<1.0	<1.0	<3.0	<100	
MW-D	3/25/2004	600	250	880	1700	8700	
RW-10	3/25/2004	<1.0	<1.0	2.3	<3.0	<100	
RW-11	3/25/2004	<1.0	<1.0	<1.0	<3.0	<100	
MW-1	3/25/2004			PSH - 1.35'			
MW-3	3/25/2004			PSH - 3.06'			
MW-5	3/25/2004			PSH - 2.97'			
RW-1	3/25/2004			PSH - 2.27'			
RW-3	3/25/2004			PSH - 1.15'			
RW-4	3/25/2004			PSH - 2.90'			
RW-6	3/25/2004			PSH - 1.76'			
RW-8	3/25/2004			PSH - 1.10'			

Notes:

Samples analyzed by Severn Trent laboratories, Austin. See I14C300228 for full report.

ug/l - micrograms per liter

BTX compounds analyzed using EPA Method 8021B

Gasoline Range Organics analyzed using EPA Method 8015B

Table B-5 Groundwater Inorganic Analytical Results - Apex Compressor Station

Location	Date Collected	Anions		Total Metals							Other		
		Nitrate-Nitrite	Sulfate	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury-Total	Selenium	Silver	Total Alkalinity	Methane
-----mg/kg-----													
MW-6	3/25/2004	837	65	0.025	<0.20	<0.0020	<0.0050	<0.0030	<0.00020	0.017	<0.0050	273	0.51
MW-7	3/26/2004	<0.10	539	NT	NT	NT	NT	NT	NT	NT	NT	875	2300
MW-B	3/25/2004	0.97	81.9	0.016	0.29	<0.0020	0.0053	<0.0030	<0.00020	0.014	<0.0050	268	54
MW-C	3/25/2004	3.5	54.9	0.018	<0.20	<0.0020	0.0063	<0.0030	<0.00020	0.022	<0.0050	191	0.84
MW-D	3/25/2004	397	23.3	0.046	1.3	<0.0020	0.0053	0.0032	<0.00020	0.027	<0.0050	465	160
RW-10	3/25/2004	16.6	246	0.03	<0.20	<0.0020	0.016	0.0072	<0.00020	0.042	<0.0050	232	1.2
RW-11	3/25/2004	14.9	87.4	0.026	0.21	<0.0020	0.0065	0.0082	<0.00020	0.036	<0.0050	258	0.69

Notes:

Samples analyzed by Severn Trent laboratories, Austin. See I4C300228 for full report.

mg/l - milligrams per liter

ug/l - micrograms per liter

NT - not tested

Nitrate-Nitrite analyzed using EPA Method 353.2

Sulfate analyzed using EPA Method 300.0A

Dissolved Metals analyzed using EPA Method 6010B

Total Mercury analyzed using EPA Method 7470A

Total Alkalinity analyzed using EPA Method 310.1

Methane analyzed using EPA Method SOP-175

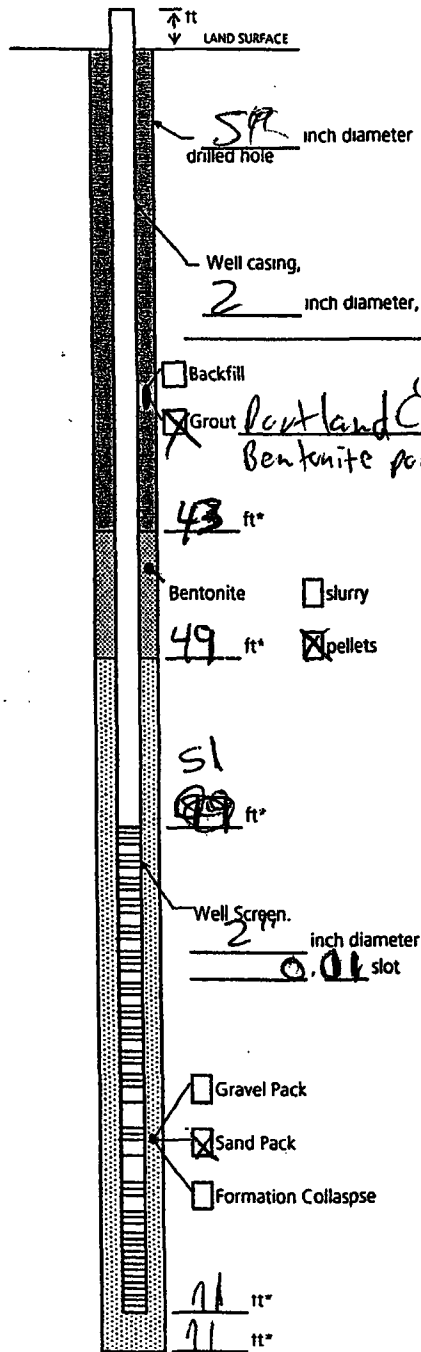


Appendix A

Soil Boring Logs and Well
Completion Logs



WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project C 0000 889.2801 Well B
Town/City APEX Compressor Station
County Lea State NM
Permit No. _____
Land-Surface Elevation and Datum: _____ feet ☐ Surveyed ☐ Estimated
Installation Date(s) 3/20/04
Drilling Method Air Rotary
Drilling Contractor Scarborough Drilling
Drilling Fluid N/A

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallons
Water Removed During Development _____ gallons
Static Depth to Water _____ feet below M.P.
Pumping Depth to Water _____ feet below M.P.
Pumping Duration _____ hours
Yield _____ gpm Date _____
Specific Capacity _____ gpm/ft

Well Purpose monitoring

Remarks

Prepared by Gerardo H. Garcia

SOIL CORE / SAMPLING LOG

Boring (Well) C Project/No. CD000 889.2801 Page 1 of 1

Site Location APEX Compressor Station Drilling Started 3/20/04 Drilling Completed 3/20/04

Drilling Contractor Scarborough Driller Scott Scarborough Helper Dimar

Drilling Fluid Used N/A Drilling Method Air Rotary

Length and Diameter of Coring Device 1' long; 3" I.D. Sampling Interval 10'/20'/30'/40'/50'/60' feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 21 Feet Hole Diameter 5" Coring Device "Pig's Foot"

Prepared By Gerardo H. Garcia Hammer Weight N/A Hammer Drop N/A ins.

Sampling Data:

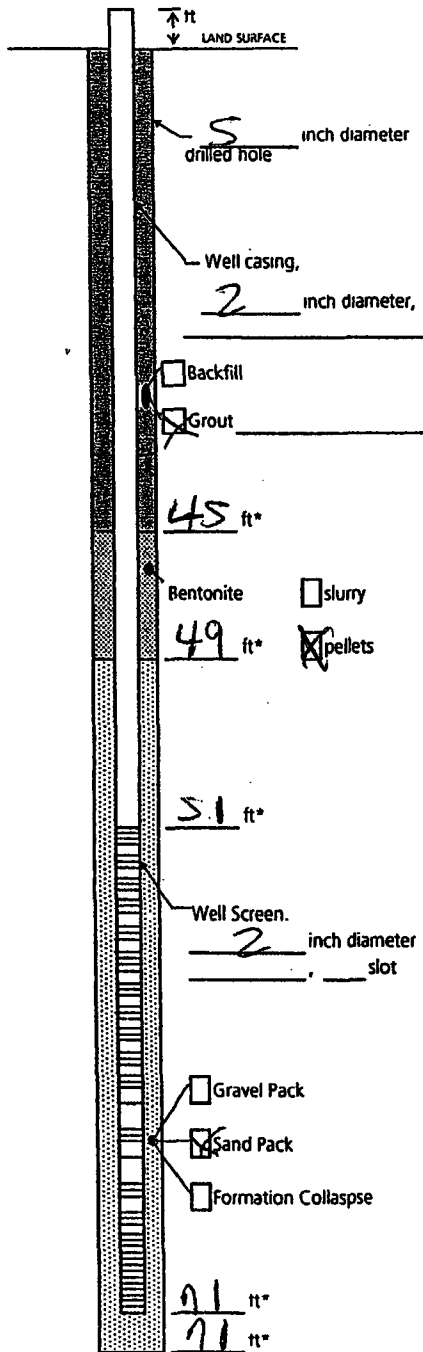
Depth	Grab/Composite	Time	Laboratory Analysis
10'	Grab	13:20	BTEX, TPH, & Hexavalent Chromium

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (Feet)	OVM Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
From	To				
0	2'		PI D		Fill - Sand and coarse gravel
2'	5'		inoperable		Caliche, hard, white
5'	26'				Sand (SP), brown, fine grained, loose, dry, trace of caliche.
26'	38'				Caliche - hard, white, some sand
38'	42'				Sand (SP), brown, fine grained, moist with caliche
42'	50'				Sandstone hard, some sand
50'	61'				Sand (SP), brown, fine grained, moist
61'	67'				Sandstone and sand
67'	71'		✓		Sand (SP), brown, fine grained, loose, moist
					TD = 71' bgs



WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is
top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project Case 889.280 Well C
Town/City APEX Compressor Station (west of Hobbs)
County Lea State NM
Permit No. _____

Land-Surface Elevation and Datum:

_____ feet ☐ Surveyed
☐ Estimated

Installation Date(s) 3/20/04

Drilling Method Air Rotary

Drilling Contractor Scarborough

Drilling Fluid N/A

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

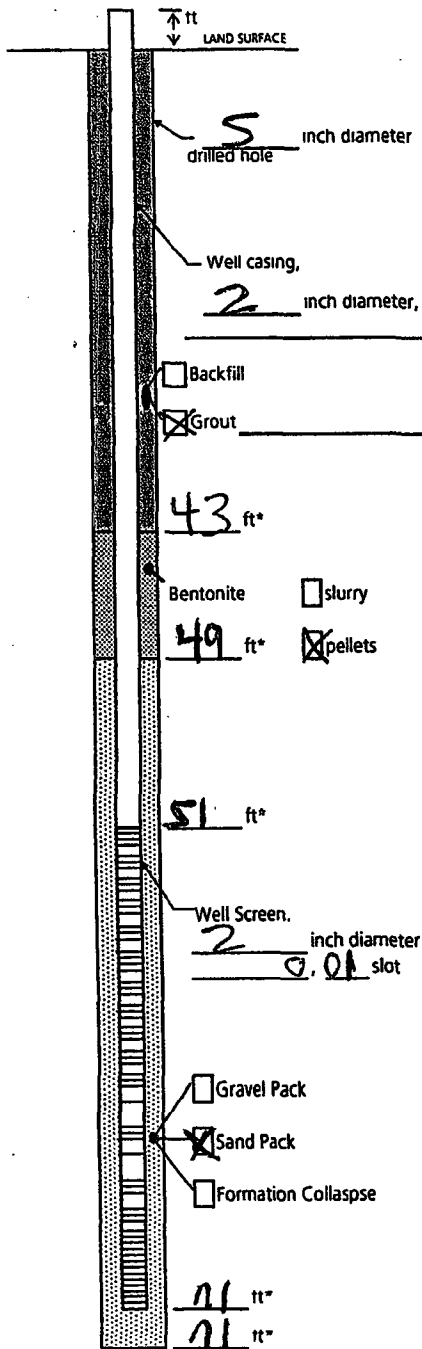
Well Purpose monitoring

Remarks _____

Prepared by Gerardo H. Garcia



WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project CO 889.2801 Well D
Town/City APEx Computer Station west of Hobbs
County Lea State NM
Permit No. _____

Land-Surface Elevation and Datum:

_____ feet ☐ Surveyed
☐ Estimated

Installation Date(s) 3/21/04

Drilling Method Air Rotary

Drilling Contractor Scarborough

Drilling Fluid N/A

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose Monitoring

Remarks _____

Prepared by Gerardo H. Garcia

SOIL CORE / SAMPLING LOG



Sampling Data:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (Feet)	OVM Reading (ppm)	Blow Counts per 6 inches	Sample/Core Description
From	To				
0	1.5				Fill - Dark brown sandy clay
1.5	3				Caliche - hard, white, with fine sand
3	25	@10'	7.7	ppm	Sand (SP), tan, fine grained, loose,
		@20'	7.0	ppm	dry, with caliche
					brown and with trace of caliche
					below 11' bgs.
					with caliche below 22' bgs.
25	33	@30'	9.0	ppm	Caliche hard, white, with fine sand
33	60	@40'	6.0	ppm	Sand (SP), brown, fine grained,
		@50'	40	ppm	loose dry with sandstone.
		@60'	157	ppm	trace of sandstone below 40' bgs
					strong hydrocarbon odor in 60'
					soil sample.

SOIL CORE / SAMPLING LOG

Boring/Well SBAH Project/No. CG 000 889. 2801 Page 1 of 1

Site Location Apex Drilling Started 3/21/09 Drilling Completed _____

Drilling Contractor Harrison & Cooper Driller Ken Cooper Helper _____

Drilling Fluid Used Air Drilling Method Rotary

Length and Diameter of Coring Device 2' 3" Sampling Interval Variable feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 55 Feet Hole Diameter 6 1/4 Coring Device Split Spoon

Prepared		Hammer	Hammer	
By	Relish Lang	Weight	Drop	ins.

Sampling Data:

Depth	Grab/Composite	Time	Laboratory Analysis
30-35		10:40	

Soil Characterization:

[illegible]

Appendix B

Lab Report

Certificate of Analysis

STL Austin • 14046 Summit Drive, Austin, TX 78728 • Tel 512 244 0855 • Fax 512 244 0160 • www.stl-inc.com

ANALYTICAL REPORT

REVISED

PROJECT NO. C0000889.2800

SENM

Lot #: I4C300228

Matt Findley

ARCADIS Geraghty & Miller Inc
630 Plaza Drive
Att: Denver Tech A/P
Suite 200
Highlands Ranch, CO 80129-2377

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in black ink, appearing to read "Neal Salcher", written in a cursive style.

Neal J. Salcher
Project Manager

April 16, 2004

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

April 14, 2004

STL LOT NUMBER: **I4C300228**

PO/CONTRACT: DFS-APEX Compressor Station

Matt Findley
ARCADIS Geraghty & Miller Inc
630 Plaza Drive
Att: Denver Tech A/P
Suite 200
Highlands Ranch, CO 80129-2377

Dear Matt Findley,

This report contains the analytical results for the 49 samples received under chain of custody by Severn Trent Laboratories (STL) on March 30, 2004. These samples are associated with your SENM project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (512) 244-0855.

Sincerely,



Neal Salcher
Project Manager

cc: Project File

LOT NUMBER I4C300228

Nonconformance 09-10478 - CLOSED

Affected Samples:

I4C300228 (2):
I4C300228 (3):
I4C300228 (5):
I4C300228 (6):
I4C300228 (7):
I4C300228 (10):
I4C300228 (11):
I4C300228 (14):
I4C300228 (15):
I4C300228 (17):
I4C300228 (19):
I4C300228 (21):
I4C300228 (24):
I4C300228 (26):
I4C300228 (27):
I4C300228 (29):
I4C300228 (30):

Affected Methods:

8015B

Case Narrative:

The surrogate recoveries for the mid-run CCV were outside control limits by 3%; however, a blank was analyzed after the CCV and the surrogate recovery met criteria. Another CCV was analyzed after all samples were analyzed and the surrogate recoveries met the CCV criteria.

Corrective Action:

None.

Nonconformance 09-10487 - CLOSED

Affected Samples:

I4C300228 (49):

Affected Methods:

None specified.

Case Narrative:

Surrogate recovery for DCB failed control limits. The raw data show clear evidence of matrix interference. All other calibration and QC criteria were met.

Corrective Action:

None.

Nonconformance 09-10524 - CLOSED**Affected Samples:**

I4C300228 (1):
I4C300228 (4):
I4C300228 (22):
I4C300228 (28):
I4C300228 (38):
I4C300228 (39):
I4C300228 (40):
I4C300228 (41):
I4C300228 (42):
I4C300228 (43):
I4C300228 (44):
I4C300228 (45):
I4C300228 (46):
I4C300228 (47):

Affected Methods:

8015B

Case Narrative:

The MS/MSD was not reported because the sample amount was greater than five times the spike level. Acceptable LCS/LCSD analysis data demonstrate that the analytical system was operating in control. LCS/LCSD will serve as a measure of precision.

Corrective Action:

None.

Nonconformance 09-10528 - CLOSED**Affected Samples:**

I4C300228 (8):
I4C300228 (12):
I4C300228 (31):
I4C300228 (37):

Affected Methods:

8015B

Case Narrative:

Surrogate recovery for OTP and NC 32 failed control limits. The raw data shows clear evidence of matrix interference. All other calibration and QC criteria were met.

Corrective Action:

None.

EXECUTIVE SUMMARY - Detection Highlights

I4C300228

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
APMWAOB 03/25/04 09:50 001				
Gasoline Range Organics	300	100	ug/L	SW846 8015B
Methane	54	0.50	ug/L	RSK SOP-175
Benzene	36	1.0	ug/L	SW846 8021B
Toluene	6.3	1.0	ug/L	SW846 8021B
Xylenes (total)	28	3.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.016	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	0.29	0.20	mg/L	SW846 6010B
Chromium - DISSOLVED	0.0053	0.0050	mg/L	SW846 6010B
Selenium - DISSOLVED	0.014	0.0050	mg/L	SW846 6010B
Nitrate-Nitrite	0.97	0.10	mg/L	MCAWW 353.2
Sulfate	81.9	20.0	mg/L	MCAWW 300.0A
Total Alkalinity	268	5.0	mg/L	MCAWW 310.1
APEXRW-11 03/25/04 18:30 002				
Methane	0.69	0.50	ug/L	RSK SOP-175
Arsenic - DISSOLVED	0.026	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	0.21	0.20	mg/L	SW846 6010B
Chromium - DISSOLVED	0.0065	0.0050	mg/L	SW846 6010B
Lead - DISSOLVED	0.0082	0.0030	mg/L	SW846 6010B
Selenium - DISSOLVED	0.036	0.0050	mg/L	SW846 6010B
Nitrate-Nitrite	14.9	2.0	mg/L	MCAWW 353.2
Sulfate	87.4	20.0	mg/L	MCAWW 300.0A
Total Alkalinity	258	5.0	mg/L	MCAWW 310.1
APMWAOC 03/25/04 09:30 003				
Methane	0.84	0.50	ug/L	RSK SOP-175
Arsenic - DISSOLVED	0.018	0.010	mg/L	SW846 6010B
Chromium - DISSOLVED	0.0063	0.0050	mg/L	SW846 6010B
Selenium - DISSOLVED	0.022	0.0050	mg/L	SW846 6010B
Nitrate-Nitrite	3.5	1.0	mg/L	MCAWW 353.2
Sulfate	54.9	20.0	mg/L	MCAWW 300.0A
Total Alkalinity	191	5.0	mg/L	MCAWW 310.1
APMWAOD 03/25/04 08:50 004				
Gasoline Range Organics	8700	1000	ug/L	SW846 8015B
Methane	160	1.5	ug/L	RSK SOP-175
Benzene	600	10	ug/L	SW846 8021B
Ethylbenzene	250	10	ug/L	SW846 8021B
Toluene	880	10	ug/L	SW846 8021B
Xylenes (total)	1700	30	ug/L	SW846 8021B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4C300228

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
APMWAOD 03/25/04 08:50 004				
Arsenic - DISSOLVED	0.046	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	1.3	0.20	mg/L	SW846 6010B
Chromium - DISSOLVED	0.0053	0.0050	mg/L	SW846 6010B
Lead - DISSOLVED	0.0032	0.0030	mg/L	SW846 6010B
Selenium - DISSOLVED	0.027	0.0050	mg/L	SW846 6010B
Nitrate-Nitrite	397	20.0	mg/L	MCAWW 353.2
Sulfate	23.3	20.0	mg/L	MCAWW 300.0A
Total Alkalinity	465	5.0	mg/L	MCAWW 310.1
APEXRW-10 03/25/04 18:10 005				
Methane	1.2	0.50	ug/L	RSK SOP-175
Toluene	2.3	1.0	ug/L	SW846 8021B
Arsenic - DISSOLVED	0.030	0.010	mg/L	SW846 6010B
Chromium - DISSOLVED	0.016	0.0050	mg/L	SW846 6010B
Lead - DISSOLVED	0.0072	0.0030	mg/L	SW846 6010B
Selenium - DISSOLVED	0.042	0.0050	mg/L	SW846 6010B
Nitrate-Nitrite	16.6	2.0	mg/L	MCAWW 353.2
Sulfate	246	20.0	mg/L	MCAWW 300.0A
Total Alkalinity	232	5.0	mg/L	MCAWW 310.1
APEXMW-6 03/25/04 08:20 006				
Methane	0.51	0.50	ug/L	RSK SOP-175
Arsenic - DISSOLVED	0.025	0.010	mg/L	SW846 6010B
Selenium - DISSOLVED	0.017	0.0050	mg/L	SW846 6010B
Nitrate-Nitrite	837	100	mg/L	MCAWW 353.2
Sulfate	65.0	20.0	mg/L	MCAWW 300.0A
Total Alkalinity	273	5.0	mg/L	MCAWW 310.1
PCA WATER WASTE 03/21/04 16:30 007				
Toluene	1.9	1.0	ug/L	SW846 8021B
Chloride	2000	1000	mg/L	MCAWW 300.0A
PCA SOIL WASTE 03/21/04 16:30 008				
Diesel Range Organics	160	15	mg/kg	SW846 8015B
Arsenic	2.0	0.99	mg/kg	SW846 6010B
Barium	163	19.8	mg/kg	SW846 6010B
Chromium	4.8	0.99	mg/kg	SW846 6010B
Lead	2.5	0.30	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4C300228

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
RAM SOIL WASTE 03/26/04 17:27 009				
Arsenic	3.1	0.92	mg/kg	SW846 6010B
Barium	86.8	18.4	mg/kg	SW846 6010B
Chromium	12.5	0.92	mg/kg	SW846 6010B
Lead	4.5	0.28	mg/kg	SW846 6010B
RAM WATER WASTE 03/26/04 17:27 010				
Gasoline Range Organics	110	100	ug/L	SW846 8015B
Benzene	5.6	1.0	ug/L	SW846 8021B
Ethylbenzene	1.1	1.0	ug/L	SW846 8021B
Xylenes (total)	4.7	3.0	ug/L	SW846 8021B
Chloride	241	100	mg/L	MCAWW 300.0A
HOB WATER WASTE 03/26/04 09:45 011				
Chloride	25.8	20.0	mg/L	MCAWW 300.0A
HOB SOIL WASTE 03/26/04 09:45 012				
Diesel Range Organics	130	15	mg/kg	SW846 8015B
Arsenic	3.4	0.95	mg/kg	SW846 6010B
Barium	172	19.0	mg/kg	SW846 6010B
Chromium	7.4	0.95	mg/kg	SW846 6010B
Lead	6.7	0.28	mg/kg	SW846 6010B
NEC SOIL WASTE 03/26/04 10:35 013				
Arsenic	1.3	0.87	mg/kg	SW846 6010B
Barium	62.1	17.4	mg/kg	SW846 6010B
Chromium	7.5	0.87	mg/kg	SW846 6010B
Lead	2.8	0.26	mg/kg	SW846 6010B
NEC WATER WASTE 03/26/04 10:35 014				
Chloride	41.4	20.0	mg/L	MCAWW 300.0A
ANTE HYDROBLAST WATER 03/24/04 15:35 015				
Xylenes (total)	22	3.0	ug/L	SW846 8021B
Chloride	54.4	20.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4C300228

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
ANTE DILLING SOIL 03/25/04 15:10 016				
Arsenic	1.0	0.89	mg/kg	SW846 6010B
Barium	38.1	17.8	mg/kg	SW846 6010B
Chromium	2.9	0.89	mg/kg	SW846 6010B
Lead	1.8	0.27	mg/kg	SW846 6010B
STATELINE WATER WASTE 03/25/04 12:30 017				
Chloride	10800	2000	mg/L	MCAWW 300.0A
STATELINE SOIL WASTE 03/25/04 12:30 018				
Arsenic	1.9	0.72	mg/kg	SW846 6010B
Barium	72.9	14.4	mg/kg	SW846 6010B
Chromium	10.9	0.72	mg/kg	SW846 6010B
Lead	2.3	0.22	mg/kg	SW846 6010B
RATTLESNAKE WASTE 03/25/04 14:30 019				
Gasoline Range Organics	120	100	ug/L	SW846 8015B
Ethylbenzene	12	1.0	ug/L	SW846 8021B
Toluene	24	1.0	ug/L	SW846 8021B
Xylenes (total)	4.3	3.0	ug/L	SW846 8021B
Chloride	1540	500	mg/L	MCAWW 300.0A
RATTLESNAKE WASTE 03/25/04 14:30 020				
Arsenic	3.7	0.98	mg/kg	SW846 6010B
Barium	1650	19.6	mg/kg	SW846 6010B
Chromium	9.0	0.98	mg/kg	SW846 6010B
Lead	3.2	0.29	mg/kg	SW846 6010B
APEX 1 WATER 03/25/04 11:40 021				
Gasoline Range Organics	670	100	ug/L	SW846 8015B
Benzene	68	1.0	ug/L	SW846 8021B
Toluene	56	1.0	ug/L	SW846 8021B
Xylenes (total)	68	3.0	ug/L	SW846 8021B
Chloride	172	50.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4C300228

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
APEX 2 WATER 03/25/04 11:40 022				
Gasoline Range Organics	2600	200	ug/L	SW846 8015B
Benzene	10	2.0	ug/L	SW846 8021B
Ethylbenzene	28	2.0	ug/L	SW846 8021B
Toluene	11	2.0	ug/L	SW846 8021B
Xylenes (total)	440	6.0	ug/L	SW846 8021B
Chloride	115	50.0	mg/L	MCAWW 300.0A
APEX SOIL 03/25/04 12:00 023				
Diesel Range Organics	38	15	mg/kg	SW846 8015B
Arsenic	1.2	0.74	mg/kg	SW846 6010B
Barium	94.2	14.8	mg/kg	SW846 6010B
Chromium	3.7	0.74	mg/kg	SW846 6010B
Lead	1.3	0.22	mg/kg	SW846 6010B
HOBBSGP-MWD 03/24/04 17:05 026				
Methane	1.9	0.50	ug/L	RSK SOP-175
Arsenic - DISSOLVED	0.021	0.010	mg/L	SW846 6010B
Barium - DISSOLVED	0.30	0.20	mg/L	SW846 6010B
Chromium - DISSOLVED	0.026	0.0050	mg/L	SW846 6010B
Lead - DISSOLVED	0.0044	0.0030	mg/L	SW846 6010B
Selenium - DISSOLVED	0.031	0.0050	mg/L	SW846 6010B
Nitrate-Nitrite	822	100	mg/L	MCAWW 353.2
Sulfate	64.3	20.0	mg/L	MCAWW 300.0A
Total Alkalinity	166	5.0	mg/L	MCAWW 310.1
HOBBSGP-MWC 03/24/04 18:10 027				
Gasoline Range Organics	120	100	ug/L	SW846 8015B
Benzene	3.1	1.0	ug/L	SW846 8021B
Toluene	3.5	1.0	ug/L	SW846 8021B
Xylenes (total)	14	3.0	ug/L	SW846 8021B
HOBBSGP-MWB 03/24/04 17:55 028				
Gasoline Range Organics	1700	200	ug/L	SW846 8015B
Methane	2.5	0.50	ug/L	RSK SOP-175
Benzene	47	2.0	ug/L	SW846 8021B
Ethylbenzene	22	2.0	ug/L	SW846 8021B
Toluene	220	2.0	ug/L	SW846 8021B
Xylenes (total)	230	6.0	ug/L	SW846 8021B
Nitrate-Nitrite	298	20.0	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4C300228

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HOBBSGP-MWB 03/24/04 17:55 028				
Sulfate	65.7	20.0	mg/L	MCAWW 300.0A
Total Alkalinity	212	5.0	mg/L	MCAWW 310.1
HOBBSGP-MWA 03/24/04 17:35 029				
Methane	1.6	0.50	ug/L	RSK SOP-175
Nitrate-Nitrite	22.2	5.0	mg/L	MCAWW 353.2
Sulfate	80.3	20.0	mg/L	MCAWW 300.0A
Total Alkalinity	165	5.0	mg/L	MCAWW 310.1
APEX-MW-7 03/26/04 07:55 030				
Gasoline Range Organics	830	100	ug/L	SW846 8015B
Methane	2300	25	ug/L	RSK SOP-175
Benzene	170	1.0	ug/L	SW846 8021B
Ethylbenzene	27	1.0	ug/L	SW846 8021B
Toluene	28	1.0	ug/L	SW846 8021B
Xylenes (total)	40	3.0	ug/L	SW846 8021B
Sulfate	539	20.0	mg/L	MCAWW 300.0A
Total Alkalinity	875	5.0	mg/L	MCAWW 310.1
HOBSB-I 0-1' 03/23/04 10:30 031				
Diesel Range Organics	18	15	mg/kg	SW846 8015B
Arsenic	6.1	0.78	mg/kg	SW846 6010B
Barium	142	15.6	mg/kg	SW846 6010B
Chromium	8.0	0.78	mg/kg	SW846 6010B
Lead	5.0	0.23	mg/kg	SW846 6010B
Selenium	0.47	0.39	mg/kg	SW846 6010B
HOBSB-J 0-1' 03/23/04 10:40 032				
Arsenic	6.1	0.81	mg/kg	SW846 6010B
Barium	173	16.2	mg/kg	SW846 6010B
Chromium	2.4	0.81	mg/kg	SW846 6010B
Lead	2.3	0.24	mg/kg	SW846 6010B
HOBSB-J 1-1.5' 03/23/04 10:40 033				
Arsenic	6.2	0.81	mg/kg	SW846 6010B
Barium	454	16.2	mg/kg	SW846 6010B
Chromium	1.4	0.81	mg/kg	SW846 6010B
Lead	0.41	0.24	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4C300228

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HOBSB-J 1.5-2' 03/23/04 10:40 034				
Arsenic	6.0	0.82	mg/kg	SW846 6010B
Barium	386	16.4	mg/kg	SW846 6010B
Chromium	1.6	0.82	mg/kg	SW846 6010B
Lead	0.81	0.25	mg/kg	SW846 6010B
HOBSB-K 0-1' 03/23/04 10:50 035				
Arsenic	6.6	0.83	mg/kg	SW846 6010B
Barium	277	16.6	mg/kg	SW846 6010B
Chromium	2.6	0.83	mg/kg	SW846 6010B
Lead	1.9	0.25	mg/kg	SW846 6010B
HOBSB-L 0-1' 03/23/04 11:00 036				
Arsenic	4.5	0.75	mg/kg	SW846 6010B
Barium	188	15.0	mg/kg	SW846 6010B
Chromium	3.5	0.75	mg/kg	SW846 6010B
Lead	2.0	0.22	mg/kg	SW846 6010B
HOBSB-L 1-1.5' 03/23/04 11:00 037				
Diesel Range Organics	22	15	mg/kg	SW846 8015B
Arsenic	3.2	0.74	mg/kg	SW846 6010B
Barium	102	14.8	mg/kg	SW846 6010B
Chromium	10.8	0.74	mg/kg	SW846 6010B
Lead	5.5	0.22	mg/kg	SW846 6010B
PCAMW-5 03/26/04 15:11 038				
Methane	1.6	0.50	ug/L	RSK SOP-175
Nitrate-Nitrite	16.9	2.0	mg/L	MCAWW 353.2
Sulfate	1550	100	mg/L	MCAWW 300.0A
Total Alkalinity	173	5.0	mg/L	MCAWW 310.1
PCAMW-4 03/26/04 15:51 039				
Methane	0.68	0.50	ug/L	RSK SOP-175
Nitrate-Nitrite	3.9	0.20	mg/L	MCAWW 353.2
Sulfate	1230	100	mg/L	MCAWW 300.0A
Total Alkalinity	249	5.0	mg/L	MCAWW 310.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4C300228

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PCAMW-2 03/26/04 15:01 040				
Methane	0.52	0.50	ug/L	RSK SOP-175
Nitrate-Nitrite	48.5	5.0	mg/L	MCAWW 353.2
Sulfate	1570	100	mg/L	MCAWW 300.0A
Total Alkalinity	216	5.0	mg/L	MCAWW 310.1
PCAMW-6 03/26/04 15:32 041				
Methane	0.64	0.50	ug/L	RSK SOP-175
Nitrate-Nitrite	5.8	1.0	mg/L	MCAWW 353.2
Sulfate	1300	100	mg/L	MCAWW 300.0A
Total Alkalinity	230	5.0	mg/L	MCAWW 310.1
PCAMW-3 03/26/04 14:51 042				
Nitrate-Nitrite	10.3	1.0	mg/L	MCAWW 353.2
Sulfate	1240	100	mg/L	MCAWW 300.0A
Total Alkalinity	305	5.0	mg/L	MCAWW 310.1
RAMMW-A 03/26/04 16:32 043				
Arsenic - DISSOLVED	0.021	0.010	mg/L	SW846 6010B
Chromium - DISSOLVED	0.0052	0.0050	mg/L	SW846 6010B
Lead - DISSOLVED	0.010	0.0030	mg/L	SW846 6010B
Selenium - DISSOLVED	0.031	0.0050	mg/L	SW846 6010B
Nitrate-Nitrite	10.2	1.0	mg/L	MCAWW 353.2
Sulfate	2280	100	mg/L	MCAWW 300.0A
RAMSEY MW-6 03/26/04 17:30 044				
Selenium - DISSOLVED	0.034	0.0050	mg/L	SW846 6010B
RAMMW-B 03/26/04 16:45 046				
Gasoline Range Organics	3400	500	ug/L	SW846 8015B
Benzene	400	5.0	ug/L	SW846 8021B
Ethylbenzene	67	5.0	ug/L	SW846 8021B
Xylenes (total)	150	15	ug/L	SW846 8021B
RAMMW-F 03/26/04 17:00 047				
Methane	3.6	0.50	ug/L	RSK SOP-175
Nitrate-Nitrite	30.1	2.0	mg/L	MCAWW 353.2
Sulfate	3370	100	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I4C300228

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
RAMMW-F 03/26/04 17:00 047				
Total Alkalinity	666	5.0	mg/L	MCAWW 310.1
ANTESWAB-2 03/23/04 08:49 049				
Aroclor 1260	51 COL	1.0	ug/wipe	SW846 8082

ANALYTICAL METHODS SUMMARY

I4C300228

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride	MCAWW 300.0A
Dissolved Gases in Water	RSK SOP-175
Extractable Petroleum Hydrocarbons	SW846 8015B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate-Nitrite	MCAWW 353.2
PCBs by SW-846 8082	SW846 8082
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 300.0A
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B
Volatile Petroleum Hydrocarbons	SW846 8015B
Volatiles by GC	SW846 8021B

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- RSK Sample Prep and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

I4C300228

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GC673	001	APMWAOB	03/25/04	09:50
GC68W	002	APEXRW-11	03/25/04	18:30
GC685	003	APMWAOC	03/25/04	09:30
GC687	004	APMWAOD	03/25/04	08:50
GC689	005	APEXRW-10	03/25/04	18:10
GC69C	006	APEXMW-6	03/25/04	08:20
GC69E	007	PCA WATER WASTE	03/21/04	16:30
GC69J	008	PCA SOIL WASTE	03/21/04	16:30
GC69N	009	RAM SOIL WASTE	03/26/04	17:27
GC69W	010	RAM WATER WASTE	03/26/04	17:27
GC695	011	HOB WATER WASTE	03/26/04	09:45
GC697	012	HOB SOIL WASTE	03/26/04	09:45
GC7AF	013	NEC SOIL WASTE	03/26/04	10:35
GC7AJ	014	NEC WATER WASTE	03/26/04	10:35
GC7AN	015	ANTE HYDROBLAST WATER	03/24/04	15:35
GC7C5	016	ANTE DILLING SOIL	03/25/04	15:10
GC7DH	017	STATELINE WATER WASTE	03/25/04	12:30
GC7DJ	018	STATELINE SOIL WASTE	03/25/04	12:30
GC7DL	019	RATTLESNAKE WASTE	03/25/04	14:30
GC7DV	020	RATTLESNAKE WASTE	03/25/04	14:30
GC7EG	021	APEX 1 WATER	03/25/04	11:40
GC7EM	022	APEX 2 WATER	03/25/04	11:40
GC7EP	023	APEX SOIL	03/25/04	12:00
GC7E3	024	HOBBSGP-MWE	03/24/04	16:25
GC7FX	025	HOBBSGP-MWF	03/24/04	18:20
GC7F0	026	HOBBSGP-MWD	03/24/04	17:05
GC7GJ	027	HOBBSGP-MWC	03/24/04	18:10
GC7GT	028	HOBBSGP-MWB	03/24/04	17:55
GC7HQ	029	HOBBSGP-MWA	03/24/04	17:35
GC7H7	030	APEX-MW-7	03/26/04	07:55
GC7JE	031	HOBSB-I 0-1'	03/23/04	10:30
GC7J0	032	HOBSB-J 0-1'	03/23/04	10:40
GC7J5	033	HOBSB-J 1-1.5'	03/23/04	10:40
GC7KA	034	HOBSB-J 1.5-2'	03/23/04	10:40
GC7KK	035	HOBSB-K 0-1'	03/23/04	10:50
GC7KP	036	HOBSB-L 0-1'	03/23/04	11:00

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SAMPLE SUMMARY**I4C300228**

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
GC7K1	037	HOBSB-L 1-1.5'	03/23/04	11:00
GC7LP	038	PCAMW-5	03/26/04	15:11
GC7MG	039	PCAMW-4	03/26/04	15:51
GC7MK	040	PCAMW-2	03/26/04	15:01
GC7MN	041	PCAMW-6	03/26/04	15:32
GC7NQ	042	PCAMW-3	03/26/04	14:51
GC7N0	043	RAMMW-A	03/26/04	16:32
GC7P0	044	RAMSEY MW-6	03/26/04	17:30
GC7QE	045	RAMMW-E	03/26/04	17:21
GC7QP	046	RAMMW-B	03/26/04	16:45
GC7QV	047	RAMMW-F	03/26/04	17:00
GC7Q0	048	ANTESWAB-1	03/23/04	08:49
GC7RC	049	ANTESWAB-2	03/23/04	08:49

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

I4C300228

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4097235	4097096
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 7470A		4092480	4092218
	WATER	SW846 6010B		4100141	4100025
	WATER	SW846 8021B		4097248	4097107
	WATER	MCAWW 310.1		4094125	4094018
002	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4093410	4093159
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 7470A		4092480	4092218
	WATER	SW846 6010B		4100141	4100025
	WATER	SW846 8021B		4093419	
	WATER	MCAWW 310.1		4094125	4094018
003	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4093410	4093159
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 7470A		4092480	4092218
	WATER	SW846 6010B		4100141	4100025
	WATER	SW846 8021B		4093419	
	WATER	MCAWW 310.1		4094125	4094018
004	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4097235	4097096
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 7470A		4092480	4092218
	WATER	SW846 6010B		4100141	4100025
	WATER	SW846 8021B		4097248	4097107
	WATER	MCAWW 310.1		4094125	4094018
005	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4093410	4093159
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 7470A		4092480	4092218
	WATER	SW846 6010B		4100141	4100025
	WATER	SW846 8021B		4093419	
	WATER	SW846 8021B		4093419	

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QC DATA ASSOCIATION SUMMARY

I4C300228

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
005	WATER	MCAWW 310.1		4094125	4094018
006	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4093410	4093159
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 7470A		4092480	4092218
	WATER	SW846 6010B		4100141	4100025
	WATER	SW846 8021B		4093419	
	WATER	MCAWW 310.1		4094125	4094018
007	WATER	MCAWW 300.0A		4099353	4099177
	WATER	SW846 8015B		4093410	4093159
	WATER	SW846 8021B		4093419	
008	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
009	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
010	WATER	MCAWW 300.0A		4099353	4099177
	WATER	SW846 8015B		4093410	4093159
	WATER	SW846 8021B		4097395	4097185
011	WATER	MCAWW 300.0A		4099353	4099177
	WATER	SW846 8015B		4093410	4093159
	WATER	SW846 8021B		4093419	
012	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
c 013	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092

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QC DATA ASSOCIATION SUMMARY

I4C300228

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
014	WATER	MCAWW 300.0A		4099353	4099177
	WATER	SW846 8015B		4093410	4093159
	WATER	SW846 8021B		4093419	
015	WATER	MCAWW 300.0A		4099353	4099177
	WATER	SW846 8015B		4093410	4093159
	WATER	SW846 8021B		4093419	
016	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
017	WATER	MCAWW 300.0A		4099353	4099177
	WATER	SW846 8015B		4093410	4093159
	WATER	SW846 8021B		4093419	
018	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
019	WATER	MCAWW 300.0A		4099353	4099177
	WATER	SW846 8015B		4093410	4093159
	WATER	SW846 8021B		4093419	
020	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
021	WATER	MCAWW 300.0A		4099353	4099177
	WATER	SW846 8015B		4093410	4093159
	WATER	SW846 8021B		4093419	
022	WATER	MCAWW 300.0A		4099353	4099177
	WATER	SW846 8015B		4097235	4097096
	WATER	SW846 8021B		4097248	4097107
023	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I4C300228

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
024	WATER	SW846 8015B		4093410	4093159
	WATER	SW846 8021B		4093419	
025	WATER	SW846 8260B		4097412	4105065
026	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4093410	4093159
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 7470A		4092480	4092218
	WATER	SW846 8270C		4091417	
	WATER	SW846 6010B		4100141	4100025
	WATER	SW846 8021B		4093419	
	WATER	MCAWW 310.1		4094125	4094018
027	WATER	SW846 8015B		4093410	4093159
	WATER	SW846 8021B		4093419	
028	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4097235	4097096
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 8021B		4097248	4097107
	WATER	MCAWW 310.1		4094125	4094018
029	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4093410	4093159
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 8021B		4093419	
	WATER	MCAWW 310.1		4094125	4094018
030	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4093410	4093159
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 8021B		4093419	
	WATER	MCAWW 310.1		4097275	4097120
031	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I4C300228

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
032	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
033	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
034	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
035	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
036	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
037	SOLID	SW846 8015B		4091424	4092050
	SOLID	SW846 7471A		4097173	4097046
	SOLID	SW846 6010B		4092199	4092080
	SOLID	SW846 8021B		4096214	4096092
038	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4097235	4097096
	WATER	RSK SOP-175		4097209	4097079
	WATER	SW846 8021B		4097248	4097107
	WATER	MCAWW 310.1		4097275	4097120
039	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4097235	4097096
	WATER	RSK SOP-175		4097270	4097115
	WATER	SW846 8021B		4097248	4097107
	WATER	MCAWW 310.1		4097275	4097120

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I4C300228

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
040	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4097235	4097096
	WATER	RSK SOP-175		4097270	4097115
	WATER	SW846 8021B		4097248	4097107
	WATER	MCAWW 310.1		4097275	4097120
041	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4097235	4097096
	WATER	RSK SOP-175		4097270	4097115
	WATER	SW846 8021B		4097248	4097107
	WATER	MCAWW 310.1		4097275	4097120
042	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4097235	4097096
	WATER	RSK SOP-175		4097270	4097115
	WATER	SW846 8021B		4097248	4097107
	WATER	MCAWW 310.1		4097275	4097120
043	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4097235	4097096
	WATER	SW846 7470A		4092480	4092218
	WATER	SW846 6010B		4100141	4100025
	WATER	SW846 8021B		4097248	4097107
	WATER	MCAWW 310.1		4097275	4097120
044	WATER	SW846 8015B		4097235	4097096
	WATER	SW846 7470A		4092480	4092218
	WATER	SW846 6010B		4100141	4100025
	WATER	SW846 8021B		4097248	4097107
045	WATER	SW846 8015B		4097235	4097096
	WATER	SW846 8021B		4097248	4097107
046	WATER	SW846 8015B		4097235	4097096
	WATER	SW846 8021B		4097248	4097107
047	WATER	MCAWW 353.2		4099278	4099133
	WATER	MCAWW 300.0A		4098195	4098093
	WATER	SW846 8015B		4097235	4097096

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I4C300228

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
047	WATER	RSK SOP-175		4097270	4097115
	WATER	SW846 8021B		4097248	4097107
	WATER	MCAWW 310.1		4097275	4097120
048	WIPE	SW846 8082		4092416	
049	WIPE	SW846 8082		4092416	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOB

GC Volatiles

Lot-Sample #....: I4C300228-001 Work Order #....: GC6731AP Matrix.....: WATER
Date Sampled...: 03/25/04 09:50 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 14:28
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	54	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOB

GC Volatiles

Lot-Sample #....: I4C300228-001 Work Order #....: GC6731AC Matrix.....: WATER
Date Sampled....: 03/25/04 09:50 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 14:25
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	300	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOB

GC Volatiles

Lot-Sample #....: I4C300228-001 Work Order #....: GC6731AA Matrix.....: WATER
Date Sampled....: 03/25/04 09:50 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 14:25
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	36	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	6.3	1.0	ug/L
Xylenes (total)	28	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOB

TOTAL Metals

Lot-Sample #...: I4C300228-001

Date Sampled...: 03/25/04 09:50 Date Received...: 03/30/04

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GC6731AL
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4092218	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOB

DISSOLVED Metals

Lot-Sample #....: I4C300228-001

Matrix.....: WATER

Date Sampled....: 03/25/04 09:50 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4100141						
Silver	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC6731C1
		Dilution Factor: 1		Analysis Time...: 10:45	MS Run #.....: 4100025	
Arsenic	0.016	0.010	mg/L	SW846 6010B	04/09/04	GC6731C2
		Dilution Factor: 1		Analysis Time...: 10:45	MS Run #.....: 4100025	
Barium	0.29	0.20	mg/L	SW846 6010B	04/09/04	GC6731C3
		Dilution Factor: 1		Analysis Time...: 10:45	MS Run #.....: 4100025	
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/09/04	GC6731C4
		Dilution Factor: 1		Analysis Time...: 10:45	MS Run #.....: 4100025	
Chromium	0.0053	0.0050	mg/L	SW846 6010B	04/09/04	GC6731C5
		Dilution Factor: 1		Analysis Time...: 10:45	MS Run #.....: 4100025	
Lead	ND	0.0030	mg/L	SW846 6010B	04/09/04	GC6731C6
		Dilution Factor: 1		Analysis Time...: 10:45	MS Run #.....: 4100025	
Selenium	0.014	0.0050	mg/L	SW846 6010B	04/09/04	GC6731C7
		Dilution Factor: 1		Analysis Time...: 10:45	MS Run #.....: 4100025	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOB

General Chemistry

Lot-Sample #...: I4C300228-001 Work Order #...: GC673

Matrix.....: WATER

Date Sampled...: 03/25/04 09:50 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	0.97	0.10	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 1		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	81.9	20.0	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 20		Analysis Time...: 09:19	MS Run #.....: 4098093	
Total Alkalinity	268	5.0	mg/L	MCAWW 310.1	04/02/04	4094125
		Dilution Factor: 1		Analysis Time...: 14:00	MS Run #.....: 4094018	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-11

GC Volatiles

Lot-Sample #...: I4C300228-002 Work Order #...: GC68W1AP Matrix.....: WATER
Date Sampled...: 03/25/04 18:30 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #...: 4097209 Analysis Time...: 14:33
Dilution Factor: 1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	0.69	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-11

GC Volatiles

Lot-Sample #...: I4C300228-002 Work Order #...: GC68W1AC Matrix.....: WATER
Date Sampled...: 03/25/04 18:30 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #...: 4093410 Analysis Time...: 17:16
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-11

GC Volatiles

Lot-Sample #....: I4C300228-002 Work Order #....: GC68W1AA Matrix.....: WATER
Date Sampled....: 03/25/04 18:30 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093419 Analysis Time...: 17:16
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-11

TOTAL Metals

Lot-Sample #....: I4C300228-002

Matrix.....: WATER

Date Sampled....: 03/25/04 18:30 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GC68W1AL
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4092218	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-11

DISSOLVED Metals

Lot-Sample #....: I4C300228-002

Matrix.....: WATER

Date Sampled....: 03/25/04 18:30 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4100141						
Silver	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC68W1AX
		Dilution Factor: 1		Analysis Time...: 10:51	MS Run #.....: 4100025	
Arsenic	0.026	0.010	mg/L	SW846 6010B	04/09/04	GC68W1A0
		Dilution Factor: 1		Analysis Time...: 10:51	MS Run #.....: 4100025	
Barium	0.21	0.20	mg/L	SW846 6010B	04/09/04	GC68W1A1
		Dilution Factor: 1		Analysis Time...: 10:51	MS Run #.....: 4100025	
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/09/04	GC68W1A2
		Dilution Factor: 1		Analysis Time...: 10:51	MS Run #.....: 4100025	
Chromium	0.0065	0.0050	mg/L	SW846 6010B	04/09/04	GC68W1A3
		Dilution Factor: 1		Analysis Time...: 10:51	MS Run #.....: 4100025	
Lead	0.0082	0.0030	mg/L	SW846 6010B	04/09/04	GC68W1A4
		Dilution Factor: 1		Analysis Time...: 10:51	MS Run #.....: 4100025	
Selenium	0.036	0.0050	mg/L	SW846 6010B	04/09/04	GC68W1A5
		Dilution Factor: 1		Analysis Time...: 10:51	MS Run #.....: 4100025	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-11

General Chemistry

Lot-Sample #....: I4C300228-002 Work Order #....: GC68W

Matrix.....: WATER

Date Sampled....: 03/25/04 18:30 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	14.9	2.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 20		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	87.4	20.0	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 20		Analysis Time...: 09:59	MS Run #.....: 4098093	
Total Alkalinity	258	5.0	mg/L	MCAWW 310.1	04/02/04	4094125
		Dilution Factor: 1		Analysis Time...: 14:00	MS Run #.....: 4094018	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOC

GC Volatiles

Lot-Sample #....: I4C300228-003 Work Order #....: GC6851AP Matrix.....: WATER
Date Sampled....: 03/25/04 09:30 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 14:39
Dilution Factor: 1 Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	0.84	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOC

GC Volatiles

Lot-Sample #....: I4C300228-003 Work Order #....: GC6851AC Matrix.....: WATER
Date Sampled....: 03/25/04 09:30 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 17:47
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	99	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOC

GC Volatiles

Lot-Sample #....: I4C300228-003 Work Order #....: GC6851AA Matrix.....: WATER
Date Sampled....: 03/25/04 09:30 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093419 Analysis Time...: 17:47
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	94	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOC

TOTAL Metals

Lot-Sample #...: I4C300228-003

Matrix.....: WATER

Date Sampled...: 03/25/04 09:30 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GC6851AL
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4092218	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOC

DISSOLVED Metals

Lot-Sample #....: I4C300228-003

Matrix.....: WATER

Date Sampled...: 03/25/04 09:30 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4100141						
Silver	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC6851AT
		Dilution Factor: 1		Analysis Time...: 10:56	MS Run #.....: 4100025	
Arsenic	0.018	0.010	mg/L	SW846 6010B	04/09/04	GC6851AU
		Dilution Factor: 1		Analysis Time...: 10:56	MS Run #.....: 4100025	
Barium	ND	0.20	mg/L	SW846 6010B	04/09/04	GC6851AV
		Dilution Factor: 1		Analysis Time...: 10:56	MS Run #.....: 4100025	
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/09/04	GC6851AW
		Dilution Factor: 1		Analysis Time...: 10:56	MS Run #.....: 4100025	
Chromium	0.0063	0.0050	mg/L	SW846 6010B	04/09/04	GC6851AX
		Dilution Factor: 1		Analysis Time...: 10:56	MS Run #.....: 4100025	
Lead	ND	0.0030	mg/L	SW846 6010B	04/09/04	GC6851A0
		Dilution Factor: 1		Analysis Time...: 10:56	MS Run #.....: 4100025	
Selenium	0.022	0.0050	mg/L	SW846 6010B	04/09/04	GC6851A1
		Dilution Factor: 1		Analysis Time...: 10:56	MS Run #.....: 4100025	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOC

General Chemistry

Lot-Sample #....: I4C300228-003 Work Order #....: GC685 Matrix.....: WATER
Date Sampled....: 03/25/04 09:30 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	3.5	1.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 10		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	54.9	20.0	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 20		Analysis Time...: 10:13	MS Run #.....: 4098093	
Total Alkalinity	191	5.0	mg/L	MCAWW 310.1	04/02/04	4094125
		Dilution Factor: 1		Analysis Time...: 14:00	MS Run #.....: 4094018	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOD

GC Volatiles

Lot-Sample #....: I4C300228-004 Work Order #....: GC6871AP Matrix.....: WATER
Date Sampled....: 03/25/04 08:50 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 15:01
Dilution Factor: 3

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	160	1.5	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOD

GC Volatiles

Lot-Sample #....: I4C300228-004 Work Order #....: GC6871AC Matrix.....: WATER
Date Sampled....: 03/25/04 08:50 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 22:20
Dilution Factor: 10
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	8700	1000	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	98	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOD

GC Volatiles

Lot-Sample #....: I4C300228-004 Work Order #....: GC6871AA Matrix.....: WATER
Date Sampled....: 03/25/04 08:50 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 22:20
Dilution Factor: 10

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	600	10	ug/L
Ethylbenzene	250	10	ug/L
Toluene	880	10	ug/L
Xylenes (total)	1700	30	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	113	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOD

TOTAL Metals

Lot-Sample #...: I4C300228-004

Matrix.....: WATER

Date Sampled...: 03/25/04 08:50 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GC6871AL
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4092218	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOD

DISSOLVED Metals

Lot-Sample #....: I4C300228-004

Matrix.....: WATER

Date Sampled....: 03/25/04 08:50 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4100141						
Silver	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC6871AT
		Dilution Factor: 1		Analysis Time...: 11:13	MS Run #.....: 4100025	
Arsenic	0.046	0.010	mg/L	SW846 6010B	04/09/04	GC6871AU
		Dilution Factor: 1		Analysis Time...: 11:13	MS Run #.....: 4100025	
Barium	1.3	0.20	mg/L	SW846 6010B	04/09/04	GC6871AV
		Dilution Factor: 1		Analysis Time...: 11:13	MS Run #.....: 4100025	
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/09/04	GC6871AW
		Dilution Factor: 1		Analysis Time...: 11:13	MS Run #.....: 4100025	
Chromium	0.0053	0.0050	mg/L	SW846 6010B	04/09/04	GC6871AX
		Dilution Factor: 1		Analysis Time...: 11:13	MS Run #.....: 4100025	
Lead	0.0032	0.0030	mg/L	SW846 6010B	04/09/04	GC6871A0
		Dilution Factor: 1		Analysis Time...: 11:13	MS Run #.....: 4100025	
Selenium	0.027	0.0050	mg/L	SW846 6010B	04/09/04	GC6871A1
		Dilution Factor: 1		Analysis Time...: 11:13	MS Run #.....: 4100025	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APMWAOD

General Chemistry

Lot-Sample #....: I4C300228-004 Work Order #....: GC687
Date Sampled....: 03/25/04 08:50 Date Received...: 03/30/04

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	397	20.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 200		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	23.3	20.0	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 20		Analysis Time...: 10:26	MS Run #.....: 4098093	
Total Alkalinity	465	5.0	mg/L	MCAWW 310.1	04/02/04	4094125
		Dilution Factor: 1		Analysis Time...: 14:00	MS Run #.....: 4094018	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-10

GC Volatiles

Lot-Sample #....: I4C300228-005 Work Order #....: GC6891AP Matrix.....: WATER
Date Sampled...: 03/25/04 18:10 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 15:07
Dilution Factor: 1 Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	1.2	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-10

GC Volatiles

Lot-Sample #....: I4C300228-005 Work Order #....: GC6891AC Matrix.....: WATER
Date Sampled....: 03/25/04 18:10 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 18:17
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	98	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-10

GC Volatiles

Lot-Sample #....: I4C300228-005 Work Order #....: GC6891AA Matrix.....: WATER
Date Sampled....: 03/25/04 18:10 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093419 Analysis Time...: 18:17
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	2.3	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	100	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-10

TOTAL Metals

Lot-Sample #...: I4C300228-005

Matrix.....: WATER

Date Sampled...: 03/25/04 18:10 Date Received...: 03/30/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GC6891AL
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4092218	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-10

DISSOLVED Metals

Lot-Sample #....: I4C300228-005

Matrix.....: WATER

Date Sampled....: 03/25/04 18:10 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4100141						
Silver	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC6891AT
		Dilution Factor: 1		Analysis Time...: 11:18	MS Run #.....: 4100025	
Arsenic	0.030	0.010	mg/L	SW846 6010B	04/09/04	GC6891AU
		Dilution Factor: 1		Analysis Time...: 11:18	MS Run #.....: 4100025	
Barium	ND	0.20	mg/L	SW846 6010B	04/09/04	GC6891AV
		Dilution Factor: 1		Analysis Time...: 11:18	MS Run #.....: 4100025	
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/09/04	GC6891AW
		Dilution Factor: 1		Analysis Time...: 11:18	MS Run #.....: 4100025	
Chromium	0.016	0.0050	mg/L	SW846 6010B	04/09/04	GC6891AX
		Dilution Factor: 1		Analysis Time...: 11:18	MS Run #.....: 4100025	
Lead	0.0072	0.0030	mg/L	SW846 6010B	04/09/04	GC6891A0
		Dilution Factor: 1		Analysis Time...: 11:18	MS Run #.....: 4100025	
Selenium	0.042	0.0050	mg/L	SW846 6010B	04/09/04	GC6891A1
		Dilution Factor: 1		Analysis Time...: 11:18	MS Run #.....: 4100025	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXRW-10

General Chemistry

Lot-Sample #...: I4C300228-005 Work Order #...: GC689 Matrix.....: WATER
Date Sampled...: 03/25/04 18:10 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	16.6	2.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 20		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	246	20.0	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 20		Analysis Time...: 10:39	MS Run #.....: 4098093	
Total Alkalinity	232	5.0	mg/L	MCAWW 310.1	04/02/04	4094125
		Dilution Factor: 1		Analysis Time...: 14:00	MS Run #.....: 4094018	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXMW-6

GC Volatiles

Lot-Sample #....: I4C300228-006 Work Order #....: GC69C1AP Matrix.....: WATER
Date Sampled...: 03/25/04 08:20 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 15:12
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	0.51	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXMW-6

GC Volatiles

Lot-Sample #....: I4C300228-006 Work Order #....: GC69C1AC Matrix.....: WATER
Date Sampled....: 03/25/04 08:20 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 18:46
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXMW-6

GC Volatiles

Lot-Sample #....: I4C300228-006 Work Order #....: GC69C1AA Matrix.....: WATER
Date Sampled....: 03/25/04 08:20 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093419 Analysis Time...: 18:46
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXMW-6

TOTAL Metals

Lot-Sample #...: I4C300228-006

Matrix.....: WATER

Date Sampled...: 03/25/04 08:20 Date Received...: 03/30/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GC69C1AL
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4092218	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXMW-6

DISSOLVED Metals

Lot-Sample #....: I4C300228-006

Matrix.....: WATER

Date Sampled....: 03/25/04 08:20 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4100141						
Silver	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC69C1AT
		Dilution Factor: 1		Analysis Time...: 11:24	MS Run #.....: 4100025	
Arsenic	0.025	0.010	mg/L	SW846 6010B	04/09/04	GC69C1AU
		Dilution Factor: 1		Analysis Time...: 11:24	MS Run #.....: 4100025	
Barium	ND	0.20	mg/L	SW846 6010B	04/09/04	GC69C1AV
		Dilution Factor: 1		Analysis Time...: 11:24	MS Run #.....: 4100025	
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/09/04	GC69C1AW
		Dilution Factor: 1		Analysis Time...: 11:24	MS Run #.....: 4100025	
Chromium	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC69C1AX
		Dilution Factor: 1		Analysis Time...: 11:24	MS Run #.....: 4100025	
Lead	ND	0.0030	mg/L	SW846 6010B	04/09/04	GC69C1A0
		Dilution Factor: 1		Analysis Time...: 11:24	MS Run #.....: 4100025	
Selenium	0.017	0.0050	mg/L	SW846 6010B	04/09/04	GC69C1A1
		Dilution Factor: 1		Analysis Time...: 11:24	MS Run #.....: 4100025	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXMW-6

General Chemistry

Lot-Sample #....: I4C300228-006 Work Order #....: GC69C
Date Sampled....: 03/25/04 08:20 Date Received...: 03/30/04

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	837	100	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 1000		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	65.0	20.0	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 20		Analysis Time...: 10:53	MS Run #.....: 4098093	
Total Alkalinity	273	5.0	mg/L	MCAWW 310.1	04/02/04	4094125
		Dilution Factor: 1		Analysis Time...: 14:00	MS Run #.....: 4094018	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCA WATER WASTE

GC Volatiles

Lot-Sample #....: I4C300228-007 Work Order #....: GC69E1AD Matrix.....: WATER
Date Sampled...: 03/21/04 16:30 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 19:16
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCA WATER WASTE

GC Volatiles

Lot-Sample #....: I4C300228-007 Work Order #....: GC69E1AA Matrix.....: WATER
Date Sampled....: 03/21/04 16:30 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093419 Analysis Time...: 19:16
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	1.9	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	101	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCA WATER WASTE

General Chemistry

Lot-Sample #....: I4C300228-007 Work Order #....: GC69E Matrix.....: WATER
Date Sampled....: 03/21/04 16:30 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	2000	1000	mg/L	MCAWW 300.0A	04/07/04	4099353
		Dilution Factor: 1000		Analysis Time...: 13:23	MS Run #.....: 4099177	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCA SOIL WASTE

GC Volatiles

Lot-Sample #....: I4C300228-008 Work Order #....: GC69J1AC Matrix.....: SOLID
Date Sampled....: 03/21/04 16:30 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 14:41
Dilution Factor: 0.98
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	4.9	ug/kg
Ethylbenzene	ND	4.9	ug/kg
Toluene	ND	4.9	ug/kg
Xylenes (total)	ND	4.9	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	91	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	96	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCA SOIL WASTE

GC Semivolatiles

Lot-Sample #....: I4C300228-008 Work Order #....: GC69J1AL Matrix.....: SOLID
Date Sampled....: 03/21/04 16:30 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 11:10
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	160	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	37 *	(39 - 139)
Dotriacontane	20	(13 - 161)

NOTE(S) :

* Surrogate recovery is outside stated control limits.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCA SOIL WASTE

TOTAL Metals

Lot-Sample #....: I4C300228-008

Matrix.....: SOLID

Date Sampled....: 03/21/04 16:30 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092199						
Silver	ND	0.99	mg/kg	SW846 6010B	03/31-04/01/04	GC69J1AJ
		Dilution Factor: 0.99		Analysis Time...: 16:04	MS Run #.....: 4092080	
Arsenic	2.0	0.99	mg/kg	SW846 6010B	03/31-04/01/04	GC69J1AD
		Dilution Factor: 0.99		Analysis Time...: 16:04	MS Run #.....: 4092080	
Barium	163	19.8	mg/kg	SW846 6010B	03/31-04/01/04	GC69J1AB
		Dilution Factor: 0.99		Analysis Time...: 16:04	MS Run #.....: 4092080	
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/31-04/01/04	GC69J1AF
		Dilution Factor: 0.99		Analysis Time...: 16:04	MS Run #.....: 4092080	
Chromium	4.8	0.99	mg/kg	SW846 6010B	03/31-04/01/04	GC69J1AK
		Dilution Factor: 0.99		Analysis Time...: 16:04	MS Run #.....: 4092080	
Lead	2.5	0.30	mg/kg	SW846 6010B	03/31-04/01/04	GC69J1AG
		Dilution Factor: 0.99		Analysis Time...: 16:04	MS Run #.....: 4092080	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/31-04/01/04	GC69J1AH
		Dilution Factor: 0.99		Analysis Time...: 16:04	MS Run #.....: 4092080	
Prep Batch #....: 4097173						
Mercury	ND	0.096	mg/kg	SW846 7471A	04/06-04/07/04	GC69J1AA
		Dilution Factor: 0.96		Analysis Time...: 15:34	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAM SOIL WASTE

GC Volatiles

Lot-Sample #....: I4C300228-009 Work Order #....: GC69N1AC Matrix.....: SOLID
Date Sampled....: 03/26/04 17:27 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 15:09
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Bromofluorobenzene	91	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	101	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAM SOIL WASTE

GC Semivolatiles

Lot-Sample #....: I4C300228-009 Work Order #....: GC69N1AL Matrix.....: SOLID
Date Sampled....: 03/26/04 17:27 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/07/04
Prep Batch #....: 4091424 Analysis Time...: 23:03
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	92	(39 - 139)
Dotriacontane	81	(13 - 161)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAM SOIL WASTE

TOTAL Metals

Lot-Sample #...: I4C300228-009

Matrix.....: SOLID

Date Sampled...: 03/26/04 17:27 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092199						
Silver	ND	0.92	mg/kg	SW846 6010B	03/31-04/01/04	GC69N1AJ
		Dilution Factor: 0.92		Analysis Time...: 16:10	MS Run #.....: 4092080	
Arsenic	3.1	0.92	mg/kg	SW846 6010B	03/31-04/01/04	GC69N1AD
		Dilution Factor: 0.92		Analysis Time...: 16:10	MS Run #.....: 4092080	
Barium	86.8	18.4	mg/kg	SW846 6010B	03/31-04/01/04	GC69N1AB
		Dilution Factor: 0.92		Analysis Time...: 16:10	MS Run #.....: 4092080	
Cadmium	ND	0.46	mg/kg	SW846 6010B	03/31-04/01/04	GC69N1AF
		Dilution Factor: 0.92		Analysis Time...: 16:10	MS Run #.....: 4092080	
Chromium	12.5	0.92	mg/kg	SW846 6010B	03/31-04/01/04	GC69N1AK
		Dilution Factor: 0.92		Analysis Time...: 16:10	MS Run #.....: 4092080	
Lead	4.5	0.28	mg/kg	SW846 6010B	03/31-04/01/04	GC69N1AG
		Dilution Factor: 0.92		Analysis Time...: 16:10	MS Run #.....: 4092080	
Selenium	ND	0.46	mg/kg	SW846 6010B	03/31-04/01/04	GC69N1AH
		Dilution Factor: 0.92		Analysis Time...: 16:10	MS Run #.....: 4092080	
Prep Batch #...: 4097173						
Mercury	ND	0.095	mg/kg	SW846 7471A	04/06-04/07/04	GC69N1AA
		Dilution Factor: 0.95		Analysis Time...: 15:39	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAM WATER WASTE

GC Volatiles

Lot-Sample #....: I4C300228-010 Work Order #....: GC69W1AD Matrix.....: WATER
Date Sampled....: 03/26/04 17:27 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 19:45
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	110	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	102	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAM WATER WASTE

GC Volatiles

Lot-Sample #....: I4C300228-010 Work Order #....: GC69W2AA Matrix.....: WATER
Date Sampled....: 03/26/04 17:27 Date Received...: 03/30/04 MS Run #.....: 4097185
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097395 Analysis Time...: 18:05
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	5.6	1.0	ug/L
Ethylbenzene	1.1	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	4.7	3.0	ug/L

SURROGATE	PERCENT	
	RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	98	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAM WATER WASTE

General Chemistry

Lot-Sample #....: I4C300228-010 Work Order #....: GC69W Matrix.....: WATER
Date Sampled....: 03/26/04 17:27 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	241	100	mg/L	MCAWW 300.0A	04/07/04	4099353
		Dilution Factor: 100		Analysis Time...: 10:29	MS Run #.....: 4099177	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOB WATER WASTE

GC Volatiles

Lot-Sample #....: I4C300228-011 Work Order #....: GC6951AD Matrix.....: WATER
Date Sampled....: 03/26/04 09:45 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 20:15
Dilution Factor: 1

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	99	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOB WATER WASTE

GC Volatiles

Lot-Sample #....: I4C300228-011 Work Order #....: GC6951AA Matrix.....: WATER
Date Sampled....: 03/26/04 09:45 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093419 Analysis Time...: 20:15
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	101	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	96	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOB WATER WASTE

General Chemistry

Lot-Sample #...: I4C300228-011 Work Order #...: GC695 Matrix.....: WATER
Date Sampled...: 03/26/04 09:45 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	25.8	20.0	mg/L	MCAWW 300.0A	04/07/04	4099353
		Dilution Factor: 20		Analysis Time...: 13:36	MS Run #.....: 4099177	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOB SOIL WASTE

GC Volatiles

Lot-Sample #....: I4C300228-012 Work Order #....: GC6971AC Matrix.....: SOLID
Date Sampled....: 03/26/04 09:45 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 15:37
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	64	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	90	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOB SOIL WASTE

GC Semivolatiles

Lot-Sample #....: I4C300228-012 Work Order #....: GC6971AL Matrix.....: SOLID
Date Sampled....: 03/26/04 09:45 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 00:16
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	130	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	71	(39 - 139)
Dotriacontane	210 *	(13 - 161)

NOTE(S) :

* Surrogate recovery is outside stated control limits.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOB SOIL WASTE

TOTAL Metals

Lot-Sample #....: I4C300228-012

Matrix.....: SOLID

Date Sampled....: 03/26/04 09:45 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092199						
Silver	ND	0.95	mg/kg	SW846 6010B	03/31-04/01/04	GC6971AJ
		Dilution Factor: 0.95		Analysis Time...: 16:15	MS Run #.....: 4092080	
Arsenic	3.4	0.95	mg/kg	SW846 6010B	03/31-04/01/04	GC6971AD
		Dilution Factor: 0.95		Analysis Time...: 16:15	MS Run #.....: 4092080	
Barium	172	19.0	mg/kg	SW846 6010B	03/31-04/01/04	GC6971AB
		Dilution Factor: 0.95		Analysis Time...: 16:15	MS Run #.....: 4092080	
Cadmium	ND	0.48	mg/kg	SW846 6010B	03/31-04/01/04	GC6971AF
		Dilution Factor: 0.95		Analysis Time...: 16:15	MS Run #.....: 4092080	
Chromium	7.4	0.95	mg/kg	SW846 6010B	03/31-04/01/04	GC6971AK
		Dilution Factor: 0.95		Analysis Time...: 16:15	MS Run #.....: 4092080	
Lead	6.7	0.28	mg/kg	SW846 6010B	03/31-04/01/04	GC6971AG
		Dilution Factor: 0.95		Analysis Time...: 16:15	MS Run #.....: 4092080	
Selenium	ND	0.48	mg/kg	SW846 6010B	03/31-04/01/04	GC6971AH
		Dilution Factor: 0.95		Analysis Time...: 16:15	MS Run #.....: 4092080	
Prep Batch #....: 4097173						
Mercury	ND	0.071	mg/kg	SW846 7471A	04/06-04/07/04	GC6971AA
		Dilution Factor: 0.71		Analysis Time...: 15:41	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: NEC SOIL WASTE

GC Volatiles

Lot-Sample #....: I4C300228-013 Work Order #....: GC7AF1AC Matrix.....: SOLID
Date Sampled....: 03/26/04 10:35 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 16:05
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY
		LIMITS
Bromofluorobenzene	93	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	103	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: NBC SOIL WASTE

GC Semivolatiles

Lot-Sample #....: I4C300228-013 Work Order #....: GC7AF1AL Matrix.....: SOLID
Date Sampled....: 03/26/04 10:35 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 00:52
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	84	(39 - 139)
Dotriacontane	88	(13 - 161)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: NEC SOIL WASTE

TOTAL Metals

Lot-Sample #....: I4C300228-013

Matrix.....: SOLID

Date Sampled....: 03/26/04 10:35 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092199						
Silver	ND	0.87	mg/kg	SW846 6010B	03/31-04/01/04	GC7AF1AJ
		Dilution Factor: 0.87		Analysis Time...: 16:21	MS Run #.....: 4092080	
Arsenic	1.3	0.87	mg/kg	SW846 6010B	03/31-04/01/04	GC7AF1AD
		Dilution Factor: 0.87		Analysis Time...: 16:21	MS Run #.....: 4092080	
Barium	62.1	17.4	mg/kg	SW846 6010B	03/31-04/01/04	GC7AF1AE
		Dilution Factor: 0.87		Analysis Time...: 16:21	MS Run #.....: 4092080	
Cadmium	ND	0.44	mg/kg	SW846 6010B	03/31-04/01/04	GC7AF1AF
		Dilution Factor: 0.87		Analysis Time...: 16:21	MS Run #.....: 4092080	
Chromium	7.5	0.87	mg/kg	SW846 6010B	03/31-04/01/04	GC7AF1AK
		Dilution Factor: 0.87		Analysis Time...: 16:21	MS Run #.....: 4092080	
Lead	2.8	0.26	mg/kg	SW846 6010B	03/31-04/01/04	GC7AF1AG
		Dilution Factor: 0.87		Analysis Time...: 16:21	MS Run #.....: 4092080	
Selenium	ND	0.44	mg/kg	SW846 6010B	03/31-04/01/04	GC7AF1AH
		Dilution Factor: 0.87		Analysis Time...: 16:21	MS Run #.....: 4092080	
Prep Batch #....: 4097173						
Mercury	ND	0.095	mg/kg	SW846 7471A	04/06-04/07/04	GC7AF1AA
		Dilution Factor: 0.95		Analysis Time...: 15:42	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: NEC WATER WASTE

GC Volatiles

Lot-Sample #....: I4C300228-014 Work Order #....: GC7AJ1AD Matrix.....: WATER
Date Sampled....: 03/26/04 10:35 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 20:44
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	89	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: NEC WATER WASTE

GC Volatiles

Lot-Sample #....: I4C300228-014 Work Order #....: GC7AJ1AA Matrix.....: WATER
Date Sampled....: 03/26/04 10:35 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093419 Analysis Time...: 20:44
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	97	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: NEC WATER WASTE

General Chemistry

Lot-Sample #....: I4C300228-014 Work Order #....: GC7AJ
Date Sampled....: 03/26/04 10:35 Date Received...: 03/30/04

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	41.4	20.0	mg/L	MCAWW 300.0A	04/07/04	4099353

Dilution Factor: 20 Analysis Time...: 13:50 MS Run #.....: 4099177

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: ANTE HYDROBLAST WATER

GC Volatiles

Lot-Sample #....: I4C300228-015 Work Order #....: GC7AN1AD Matrix.....: WATER
Date Sampled...: 03/24/04 15:35 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 21:14
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	94	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: ANTE HYDROBLAST WATER

GC Volatiles

Lot-Sample #....: I4C300228-015 Work Order #....: GC7AN1AA Matrix.....: WATER
Date Sampled....: 03/24/04 15:35 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093419 Analysis Time...: 21:14
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	22	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: ANTE HYDROBLAST WATER

General Chemistry

Lot-Sample #....: I4C300228-015 Work Order #....: GC7AN Matrix.....: WATER
Date Sampled....: 03/24/04 15:35 Date Received...: 03/30/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	54.4	20.0	mg/L	MCAWW 300.0A	04/07/04	4099353
		Dilution Factor: 20		Analysis Time...: 15:53	MS Run #.....: 4099177	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: ANTE DILLING SOIL

GC Volatiles

Lot-Sample #....: I4C300228-016 Work Order #....: GC7C51AC Matrix.....: SOLID
Date Sampled....: 03/25/04 15:10 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 17:43
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	93	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	101	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: ANTE DILLING SOIL

GC Semivolatiles

Lot-Sample #....: I4C300228-016 Work Order #....: GC7C51AL Matrix.....: SOLID
Date Sampled....: 03/25/04 15:10 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 02:41
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	78	(39 - 139)
Dotriacontane	88	(13 - 161)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: ANTE DILLING SOIL

TOTAL Metals

Lot-Sample #....: I4C300228-016

Matrix.....: SOLID

Date Sampled....: 03/25/04 15:10 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092199						
Silver	ND	0.89	mg/kg	SW846 6010B	03/31-04/01/04	GC7C51AJ
		Dilution Factor: 0.89		Analysis Time...: 16:26	MS Run #.....: 4092080	
Arsenic	1.0	0.89	mg/kg	SW846 6010B	03/31-04/01/04	GC7C51AD
		Dilution Factor: 0.89		Analysis Time...: 16:26	MS Run #.....: 4092080	
Barium	38.1	17.8	mg/kg	SW846 6010B	03/31-04/01/04	GC7C51AB
		Dilution Factor: 0.89		Analysis Time...: 16:26	MS Run #.....: 4092080	
Cadmium	ND	0.44	mg/kg	SW846 6010B	03/31-04/01/04	GC7C51AF
		Dilution Factor: 0.89		Analysis Time...: 16:26	MS Run #.....: 4092080	
Chromium	2.9	0.89	mg/kg	SW846 6010B	03/31-04/01/04	GC7C51AK
		Dilution Factor: 0.89		Analysis Time...: 16:26	MS Run #.....: 4092080	
Lead	1.8	0.27	mg/kg	SW846 6010B	03/31-04/01/04	GC7C51AG
		Dilution Factor: 0.89		Analysis Time...: 16:26	MS Run #.....: 4092080	
Selenium	ND	0.44	mg/kg	SW846 6010B	03/31-04/01/04	GC7C51AH
		Dilution Factor: 0.89		Analysis Time...: 16:26	MS Run #.....: 4092080	
Prep Batch #....: 4097173						
Mercury	ND	0.068	mg/kg	SW846 7471A	04/06-04/07/04	GC7C51AA
		Dilution Factor: 0.68		Analysis Time...: 15:46	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: STATELINE WATER WASTE

GC Volatiles

Lot-Sample #....: I4C300228-017 Work Order #....: GC7DH1AD Matrix.....: WATER
Date Sampled....: 03/25/04 12:30 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 21:44
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	91	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: STATELINE WATER WASTE

GC Volatiles

Lot-Sample #....: I4C300228-017 Work Order #....: GC7DH1AA Matrix.....: WATER
Date Sampled....: 03/25/04 12:30 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093419 Analysis Time...: 21:44
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: STATELINE WATER WASTE

General Chemistry

Lot-Sample #...: I4C300228-017 Work Order #...: GC7DH Matrix.....: WATER
Date Sampled...: 03/25/04 12:30 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	10800	2000	mg/L	MCAWW 300.0A	04/07/04	4099353

Dilution Factor: 2000 Analysis Time...: 16:06 MS Run #.....: 4099177

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: STATELINE SOIL WASTE

GC Volatiles

Lot-Sample #....: I4C300228-018 Work Order #....: GC7DJ1AC Matrix.....: SOLID
Date Sampled....: 03/25/04 12:30 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 18:11
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	90	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	100	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: STATELINE SOIL WASTE

GC Semivolatiles

Lot-Sample #....: I4C300228-018 Work Order #....: GC7DJ1AL Matrix.....: SOLID
Date Sampled....: 03/25/04 12:30 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 03:17
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	94	(39 - 139)
Dotriacontane	98	(13 - 161)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: STATELINE SOIL WASTE

TOTAL Metals

Lot-Sample #...: I4C300228-018

Matrix.....: SOLID

Date Sampled...: 03/25/04 12:30 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092199						
Silver	ND	0.72	mg/kg	SW846 6010B	03/31-04/01/04	GC7DJ1AJ
		Dilution Factor: 0.72		Analysis Time...: 17:39	MS Run #.....: 4092080	
Arsenic	1.9	0.72	mg/kg	SW846 6010B	03/31-04/01/04	GC7DJ1AD
		Dilution Factor: 0.72		Analysis Time...: 17:39	MS Run #.....: 4092080	
Barium	72.9	14.4	mg/kg	SW846 6010B	03/31-04/01/04	GC7DJ1AE
		Dilution Factor: 0.72		Analysis Time...: 17:39	MS Run #.....: 4092080	
Cadmium	ND	0.36	mg/kg	SW846 6010B	03/31-04/01/04	GC7DJ1AF
		Dilution Factor: 0.72		Analysis Time...: 17:39	MS Run #.....: 4092080	
Chromium	10.9	0.72	mg/kg	SW846 6010B	03/31-04/01/04	GC7DJ1AK
		Dilution Factor: 0.72		Analysis Time...: 17:39	MS Run #.....: 4092080	
Lead	2.3	0.22	mg/kg	SW846 6010B	03/31-04/01/04	GC7DJ1AG
		Dilution Factor: 0.72		Analysis Time...: 17:39	MS Run #.....: 4092080	
Selenium	ND	0.36	mg/kg	SW846 6010B	03/31-04/01/04	GC7DJ1AH
		Dilution Factor: 0.72		Analysis Time...: 17:39	MS Run #.....: 4092080	
Prep Batch #...: 4097173						
Mercury	ND	0.096	mg/kg	SW846 7471A	04/06-04/07/04	GC7DJ1AA
		Dilution Factor: 0.96		Analysis Time...: 15:48	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RATTLESNAKE WASTE

GC Volatiles

Lot-Sample #....: I4C300228-019 Work Order #....: GC7DL1AD Matrix.....: WATER
Date Sampled....: 03/25/04 14:30 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 22:13
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	120	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	90	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RATTLESNAKE WASTE

GC Volatiles

Lot-Sample #....: I4C300228-019 Work Order #....: GC7DL1AA Matrix.....: WATER
Date Sampled....: 03/25/04 14:30 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093419 Analysis Time...: 22:13
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	12	1.0	ug/L
Toluene	24	1.0	ug/L
Xylenes (total)	4.3	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	103	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	108	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RATTLESNAKE WASTE

General Chemistry

Lot-Sample #....: I4C300228-019 Work Order #....: GC7DL Matrix.....: WATER
Date Sampled....: 03/25/04 14:30 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	1540	500	mg/L	MCAWW 300.0A	04/07/04	4099353
		Dilution Factor: 500		Analysis Time...: 16:19	MS Run #.....: 4099177	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RATTLESNAKE WASTE

GC Volatiles

Lot-Sample #....: I4C300228-020 Work Order #....: GC7DV1AC Matrix.....: SOLID
Date Sampled....: 03/25/04 14:30 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 18:40
Dilution Factor: 0.98
% Moisture.....: Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	4.9	ug/kg
Ethylbenzene	ND	4.9	ug/kg
Toluene	ND	4.9	ug/kg
Xylenes (total)	ND	4.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	95	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RATTLESNAKE WASTE

GC Semivolatiles

Lot-Sample #....: I4C300228-020 Work Order #....: GC7DV1AL Matrix.....: SOLID
Date Sampled....: 03/25/04 14:30 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 03:53
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	92	(39 - 139)
Dotriacontane	88	(13 - 161)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RATTLESNAKE WASTE

TOTAL Metals

Lot-Sample #....: I4C300228-020

Matrix.....: SOLID

Date Sampled...: 03/25/04 14:30 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092199						
Silver	ND	0.98	mg/kg	SW846 6010B	03/31-04/01/04	GC7DV1AJ
		Dilution Factor: 0.98		Analysis Time...: 17:45	MS Run #.....: 4092080	
Arsenic	3.7	0.98	mg/kg	SW846 6010B	03/31-04/01/04	GC7DV1AD
		Dilution Factor: 0.98		Analysis Time...: 17:45	MS Run #.....: 4092080	
Barium	1650	19.6	mg/kg	SW846 6010B	03/31-04/01/04	GC7DV1AE
		Dilution Factor: 0.98		Analysis Time...: 17:45	MS Run #.....: 4092080	
Cadmium	ND	0.49	mg/kg	SW846 6010B	03/31-04/01/04	GC7DV1AF
		Dilution Factor: 0.98		Analysis Time...: 17:45	MS Run #.....: 4092080	
Chromium	9.0	0.98	mg/kg	SW846 6010B	03/31-04/01/04	GC7DV1AK
		Dilution Factor: 0.98		Analysis Time...: 17:45	MS Run #.....: 4092080	
Lead	3.2	0.29	mg/kg	SW846 6010B	03/31-04/01/04	GC7DV1AG
		Dilution Factor: 0.98		Analysis Time...: 17:45	MS Run #.....: 4092080	
Selenium	ND	0.49	mg/kg	SW846 6010B	03/31-04/01/04	GC7DV1AH
		Dilution Factor: 0.98		Analysis Time...: 17:45	MS Run #.....: 4092080	
Prep Batch #....: 4097173						
Mercury	ND	0.093	mg/kg	SW846 7471A	04/06-04/07/04	GC7DV1AA
		Dilution Factor: 0.93		Analysis Time...: 15:49	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX 1 WATER

GC Volatiles

Lot-Sample #....: I4C300228-021 Work Order #....: GC7EG1AD Matrix.....: WATER
Date Sampled....: 03/25/04 11:40 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093410 Analysis Time...: 03:22
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	670	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	92	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX 1 WATER

GC Volatiles

Lot-Sample #....: I4C300228-021 Work Order #....: GC7EG1AA Matrix.....: WATER
Date Sampled....: 03/25/04 11:40 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093419 Analysis Time...: 03:22
Dilution Factor: 1
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	68	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	56	1.0	ug/L
Xylenes (total)	68	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	218 *	(73 - 135)

NOTE(S) :

- Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to coelution.

Sample analyzed after clean blank that was analyzed 4/2/04 02:41.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX 1 WATER

General Chemistry

Lot-Sample #...: I4C300228-021 Work Order #...: GC7EG

Matrix.....: WATER

Date Sampled...: 03/25/04 11:40 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	172	50.0	mg/L	MCAWW 300.0A	04/07/04	4099353
		Dilution Factor: 50		Analysis Time...: 12:16	MS Run #.....: 4099177	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX 2 WATER

GC Volatiles

Lot-Sample #....: I4C300228-022 Work Order #....: GC7EM1AD Matrix.....: WATER
Date Sampled....: 03/25/04 11:40 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 22:49
Dilution Factor: 2
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	2600	200	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	113	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX 2 WATER

GC Volatiles

Lot-Sample #...: I4C300228-022 Work Order #...: GC7EM1AA Matrix.....: WATER
Date Sampled...: 03/25/04 11:40 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #...: 4097248 Analysis Time...: 22:49
Dilution Factor: 2
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	10	2.0	ug/L
Ethylbenzene	28	2.0	ug/L
Toluene	11	2.0	ug/L
Xylenes (total)	440	6.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	102	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX 2 WATER

General Chemistry

Lot-Sample #....: I4C300228-022 Work Order #....: GC7EM Matrix.....: WATER
Date Sampled....: 03/25/04 11:40 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	115	50.0	mg/L	MCAWW 300.0A	04/07/04	4099353
Dilution Factor: 50				Analysis Time...: 12:29	MS Run #.....: 4099177	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX SOIL

GC Volatiles

Lot-Sample #....: I4C300228-023 Work Order #....: GC7EP1AC Matrix.....: SOLID
Date Sampled....: 03/25/04 12:00 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 19:08
Dilution Factor: 0.98
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	4.9	ug/kg
Ethylbenzene	ND	4.9	ug/kg
Toluene	ND	4.9	ug/kg
Xylenes (total)	ND	4.9	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	88	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	101	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX SOIL

GC Semivolatiles

Lot-Sample #....: I4C300228-023 Work Order #....: GC7EP1AL Matrix.....: SOLID
Date Sampled....: 03/25/04 12:00 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 04:30
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	38	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	107	(39 - 139)
Dotriacontane	97	(13 - 161)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX SOIL

TOTAL Metals

Lot-Sample #....: I4C300228-023

Matrix.....: SOLID

Date Sampled....: 03/25/04 12:00 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092199						
Silver	ND	0.74	mg/kg	SW846 6010B	03/31-04/01/04	GC7EP1AJ
		Dilution Factor: 0.74		Analysis Time...: 17:51	MS Run #.....: 4092080	
Arsenic	1.2	0.74	mg/kg	SW846 6010B	03/31-04/01/04	GC7EP1AD
		Dilution Factor: 0.74		Analysis Time...: 17:51	MS Run #.....: 4092080	
Barium	94.2	14.8	mg/kg	SW846 6010B	03/31-04/01/04	GC7EP1AE
		Dilution Factor: 0.74		Analysis Time...: 17:51	MS Run #.....: 4092080	
Cadmium	ND	0.37	mg/kg	SW846 6010B	03/31-04/01/04	GC7EP1AF
		Dilution Factor: 0.74		Analysis Time...: 17:51	MS Run #.....: 4092080	
Chromium	3.7	0.74	mg/kg	SW846 6010B	03/31-04/01/04	GC7EP1AK
		Dilution Factor: 0.74		Analysis Time...: 17:51	MS Run #.....: 4092080	
Lead	1.3	0.22	mg/kg	SW846 6010B	03/31-04/01/04	GC7EP1AG
		Dilution Factor: 0.74		Analysis Time...: 17:51	MS Run #.....: 4092080	
Selenium	ND	0.37	mg/kg	SW846 6010B	03/31-04/01/04	GC7EP1AH
		Dilution Factor: 0.74		Analysis Time...: 17:51	MS Run #.....: 4092080	
Prep Batch #....: 4097173						
Mercury	ND	0.076	mg/kg	SW846 7471A	04/06-04/07/04	GC7EP1AA
		Dilution Factor: 0.76		Analysis Time...: 15:50	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWE

GC Volatiles

Lot-Sample #...: I4C300228-024 Work Order #...: GC7E31AC Matrix.....: WATER
Date Sampled...: 03/24/04 16:25 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #...: 4093410 Analysis Time...: 03:51
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	93	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWE

GC Volatiles

Lot-Sample #....: I4C300228-024 Work Order #....: GC7E31AA Matrix.....: WATER
Date Sampled....: 03/24/04 16:25 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093419 Analysis Time...: 03:51
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	95	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWF

GC/MS Volatiles

Lot-Sample #....: I4C300228-025 Work Order #....: GC7FX1AA Matrix.....: WATER
 Date Sampled....: 03/24/04 18:20 Date Received...: 03/30/04 MS Run #.....: 4105065
 Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
 Prep Batch #....: 4097412 Analysis Time...: 23:01
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro- propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWF

GC/MS Volatiles

Lot-Sample #....: I4C300228-025 Work Order #....: GC7FX1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	2.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	99	(75 - 135)
Toluene-d8	98	(91 - 128)
Dibromofluoromethane	98	(61 - 125)
1,2-Dichloroethane-d4	96	(57 - 116)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWD

GC/MS Semivolatiles

Lot-Sample #....: I4C300228-026 Work Order #....: GC7F01AR Matrix.....: WATER
 Date Sampled....: 03/24/04 17:05 Date Received...: 03/30/04 MS Run #.....:
 Prep Date.....: 03/31/04 Analysis Date...: 04/05/04
 Prep Batch #....: 4091417 Analysis Time...: 20:12
 Dilution Factor: 0.98
 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	9.8	ug/L
Acenaphthylene	ND	9.8	ug/L
Anthracene	ND	9.8	ug/L
Benz(a)anthracene	ND	9.8	ug/L
Benzo(b)fluoranthene	ND	9.8	ug/L
Benzo(k)fluoranthene	ND	9.8	ug/L
Benzo(ghi)perylene	ND	9.8	ug/L
Benzo(a)pyrene	ND	9.8	ug/L
bis(2-Chloroethoxy) methane	ND	9.8	ug/L
bis(2-Chloroethyl) - ether	ND	9.8	ug/L
bis(2-Chloroisopropyl) ether	ND	9.8	ug/L
bis(2-Ethylhexyl) phthalate	ND	9.8	ug/L
4-Bromophenyl phenyl ether	ND	9.8	ug/L
Butyl benzyl phthalate	ND	9.8	ug/L
4-Chloroaniline	ND	9.8	ug/L
4-Chloro-3-methylphenol	ND	9.8	ug/L
2-Chloronaphthalene	ND	9.8	ug/L
2-Chlorophenol	ND	9.8	ug/L
4-Chlorophenyl phenyl ether	ND	9.8	ug/L
Chrysene	ND	9.8	ug/L
Dibenz(a,h)anthracene	ND	9.8	ug/L
Dibenzofuran	ND	9.8	ug/L
Di-n-butyl phthalate	ND	9.8	ug/L
1,2-Dichlorobenzene	ND	9.8	ug/L
1,3-Dichlorobenzene	ND	9.8	ug/L
1,4-Dichlorobenzene	ND	9.8	ug/L
3,3'-Dichlorobenzidine	ND	49	ug/L
2,4-Dichlorophenol	ND	9.8	ug/L
Diethyl phthalate	ND	9.8	ug/L
2,4-Dimethylphenol	ND	9.8	ug/L
Dimethyl phthalate	ND	9.8	ug/L
4,6-Dinitro- 2-methylphenol	ND	49	ug/L

(Continued on next page)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWD

GC/MS Semivolatiles

Lot-Sample #....: I4C300228-026 Work Order #....: GC7F01AR Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrophenol	ND	49	ug/L
2,4-Dinitrotoluene	ND	9.8	ug/L
2,6-Dinitrotoluene	ND	9.8	ug/L
Di-n-octyl phthalate	ND	9.8	ug/L
Fluoranthene	ND	9.8	ug/L
Fluorene	ND	9.8	ug/L
Hexachlorobenzene	ND	9.8	ug/L
Hexachlorobutadiene	ND	9.8	ug/L
Hexachlorocyclopenta- diene	ND	49	ug/L
Hexachloroethane	ND	9.8	ug/L
Indeno(1,2,3-cd)pyrene	ND	9.8	ug/L
Isophorone	ND	9.8	ug/L
2-Methylnaphthalene	ND	9.8	ug/L
2-Methylphenol	ND	9.8	ug/L
4-Methylphenol	ND	20	ug/L
Naphthalene	ND	9.8	ug/L
2-Nitroaniline	ND	49	ug/L
3-Nitroaniline	ND	49	ug/L
4-Nitroaniline	ND	49	ug/L
Nitrobenzene	ND	9.8	ug/L
2-Nitrophenol	ND	9.8	ug/L
4-Nitrophenol	ND	49	ug/L
N-Nitrosodiphenylamine	ND	9.8	ug/L
N-Nitrosodi-n-propyl- amine	ND	9.8	ug/L
Pentachlorophenol	ND	49	ug/L
Phenanthrene	ND	9.8	ug/L
Phenol	ND	9.8	ug/L
Pyrene	ND	9.8	ug/L
1,2,4-Trichloro- benzene	ND	9.8	ug/L
2,4,5-Trichloro- phenol	ND	9.8	ug/L
2,4,6-Trichloro- phenol	ND	9.8	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	94	(60 - 110)
2-Fluorobiphenyl	95	(59 - 117)
Terphenyl-d14	97	(63 - 120)
2-Fluorophenol	88	(38 - 122)
Phenol-d5	94	(36 - 124)
2,4,6-Tribromophenol	105	(52 - 133)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWD

GC Volatiles

Lot-Sample #....: I4C300228-026 Work Order #....: GC7F01AP Matrix.....: WATER
Date Sampled....: 03/24/04 17:05 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 15:16
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	1.9	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWD

GC Volatiles

Lot-Sample #....: I4C300228-026 Work Order #....: GC7F01AC Matrix.....: WATER
Date Sampled....: 03/24/04 17:05 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093410 Analysis Time...: 04:49
Dilution Factor: 1

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	88	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWD

GC Volatiles

Lot-Sample #....: I4C300228-026 Work Order #....: GC7F01AA Matrix.....: WATER
Date Sampled....: 03/24/04 17:05 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093419 Analysis Time...: 04:20
Dilution Factor: 1 Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	91	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWD

TOTAL Metals

Lot-Sample #...: I4C300228-026

Matrix.....: WATER

Date Sampled...: 03/24/04 17:05 Date Received...: 03/30/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GC7F01AL
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4092218	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWD

DISSOLVED Metals

Lot-Sample #...: I4C300228-026

Matrix.....: WATER

Date Sampled...: 03/24/04 17:05 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4100141						
Silver	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC7F01AU
		Dilution Factor: 1		Analysis Time...: 11:30	MS Run #.....: 4100025	
Arsenic	0.021	0.010	mg/L	SW846 6010B	04/09/04	GC7F01AV
		Dilution Factor: 1		Analysis Time...: 11:30	MS Run #.....: 4100025	
Barium	0.30	0.20	mg/L	SW846 6010B	04/09/04	GC7F01AW
		Dilution Factor: 1		Analysis Time...: 11:30	MS Run #.....: 4100025	
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/09/04	GC7F01AX
		Dilution Factor: 1		Analysis Time...: 11:30	MS Run #.....: 4100025	
Chromium	0.026	0.0050	mg/L	SW846 6010B	04/09/04	GC7F01A0
		Dilution Factor: 1		Analysis Time...: 11:30	MS Run #.....: 4100025	
Lead	0.0044	0.0030	mg/L	SW846 6010B	04/09/04	GC7F01A1
		Dilution Factor: 1		Analysis Time...: 11:30	MS Run #.....: 4100025	
Selenium	0.031	0.0050	mg/L	SW846 6010B	04/09/04	GC7F01A2
		Dilution Factor: 1		Analysis Time...: 11:30	MS Run #.....: 4100025	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWD

General Chemistry

Lot-Sample #....: I4C300228-026 Work Order #....: GC7F0 Matrix.....: WATER
Date Sampled....: 03/24/04 17:05 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	822	100	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 1000		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	64.3	20.0	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 20		Analysis Time...: 11:33	MS Run #.....: 4098093	
Total Alkalinity	166	5.0	mg/L	MCAWW 310.1	04/02/04	4094125
		Dilution Factor: 1		Analysis Time...: 14:00	MS Run #.....: 4094018	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWC

GC Volatiles

Lot-Sample #....: I4C300228-027 Work Order #....: GC7GJ1AC Matrix.....: WATER
Date Sampled....: 03/24/04 18:10 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093410 Analysis Time...: 05:18
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	120	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	94	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWC

GC Volatiles

Lot-Sample #....: I4C300228-027 Work Order #....: GC7GJ1AA Matrix.....: WATER
Date Sampled....: 03/24/04 18:10 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093419 Analysis Time...: 05:18
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	3.1	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	3.5	1.0	ug/L
Xylenes (total)	14	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	94	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	140 *	(73 - 135)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Sample analyzed after clean blank that was analyzed 4/2/04 02:41.

Surrogates outside acceptance criteria due to coelution.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWB

GC Volatiles

Lot-Sample #....: I4C300228-028 Work Order #....: GC7GT1AF Matrix.....: WATER
Date Sampled....: 03/24/04 17:55 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 15:22
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	2.5	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWB

GC Volatiles

Lot-Sample #....: I4C300228-028 Work Order #....: GC7GT1AC Matrix.....: WATER
Date Sampled....: 03/24/04 17:55 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 23:17
Dilution Factor: 2

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	1700	200	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWB

GC Volatiles

Lot-Sample #...: I4C300228-028 Work Order #...: GC7GT1AA Matrix.....: WATER
Date Sampled...: 03/24/04 17:55 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #...: 4097248 Analysis Time...: 23:17
Dilution Factor: 2 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	47	2.0	ug/L
Ethylbenzene	22	2.0	ug/L
Toluene	220	2.0	ug/L
Xylenes (total)	230	6.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWB

General Chemistry

Lot-Sample #....: I4C300228-028 Work Order #....: GC7GT

Matrix.....: WATER

Date Sampled....: 03/24/04 17:55 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	298	20.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 200		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	65.7	20.0	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 20		Analysis Time...: 11:46	MS Run #.....: 4098093	
Total Alkalinity	212	5.0	mg/L	MCAWW 310.1	04/02/04	4094125
		Dilution Factor: 1		Analysis Time...: 14:00	MS Run #.....: 4094018	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWA

GC Volatiles

Lot-Sample #....: I4C300228-029 Work Order #....: GC7HQ1AF Matrix.....: WATER
Date Sampled....: 03/24/04 17:35 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 15:31
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methane	1.6	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWA

GC Volatiles

Lot-Sample #....: I4C300228-029 Work Order #....: GC7HQ1AC Matrix.....: WATER
Date Sampled....: 03/24/04 17:35 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093410 Analysis Time...: 05:47
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	91	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWA

GC Volatiles

Lot-Sample #....: I4C300228-029 Work Order #....: GC7HQ1AA Matrix.....: WATER
Date Sampled....: 03/24/04 17:35 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093419 Analysis Time...: 05:47
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	95	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-MWA

General Chemistry

Lot-Sample #....: I4C300228-029 Work Order #....: GC7HQ Matrix.....: WATER
Date Sampled....: 03/24/04 17:35 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	22.2	5.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 50		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	80.3	20.0	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 20		Analysis Time...: 11:59	MS Run #.....: 4098093	
Total Alkalinity	165	5.0	mg/L	MCAWW 310.1	04/02/04	4094125
		Dilution Factor: 1		Analysis Time...: 14:00	MS Run #.....: 4094018	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX-MW-7

GC Volatiles

Lot-Sample #....: I4C300228-030 Work Order #....: GC7H71AF Matrix.....: WATER
Date Sampled....: 03/26/04 07:55 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 16:05
Dilution Factor: 50
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	2300	25	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX-MW-7

GC Volatiles

Lot-Sample #....: I4C300228-030 Work Order #....: GC7H71AC Matrix.....: WATER
Date Sampled....: 03/26/04 07:55 Date Received...: 03/30/04 MS Run #.....: 4093159
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093410 Analysis Time...: 06:16
Dilution Factor: 1

Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	830	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APKX-MW-7

GC Volatiles

Lot-Sample #....: I4C300228-030 Work Order #....: GC7H71AA Matrix.....: WATER
Date Sampled....: 03/26/04 07:55 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4093419 Analysis Time...: 06:16
Dilution Factor: 1 Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	170	1.0	ug/L
Ethylbenzene	27	1.0	ug/L
Toluene	28	1.0	ug/L
Xylenes (total)	40	3.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	128	(73 - 135)

NOTE(S) :

Sample analyzed after clean blank that was analyzed 4/2/04 02:41.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEX-MW-7

General Chemistry

Lot-Sample #....: I4C300228-030 Work Order #....: GC7H7 Matrix.....: WATER
Date Sampled....: 03/26/04 07:55 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 1		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	539	20.0	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 20		Analysis Time...: 12:13	MS Run #.....: 4098093	
Total Alkalinity	875	5.0	mg/L	MCAWW 310.1	04/06/04	4097275
		Dilution Factor: 1		Analysis Time...: 10:00	MS Run #.....: 4097120	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-I 0-1'

GC Volatiles

Lot-Sample #....: I4C300228-031 Work Order #....: GC7JE1AC Matrix.....: SOLID
Date Sampled....: 03/23/04 10:30 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 19:36
Dilution Factor: 0.97
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	4.8	ug/kg
Ethylbenzene	ND	4.8	ug/kg
Toluene	ND	4.8	ug/kg
Xylenes (total)	ND	4.8	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	83	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	108	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-I 0-1'

GC Semivolatiles

Lot-Sample #....: I4C300228-031 Work Order #....: GC7JE1AL Matrix.....: SOLID
Date Sampled....: 03/23/04 10:30 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 05:06
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	18	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	65	(39 - 139)
Dotriacontane	199 *	(13 - 161)

NOTE (S) :

* Surrogate recovery is outside stated control limits.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-I 0-1'

TOTAL Metals

Lot-Sample #...: I4C300228-031

Matrix.....: SOLID

Date Sampled...: 03/23/04 10:30 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092199						
Silver	ND	0.78	mg/kg	SW846 6010B	03/31-04/01/04	GC7JE1AJ
		Dilution Factor: 0.78		Analysis Time...: 17:56	MS Run #.....: 4092080	
Arsenic	6.1	0.78	mg/kg	SW846 6010B	03/31-04/01/04	GC7JE1AD
		Dilution Factor: 0.78		Analysis Time...: 17:56	MS Run #.....: 4092080	
Barium	142	15.6	mg/kg	SW846 6010B	03/31-04/01/04	GC7JE1AE
		Dilution Factor: 0.78		Analysis Time...: 17:56	MS Run #.....: 4092080	
Cadmium	ND	0.39	mg/kg	SW846 6010B	03/31-04/01/04	GC7JE1AF
		Dilution Factor: 0.78		Analysis Time...: 17:56	MS Run #.....: 4092080	
Chromium	8.0	0.78	mg/kg	SW846 6010B	03/31-04/01/04	GC7JE1AK
		Dilution Factor: 0.78		Analysis Time...: 17:56	MS Run #.....: 4092080	
Lead	5.0	0.23	mg/kg	SW846 6010B	03/31-04/01/04	GC7JE1AG
		Dilution Factor: 0.78		Analysis Time...: 17:56	MS Run #.....: 4092080	
Selenium	0.47	0.39	mg/kg	SW846 6010B	03/31-04/01/04	GC7JE1AH
		Dilution Factor: 0.78		Analysis Time...: 17:56	MS Run #.....: 4092080	
Prep Batch #...: 4097173						
Mercury	ND	0.070	mg/kg	SW846 7471A	04/06-04/07/04	GC7JE1AA
		Dilution Factor: 0.7		Analysis Time...: 15:51	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-J 0-1'

GC Volatiles

Lot-Sample #.... I4C300228-032 Work Order #.... GC7J01AC Matrix..... SOLID
Date Sampled.... 03/23/04 10:40 Date Received... 03/30/04 MS Run #..... 4096092
Prep Date..... 04/02/04 Analysis Date... 04/02/04
Prep Batch #.... 4096214 Analysis Time... 20:04
Dilution Factor: 1.01
% Moisture..... Method..... SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	84	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	104	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-J 0-1'

GC Semivolatiles

Lot-Sample #....: I4C300228-032 Work Order #....: GC7J01AL Matrix.....: SOLID
Date Sampled....: 03/23/04 10:40 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 05:42
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	65	(39 - 139)
Dotriacontane	155	(13 - 161)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSEB-J 0-1'

TOTAL Metals

Lot-Sample #....: I4C300228-032

Matrix.....: SOLID

Date Sampled....: 03/23/04 10:40 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092199						
Silver	ND	0.81	mg/kg	SW846 6010B	03/31-04/01/04	GC7J01AJ
		Dilution Factor: 0.81		Analysis Time...: 18:02	MS Run #.....: 4092080	
Arsenic	6.1	0.81	mg/kg	SW846 6010B	03/31-04/01/04	GC7J01AD
		Dilution Factor: 0.81		Analysis Time...: 18:02	MS Run #.....: 4092080	
Barium	173	16.2	mg/kg	SW846 6010B	03/31-04/01/04	GC7J01AE
		Dilution Factor: 0.81		Analysis Time...: 18:02	MS Run #.....: 4092080	
Cadmium	ND	0.40	mg/kg	SW846 6010B	03/31-04/01/04	GC7J01AF
		Dilution Factor: 0.81		Analysis Time...: 18:02	MS Run #.....: 4092080	
Chromium	2.4	0.81	mg/kg	SW846 6010B	03/31-04/01/04	GC7J01AK
		Dilution Factor: 0.81		Analysis Time...: 18:02	MS Run #.....: 4092080	
Lead	2.3	0.24	mg/kg	SW846 6010B	03/31-04/01/04	GC7J01AG
		Dilution Factor: 0.81		Analysis Time...: 18:02	MS Run #.....: 4092080	
Selenium	ND	0.40	mg/kg	SW846 6010B	03/31-04/01/04	GC7J01AH
		Dilution Factor: 0.81		Analysis Time...: 18:02	MS Run #.....: 4092080	
Prep Batch #....: 4097173						
Mercury	ND	0.083	mg/kg	SW846 7471A	04/06-04/07/04	GC7J01AA
		Dilution Factor: 0.83		Analysis Time...: 15:53	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-J 1-1.5'

GC Volatiles

Lot-Sample #....: I4C300228-033 Work Order #....: GC7J51AC Matrix.....: SOLID
Date Sampled....: 03/23/04 10:40 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 20:33
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	90	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	98	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-J 1-1.5'

GC Semivolatiles

Lot-Sample #....: I4C300228-033 Work Order #....: GC7J51AL Matrix.....: SOLID
Date Sampled...: 03/23/04 10:40 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 06:18
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	64	(39 - 139)
Dotriacontane	109	(13 - 161)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-J 1-1.5'

TOTAL Metals

Lot-Sample #...: I4C300228-033

Matrix.....: SOLID

Date Sampled...: 03/23/04 10:40 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092199						
Silver	ND	0.81	mg/kg	SW846 6010B	03/31-04/01/04	GC7J51AJ
		Dilution Factor: 0.81		Analysis Time... 18:07	MS Run #.....: 4092080	
Arsenic	6.2	0.81	mg/kg	SW846 6010B	03/31-04/01/04	GC7J51AD
		Dilution Factor: 0.81		Analysis Time... 18:07	MS Run #.....: 4092080	
Barium	454	16.2	mg/kg	SW846 6010B	03/31-04/01/04	GC7J51AE
		Dilution Factor: 0.81		Analysis Time... 18:07	MS Run #.....: 4092080	
Cadmium	ND	0.40	mg/kg	SW846 6010B	03/31-04/01/04	GC7J51AF
		Dilution Factor: 0.81		Analysis Time... 18:07	MS Run #.....: 4092080	
Chromium	1.4	0.81	mg/kg	SW846 6010B	03/31-04/01/04	GC7J51AK
		Dilution Factor: 0.81		Analysis Time... 18:07	MS Run #.....: 4092080	
Lead	0.41	0.24	mg/kg	SW846 6010B	03/31-04/01/04	GC7J51AG
		Dilution Factor: 0.81		Analysis Time... 18:07	MS Run #.....: 4092080	
Selenium	ND	0.40	mg/kg	SW846 6010B	03/31-04/01/04	GC7J51AH
		Dilution Factor: 0.81		Analysis Time... 18:07	MS Run #.....: 4092080	
Prep Batch #...: 4097173						
Mercury	ND	0.10	mg/kg	SW846 7471A	04/06-04/07/04	GC7J51AA
		Dilution Factor: 1		Analysis Time... 15:54	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-J 1.5-2'

GC Volatiles

Lot-Sample #....: I4C300228-034 Work Order #....: GC7KA1AC Matrix.....: SOLID
Date Sampled...: 03/23/04 10:40 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 21:01
Dilution Factor: 0.97
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	4.8	ug/kg
Ethylbenzene	ND	4.8	ug/kg
Toluene	ND	4.8	ug/kg
Xylenes (total)	ND	4.8	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	88	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	100	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-J 1.5-2'

GC Semivolatiles

Lot-Sample #....: I4C300228-034 Work Order #....: GC7KA1AL Matrix.....: SOLID
Date Sampled....: 03/23/04 10:40 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 06:55
Dilution Factor: 10
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	150	mg/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	64	(39 - 139)
Dotriacontane	119	(13 - 161)

NOTE(S) :

Elevated reporting limit due to presence of hube oil.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-J 1.5-2'

TOTAL Metals

Lot-Sample #....: I4C300228-034

Matrix.....: SOLID

Date Sampled....: 03/23/04 10:40 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092199						
Silver	ND	0.82	mg/kg	SW846 6010B	03/31-04/01/04	GC7KA1AJ
		Dilution Factor: 0.82		Analysis Time...: 18:13	MS Run #.....: 4092080	
Arsenic	6.0	0.82	mg/kg	SW846 6010B	03/31-04/01/04	GC7KA1AD
		Dilution Factor: 0.82		Analysis Time...: 18:13	MS Run #.....: 4092080	
Barium	386	16.4	mg/kg	SW846 6010B	03/31-04/01/04	GC7KA1AE
		Dilution Factor: 0.82		Analysis Time...: 18:13	MS Run #.....: 4092080	
Cadmium	ND	0.41	mg/kg	SW846 6010B	03/31-04/01/04	GC7KA1AF
		Dilution Factor: 0.82		Analysis Time...: 18:13	MS Run #.....: 4092080	
Chromium	1.6	0.82	mg/kg	SW846 6010B	03/31-04/01/04	GC7KA1AK
		Dilution Factor: 0.82		Analysis Time...: 18:13	MS Run #.....: 4092080	
Lead	0.81	0.25	mg/kg	SW846 6010B	03/31-04/01/04	GC7KA1AG
		Dilution Factor: 0.82		Analysis Time...: 18:13	MS Run #.....: 4092080	
Selenium	ND	0.41	mg/kg	SW846 6010B	03/31-04/01/04	GC7KA1AH
		Dilution Factor: 0.82		Analysis Time...: 18:13	MS Run #.....: 4092080	
Prep Batch #....: 4097173						
Mercury	ND	0.088	mg/kg	SW846 7471A	04/06-04/07/04	GC7KA1AA
		Dilution Factor: 0.88		Analysis Time...: 15:55	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-K 0-1'

GC Volatiles

Lot-Sample #...: I4C300228-035 Work Order #...: GC7KK1AC Matrix.....: SOLID
Date Sampled...: 03/23/04 10:50 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #...: 4096214 Analysis Time...: 21:29
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Bromofluorobenzene	91	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	100	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-K 0-1'

GC Semivolatiles

Lot-Sample #....: I4C300228-035 Work Order #....: GC7KK1AL Matrix.....: SOLID
Date Sampled....: 03/23/04 10:50 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 07:31
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	78	(39 - 139)
Dotriacontane	95	(13 - 161)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-K 0-1'

TOTAL Metals

Lot-Sample #....: I4C300228-035

Matrix.....: SOLID

Date Sampled....: 03/23/04 10:50 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092199						
Silver	ND	0.83	mg/kg	SW846 6010B	03/31-04/01/04	GC7KK1AJ
		Dilution Factor: 0.83		Analysis Time...: 18:18	MS Run #.....: 4092080	
Arsenic	6.6	0.83	mg/kg	SW846 6010B	03/31-04/01/04	GC7KK1AD
		Dilution Factor: 0.83		Analysis Time...: 18:18	MS Run #.....: 4092080	
Barium	277	16.6	mg/kg	SW846 6010B	03/31-04/01/04	GC7KK1AE
		Dilution Factor: 0.83		Analysis Time...: 18:18	MS Run #.....: 4092080	
Cadmium	ND	0.42	mg/kg	SW846 6010B	03/31-04/01/04	GC7KK1AF
		Dilution Factor: 0.83		Analysis Time...: 18:18	MS Run #.....: 4092080	
Chromium	2.6	0.83	mg/kg	SW846 6010B	03/31-04/01/04	GC7KK1AK
		Dilution Factor: 0.83		Analysis Time...: 18:18	MS Run #.....: 4092080	
Lead	1.9	0.25	mg/kg	SW846 6010B	03/31-04/01/04	GC7KK1AG
		Dilution Factor: 0.83		Analysis Time...: 18:18	MS Run #.....: 4092080	
Selenium	ND	0.42	mg/kg	SW846 6010B	03/31-04/01/04	GC7KK1AH
		Dilution Factor: 0.83		Analysis Time...: 18:18	MS Run #.....: 4092080	
Prep Batch #....: 4097173						
Mercury	ND	0.098	mg/kg	SW846 7471A	04/06-04/07/04	GC7KK1AA
		Dilution Factor: 0.98		Analysis Time...: 15:57	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-L 0-1'

GC Volatiles

Lot-Sample #....: I4C300228-036 Work Order #....: GC7KP1AC Matrix.....: SOLID
Date Sampled....: 03/23/04 11:00 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 21:57
Dilution Factor: 0.97
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	4.8	ug/kg
Ethylbenzene	ND	4.8	ug/kg
Toluene	ND	4.8	ug/kg
Xylenes (total)	ND	4.8	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	86	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	101	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-L 0-1'

GC Semivolatiles

Lot-Sample #....: I4C300228-036 Work Order #....: GC7KP1AL Matrix.....: SOLID
Date Sampled....: 03/23/04 11:00 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 08:07
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	77	(39 - 139)
Dotriacontane	154	(13 - 161)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-L 0-1'

TOTAL Metals

Lot-Sample #....: I4C300228-036

Matrix.....: SOLID

Date Sampled....: 03/23/04 11:00 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4092199						
Silver	ND	0.75	mg/kg	SW846 6010B	03/31-04/01/04	GC7KP1AJ
		Dilution Factor: 0.75		Analysis Time...: 18:24	MS Run #.....: 4092080	
Arsenic	4.5	0.75	mg/kg	SW846 6010B	03/31-04/01/04	GC7KP1AD
		Dilution Factor: 0.75		Analysis Time...: 18:24	MS Run #.....: 4092080	
Barium	188	15.0	mg/kg	SW846 6010B	03/31-04/01/04	GC7KP1AE
		Dilution Factor: 0.75		Analysis Time...: 18:24	MS Run #.....: 4092080	
Cadmium	ND	0.38	mg/kg	SW846 6010B	03/31-04/01/04	GC7KP1AF
		Dilution Factor: 0.75		Analysis Time...: 18:24	MS Run #.....: 4092080	
Chromium	3.5	0.75	mg/kg	SW846 6010B	03/31-04/01/04	GC7KP1AK
		Dilution Factor: 0.75		Analysis Time...: 18:24	MS Run #.....: 4092080	
Lead	2.0	0.22	mg/kg	SW846 6010B	03/31-04/01/04	GC7KP1AG
		Dilution Factor: 0.75		Analysis Time...: 18:24	MS Run #.....: 4092080	
Selenium	ND	0.38	mg/kg	SW846 6010B	03/31-04/01/04	GC7KP1AH
		Dilution Factor: 0.75		Analysis Time...: 18:24	MS Run #.....: 4092080	
Prep Batch #....: 4097173						
Mercury	ND	0.092	mg/kg	SW846 7471A	04/06-04/07/04	GC7KP1AA
		Dilution Factor: 0.92		Analysis Time...: 15:58	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-L 1-1.5'

GC Volatiles

Lot-Sample #....: I4C300228-037 Work Order #....: GC7K11AC Matrix.....: SOLID
Date Sampled....: 03/23/04 11:00 Date Received...: 03/30/04 MS Run #.....: 4096092
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 22:26
Dilution Factor: 0.97
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	4.8	ug/kg
Ethylbenzene	ND	4.8	ug/kg
Toluene	ND	4.8	ug/kg
Xylenes (total)	ND	4.8	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	78	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	121	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-L 1-1.5'

GC Semivolatiles

Lot-Sample #....: I4C300228-037 Work Order #....: GC7K11AL Matrix.....: SOLID
Date Sampled....: 03/23/04 11:00 Date Received...: 03/30/04 MS Run #.....: 4092050
Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
Prep Batch #....: 4091424 Analysis Time...: 08:44
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	22	15	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	81	(39 - 139)
Dotriacontane	464 *	(13 - 161)

NOTE(S) :

* Surrogate recovery is outside stated control limits.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBSB-L 1-1.5'

TOTAL Metals

Lot-Sample #....: I4C300228-037

Matrix.....: SOLID

Date Sampled....: 03/23/04 11:00 Date Received...: 03/30/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092199						
Silver	ND	0.74	mg/kg	SW846 6010B	03/31-04/01/04	GC7K11AJ
		Dilution Factor: 0.74		Analysis Time...: 18:41	MS Run #.....: 4092080	
Arsenic	3.2	0.74	mg/kg	SW846 6010B	03/31-04/01/04	GC7K11AD
		Dilution Factor: 0.74		Analysis Time...: 18:41	MS Run #.....: 4092080	
Barium	102	14.8	mg/kg	SW846 6010B	03/31-04/01/04	GC7K11AE
		Dilution Factor: 0.74		Analysis Time...: 18:41	MS Run #.....: 4092080	
Cadmium	ND	0.37	mg/kg	SW846 6010B	03/31-04/01/04	GC7K11AF
		Dilution Factor: 0.74		Analysis Time...: 18:41	MS Run #.....: 4092080	
Chromium	10.8	0.74	mg/kg	SW846 6010B	03/31-04/01/04	GC7K11AK
		Dilution Factor: 0.74		Analysis Time...: 18:41	MS Run #.....: 4092080	
Lead	5.5	0.22	mg/kg	SW846 6010B	03/31-04/01/04	GC7K11AG
		Dilution Factor: 0.74		Analysis Time...: 18:41	MS Run #.....: 4092080	
Selenium	ND	0.37	mg/kg	SW846 6010B	03/31-04/01/04	GC7K11AH
		Dilution Factor: 0.74		Analysis Time...: 18:41	MS Run #.....: 4092080	
Prep Batch #...: 4097173						
Mercury	ND	0.10	mg/kg	SW846 7471A	04/06-04/07/04	GC7K11AA
		Dilution Factor: 1		Analysis Time...: 16:03	MS Run #.....: 4097046	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-5

GC Volatiles

Lot-Sample #....: I4C300228-038 Work Order #....: GC7LP1AF Matrix.....: WATER
Date Sampled....: 03/26/04 15:11 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 16:09
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	1.6	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-5

GC Volatiles

Lot-Sample #....: I4C300228-038 Work Order #....: GC7LP1AC Matrix.....: WATER
Date Sampled....: 03/26/04 15:11 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 16:12
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	99	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-5

GC Volatiles

Lot-Sample #....: I4C300228-038 Work Order #....: GC7LP1AA Matrix.....: WATER
Date Sampled....: 03/26/04 15:11 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 16:12
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-5

General Chemistry

Lot-Sample #....: I4C300228-038 Work Order #....: GC7LP
Date Sampled....: 03/26/04 15:11 Date Received...: 03/30/04

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	16.9	2.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 20		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	1550	100	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 100		Analysis Time...: 15:07	MS Run #.....: 4098093	
Total Alkalinity	173	5.0	mg/L	MCAWW 310.1	04/06/04	4097275
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4097120	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-4

GC Volatiles

Lot-Sample #....: I4C300228-039 Work Order #....: GC7MG1AF Matrix.....: WATER
Date Sampled....: 03/26/04 15:51 Date Received...: 03/30/04 MS Run #.....: 4097115
Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
Prep Batch #....: 4097270 Analysis Time...: 13:41
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	0.68	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-4

GC Volatiles

Lot-Sample #....: I4C300228-039 Work Order #....: GC7MG1AC Matrix.....: WATER
Date Sampled....: 03/26/04 15:51 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 16:41
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-4

GC Volatiles

Lot-Sample #....: I4C300228-039 Work Order #....: GC7MG1AA Matrix.....: WATER
Date Sampled....: 03/26/04 15:51 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 16:41
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-4

General Chemistry

Lot-Sample #....: I4C300228-039 Work Order #....: GC7MG Matrix.....: WATER
Date Sampled....: 03/26/04 15:51 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	3.9	0.20	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 2		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	1230	100	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 100		Analysis Time...: 15:20	MS Run #.....: 4098093	
Total Alkalinity	249	5.0	mg/L	MCAWW 310.1	04/06/04	4097275
		Dilution Factor: 1		Analysis Time...: 10:00	MS Run #.....: 4097120	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-2

GC Volatiles

Lot-Sample #....: I4C300228-040 Work Order #....: GC7MK1AF Matrix.....: WATER
Date Sampled....: 03/26/04 15:01 Date Received...: 03/30/04 MS Run #.....: 4097115
Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
Prep Batch #....: 4097270 Analysis Time...: 14:20
Dilution Factor: 1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	0.52	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-2

GC Volatiles

Lot-Sample #....: I4C300228-040 Work Order #....: GC7MK1AC Matrix.....: WATER
Date Sampled....: 03/26/04 15:01 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 17:09
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	98	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-2

GC Volatiles

Lot-Sample #....: I4C300228-040 Work Order #....: GC7MK1AA Matrix.....: WATER
Date Sampled....: 03/26/04 15:01 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 17:09
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-2

General Chemistry

Lot-Sample #....: I4C300228-040 Work Order #....: GC7MK Matrix.....: WATER
Date Sampled....: 03/26/04 15:01 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	48.5	5.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 50		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	1570	100	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 100		Analysis Time...: 15:33	MS Run #.....: 4098093	
Total Alkalinity	216	5.0	mg/L	MCAWW 310.1	04/06/04	4097275
		Dilution Factor: 1		Analysis Time...: 10:00	MS Run #.....: 4097120	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-6

GC Volatiles

Lot-Sample #....: I4C300228-041 Work Order #....: GC7MN1AF Matrix.....: WATER
Date Sampled....: 03/26/04 15:32 Date Received...: 03/30/04 MS Run #.....: 4097115
Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
Prep Batch #....: 4097270 Analysis Time...: 15:31
Dilution Factor: 1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	0.64	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-6

GC Volatiles

Lot-Sample #....: I4C300228-041 Work Order #....: GC7MN1AC Matrix.....: WATER
Date Sampled....: 03/26/04 15:32 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 17:37
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-6

GC Volatiles

Lot-Sample #....: I4C300228-041 Work Order #....: GC7MN1AA Matrix.....: WATER
Date Sampled....: 03/26/04 15:32 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 17:37
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-6

General Chemistry

Lot-Sample #....: I4C300228-041 Work Order #....: GC7MN Matrix.....: WATER
Date Sampled....: 03/26/04 15:32 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	5.8	1.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 10		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	1300	100	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 100		Analysis Time...: 15:47	MS Run #.....: 4098093	
Total Alkalinity	230	5.0	mg/L	MCAWW 310.1	04/06/04	4097275
		Dilution Factor: 1		Analysis Time...: 10:00	MS Run #.....: 4097120	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-3

GC Volatiles

Lot-Sample #....: I4C300228-042 Work Order #....: GC7NQ1AF Matrix.....: WATER
Date Sampled....: 03/26/04 14:51 Date Received...: 03/30/04 MS Run #.....: 4097115
Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
Prep Batch #....: 4097270 Analysis Time...: 15:57
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	ND	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-3

GC Volatiles

Lot-Sample #....: I4C300228-042 Work Order #....: GC7NQ1AC Matrix.....: WATER
Date Sampled....: 03/26/04 14:51 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 18:05
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-3

GC Volatiles

Lot-Sample #....: I4C300228-042 Work Order #....: GC7NQ1AA Matrix.....: WATER
Date Sampled....: 03/26/04 14:51 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 18:05
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: PCAMW-3

General Chemistry

Lot-Sample #....: I4C300228-042 Work Order #....: GC7NQ Matrix.....: WATER
Date Sampled....: 03/26/04 14:51 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	10.3	1.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 10		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	1240	100	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 100		Analysis Time...: 16:00	MS Run #.....: 4098093	
Total Alkalinity	305	5.0	mg/L	MCAWW 310.1	04/06/04	4097275
		Dilution Factor: 1		Analysis Time...: 10:00	MS Run #.....: 4097120	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-A

GC Volatiles

Lot-Sample #....: I4C300228-043 Work Order #....: GC7N01AC Matrix.....: WATER
Date Sampled....: 03/26/04 16:32 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 18:34
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-A

GC Volatiles

Lot-Sample #....: I4C300228-043 Work Order #....: GC7N01AA Matrix.....: WATER
Date Sampled....: 03/26/04 16:32 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 18:34
Dilution Factor: 1 Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-A

TOTAL Metals

Lot-Sample #...: I4C300228-043

Matrix.....: WATER

Date Sampled...: 03/26/04 16:32 Date Received...: 03/30/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GC7N01AL
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4092218	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-A

DISSOLVED Metals

Lot-Sample #...: I4C300228-043

Matrix.....: WATER

Date Sampled...: 03/26/04 16:32 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4100141						
Silver	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC7N01AR
		Dilution Factor: 1		Analysis Time...: 11:35	MS Run #.....: 4100025	
Arsenic	0.021	0.010	mg/L	SW846 6010B	04/09/04	GC7N01AT
		Dilution Factor: 1		Analysis Time...: 11:35	MS Run #.....: 4100025	
Barium	ND	0.20	mg/L	SW846 6010B	04/09/04	GC7N01AU
		Dilution Factor: 1		Analysis Time...: 11:35	MS Run #.....: 4100025	
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/09/04	GC7N01AV
		Dilution Factor: 1		Analysis Time...: 11:35	MS Run #.....: 4100025	
Chromium	0.0052	0.0050	mg/L	SW846 6010B	04/09/04	GC7N01AW
		Dilution Factor: 1		Analysis Time...: 11:35	MS Run #.....: 4100025	
Lead	0.010	0.0030	mg/L	SW846 6010B	04/09/04	GC7N01AX
		Dilution Factor: 1		Analysis Time...: 11:35	MS Run #.....: 4100025	
Selenium	0.031	0.0050	mg/L	SW846 6010B	04/09/04	GC7N01A0
		Dilution Factor: 1		Analysis Time...: 11:35	MS Run #.....: 4100025	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-A

General Chemistry

Lot-Sample #...: I4C300228-043 Work Order #...: GC7N0 Matrix.....: WATER
Date Sampled...: 03/26/04 16:32 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	10.2	1.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 10		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	2280	100	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 100		Analysis Time...: 16:13	MS Run #.....: 4098093	
Total Alkalinity	ND	5.0	mg/L	MCAWW 310.1	04/06/04	4097275
		Dilution Factor: 1		Analysis Time...: 10:00	MS Run #.....: 4097120	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMSEY MW-6

GC Volatiles

Lot-Sample #....: I4C300228-044 Work Order #....: GC7P01AC Matrix.....: WATER
Date Sampled....: 03/26/04 17:30 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 19:02
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	96	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMSEY MW-6

GC Volatiles

Lot-Sample #....: I4C300228-044 Work Order #....: GC7P01AA Matrix.....: WATER
Date Sampled...: 03/26/04 17:30 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 19:02
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMSEY MW-6

TOTAL Metals

Lot-Sample #...: I4C300228-044

Matrix.....: WATER

Date Sampled...: 03/26/04 17:30 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GC7P01AL
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4092218	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMSEY MW-6

DISSOLVED Metals

Lot-Sample #...: I4C300228-044

Matrix.....: WATER

Date Sampled...: 03/26/04 17:30 Date Received...: 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4100141						
Silver	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC7P01AM
		Dilution Factor: 1		Analysis Time...: 11:41	MS Run #.....: 4100025	
Arsenic	ND	0.010	mg/L	SW846 6010B	04/09/04	GC7P01AN
		Dilution Factor: 1		Analysis Time...: 11:41	MS Run #.....: 4100025	
Barium	ND	0.20	mg/L	SW846 6010B	04/09/04	GC7P01AP
		Dilution Factor: 1		Analysis Time...: 11:41	MS Run #.....: 4100025	
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/09/04	GC7P01AQ
		Dilution Factor: 1		Analysis Time...: 11:41	MS Run #.....: 4100025	
Chromium	ND	0.0050	mg/L	SW846 6010B	04/09/04	GC7P01AR
		Dilution Factor: 1		Analysis Time...: 11:41	MS Run #.....: 4100025	
Lead	ND	0.0030	mg/L	SW846 6010B	04/09/04	GC7P01AT
		Dilution Factor: 1		Analysis Time...: 11:41	MS Run #.....: 4100025	
Selenium	0.034	0.0050	mg/L	SW846 6010B	04/09/04	GC7P01AU
		Dilution Factor: 1		Analysis Time...: 11:41	MS Run #.....: 4100025	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-E

GC Volatiles

Lot-Sample #....: I4C300228-045 Work Order #....: GC7QE1AC Matrix.....: WATER
Date Sampled....: 03/26/04 17:21 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 19:30
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	101	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-E

GC Volatiles

Lot-Sample #....: I4C300228-045 Work Order #....: GC7QE1AA Matrix.....: WATER
Date Sampled....: 03/26/04 17:21 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 19:30
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	103	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-B

GC Volatiles

Lot-Sample #....: I4C300228-046 Work Order #....: GC7QP1AC Matrix.....: WATER
Date Sampled....: 03/26/04 16:45 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 23:45
Dilution Factor: 5
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	3400	500	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	101	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-B

GC Volatiles

Lot-Sample #.... I4C300228-046 Work Order #.... GC7QP1AA Matrix.....: WATER
Date Sampled.... 03/26/04 16:45 Date Received... 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date... 04/05/04
Prep Batch #.... 4097248 Analysis Time... 23:45
Dilution Factor: 5
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	400	5.0	ug/L
Ethylbenzene	67	5.0	ug/L
Toluene	ND	5.0	ug/L
Xylenes (total)	150	15	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	107	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-F

GC Volatiles

Lot-Sample #....: I4C300228-047 Work Order #....: GC7QV1AF Matrix.....: WATER
Date Sampled....: 03/26/04 17:00 Date Received...: 03/30/04 MS Run #.....: 4097115
Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
Prep Batch #....: 4097270 Analysis Time...: 16:16
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	3.6	0.50	ug/L

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-F

GC Volatiles

Lot-Sample #....: I4C300228-047 Work Order #....: GC7QV1AC Matrix.....: WATER
Date Sampled....: 03/26/04 17:00 Date Received...: 03/30/04 MS Run #.....: 4097096
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 19:59
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	98	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-F

GC Volatiles

Lot-Sample #....: I4C300228-047 Work Order #....: GC7QV1AA Matrix.....: WATER
Date Sampled....: 03/26/04 17:00 Date Received...: 03/30/04 MS Run #.....: 4097107
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 19:59
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	100	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: RAMMW-F

General Chemistry

Lot-Sample #...: I4C300228-047 Work Order #...: GC7QV Matrix.....: WATER
Date Sampled...: 03/26/04 17:00 Date Received...: 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	30.1	2.0	mg/L	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 20		Analysis Time...: 10:00	MS Run #.....: 4099133	
Sulfate	3370	100	mg/L	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 100		Analysis Time...: 16:53	MS Run #.....: 4098093	
Total Alkalinity	666	5.0	mg/L	MCAWW 310.1	04/06/04	4097275
		Dilution Factor: 1		Analysis Time...: 10:00	MS Run #.....: 4097120	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: ANTESWAB-1

GC Semivolatiles

Lot-Sample #....: I4C300228-048 Work Order #....: GC7Q01AA Matrix.....: WIPE
Date Sampled....: 03/23/04 08:49 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4092416 Analysis Time...: 22:52
Dilution Factor: 1
Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/wipe
Aroclor 1221	ND	1.0	ug/wipe
Aroclor 1232	ND	1.0	ug/wipe
Aroclor 1242	ND	1.0	ug/wipe
Aroclor 1248	ND	1.0	ug/wipe
Aroclor 1254	ND	1.0	ug/wipe
Aroclor 1260	ND	1.0	ug/wipe

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Tetrachloro-m-xylene	102	(70 - 130)
Decachlorobiphenyl	110	(70 - 130)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: ANTESWAB-2

GC Semivolatiles

Lot-Sample #....: I4C300228-049 Work Order #....: GC7RC1AA Matrix.....: WIPE
Date Sampled....: 03/23/04 08:49 Date Received...: 03/30/04 MS Run #.....:
Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
Prep Batch #....: 4092416 Analysis Time...: 23:13
Dilution Factor: 1
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	1.0	ug/wipe
Aroclor 1221	ND	1.0	ug/wipe
Aroclor 1232	ND	1.0	ug/wipe
Aroclor 1242	ND	1.0	ug/wipe
Aroclor 1248	ND	1.0	ug/wipe
Aroclor 1254	ND	1.0	ug/wipe
Aroclor 1260	51 COL	1.0	ug/wipe

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(70 - 130)
Decachlorobiphenyl	181 *	(70 - 130)

NOTE(S) :

* Surrogate recovery is outside stated control limits.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

Surrogates outside acceptance criteria due to demonstrated matrix effect.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: I4C300228
 MB Lot-Sample #: I4D060000-412

Work Order #....: GDL1V1AA

Matrix.....: WATER

Analysis Date...: 04/04/04
 Dilution Factor: 1

Prep Date.....: 04/04/04

Analysis Time...: 20:58

Prep Batch #....: 4097412

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	1.0	ug/L	SW846	8260B
Bromobenzene	ND	1.0	ug/L	SW846	8260B
Bromochloromethane	ND	1.0	ug/L	SW846	8260B
Bromodichloromethane	ND	1.0	ug/L	SW846	8260B
Bromoform	ND	1.0	ug/L	SW846	8260B
Bromomethane	ND	2.0	ug/L	SW846	8260B
n-Butylbenzene	ND	1.0	ug/L	SW846	8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846	8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846	8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846	8260B
Chlorobenzene	ND	1.0	ug/L	SW846	8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846	8260B
Chloroethane	ND	2.0	ug/L	SW846	8260B
Chloroform	ND	1.0	ug/L	SW846	8260B
Chloromethane	ND	2.0	ug/L	SW846	8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846	8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846	8260B
1,2-Dibromo-3-chloro- propane	ND	2.0	ug/L	SW846	8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846	8260B
Dibromomethane	ND	1.0	ug/L	SW846	8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846	8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846	8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846	8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846	8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846	8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846	8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846	8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846	8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846	8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846	8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846	8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846	8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846	8260B
Ethylbenzene	ND	1.0	ug/L	SW846	8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846	8260B
Isopropylbenzene	ND	1.0	ug/L	SW846	8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846	8260B
Methylene chloride	ND	1.0	ug/L	SW846	8260B
Naphthalene	ND	2.0	ug/L	SW846	8260B
n-Propylbenzene	ND	1.0	ug/L	SW846	8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: I4C300228

Work Order #....: GDL1V1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	2.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
4-Bromofluorobenzene	95		(75 - 135)	
Toluene-d8	98		(91 - 128)	
Dibromofluoromethane	97		(61 - 125)	
1,2-Dichloroethane-d4	93		(57 - 116)	

NOTE(S) :

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

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: I4C300228
 MB Lot-Sample #: I4C310000-417

Work Order #....: GC9GL1AA

Matrix.....: WATER

Analysis Date...: 04/05/04
 Dilution Factor: 1

Prep Date.....: 03/31/04

Analysis Time...: 15:04

Prep Batch #....: 4091417

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Acenaphthene	ND	10	ug/L	SW846	8270C
Acenaphthylene	ND	10	ug/L	SW846	8270C
Anthracene	ND	10	ug/L	SW846	8270C
Benz(a)anthracene	ND	10	ug/L	SW846	8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846	8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846	8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846	8270C
Benzo(a)pyrene	ND	10	ug/L	SW846	8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846	8270C
bis(2-Chloroethyl)- ether	ND	10	ug/L	SW846	8270C
bis(2-Chloroisopropyl) ether	ND	10	ug/L	SW846	8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846	8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846	8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846	8270C
4-Chloroaniline	ND	10	ug/L	SW846	8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846	8270C
2-Chloronaphthalene	ND	10	ug/L	SW846	8270C
2-Chlorophenol	ND	10	ug/L	SW846	8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846	8270C
Chrysene	ND	10	ug/L	SW846	8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846	8270C
Dibenzofuran	ND	10	ug/L	SW846	8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846	8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846	8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846	8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846	8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846	8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846	8270C
Diethyl phthalate	ND	10	ug/L	SW846	8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846	8270C
Dimethyl phthalate	ND	10	ug/L	SW846	8270C
4,6-Dinitro- 2-methylphenol	ND	50	ug/L	SW846	8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846	8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846	8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: I4C300228

Work Order #....: GC9GL1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta- diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	20	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl- amine	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro- benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro- phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro- phenol	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	89	(60 - 110)
2-Fluorobiphenyl	91	(59 - 117)
Terphenyl-d14	93	(63 - 120)
2-Fluorophenol	84	(38 - 122)
Phenol-d5	90	(36 - 124)
2,4,6-Tribromophenol	102	(52 - 133)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: I4C300228 Work Order #....: GC9GL1AA Matrix.....: WATER

NOTE(S) :

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

@ - Result quantitated against a one point calibration at or below the reporting limit.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4C300228
MB Lot-Sample #: I4D060000-209

Work Order #...: GDK181AA

Matrix.....: WATER

Analysis Date...: 04/02/04
Dilution Factor: 1

Prep Date.....: 04/02/04

Analysis Time...: 23:09

Prep Batch #...: 4097209

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Methane	ND	0.50	ug/L	RSK SOP-175

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDK801AA Matrix.....: WATER
MB Lot-Sample #: I4D060000-270 Prep Date.....: 04/04/04 Analysis Time...: 13:01
Analysis Date...: 04/04/04 Prep Batch #....: 4097270
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Methane	ND	0.50	ug/L	RSK SOP-175

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4C300228
MB Lot-Sample #: I4D020000-410

Work Order #....: GDFMM1AA

Matrix.....: WATER

Analysis Date...: 04/01/04
Dilution Factor: 1

Prep Date.....: 04/01/04

Analysis Time...: 14:08

Prep Batch #....: 4093410

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Gasoline Range Organics	ND	100	ug/L	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO	99	(75 - 122)

NOTE (S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDK6A1AA Matrix.....: WATER
MB Lot-Sample #: I4D060000-235 Prep Date.....: 04/05/04 Analysis Time...: 13:42
Analysis Date...: 04/05/04 Prep Batch #....: 4097235
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Gasoline Range Organics	ND	100	ug/L	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO	97	(75 - 122)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4C300228
MB Lot-Sample #: I4D020000-419

Work Order #...: GDFQP1AA

Matrix.....: WATER

Analysis Date...: 04/01/04
Dilution Factor: 1

Prep Date.....: 04/01/04
Prep Batch #...: 4093419

Analysis Time...: 14:08

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	1.8	1.0	ug/L		SW846 8021B
Ethylbenzene	ND	1.0	ug/L		SW846 8021B
Toluene	ND	1.0	ug/L		SW846 8021B
Xylenes (total)	ND	3.0	ug/L		SW846 8021B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Bromofluorobenzene	98		(81 - 119)		
a, a, a-Trifluorotoluene (TFT)	97		(73 - 135)		

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4C300228
MB Lot-Sample #: I4D020000-419

Work Order #...: GDFQP1AE

Matrix.....: WATER

Analysis Date...: 04/02/04
Dilution Factor: 1

Prep Date.....: 04/01/04

Analysis Time...: 02:41

Prep Batch #...: 4093419

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	92	(73 - 135)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4C300228
MB Lot-Sample #: I4D050000-214
Analysis Date...: 04/02/04
Dilution Factor: 1

Work Order #...: GDH3X1AA
Prep Date.....: 04/02/04
Prep Batch #...: 4096214

Matrix.....: SOLID
Analysis Time...: 13:54

		REPORTING		
<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Benzene	ND	5.0	ug/kg	SW846 8021B
Ethylbenzene	ND	5.0	ug/kg	SW846 8021B
Toluene	ND	5.0	ug/kg	SW846 8021B
Xylenes (total)	ND	5.0	ug/kg	SW846 8021B
		PERCENT	RECOVERY	
<u>SURROGATE</u>		<u>RECOVERY</u>	<u>LIMITS</u>	
Bromofluorobenzene	92		(41 - 150)	
a,a,a-Trifluorotoluene (TFT)	100		(43 - 165)	

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4C300228
MB Lot-Sample #: I4D060000-248

Work Order #....: GDK7T1AA

Matrix.....: WATER

Prep Date.....: 04/05/04

Analysis Time...: 13:42

Analysis Date...: 04/05/04

Prep Batch #....: 4097248

Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	102	(73 - 135)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4C300228
MB Lot-Sample #: I4D060000-395

Work Order #....: GDL0F1AA

Matrix.....: WATER

Analysis Date...: 04/05/04
Dilution Factor: 1

Prep Date.....: 04/05/04
Prep Batch #....: 4097395

Analysis Time...: 14:26

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B
SURROGATE	PERCENT	RECOVERY		
	RECOVERY	LIMITS		
Bromofluorobenzene	91	(81 - 119)		
a, a, a-Trifluorotoluene (TFT)	97	(73 - 135)		

NOTE(S) :

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I4C300228
MB Lot-Sample #: I4C310000-424

Work Order #...: GDARA1AA

Matrix.....: SOLID

Analysis Date...: 04/07/04
Dilution Factor: 1

Prep Date.....: 03/31/04

Analysis Time...: 21:12

Prep Batch #...: 4091424

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Diesel Range Organics	ND	15	mg/kg	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	55	(39 - 139)
Dotriacontane	66	(13 - 161)

NOTE(S) :

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I4C300228
MB Lot-Sample #: I4D010000-416

Work Order #...: GDCV41AA

Matrix.....: WIPE

Analysis Date...: 04/02/04

Prep Date.....: 04/01/04

Analysis Time...: 20:02

Dilution Factor: 1

Prep Batch #...: 4092416

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/wipe	SW846 8082
Aroclor 1221	ND	1.0	ug/wipe	SW846 8082
Aroclor 1232	ND	1.0	ug/wipe	SW846 8082
Aroclor 1242	ND	1.0	ug/wipe	SW846 8082
Aroclor 1248	ND	1.0	ug/wipe	SW846 8082
Aroclor 1254	ND	1.0	ug/wipe	SW846 8082
Aroclor 1260	ND	1.0	ug/wipe	SW846 8082

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	107	(70 - 130)
Decachlorobiphenyl	110	(70 - 130)

NOTE(S) :

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I4C300228

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I4D010000-199 Prep Batch #...: 4092199						
Arsenic	ND	1.0	mg/kg	SW846 6010B	03/31-04/01/04	GDAWH1AA
		Dilution Factor: 1				
		Analysis Time...: 15:53				
Barium	ND	20.0	mg/kg	SW846 6010B	03/31-04/01/04	GDAWH1AC
		Dilution Factor: 1				
		Analysis Time...: 15:53				
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/31-04/01/04	GDAWH1AD
		Dilution Factor: 1				
		Analysis Time...: 15:53				
Chromium	ND	1.0	mg/kg	SW846 6010B	03/31-04/01/04	GDAWH1AH
		Dilution Factor: 1				
		Analysis Time...: 15:53				
Lead	ND	0.30	mg/kg	SW846 6010B	03/31-04/02/04	GDAWH1AE
		Dilution Factor: 1				
		Analysis Time...: 10:27				
Selenium	ND	0.50	mg/kg	SW846 6010B	03/31-04/01/04	GDAWH1AF
		Dilution Factor: 1				
		Analysis Time...: 15:53				
Silver	ND	1.0	mg/kg	SW846 6010B	03/31-04/01/04	GDAWH1AG
		Dilution Factor: 1				
		Analysis Time...: 15:53				
MB Lot-Sample #: I4D060000-173 Prep Batch #...: 4097173						
Mercury	ND	0.10	mg/kg	SW846 7471A	04/06-04/07/04	GDKXD1AA
		Dilution Factor: 1				
		Analysis Time...: 15:30				

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I4C300228

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I4D010000-430 Prep Batch #...: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GDDAV1AA
		Dilution Factor: 1				
		Analysis Time... 00:00				

NOTE(S) :

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: I4C300228

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I4D090000-141 Prep Batch #...: 4100141						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/09/04	GDVCK1AC
		Dilution Factor: 1				
		Analysis Time...: 10:06				
Barium	ND	0.20	mg/L	SW846 6010B	04/09/04	GDVCK1AD
		Dilution Factor: 1				
		Analysis Time...: 10:06				
Cadmium	ND	0.0020	mg/L	SW846 6010B	04/09/04	GDVCK1AE
		Dilution Factor: 1				
		Analysis Time...: 10:06				
Chromium	ND	0.0050	mg/L	SW846 6010B	04/09/04	GDVCK1AF
		Dilution Factor: 1				
		Analysis Time...: 10:06				
Lead	ND	0.0030	mg/L	SW846 6010B	04/09/04	GDVCK1AG
		Dilution Factor: 1				
		Analysis Time...: 10:06				
Selenium	ND	0.0050	mg/L	SW846 6010B	04/09/04	GDVCK1AH
		Dilution Factor: 1				
		Analysis Time...: 10:06				
Silver	ND	0.0050	mg/L	SW846 6010B	04/09/04	GDVCK1AA
		Dilution Factor: 1				
		Analysis Time...: 10:06				

NOTE(S) :

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

METHOD BLANK REPORT

General Chemistry

Client Lot #....: I4C300228

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	Work Order #: GDRV01AA 1.0	mg/L	MB Lot-Sample #: I4D080000-353 MCAWW 300.0A	04/07/04	4099353
		Dilution Factor: 1 Analysis Time...: 09:09				
Nitrate-Nitrite	ND	Work Order #: GDRCR1AA 0.10	mg/L	MB Lot-Sample #: I4D080000-278 MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 1 Analysis Time...: 10:00				
Sulfate	ND	Work Order #: GDNPN1AA 1.0	mg/L	MB Lot-Sample #: I4D070000-195 MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 1 Analysis Time...: 08:52				
Total Alkalinity	ND	Work Order #: GDGX21AA 5.0	mg/L	MB Lot-Sample #: I4D030000-125 MCAWW 310.1	04/02/04	4094125
		Dilution Factor: 1 Analysis Time...: 14:00				
Total Alkalinity	ND	Work Order #: GDLA31AA 5.0	mg/L	MB Lot-Sample #: I4D060000-275 MCAWW 310.1	04/06/04	4097275
		Dilution Factor: 1 Analysis Time...: 10:00				

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I4C300228 Work Order #...: GDL1V1AD Matrix.....: WATER
 LCS Lot-Sample#: I4D060000-412
 Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
 Prep Batch #...: 4097412 Analysis Time...: 12:43
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	115	(75 - 131)	SW846 8260B
Bromobenzene	109	(70 - 130)	SW846 8260B
Bromochloromethane	90	(70 - 130)	SW846 8260B
Bromodichloromethane	92	(73 - 124)	SW846 8260B
Bromoform	85	(49 - 144)	SW846 8260B
Bromomethane	68	(20 - 126)	SW846 8260B
n-Butylbenzene	126	(61 - 144)	SW846 8260B
sec-Butylbenzene	118	(70 - 130)	SW846 8260B
tert-Butylbenzene	122	(70 - 130)	SW846 8260B
Carbon tetrachloride	121	(42 - 154)	SW846 8260B
Chlorobenzene	97	(84 - 112)	SW846 8260B
Chlorodibromomethane	89	(77 - 119)	SW846 8260B
Chloroethane	99	(46 - 139)	SW846 8260B
Chloroform	107	(69 - 129)	SW846 8260B
Chloromethane	79	(32 - 126)	SW846 8260B
2-Chlorotoluene	120	(70 - 130)	SW846 8260B
4-Chlorotoluene	119	(70 - 130)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	68 a	(70 - 130)	SW846 8260B
1,2-Dibromoethane	89	(70 - 130)	SW846 8260B
Dibromomethane	93	(70 - 130)	SW846 8260B
1,2-Dichlorobenzene	94	(71 - 111)	SW846 8260B
1,3-Dichlorobenzene	106	(77 - 112)	SW846 8260B
1,4-Dichlorobenzene	102	(79 - 113)	SW846 8260B
Dichlorodifluoromethane	59 a	(70 - 130)	SW846 8260B
1,1-Dichloroethane	111	(67 - 132)	SW846 8260B
1,2-Dichloroethane	102	(49 - 129)	SW846 8260B
1,1-Dichloroethene	113	(76 - 123)	SW846 8260B
cis-1,2-Dichloroethene	108	(70 - 124)	SW846 8260B
trans-1,2-Dichloroethene	113	(78 - 121)	SW846 8260B
1,2-Dichloropropane	96	(69 - 123)	SW846 8260B
1,3-Dichloropropane	93	(70 - 130)	SW846 8260B
2,2-Dichloropropane	126	(70 - 130)	SW846 8260B
1,1-Dichloropropene	114	(70 - 130)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: I4C300228
LCS Lot-Sample#: I4D060000-412

Work Order #....: GDL1V1AD

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Ethylbenzene	108	(75 - 132)	SW846 8260B
Hexachlorobutadiene	73	(70 - 130)	SW846 8260B
Isopropylbenzene	97	(75 - 118)	SW846 8260B
p-Isopropyltoluene	114	(70 - 130)	SW846 8260B
Methylene chloride	91	(74 - 113)	SW846 8260B
Naphthalene	53 a	(70 - 130)	SW846 8260B
n-Propylbenzene	121	(69 - 134)	SW846 8260B
Styrene	80	(74 - 111)	SW846 8260B
1,1,1,2-Tetrachloroethane	91	(70 - 130)	SW846 8260B
1,1,2,2-Tetrachloroethane	71	(64 - 109)	SW846 8260B
Tetrachloroethene	106	(73 - 134)	SW846 8260B
Toluene	110	(75 - 123)	SW846 8260B
1,2,3-Trichlorobenzene	52	(10 - 166)	SW846 8260B
1,2,4-Trichloro- benzene	56 a	(70 - 130)	SW846 8260B
1,1,1-Trichloroethane	117	(37 - 145)	SW846 8260B
1,1,2-Trichloroethane	84	(70 - 113)	SW846 8260B
Trichloroethene	104	(84 - 123)	SW846 8260B
Trichlorofluoromethane	146	(36 - 162)	SW846 8260B
1,2,3-Trichloropropane	98	(47 - 131)	SW846 8260B
1,2,4-Trimethylbenzene	120	(60 - 127)	SW846 8260B
1,3,5-Trimethylbenzene	119	(61 - 129)	SW846 8260B
Vinyl chloride	72	(55 - 119)	SW846 8260B
o-Xylene	92	(70 - 130)	SW846 8260B
m-Xylene & p-Xylene	204 a	(70 - 130)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	104	(75 - 135)
Toluene-d8	99	(91 - 128)
Dibromofluoromethane	93	(61 - 125)
1,2-Dichloroethane-d4	91	(57 - 116)

NOTE(S) :

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: I4C300228 Work Order #....: GDL1V1AD Matrix.....: WATER
 LCS Lot-Sample#: I4D060000-412
 Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
 Prep Batch #....: 4097412 Analysis Time...: 12:43
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	10.0	11.5	ug/L	115	SW846 8260B
Bromobenzene	10.0	10.9	ug/L	109	SW846 8260B
Bromochloromethane	10.0	8.96	ug/L	90	SW846 8260B
Bromodichloromethane	10.0	9.21	ug/L	92	SW846 8260B
Bromoform	10.0	8.48	ug/L	85	SW846 8260B
Bromomethane	10.0	6.84	ug/L	68	SW846 8260B
n-Butylbenzene	10.0	12.6	ug/L	126	SW846 8260B
sec-Butylbenzene	10.0	11.8	ug/L	118	SW846 8260B
tert-Butylbenzene	10.0	12.2	ug/L	122	SW846 8260B
Carbon tetrachloride	10.0	12.1	ug/L	121	SW846 8260B
Chlorobenzene	10.0	9.74	ug/L	97	SW846 8260B
Chlorodibromomethane	10.0	8.88	ug/L	89	SW846 8260B
Chloroethane	10.0	9.87	ug/L	99	SW846 8260B
Chloroform	10.0	10.7	ug/L	107	SW846 8260B
Chloromethane	10.0	7.87	ug/L	79	SW846 8260B
2-Chlorotoluene	10.0	12.0	ug/L	120	SW846 8260B
4-Chlorotoluene	10.0	11.9	ug/L	119	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	6.79 a	ug/L	68	SW846 8260B
1,2-Dibromoethane	10.0	8.87	ug/L	89	SW846 8260B
Dibromomethane	10.0	9.28	ug/L	93	SW846 8260B
1,2-Dichlorobenzene	10.0	9.44	ug/L	94	SW846 8260B
1,3-Dichlorobenzene	10.0	10.6	ug/L	106	SW846 8260B
1,4-Dichlorobenzene	10.0	10.2	ug/L	102	SW846 8260B
Dichlorodifluoromethane	10.0	5.94 a	ug/L	59	SW846 8260B
1,1-Dichloroethane	10.0	11.1	ug/L	111	SW846 8260B
1,2-Dichloroethane	10.0	10.2	ug/L	102	SW846 8260B
1,1-Dichloroethene	10.0	11.3	ug/L	113	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.8	ug/L	108	SW846 8260B
trans-1,2-Dichloroethene	10.0	11.3	ug/L	113	SW846 8260B
1,2-Dichloropropane	10.0	9.60	ug/L	96	SW846 8260B
1,3-Dichloropropane	10.0	9.27	ug/L	93	SW846 8260B
2,2-Dichloropropane	10.0	12.6	ug/L	126	SW846 8260B
1,1-Dichloropropene	10.0	11.4	ug/L	114	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I4C300228
LCS Lot-Sample#: I4D060000-412

Work Order #...: GDL1V1AD

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Ethylbenzene	10.0	10.8	ug/L	108	SW846 8260B
Hexachlorobutadiene	10.0	7.34	ug/L	73	SW846 8260B
Isopropylbenzene	10.0	9.67	ug/L	97	SW846 8260B
p-Isopropyltoluene	10.0	11.4	ug/L	114	SW846 8260B
Methylene chloride	10.0	9.11	ug/L	91	SW846 8260B
Naphthalene	10.0	5.29 a	ug/L	53	SW846 8260B
n-Propylbenzene	10.0	12.1	ug/L	121	SW846 8260B
Styrene	10.0	7.96	ug/L	80	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	9.14	ug/L	91	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	7.14	ug/L	71	SW846 8260B
Tetrachloroethene	10.0	10.6	ug/L	106	SW846 8260B
Toluene	10.0	11.0	ug/L	110	SW846 8260B
1,2,3-Trichlorobenzene	10.0	5.20	ug/L	52	SW846 8260B
1,2,4-Trichloro- benzene	10.0	5.57 a	ug/L	56	SW846 8260B
1,1,1-Trichloroethane	10.0	11.7	ug/L	117	SW846 8260B
1,1,2-Trichloroethane	10.0	8.41	ug/L	84	SW846 8260B
Trichloroethene	10.0	10.4	ug/L	104	SW846 8260B
Trichlorofluoromethane	10.0	14.6	ug/L	146	SW846 8260B
1,2,3-Trichloropropane	10.0	9.81	ug/L	98	SW846 8260B
1,2,4-Trimethylbenzene	10.0	12.0	ug/L	120	SW846 8260B
1,3,5-Trimethylbenzene	10.0	11.9	ug/L	119	SW846 8260B
Vinyl chloride	10.0	7.16	ug/L	72	SW846 8260B
o-Xylene	10.0	9.17	ug/L	92	SW846 8260B
m-Xylene & p-Xylene	10.0	20.4 a	ug/L	204	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	104	(75 - 135)
Toluene-d8	99	(91 - 128)
Dibromofluoromethane	93	(61 - 125)
1,2-Dichloroethane-d4	91	(57 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: I4C300228 Work Order #....: GC9GL1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C310000-417 GC9GL1AD-LCSD
 Prep Date.....: 03/31/04 Analysis Date...: 04/05/04
 Prep Batch #....: 4091417 Analysis Time...: 15:35
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	88	(64 - 111)			SW846 8270C
	89	(64 - 111)	0.99	(0-20)	SW846 8270C
Acenaphthylene	85	(63 - 109)			SW846 8270C
	86	(63 - 109)	0.99	(0-20)	SW846 8270C
Anthracene	87	(63 - 110)			SW846 8270C
	87	(63 - 110)	0.88	(0-20)	SW846 8270C
Benz(a)anthracene	91	(66 - 108)			SW846 8270C
	90	(66 - 108)	0.58	(0-20)	SW846 8270C
Benzo(b)fluoranthene	88	(53 - 107)			SW846 8270C
	91	(53 - 107)	3.4	(0-20)	SW846 8270C
Benzo(k)fluoranthene	91	(61 - 123)			SW846 8270C
	89	(61 - 123)	1.7	(0-20)	SW846 8270C
Benzo(ghi)perylene	80	(52 - 121)			SW846 8270C
	79	(52 - 121)	1.2	(0-20)	SW846 8270C
Benzo(a)pyrene	86	(60 - 112)			SW846 8270C
	86	(60 - 112)	0.020	(0-20)	SW846 8270C
bis(2-Chloroethoxy) methane	90	(65 - 107)			SW846 8270C
	91	(65 - 107)	1.3	(0-20)	SW846 8270C
bis(2-Chloroethyl)- ether	86	(59 - 101)			SW846 8270C
	84	(59 - 101)	2.1	(0-20)	SW846 8270C
bis(2-Chloroisopropyl) ether	84	(53 - 111)			SW846 8270C
	84	(53 - 111)	0.18	(0-20)	SW846 8270C
bis(2-Ethylhexyl) phthalate	91	(52 - 123)			SW846 8270C
	90	(52 - 123)	0.97	(0-20)	SW846 8270C
4-Bromophenyl phenyl ether	95	(66 - 114)			SW846 8270C
	100	(66 - 114)	5.6	(0-20)	SW846 8270C
Butyl benzyl phthalate	97	(65 - 110)			SW846 8270C
	96	(65 - 110)	0.63	(0-20)	SW846 8270C
4-Chloroaniline	89	(28 - 127)			SW846 8270C
	89	(28 - 127)	0.54	(0-20)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I4C300228 Work Order #...: GC9GL1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C310000-417 GC9GL1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Chloro-3-methylphenol	90	(61 - 118)			SW846 8270C
	91	(61 - 118)	0.52	(0-20)	SW846 8270C
2-Chloronaphthalene	91	(63 - 113)			SW846 8270C
	91	(63 - 113)	0.070	(0-20)	SW846 8270C
2-Chlorophenol	84	(63 - 110)			SW846 8270C
	84	(63 - 110)	0.19	(0-20)	SW846 8270C
4-Chlorophenyl phenyl ether	96	(65 - 113)			SW846 8270C
	97	(65 - 113)	1.6	(0-20)	SW846 8270C
Chrysene	92	(66 - 111)			SW846 8270C
	91	(66 - 111)	0.25	(0-20)	SW846 8270C
Dibenz (a,h) anthracene	81	(54 - 119)			SW846 8270C
	81	(54 - 119)	0.53	(0-20)	SW846 8270C
Dibenzofuran	90	(64 - 110)			SW846 8270C
	91	(64 - 110)	0.65	(0-20)	SW846 8270C
Di-n-butyl phthalate	87	(63 - 112)			SW846 8270C
	89	(63 - 112)	2.5	(0-20)	SW846 8270C
1,2-Dichlorobenzene	82	(61 - 106)			SW846 8270C
	82	(61 - 106)	0.41	(0-20)	SW846 8270C
1,3-Dichlorobenzene	84	(59 - 106)			SW846 8270C
	84	(59 - 106)	0.65	(0-20)	SW846 8270C
1,4-Dichlorobenzene	86	(60 - 105)			SW846 8270C
	84	(60 - 105)	1.7	(0-20)	SW846 8270C
3,3'-Dichlorobenzidine	63	(1.0 - 128)			SW846 8270C
	64	(1.0 - 128)	1.7	(0-20)	SW846 8270C
2,4-Dichlorophenol	91	(66 - 114)			SW846 8270C
	92	(66 - 114)	0.19	(0-20)	SW846 8270C
Diethyl phthalate	95	(57 - 113)			SW846 8270C
	90	(57 - 113)	5.4	(0-20)	SW846 8270C
2,4-Dimethylphenol	70	(27 - 99)			SW846 8270C
	66	(27 - 99)	6.7	(0-20)	SW846 8270C
Dimethyl phthalate	97	(60 - 116)			SW846 8270C
	98	(60 - 116)	0.96	(0-20)	SW846 8270C
4,6-Dinitro- 2-methylphenol	96	(60 - 141)			SW846 8270C
	101	(60 - 141)	5.8	(0-20)	SW846 8270C
2,4-Dinitrophenol	90	(52 - 132)			SW846 8270C
	97	(52 - 132)	7.9	(0-20)	SW846 8270C
2,4-Dinitrotoluene	96	(62 - 117)			SW846 8270C
	94	(62 - 117)	1.5	(0-20)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I4C300228 Work Order #...: GC9GL1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C310000-417 GC9GL1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,6-Dinitrotoluene	86	(59 - 114)			SW846 8270C
	83	(59 - 114)	3.8	(0-20)	SW846 8270C
Di-n-octyl phthalate	93	(53 - 117)			SW846 8270C
	94	(53 - 117)	1.1	(0-20)	SW846 8270C
Fluoranthene	88	(65 - 113)			SW846 8270C
	91	(65 - 113)	3.5	(0-20)	SW846 8270C
Fluorene	92	(60 - 113)			SW846 8270C
	92	(60 - 113)	0.25	(0-20)	SW846 8270C
Hexachlorobenzene	89	(66 - 115)			SW846 8270C
	94	(66 - 115)	4.8	(0-20)	SW846 8270C
Hexachlorobutadiene	89	(63 - 110)			SW846 8270C
	89	(63 - 110)	0.51	(0-20)	SW846 8270C
Hexachlorocyclopenta- diene	18	(1.0- 73)			SW846 8270C
	18	(1.0- 73)	2.5	(0-20)	SW846 8270C
Hexachloroethane	87	(59 - 105)			SW846 8270C
	86	(59 - 105)	1.0	(0-20)	SW846 8270C
Indeno(1,2,3-cd)pyrene	80	(55 - 119)			SW846 8270C
	80	(55 - 119)	0.090	(0-20)	SW846 8270C
Isophorone	87	(64 - 107)			SW846 8270C
	88	(64 - 107)	1.7	(0-20)	SW846 8270C
2-Methylnaphthalene	88	(60 - 116)			SW846 8270C
	89	(60 - 116)	1.4	(0-20)	SW846 8270C
2-Methylphenol	85	(60 - 108)			SW846 8270C
	84	(60 - 108)	0.50	(0-20)	SW846 8270C
Naphthalene	86	(65 - 106)			SW846 8270C
	86	(65 - 106)	0.64	(0-20)	SW846 8270C
2-Nitroaniline	91	(59 - 113)			SW846 8270C
	92	(59 - 113)	0.35	(0-20)	SW846 8270C
3-Nitroaniline	87	(29 - 158)			SW846 8270C
	85	(29 - 158)	2.9	(0-20)	SW846 8270C
4-Nitroaniline	88	(32 - 149)			SW846 8270C
	88	(32 - 149)	0.48	(0-20)	SW846 8270C
Nitrobenzene	86	(64 - 108)			SW846 8270C
	85	(64 - 108)	0.47	(0-20)	SW846 8270C
2-Nitrophenol	92	(67 - 115)			SW846 8270C
	92	(67 - 115)	0.020	(0-20)	SW846 8270C
4-Nitrophenol	79	(41 - 120)			SW846 8270C
	80	(41 - 120)	0.91	(0-20)	SW846 8270C
N-Nitrosodiphenylamine	70	(31 - 109)			SW846 8270C
	66	(31 - 109)	5.9	(0-20)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I4C300228 Work Order #...: GC9GL1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C310000-417 GC9GL1AD-LCSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
N-Nitrosodi-n-propyl-amine	88	(50 - 125)			SW846 8270C
	88	(50 - 125)	0.12	(0-20)	SW846 8270C
Pentachlorophenol	92	(47 - 129)			SW846 8270C
	96	(47 - 129)	4.7	(0-20)	SW846 8270C
Phenanthrene	88	(62 - 116)			SW846 8270C
	91	(62 - 116)	3.5	(0-20)	SW846 8270C
Phenol	95	(56 - 110)			SW846 8270C
	95	(56 - 110)	0.39	(0-20)	SW846 8270C
Pyrene	90	(66 - 109)			SW846 8270C
	88	(66 - 109)	2.5	(0-20)	SW846 8270C
1,2,4-Trichloro-benzene	87	(64 - 107)			SW846 8270C
	88	(64 - 107)	1.0	(0-20)	SW846 8270C
2,4,5-Trichloro-phenol	92	(61 - 121)			SW846 8270C
	92	(61 - 121)	0.33	(0-20)	SW846 8270C
2,4,6-Trichloro-phenol	95	(61 - 119)			SW846 8270C
	94	(61 - 119)	0.37	(0-20)	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	101	(65 - 117)
	101	(65 - 117)
2-Fluorobiphenyl	106	(63 - 119)
	106	(63 - 119)
Terphenyl-d14	109	(63 - 115)
	105	(63 - 115)
2-Fluorophenol	100	(64 - 112)
	99	(64 - 112)
Phenol-d5	105	(62 - 110)
	103	(62 - 110)
2,4,6-Tribromophenol	115	(64 - 132)
	119	(64 - 132)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: I4C300228 Work Order #....: GC9GL1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C310000-417 GC9GL1AD-LCSD
 Prep Date.....: 03/31/04 Analysis Date...: 04/05/04
 Prep Batch #....: 4091417 Analysis Time...: 15:35
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	88.2	ug/L	88		SW846 8270C
	100	89.0	ug/L	89	0.99	SW846 8270C
Acenaphthylene	100	85.1	ug/L	85		SW846 8270C
	100	85.9	ug/L	86	0.99	SW846 8270C
Anthracene	100	86.5	ug/L	87		SW846 8270C
	100	87.3	ug/L	87	0.88	SW846 8270C
Benz (a) anthracene	100	91.0	ug/L	91		SW846 8270C
	100	90.5	ug/L	90	0.58	SW846 8270C
Benzo (b) fluoranthene	100	87.8	ug/L	88		SW846 8270C
	100	90.8	ug/L	91	3.4	SW846 8270C
Benzo (k) fluoranthene	100	90.8	ug/L	91		SW846 8270C
	100	89.3	ug/L	89	1.7	SW846 8270C
Benzo (ghi) perylene	100	79.5	ug/L	80		SW846 8270C
	100	78.5	ug/L	79	1.2	SW846 8270C
Benzo (a) pyrene	100	86.2	ug/L	86		SW846 8270C
	100	86.2	ug/L	86	0.020	SW846 8270C
bis (2-Chloroethoxy) methane	100	89.7	ug/L	90		SW846 8270C
	100	90.9	ug/L	91	1.3	SW846 8270C
bis (2-Chloroethyl) - ether	100	86.3	ug/L	86		SW846 8270C
	100	84.5	ug/L	84	2.1	SW846 8270C
bis (2-Chloroisopropyl) ether	100	83.9	ug/L	84		SW846 8270C
	100	83.8	ug/L	84	0.18	SW846 8270C
bis (2-Ethylhexyl) phthalate	100	91.0	ug/L	91		SW846 8270C
	100	90.1	ug/L	90	0.97	SW846 8270C
4-Bromophenyl phenyl ether	100	95.0	ug/L	95		SW846 8270C
	100	100	ug/L	100	5.6	SW846 8270C
Butyl benzyl phthalate	100	96.9	ug/L	97		SW846 8270C
	100	96.3	ug/L	96	0.63	SW846 8270C
4-Chloroaniline	100	89.1	ug/L	89		SW846 8270C
	100	88.6	ug/L	89	0.54	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: I4C300228 Work Order #....: GC9GL1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C310000-417 GC9GL1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
4-Chloro-3-methylphenol	100	90.4	ug/L	90		SW846 8270C
	100	90.8	ug/L	91	0.52	SW846 8270C
2-Chloronaphthalene	100	90.8	ug/L	91		SW846 8270C
	100	90.7	ug/L	91	0.070	SW846 8270C
2-Chlorophenol	100	84.0	ug/L	84		SW846 8270C
	100	83.9	ug/L	84	0.19	SW846 8270C
4-Chlorophenyl phenyl ether	100	95.8	ug/L	96		SW846 8270C
	100	97.3	ug/L	97	1.6	SW846 8270C
Chrysene	100	91.7	ug/L	92		SW846 8270C
	100	91.4	ug/L	91	0.25	SW846 8270C
Dibenz (a, h) anthracene	100	80.5	ug/L	81		SW846 8270C
	100	80.9	ug/L	81	0.53	SW846 8270C
Dibenzofuran	100	90.0	ug/L	90		SW846 8270C
	100	90.6	ug/L	91	0.65	SW846 8270C
Di-n-butyl phthalate	100	86.7	ug/L	87		SW846 8270C
	100	88.9	ug/L	89	2.5	SW846 8270C
1,2-Dichlorobenzene	100	82.0	ug/L	82		SW846 8270C
	100	82.4	ug/L	82	0.41	SW846 8270C
1,3-Dichlorobenzene	100	84.3	ug/L	84		SW846 8270C
	100	83.8	ug/L	84	0.65	SW846 8270C
1,4-Dichlorobenzene	100	85.9	ug/L	86		SW846 8270C
	100	84.5	ug/L	84	1.7	SW846 8270C
3,3'-Dichlorobenzidine	100	62.9	ug/L	63		SW846 8270C
	100	64.0	ug/L	64	1.7	SW846 8270C
2,4-Dichlorophenol	100	91.4	ug/L	91		SW846 8270C
	100	91.6	ug/L	92	0.19	SW846 8270C
Diethyl phthalate	100	95.5	ug/L	95		SW846 8270C
	100	90.4	ug/L	90	5.4	SW846 8270C
2,4-Dimethylphenol	100	70.5	ug/L	70		SW846 8270C
	100	65.9	ug/L	66	6.7	SW846 8270C
Dimethyl phthalate	100	97.0	ug/L	97		SW846 8270C
	100	98.0	ug/L	98	0.96	SW846 8270C
4,6-Dinitro- 2-methylphenol	100	95.7	ug/L	96		SW846 8270C
	100	101	ug/L	101	5.8	SW846 8270C
2,4-Dinitrophenol	100	89.5	ug/L	90		SW846 8270C
	100	96.9	ug/L	97	7.9	SW846 8270C
2,4-Dinitrotoluene	100	95.5	ug/L	96		SW846 8270C
	100	94.1	ug/L	94	1.5	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I4C300228 Work Order #...: GC9GL1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C310000-417 GC9GL1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,6-Dinitrotoluene	100	86.1	ug/L	86		SW846 8270C
	100	82.9	ug/L	83	3.8	SW846 8270C
Di-n-octyl phthalate	100	93.4	ug/L	93		SW846 8270C
	100	94.4	ug/L	94	1.1	SW846 8270C
Fluoranthene	100	88.3	ug/L	88		SW846 8270C
	100	91.4	ug/L	91	3.5	SW846 8270C
Fluorene	100	92.0	ug/L	92		SW846 8270C
	100	92.2	ug/L	92	0.25	SW846 8270C
Hexachlorobenzene	100	89.2	ug/L	89		SW846 8270C
	100	93.6	ug/L	94	4.8	SW846 8270C
Hexachlorobutadiene	100	88.7	ug/L	89		SW846 8270C
	100	89.2	ug/L	89	0.51	SW846 8270C
Hexachlorocyclopenta- diene	100		ug/L	18		SW846 8270C
	100		ug/L	18	2.5	SW846 8270C
Hexachloroethane	100	86.7	ug/L	87		SW846 8270C
	100	85.8	ug/L	86	1.0	SW846 8270C
Indeno(1,2,3-cd)pyrene	100	80.0	ug/L	80		SW846 8270C
	100	79.9	ug/L	80	0.090	SW846 8270C
Isophorone	100	86.9	ug/L	87		SW846 8270C
	100	88.4	ug/L	88	1.7	SW846 8270C
2-Methylnaphthalene	100	88.0	ug/L	88		SW846 8270C
	100	89.2	ug/L	89	1.4	SW846 8270C
2-Methylphenol	100	84.6	ug/L	85		SW846 8270C
	100	84.2	ug/L	84	0.50	SW846 8270C
Naphthalene	100	85.8	ug/L	86		SW846 8270C
	100	86.4	ug/L	86	0.64	SW846 8270C
2-Nitroaniline	100	91.3	ug/L	91		SW846 8270C
	100	91.6	ug/L	92	0.35	SW846 8270C
3-Nitroaniline	100	87.1	ug/L	87		SW846 8270C
	100	84.6	ug/L	85	2.9	SW846 8270C
4-Nitroaniline	100	87.6	ug/L	88		SW846 8270C
	100	88.1	ug/L	88	0.48	SW846 8270C
Nitrobenzene	100	85.6	ug/L	86		SW846 8270C
	100	85.2	ug/L	85	0.47	SW846 8270C
2-Nitrophenol	100	92.3	ug/L	92		SW846 8270C
	100	92.2	ug/L	92	0.020	SW846 8270C
4-Nitrophenol	100	78.9	ug/L	79		SW846 8270C
	100	79.7	ug/L	80	0.91	SW846 8270C
N-Nitrosodiphenylamine	100	70.4	ug/L	70		SW846 8270C
	100	66.3	ug/L	66	5.9	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I4C300228 Work Order #...: GC9GL1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C310000-417 GC9GL1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
N-Nitrosodi-n-propyl-amine	100	88.5	ug/L	88		SW846 8270C
	100	88.4	ug/L	88	0.12	SW846 8270C
Pentachlorophenol	100	91.7	ug/L	92		SW846 8270C
	100	96.1	ug/L	96	4.7	SW846 8270C
Phenanthrene	100	88.2	ug/L	88		SW846 8270C
	100	91.3	ug/L	91	3.5	SW846 8270C
Phenol	100	95.5	ug/L	95		SW846 8270C
	100	95.1	ug/L	95	0.39	SW846 8270C
Pyrene	100	90.2	ug/L	90		SW846 8270C
	100	88.0	ug/L	88	2.5	SW846 8270C
1,2,4-Trichloro-benzene	100	87.2	ug/L	87		SW846 8270C
	100	88.1	ug/L	88	1.0	SW846 8270C
2,4,5-Trichloro-phenol	100	91.8	ug/L	92		SW846 8270C
	100	92.1	ug/L	92	0.33	SW846 8270C
2,4,6-Trichloro-phenol	100	94.7	ug/L	95		SW846 8270C
	100	94.3	ug/L	94	0.37	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	101	(65 - 117)
	101	(65 - 117)
2-Fluorobiphenyl	106	(63 - 119)
	106	(63 - 119)
Terphenyl-d14	109	(63 - 115)
	105	(63 - 115)
2-Fluorophenol	100	(64 - 112)
	99	(64 - 112)
Phenol-d5	105	(62 - 110)
	103	(62 - 110)
2,4,6-Tribromophenol	115	(64 - 132)
	119	(64 - 132)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I4C300228 Work Order #...: GDK181AE Matrix.....: WATER
LCS Lot-Sample#: I4D060000-209
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #...: 4097209 Analysis Time...: 23:13
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Methane	94	(57 - 118)	RSK SOP-175

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDK181AE Matrix.....: WATER
LCS Lot-Sample#: I4D060000-209
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4097209 Analysis Time...: 23:13
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Methane	17.3	16.3	ug/L	94	RSK SOP-175

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I4C300228 Work Order #...: GDK801AC Matrix.....: WATER
LCS Lot-Sample#: I4D060000-270
Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
Prep Batch #...: 4097270 Analysis Time...: 13:22
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>METHOD</u>
Methane	89	(57 - 118)	RSK SOP-175

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDK801AC Matrix.....: WATER
LCS Lot-Sample#: I4D060000-270
Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
Prep Batch #....: 4097270 Analysis Time...: 13:22
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Methane	18.1	16.1	ug/L	89	RSK SOP-175

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDFMM1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I4D020000-410 GDFMM1AD-LCSD
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #....: 4093410 Analysis Time...: 12:21
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	93	(85 - 115)			SW846 8015B
	88	(85 - 115)	6.1	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(81 - 123)
	82	(81 - 123)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: I4C300228 Work Order #...: GDFMM1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I4D020000-410 GDFMM1AD-LCSD
Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
Prep Batch #...: 4093410 Analysis Time...: 12:21
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Gasoline Range Organics	2000	1860	ug/L	93		SW846 8015B
	2000	1750	ug/L	88	6.1	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(81 - 123)
	82	(81 - 123)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDK6A1AD-LCS Matrix.....: WATER
LCS Lot-Sample#: I4D060000-235 GDK6A1AE-LCSD
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 12:58
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	91	(85 - 115)			SW846 8015B
	90	(85 - 115)	0.74	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(81 - 123)
	97	(81 - 123)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDK6A1AD-LCS Matrix.....: WATER
LCS Lot-Sample#: I4D060000-235 GDK6A1AE-LCSD
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097235 Analysis Time...: 12:58
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Gasoline Range Organics	2000	1820	ug/L	91		SW846 8015B
	2000	1810	ug/L	90	0.74	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	97	(81 - 123)
	97	(81 - 123)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDFQPIAC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4D020000-419 GDFQPIAD-LCSD
 Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
 Prep Batch #....: 4093419 Analysis Time...: 10:52
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	108	(85 - 115)			SW846 8021B
	106	(85 - 115)	1.8	(0-20)	SW846 8021B
Xylenes (total)	104	(85 - 115)			SW846 8021B
	99	(85 - 115)	5.1	(0-20)	SW846 8021B
Benzene	107	(85 - 115)			SW846 8021B
	108	(85 - 115)	0.68	(0-20)	SW846 8021B
Toluene	98	(85 - 115)			SW846 8021B
	95	(85 - 115)	3.5	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(85 - 111)
	99	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	97	(84 - 114)
	100	(84 - 114)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDFQP1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4D020000-419 GDFQP1AD-LCSD
 Prep Date.....: 04/01/04 Analysis Date...: 04/01/04
 Prep Batch #....: 4093419 Analysis Time...: 10:52
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethylbenzene	20.0	21.6	ug/L	108		SW846 8021B
	20.0	21.2	ug/L	106	1.8	SW846 8021B
Xylenes (total)	60.0	62.4	ug/L	104		SW846 8021B
	60.0	59.3	ug/L	99	5.1	SW846 8021B
Benzene	20.0	21.4	ug/L	107		SW846 8021B
	20.0	21.5	ug/L	108	0.68	SW846 8021B
Toluene	20.0	19.6	ug/L	98		SW846 8021B
	20.0	19.0	ug/L	95	3.5	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(85 - 111)
	99	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	97	(84 - 114)
	100	(84 - 114)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I4C300228 Work Order #...: GDH3X1AC Matrix.....: SOLID
LCS Lot-Sample#: I4D050000-214
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #...: 4096214 Analysis Time...: 10:48
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	95	(73 - 128)	SW846 8021B
Ethylbenzene	91	(73 - 136)	SW846 8021B
Toluene	94	(71 - 129)	SW846 8021B
Xylenes (total)	92	(74 - 130)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	93	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	101	(67 - 125)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDH3X1AC Matrix.....: SOLID
LCS Lot-Sample#: I4D050000-214
Prep Date.....: 04/02/04 Analysis Date...: 04/02/04
Prep Batch #....: 4096214 Analysis Time...: 10:48
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Benzene	20.0	19.0	ug/kg	95	SW846 8021B
Ethylbenzene	20.0	18.2	ug/kg	91	SW846 8021B
Toluene	20.0	18.9	ug/kg	94	SW846 8021B
Xylenes (total)	60.0	55.1	ug/kg	92	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	93	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	101	(67 - 125)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDK7T1AC Matrix.....: WATER
LCS Lot-Sample#: I4D060000-248
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097248 Analysis Time...: 11:23
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	99	(85 - 115)	SW846 8021B
Ethylbenzene	101	(85 - 115)	SW846 8021B
Toluene	107	(85 - 115)	SW846 8021B
Xylenes (total)	100	(85 - 115)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	102	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	103	(84 - 114)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDK7T1AC Matrix.....: WATER
 LCS Lot-Sample#: I4D060000-248
 Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
 Prep Batch #....: 4097248 Analysis Time...: 11:23
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Benzene	20.0	19.9	ug/L	99	SW846 8021B
Ethylbenzene	20.0	20.2	ug/L	101	SW846 8021B
Toluene	20.0	21.4	ug/L	107	SW846 8021B
Xylenes (total)	60.0	59.9	ug/L	100	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	102	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	103	(84 - 114)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDL0F1AC Matrix.....: WATER
LCS Lot-Sample#: I4D060000-395
Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
Prep Batch #....: 4097395 Analysis Time...: 10:26
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	99	(85 - 115)	SW846 8021B
Ethylbenzene	99	(85 - 115)	SW846 8021B
Toluene	91	(85 - 115)	SW846 8021B
Xylenes (total)	92	(85 - 115)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	94	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	95	(84 - 114)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GDL0F1AC Matrix.....: WATER
 LCS Lot-Sample#: I4D060000-395
 Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
 Prep Batch #....: 4097395 Analysis Time...: 10:26
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Benzene	20.0	19.8	ug/L	99	SW846 8021B
Ethylbenzene	20.0	19.9	ug/L	99	SW846 8021B
Toluene	20.0	18.2	ug/L	91	SW846 8021B
Xylenes (total)	60.0	55.5	ug/L	92	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	94	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	95	(84 - 114)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: I4C300228 Work Order #....: GDARA1AC Matrix.....: SOLID
LCS Lot-Sample#: I4C310000-424
Prep Date.....: 03/31/04 Analysis Date...: 04/07/04
Prep Batch #....: 4091424 Analysis Time...: 21:49
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	89	(38 - 139)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	77	(40 - 144)
Dotriacontane	95	(42 - 159)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: I4C300228 Work Order #...: GDARA1AC Matrix.....: SOLID
LCS Lot-Sample#: I4C310000-424
Prep Date.....: 03/31/04 Analysis Date...: 04/07/04
Prep Batch #...: 4091424 Analysis Time...: 21:49
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Diesel Range Organics	33.3	29.8	mg/kg	89	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	77	(40 - 144)
Dotriacontane	95	(42 - 159)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: I4C300228 Work Order #....: GDCV41AC-LCS Matrix.....: WIPE
 LCS Lot-Sample#: I4D010000-416 GDCV41AD-LCSD
 Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
 Prep Batch #....: 4092416 Analysis Time...: 20:23
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	123	(70 - 130)			SW846 8082
	124	(70 - 130)	0.93	(0-30)	SW846 8082
Aroclor 1260	127	(70 - 130)			SW846 8082
	127	(70 - 130)	0.050	(0-30)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	106	(70 - 130)
	106	(70 - 130)
Decachlorobiphenyl	109	(70 - 130)
	110	(70 - 130)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: I4C300228 Work Order #....: GDCV41AC-LCS Matrix.....: WIPE
 LCS Lot-Sample#: I4D010000-416 GDCV41AD-LCSD
 Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
 Prep Batch #....: 4092416 Analysis Time...: 20:23
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aroclor 1016	2.50	3.08	ug/wipe	123		SW846 8082
	2.50	3.11	ug/wipe	124	0.93	SW846 8082
Aroclor 1260	2.50	3.17	ug/wipe	127		SW846 8082
	2.50	3.17	ug/wipe	127	0.050	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(70 - 130)
	106	(70 - 130)
Decachlorobiphenyl	109	(70 - 130)
	110	(70 - 130)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I4C300228

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4D010000-199 Prep Batch #...: 4092199					
Arsenic	91	(80 - 120)	SW846 6010B	03/31-04/01/04	GDAWH1AJ
		Dilution Factor: 1		Analysis Time...: 15:59	
Barium	94	(80 - 120)	SW846 6010B	03/31-04/01/04	GDAWH1AK
		Dilution Factor: 1		Analysis Time...: 15:59	
Cadmium	93	(80 - 120)	SW846 6010B	03/31-04/01/04	GDAWH1AL
		Dilution Factor: 1		Analysis Time...: 15:59	
Lead	92	(80 - 120)	SW846 6010B	03/31-04/01/04	GDAWH1AM
		Dilution Factor: 1		Analysis Time...: 15:59	
Selenium	90	(80 - 120)	SW846 6010B	03/31-04/01/04	GDAWH1AN
		Dilution Factor: 1		Analysis Time...: 15:59	
Silver	95	(80 - 120)	SW846 6010B	03/31-04/01/04	GDAWH1AP
		Dilution Factor: 1		Analysis Time...: 15:59	
Chromium	91	(80 - 120)	SW846 6010B	03/31-04/01/04	GDAWH1AQ
		Dilution Factor: 1		Analysis Time...: 15:59	
LCS Lot-Sample#: I4D060000-173 Prep Batch #...: 4097173					
Mercury	104	(80 - 120)	SW846 7471A	04/06-04/07/04	GDKXD1AC
		Dilution Factor: 1		Analysis Time...: 15:32	

NOTE(S) :

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C300228

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4D010000-199 Prep Batch #....: 4092199							
Arsenic	50.0	45.6	mg/kg	91	SW846 6010B	03/31-04/01/04	GDAWH1AJ
			Dilution Factor: 1		Analysis Time...: 15:59		
Barium	50.0	46.9	mg/kg	94	SW846 6010B	03/31-04/01/04	GDAWH1AK
			Dilution Factor: 1		Analysis Time...: 15:59		
Cadmium	50.0	46.3	mg/kg	93	SW846 6010B	03/31-04/01/04	GDAWH1AL
			Dilution Factor: 1		Analysis Time...: 15:59		
Lead	50.0	46.0	mg/kg	92	SW846 6010B	03/31-04/01/04	GDAWH1AM
			Dilution Factor: 1		Analysis Time...: 15:59		
Selenium	50.0	44.8	mg/kg	90	SW846 6010B	03/31-04/01/04	GDAWH1AN
			Dilution Factor: 1		Analysis Time...: 15:59		
Silver	10.0	9.51	mg/kg	95	SW846 6010B	03/31-04/01/04	GDAWH1AP
			Dilution Factor: 1		Analysis Time...: 15:59		
Chromium	50.0	45.3	mg/kg	91	SW846 6010B	03/31-04/01/04	GDAWH1AQ
			Dilution Factor: 1		Analysis Time...: 15:59		
LCS Lot-Sample#: I4D060000-173 Prep Batch #....: 4097173							
Mercury	0.417	0.433	mg/kg	104	SW846 7471A	04/06-04/07/04	GDKXD1AC
			Dilution Factor: 1		Analysis Time...: 15:32		

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: I4C300228

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
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LCS Lot-Sample#: I4D010000-480 Prep Batch #....: 4092480

Mercury 101 (80 - 120) SW846 7470A 04/02/04 GDDAV1AC

Dilution Factor: 1 Analysis Time... 00:00

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C300228

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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LCS Lot-Sample#: I4D010000-480 Prep Batch #....: 4092480

Mercury 0.00500 0.00504 mg/L 101 SW846 7470A 04/02/04 GDDAV1AC

Dilution Factor: 1

Analysis Time... 00:00

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #....: I4C300228

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: I4D090000-141 Prep Batch #....: 4100141					
Silver	103	(80 - 120)	SW846 6010B	04/09/04	GDVCK1AJ
		Dilution Factor: 1	Analysis Time...: 10:12		
Arsenic	100	(80 - 120)	SW846 6010B	04/09/04	GDVCK1AK
		Dilution Factor: 1	Analysis Time...: 10:12		
Barium	100	(80 - 120)	SW846 6010B	04/09/04	GDVCK1AL
		Dilution Factor: 1	Analysis Time...: 10:12		
Cadmium	99	(80 - 120)	SW846 6010B	04/09/04	GDVCK1AM
		Dilution Factor: 1	Analysis Time...: 10:12		
Chromium	97	(80 - 120)	SW846 6010B	04/09/04	GDVCK1AN
		Dilution Factor: 1	Analysis Time...: 10:12		
Lead	101	(80 - 120)	SW846 6010B	04/09/04	GDVCK1AP
		Dilution Factor: 1	Analysis Time...: 10:12		
Selenium	104	(80 - 120)	SW846 6010B	04/09/04	GDVCK1AQ
		Dilution Factor: 1	Analysis Time...: 10:12		

NOTE (S) :

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: I4C300228

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4D090000-141 Prep Batch #...: 4100141							
Silver	0.100	0.103	mg/L	103	SW846 6010B	04/09/04	GDVCK1AJ
			Dilution Factor: 1		Analysis Time...: 10:12		
Arsenic	0.500	0.498	mg/L	100	SW846 6010B	04/09/04	GDVCK1AK
			Dilution Factor: 1		Analysis Time...: 10:12		
Barium	0.500	0.501	mg/L	100	SW846 6010B	04/09/04	GDVCK1AL
			Dilution Factor: 1		Analysis Time...: 10:12		
Cadmium	0.500	0.497	mg/L	99	SW846 6010B	04/09/04	GDVCK1AM
			Dilution Factor: 1		Analysis Time...: 10:12		
Chromium	0.500	0.487	mg/L	97	SW846 6010B	04/09/04	GDVCK1AN
			Dilution Factor: 1		Analysis Time...: 10:12		
Lead	0.500	0.504	mg/L	101	SW846 6010B	04/09/04	GDVCK1AP
			Dilution Factor: 1		Analysis Time...: 10:12		
Selenium	0.500	0.520	mg/L	104	SW846 6010B	04/09/04	GDVCK1AQ
			Dilution Factor: 1		Analysis Time...: 10:12		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #....: I4C300228

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #	
Total Alkalinity		WO#:GDGX21AC-LCS/GDGX21AD-LCSD LCS Lot-Sample#: I4D030000-125					
	95	(80 - 120)		MCAWW 310.1	04/02/04	4094125	
	95	(80 - 120)	0.31 (0-20)	MCAWW 310.1	04/02/04	4094125	
		Dilution Factor: 1		Analysis Time...: 14:00			
Total Alkalinity		WO#:GDLA31AC-LCS/GDLA31AD-LCSD LCS Lot-Sample#: I4D060000-275					
	97	(80 - 120)		MCAWW 310.1	04/06/04	4097275	
	100	(80 - 120)	3.3 (0-20)	MCAWW 310.1	04/06/04	4097275	
		Dilution Factor: 1		Analysis Time...: 10:00			

NOTE(S) :

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #....: I4C300228

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity						WO#:GDGX21AC-LCS/GDGX21AD-LCSD	LCS Lot-Sample#: I4D030000-125	
	100	95.3	mg/L	95		MCAWW 310.1	04/02/04	4094125
	100	95.0	mg/L	95	0.31	MCAWW 310.1	04/02/04	4094125
						Dilution Factor: 1	Analysis Time...: 14:00	
Total Alkalinity						WO#:GDLA31AC-LCS/GDLA31AD-LCSD	LCS Lot-Sample#: I4D060000-275	
	100	96.8	mg/L	97		MCAWW 310.1	04/06/04	4097275
	100	100	mg/L	100	3.3	MCAWW 310.1	04/06/04	4097275
						Dilution Factor: 1	Analysis Time...: 10:00	

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: I4C300228

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	97	Work Order #: GDRV01AC LCS Lot-Sample#: I4D080000-353 (85 - 106)	MCAWW 300.0A	04/07/04	4099353
		Dilution Factor: 1	Analysis Time...: 09:23		
Nitrate-Nitrite	98	Work Order #: GDRCR1AC LCS Lot-Sample#: I4D080000-278 (90 - 110)	MCAWW 353.2	04/08/04	4099278
		Dilution Factor: 1	Analysis Time...: 10:00		
Sulfate	96	Work Order #: GDNPN1AC LCS Lot-Sample#: I4D070000-195 (88 - 107)	MCAWW 300.0A	04/06/04	4098195
		Dilution Factor: 1	Analysis Time...: 09:06		

NOTE(S) :

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #....: I4C300228

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	3.00	2.91	mg/L	97	MCAWW 300.0A	04/07/04	4099353
				Dilution Factor: 1	Analysis Time...: 09:23		
Nitrate-Nitrite	1.00	0.978	mg/L	98	MCAWW 353.2	04/08/04	4099278
				Dilution Factor: 1	Analysis Time...: 10:00		
Sulfate	15.0	14.4	mg/L	96	MCAWW 300.0A	04/06/04	4098195
				Dilution Factor: 1	Analysis Time...: 09:06		

NOTE(S) :

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: I4C300228 Work Order #....: GC91K1AN-MS Matrix.....: WATER
 MS Lot-Sample #: I4C310305-001 GC91K1AP-MSD
 Date Sampled...: 03/25/04 11:33 Date Received...: 03/31/04 MS Run #.....: 4105065
 Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
 Prep Batch #....: 4097412 Analysis Time...: 15:11
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	101	(75 - 131)			SW846 8260B
	106	(75 - 131)	5.7	(0-20)	SW846 8260B
Bromobenzene	93	(70 - 130)			SW846 8260B
	103	(70 - 130)	9.4	(0-20)	SW846 8260B
Bromochloromethane	79	(70 - 130)			SW846 8260B
	83	(70 - 130)	5.3	(0-20)	SW846 8260B
Bromodichloromethane	78	(73 - 124)			SW846 8260B
	84	(73 - 124)	7.3	(0-20)	SW846 8260B
Bromoform	71	(49 - 144)			SW846 8260B
	73	(49 - 144)	4.0	(0-20)	SW846 8260B
Bromomethane	61	(20 - 126)			SW846 8260B
	62	(20 - 126)	2.7	(0-20)	SW846 8260B
n-Butylbenzene	111	(61 - 144)			SW846 8260B
	117	(61 - 144)	5.5	(0-20)	SW846 8260B
sec-Butylbenzene	103	(70 - 130)			SW846 8260B
	110	(70 - 130)	6.9	(0-20)	SW846 8260B
tert-Butylbenzene	106	(70 - 130)			SW846 8260B
	114	(70 - 130)	7.8	(0-20)	SW846 8260B
Carbon tetrachloride	106	(42 - 154)			SW846 8260B
	112	(42 - 154)	5.8	(0-20)	SW846 8260B
Chlorobenzene	84	(84 - 112)			SW846 8260B
	90	(84 - 112)	7.2	(0-20)	SW846 8260B
Chlorodibromomethane	74 a	(77 - 119)			SW846 8260B
	78	(77 - 119)	5.3	(0-20)	SW846 8260B
Chloroethane	86	(46 - 139)			SW846 8260B
	91	(46 - 139)	6.3	(0-20)	SW846 8260B
Chloroform	93	(69 - 129)			SW846 8260B
	99	(69 - 129)	5.8	(0-20)	SW846 8260B
Chloromethane	69	(32 - 126)			SW846 8260B
	73	(32 - 126)	6.4	(0-20)	SW846 8260B
2-Chlorotoluene	104	(70 - 130)			SW846 8260B
	113	(70 - 130)	8.5	(0-20)	SW846 8260B
4-Chlorotoluene	102	(70 - 130)			SW846 8260B
	110	(70 - 130)	7.1	(0-20)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	60 a	(70 - 130)			SW846 8260B
	62 a	(70 - 130)	2.7	(0-20)	SW846 8260B
1,2-Dibromoethane	76	(70 - 130)			SW846 8260B
	84	(70 - 130)	10	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: I4C300228 Work Order #....: GC91K1AN-MS Matrix.....: WATER
 MS Lot-Sample #: I4C310305-001 GC91K1AP-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dibromomethane	79	(70 - 130)			SW846 8260B
	85	(70 - 130)	6.9	(0-20)	SW846 8260B
1,2-Dichlorobenzene	77	(71 - 111)			SW846 8260B
	88	(71 - 111)	13	(0-20)	SW846 8260B
1,3-Dichlorobenzene	90	(77 - 112)			SW846 8260B
	98	(77 - 112)	8.7	(0-20)	SW846 8260B
1,4-Dichlorobenzene	87	(79 - 113)			SW846 8260B
	94	(79 - 113)	8.4	(0-20)	SW846 8260B
Dichlorodifluoromethane	53 a	(70 - 130)			SW846 8260B
	57 a	(70 - 130)	7.3	(0-20)	SW846 8260B
1,1-Dichloroethane	97	(67 - 132)			SW846 8260B
	103	(67 - 132)	6.6	(0-20)	SW846 8260B
1,2-Dichloroethane	87	(49 - 129)			SW846 8260B
	91	(49 - 129)	4.7	(0-20)	SW846 8260B
1,1-Dichloroethene	100	(76 - 123)			SW846 8260B
	106	(76 - 123)	5.2	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	92	(70 - 124)			SW846 8260B
	99	(70 - 124)	7.1	(0-20)	SW846 8260B
trans-1,2-Dichloroethene	97	(78 - 121)			SW846 8260B
	102	(78 - 121)	5.5	(0-20)	SW846 8260B
1,2-Dichloropropane	83	(69 - 123)			SW846 8260B
	89	(69 - 123)	6.7	(0-15)	SW846 8260B
1,3-Dichloropropane	79	(70 - 130)			SW846 8260B
	84	(70 - 130)	6.8	(0-20)	SW846 8260B
2,2-Dichloropropane	113	(70 - 130)			SW846 8260B
	117	(70 - 130)	3.7	(0-20)	SW846 8260B
1,1-Dichloropropene	99	(70 - 130)			SW846 8260B
	105	(70 - 130)	6.0	(0-20)	SW846 8260B
Ethylbenzene	94	(75 - 132)			SW846 8260B
	102	(75 - 132)	7.8	(0-20)	SW846 8260B
Hexachlorobutadiene	64 a	(70 - 130)			SW846 8260B
	72	(70 - 130)	12	(0-20)	SW846 8260B
Isopropylbenzene	80	(75 - 118)			SW846 8260B
	88	(75 - 118)	9.5	(0-40)	SW846 8260B
p-Isopropyltoluene	100	(70 - 130)			SW846 8260B
	106	(70 - 130)	5.6	(0-20)	SW846 8260B
Methylene chloride	76	(74 - 113)			SW846 8260B
	79	(74 - 113)	4.8	(0-20)	SW846 8260B
Naphthalene	37 a	(70 - 130)			SW846 8260B
	52 a,p	(70 - 130)	34	(0-20)	SW846 8260B
n-Propylbenzene	104	(69 - 134)			SW846 8260B
	110	(69 - 134)	5.6	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: I4C300228 Work Order #....: GC91K1AN-MS Matrix.....: WATER
 MS Lot-Sample #: I4C310305-001 GC91K1AP-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Styrene	64 a	(74 - 111)			SW846 8260B
	68 a	(74 - 111)	6.2	(0-20)	SW846 8260B
1,1,1,2-Tetrachloroethane	78	(70 - 130)			SW846 8260B
	84	(70 - 130)	7.9	(0-40)	SW846 8260B
1,1,2,2-Tetrachloroethane	57 a	(64 - 109)			SW846 8260B
	66	(64 - 109)	15	(0-20)	SW846 8260B
Tetrachloroethene	92	(73 - 134)			SW846 8260B
	99	(73 - 134)	7.6	(0-20)	SW846 8260B
Toluene	95	(75 - 123)			SW846 8260B
	103	(75 - 123)	8.4	(0-20)	SW846 8260B
1,2,3-Trichlorobenzene	32	(10 - 166)			SW846 8260B
	55 p	(10 - 166)	52	(0-20)	SW846 8260B
1,2,4-Trichloro- benzene	44 a	(70 - 130)			SW846 8260B
	55 a,p	(70 - 130)	21	(0-20)	SW846 8260B
1,1,1-Trichloroethane	103	(37 - 145)			SW846 8260B
	108	(37 - 145)	4.8	(0-20)	SW846 8260B
1,1,2-Trichloroethane	71	(70 - 113)			SW846 8260B
	77	(70 - 113)	7.0	(0-20)	SW846 8260B
Trichloroethene	90	(84 - 123)			SW846 8260B
	95	(84 - 123)	6.2	(0-20)	SW846 8260B
Trichlorofluoromethane	128	(36 - 162)			SW846 8260B
	136	(36 - 162)	6.0	(0-20)	SW846 8260B
1,2,3-Trichloropropane	83	(47 - 131)			SW846 8260B
	88	(47 - 131)	6.6	(0-20)	SW846 8260B
1,2,4-Trimethylbenzene	103	(60 - 127)			SW846 8260B
	110	(60 - 127)	7.0	(0-20)	SW846 8260B
1,3,5-Trimethylbenzene	101	(61 - 129)			SW846 8260B
	109	(61 - 129)	7.5	(0-20)	SW846 8260B
Vinyl chloride	60	(55 - 119)			SW846 8260B
	65	(55 - 119)	8.1	(0-20)	SW846 8260B
o-Xylene	77	(70 - 130)			SW846 8260B
	83	(70 - 130)	8.4	(0-20)	SW846 8260B
m-Xylene & p-Xylene	176 a	(70 - 130)			SW846 8260B
	189 a	(70 - 130)	7.4	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	101	(75 - 135)
	106	(75 - 135)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: I4C300228 Work Order #....: GC91K1AN-MS Matrix.....: WATER
MS Lot-Sample #: I4C310305-001 GC91K1AP-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	97	(91 - 128)
	99	(91 - 128)
Dibromofluoromethane	93	(61 - 125)
	94	(61 - 125)
1,2-Dichloroethane-d4	93	(57 - 116)
	93	(57 - 116)

NOTE (S) :

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: I4C300228 Work Order #....: GC91K1AN-MS Matrix.....: WATER
 MS Lot-Sample #: I4C310305-001 GC91K1AP-MSD
 Date Sampled...: 03/25/04 11:33 Date Received...: 03/31/04 MS Run #.....: 4105065
 Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
 Prep Batch #....: 4097412 Analysis Time...: 15:11
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.6	ug/L	106	5.7	SW846 8260B
Bromobenzene	ND	10.0	9.34	ug/L	93		SW846 8260B
	ND	10.0	10.3	ug/L	103	9.4	SW846 8260B
Bromochloromethane	ND	10.0	7.87	ug/L	79		SW846 8260B
	ND	10.0	8.30	ug/L	83	5.3	SW846 8260B
Bromodichloromethane	ND	10.0	7.79	ug/L	78		SW846 8260B
	ND	10.0	8.38	ug/L	84	7.3	SW846 8260B
Bromoform	ND	10.0	7.05	ug/L	71		SW846 8260B
	ND	10.0	7.35	ug/L	73	4.0	SW846 8260B
Bromomethane	ND	10.0	6.08	ug/L	61		SW846 8260B
	ND	10.0	6.24	ug/L	62	2.7	SW846 8260B
n-Butylbenzene	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.7	ug/L	117	5.5	SW846 8260B
sec-Butylbenzene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	11.0	ug/L	110	6.9	SW846 8260B
tert-Butylbenzene	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	11.4	ug/L	114	7.8	SW846 8260B
Carbon tetrachloride	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	11.2	ug/L	112	5.8	SW846 8260B
Chlorobenzene	ND	10.0	8.39	ug/L	84		SW846 8260B
	ND	10.0	9.02	ug/L	90	7.2	SW846 8260B
Chlorodibromomethane	ND	10.0	7.44	ug/L	74 a		SW846 8260B
	ND	10.0	7.84	ug/L	78	5.3	SW846 8260B
Chloroethane	ND	10.0	8.58	ug/L	86		SW846 8260B
	ND	10.0	9.13	ug/L	91	6.3	SW846 8260B
Chloroform	ND	10.0	9.33	ug/L	93		SW846 8260B
	ND	10.0	9.88	ug/L	99	5.8	SW846 8260B
Chloromethane	ND	10.0	6.89	ug/L	69		SW846 8260B
	ND	10.0	7.35	ug/L	73	6.4	SW846 8260B
2-Chlorotoluene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	11.3	ug/L	113	8.5	SW846 8260B
4-Chlorotoluene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	11.0	ug/L	110	7.1	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	6.03	ug/L	60 a		SW846 8260B
	ND	10.0	6.19	ug/L	62 a	2.7	SW846 8260B
1,2-Dibromoethane	ND	10.0	7.62	ug/L	76		SW846 8260B
	ND	10.0	8.44	ug/L	84	10	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: I4C300228 Work Order #....: GC91K1AN-MS Matrix.....: WATER
 MS Lot-Sample #: I4C310305-001 GC91K1AP-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Dibromomethane	ND	10.0	7.93	ug/L	79		SW846 8260B
	ND	10.0	8.49	ug/L	85	6.9	SW846 8260B
1,2-Dichlorobenzene	ND	10.0	7.73	ug/L	77		SW846 8260B
	ND	10.0	8.80	ug/L	88	13	SW846 8260B
1,3-Dichlorobenzene	ND	10.0	8.99	ug/L	90		SW846 8260B
	ND	10.0	9.81	ug/L	98	8.7	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	8.68	ug/L	87		SW846 8260B
	ND	10.0	9.44	ug/L	94	8.4	SW846 8260B
Dichlorodifluoromethane	ND	10.0	5.29	ug/L	53 a		SW846 8260B
	ND	10.0	5.70	ug/L	57 a	7.3	SW846 8260B
1,1-Dichloroethane	ND	10.0	9.68	ug/L	97		SW846 8260B
	ND	10.0	10.3	ug/L	103	6.6	SW846 8260B
1,2-Dichloroethane	ND	10.0	8.73	ug/L	87		SW846 8260B
	ND	10.0	9.15	ug/L	91	4.7	SW846 8260B
1,1-Dichloroethene	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	10.6	ug/L	106	5.2	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	9.22	ug/L	92		SW846 8260B
	ND	10.0	9.90	ug/L	99	7.1	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.66	ug/L	97		SW846 8260B
	ND	10.0	10.2	ug/L	102	5.5	SW846 8260B
1,2-Dichloropropane	ND	10.0	8.30	ug/L	83		SW846 8260B
	ND	10.0	8.88	ug/L	89	6.7	SW846 8260B
1,3-Dichloropropane	ND	10.0	7.87	ug/L	79		SW846 8260B
	ND	10.0	8.42	ug/L	84	6.8	SW846 8260B
2,2-Dichloropropane	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.7	ug/L	117	3.7	SW846 8260B
1,1-Dichloropropene	ND	10.0	9.92	ug/L	99		SW846 8260B
	ND	10.0	10.5	ug/L	105	6.0	SW846 8260B
Ethylbenzene	ND	10.0	9.39	ug/L	94		SW846 8260B
	ND	10.0	10.2	ug/L	102	7.8	SW846 8260B
Hexachlorobutadiene	ND	10.0	6.40	ug/L	64 a		SW846 8260B
	ND	10.0	7.23	ug/L	72	12	SW846 8260B
Isopropylbenzene	ND	10.0	8.01	ug/L	80		SW846 8260B
	ND	10.0	8.81	ug/L	88	9.5	SW846 8260B
p-Isopropyltoluene	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	10.6	ug/L	106	5.6	SW846 8260B
Methylene chloride	ND	10.0	7.56	ug/L	76		SW846 8260B
	ND	10.0	7.94	ug/L	79	4.8	SW846 8260B
Naphthalene	ND	10.0	3.69	ug/L	37 a		SW846 8260B
	ND	10.0	5.20	ug/L	52 a,p	34	SW846 8260B
n-Propylbenzene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	11.0	ug/L	110	5.6	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: I4C300228 Work Order #....: GC91K1AN-MS Matrix.....: WATER
 MS Lot-Sample #: I4C310305-001 GC91K1AP-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Styrene	ND	10.0	6.43	ug/L	64 a		SW846 8260B
	ND	10.0	6.84	ug/L	68 a	6.2	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	7.79	ug/L	78		SW846 8260B
	ND	10.0	8.43	ug/L	84	7.9	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	5.68	ug/L	57 a		SW846 8260B
	ND	10.0	6.59	ug/L	66	15	SW846 8260B
Tetrachloroethene	ND	10.0	9.20	ug/L	92		SW846 8260B
	ND	10.0	9.93	ug/L	99	7.6	SW846 8260B
Toluene	ND	10.0	9.47	ug/L	95		SW846 8260B
	ND	10.0	10.3	ug/L	103	8.4	SW846 8260B
1,2,3-Trichlorobenzene	ND	10.0	3.23	ug/L	32		SW846 8260B
	ND	10.0	5.49	ug/L	55 p	52	SW846 8260B
1,2,4-Trichloro- benzene	ND	10.0	4.41	ug/L	44 a		SW846 8260B
	ND	10.0	5.46	ug/L	55 a,p	21	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.8	ug/L	108	4.8	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	7.13	ug/L	71		SW846 8260B
	ND	10.0	7.65	ug/L	77	7.0	SW846 8260B
Trichloroethene	ND	10.0	8.97	ug/L	90		SW846 8260B
	ND	10.0	9.54	ug/L	95	6.2	SW846 8260B
Trichlorofluoromethane	ND	10.0	12.8	ug/L	128		SW846 8260B
	ND	10.0	13.6	ug/L	136	6.0	SW846 8260B
1,2,3-Trichloropropane	ND	10.0	8.28	ug/L	83		SW846 8260B
	ND	10.0	8.84	ug/L	88	6.6	SW846 8260B
1,2,4-Trimethylbenzene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	11.0	ug/L	110	7.0	SW846 8260B
1,3,5-Trimethylbenzene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.9	ug/L	109	7.5	SW846 8260B
Vinyl chloride	ND	10.0	6.04	ug/L	60		SW846 8260B
	ND	10.0	6.55	ug/L	65	8.1	SW846 8260B
o-Xylene	ND	10.0	7.68	ug/L	77		SW846 8260B
	ND	10.0	8.35	ug/L	83	8.4	SW846 8260B
m-Xylene & p-Xylene	ND	10.0	17.6	ug/L	176 a		SW846 8260B
	ND	10.0	18.9	ug/L	189 a	7.4	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	101	(75 - 135)
	106	(75 - 135)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I4C300228
MS Lot-Sample #: I4C310305-001

Work Order #...: GC91K1AN-MS
GC91K1AP-MSD

Matrix.....: WATER

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	97	(91 - 128)
	99	(91 - 128)
Dibromofluoromethane	93	(61 - 125)
	94	(61 - 125)
1,2-Dichloroethane-d4	93	(57 - 116)
	93	(57 - 116)

NOTE (S) :

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC6731CV-MS Matrix.....: WATER
MS Lot-Sample #: I4C300228-001 GC6731CW-MSD
Date Sampled....: 03/25/04 09:50 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 17:00
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Methane	39	(27 - 156)			RSK SOP-175
	66	(27 - 156)	7.6	(0-31)	RSK SOP-175

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC6731CV-MS Matrix.....: WATER
MS Lot-Sample #: I4C300228-001 GC6731CW-MSD
Date Sampled...: 03/25/04 09:50 Date Received...: 03/30/04 MS Run #.....: 4097079
Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
Prep Batch #....: 4097209 Analysis Time...: 17:00
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Methane	54	20.1	61.9	ug/L	39		RSK SOP-175
	54	19.5	66.7	ug/L	66	7.6	RSK SOP-175

NOTE(S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC7MG1AJ-MS Matrix.....: WATER
MS Lot-Sample #: I4C300228-039 GC7MG1AK-MSD
Date Sampled...: 03/26/04 15:51 Date Received...: 03/30/04 MS Run #.....: 4097115
Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
Prep Batch #....: 4097270 Analysis Time...: 16:39
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Methane	85	(27 - 156)			RSK SOP-175
	82	(27 - 156)	5.1	(0-31)	RSK SOP-175

NOTE(S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC7MGLAJ-MS Matrix.....: WATER
MS Lot-Sample #: I4C300228-039 GC7MGLAK-MSD
Date Sampled...: 03/26/04 15:51 Date Received...: 03/30/04 MS Run #.....: 4097115
Prep Date.....: 04/04/04 Analysis Date...: 04/04/04
Prep Batch #....: 4097270 Analysis Time...: 16:39
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Methane	0.68	17.6	15.6	ug/L	85		RSK SOP-175
	0.68	17.3	14.8	ug/L	82	5.1	RSK SOP-175

NOTE(S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC68W1AT-MS Matrix.....: WATER
 MS Lot-Sample #: I4C300228-002 GC68W1AU-MSD
 Date Sampled...: 03/25/04 18:30 Date Received...: 03/30/04 MS Run #.....: 4093159
 Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
 Prep Batch #....: 4093410 Analysis Time...: 09:37
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	78 a, MSC	(79 - 124)			SW846 8015B
	99 p	(79 - 124)	25	(0-20)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	90	(75 - 122)
	87	(75 - 122)

NOTE(S) :

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

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC68W1AT-MS Matrix.....: WATER
 MS Lot-Sample #: I4C300228-002 GC68W1AU-MSD
 Date Sampled...: 03/25/04 18:30 Date Received...: 03/30/04 MS Run #.....: 4093159
 Prep Date.....: 04/01/04 Analysis Date...: 04/02/04
 Prep Batch #....: 4093410 Analysis Time...: 09:37
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Gasoline Range Organics	ND	2000	1550	ug/L	78		SW846 8015B
	Qualifiers: a, MSC						
	ND	2000	1990	ug/L	99 p	25	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	90	(75 - 122)
	87	(75 - 122)

NOTE(S) :

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

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC7KK1AM-MS Matrix.....: SOLID
 MS Lot-Sample #: I4C300228-035 GC7KK1AN-MSD
 Date Sampled....: 03/23/04 10:50 Date Received...: 03/30/04 MS Run #.....: 4096092
 Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
 Prep Batch #....: 4096214 Analysis Time...: 01:16
 Dilution Factor: 0.98 % Moisture.....:

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	81	(73 - 128)			SW846 8021B
	87	(73 - 128)	6.9	(0-30)	SW846 8021B
Ethylbenzene	75	(73 - 136)			SW846 8021B
	79	(73 - 136)	5.0	(0-30)	SW846 8021B
Toluene	75	(71 - 129)			SW846 8021B
	79	(71 - 129)	4.1	(0-30)	SW846 8021B
Xylenes (total)	77	(74 - 130)			SW846 8021B
	81	(74 - 130)	5.1	(0-30)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(41 - 150)
	93	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	98	(43 - 165)
	98	(43 - 165)

NOTE (S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC7KK1AM-MS Matrix.....: SOLID
 MS Lot-Sample #: I4C300228-035 GC7KK1AN-MSD
 Date Sampled....: 03/23/04 10:50 Date Received...: 03/30/04 MS Run #.....: 4096092
 Prep Date.....: 04/02/04 Analysis Date...: 04/03/04
 Prep Batch #....: 4096214 Analysis Time...: 01:16
 Dilution Factor: 0.98 % Moisture.....:

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	19.7	15.9	ug/kg	81		SW846 8021B
	ND	19.6	17.1	ug/kg	87	6.9	SW846 8021B
Ethylbenzene	ND	19.7	14.7	ug/kg	75		SW846 8021B
	ND	19.6	15.5	ug/kg	79	5.0	SW846 8021B
Toluene	ND	19.7	14.7	ug/kg	75		SW846 8021B
	ND	19.6	15.4	ug/kg	79	4.1	SW846 8021B
Xylenes (total)	ND	59.1	45.4	ug/kg	77		SW846 8021B
	ND	58.7	47.8	ug/kg	81	5.1	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(41 - 150)
	93	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	98	(43 - 165)
	98	(43 - 165)

NOTE (S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC7QP1AD-MS Matrix.....: WATER
 MS Lot-Sample #: I4C300228-046 GC7QP1AE-MSD
 Date Sampled....: 03/26/04 16:45 Date Received...: 03/30/04 MS Run #.....: 4097107
 Prep Date.....: 04/05/04 Analysis Date...: 04/06/04
 Prep Batch #....: 4097248 Analysis Time...: 00:13
 Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	97	(85 - 115)			SW846 8021B
	73 a, MSC	(85 - 115)	5.0	(0-20)	SW846 8021B
Ethylbenzene	97	(85 - 115)			SW846 8021B
	96	(85 - 115)	0.47	(0-20)	SW846 8021B
Toluene	123 a, MSC	(85 - 115)			SW846 8021B
	121 a, MSC	(85 - 115)	1.9	(0-20)	SW846 8021B
Xylenes (total)	304 a, MSC	(85 - 115)			SW846 8021B
	299 a, MSC	(85 - 115)	1.1	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(81 - 119)
	100	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	116	(73 - 135)
	104	(73 - 135)

NOTE(S) :

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC7QP1AD-MS Matrix.....: WATER
 MS Lot-Sample #: I4C300228-046 GC7QP1AE-MSD
 Date Sampled....: 03/26/04 16:45 Date Received...: 03/30/04 MS Run #.....: 4097107
 Prep Date.....: 04/05/04 Analysis Date...: 04/06/04
 Prep Batch #....: 4097248 Analysis Time...: 00:13
 Dilution Factor: 5

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	400	100	496	ug/L	97		SW846 8021B
	400	100	471	ug/L	73	5.0	SW846 8021B
	Qualifiers: a, MSC						
Ethylbenzene	67	100	164	ug/L	97		SW846 8021B
	67	100	163	ug/L	96	0.47	SW846 8021B
Toluene	ND	100	123	ug/L	123		SW846 8021B
	Qualifiers: a, MSC						
	ND	100	121	ug/L	121	1.9	SW846 8021B
	Qualifiers: a, MSC						
Xylenes (total)	150	100	449	ug/L	304		SW846 8021B
	Qualifiers: a, MSC						
	150	100	445	ug/L	299	1.1	SW846 8021B
	Qualifiers: a, MSC						

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(81 - 119)
	100	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	116	(73 - 135)
	104	(73 - 135)

NOTE (S) :

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC4AF1AG-MS Matrix.....: WATER
 MS Lot-Sample #: I4C290105-003 GC4AF1AH-MSD
 Date Sampled....: 03/25/04 14:05 Date Received...: 03/26/04 MS Run #.....: 4097185
 Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
 Prep Batch #....: 4097395 Analysis Time...: 22:26
 Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	721 a	(85 - 115)			SW846 8021B
	716 a	(85 - 115)	0.71	(0-20)	SW846 8021B
Ethylbenzene	228 a	(85 - 115)			SW846 8021B
	240 a, MSC	(85 - 115)	5.1	(0-20)	SW846 8021B
Toluene	526 a	(85 - 115)			SW846 8021B
	532 a	(85 - 115)	1.1	(0-20)	SW846 8021B
Xylenes (total)	86	(85 - 115)			SW846 8021B
	98	(85 - 115)	2.0	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
	98	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	111	(73 - 135)
	109	(73 - 135)

NOTE(S) :

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C300228 Work Order #....: GC4AF1AG-MS Matrix.....: WATER
 MS Lot-Sample #: I4C290105-003 GC4AF1AH-MSD
 Date Sampled....: 03/25/04 14:05 Date Received...: 03/26/04 MS Run #.....: 4097185
 Prep Date.....: 04/05/04 Analysis Date...: 04/05/04
 Prep Batch #....: 4097395 Analysis Time...: 22:26
 Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene		200	1440	ug/L	721 a		SW846 8021B
		200	1430	ug/L	716 a	0.71	SW846 8021B
Ethylbenzene		200	456	ug/L	228 a		SW846 8021B
		200	479	ug/L	240	5.1	SW846 8021B
Qualifiers: a, MSC							
Toluene		200	1050	ug/L	526 a		SW846 8021B
		200	1060	ug/L	532 a	1.1	SW846 8021B
Xylenes (total)	3000	600	3550	ug/L	86		SW846 8021B
	3000	600	3620	ug/L	98	2.0	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(81 - 119)
	98	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	111	(73 - 135)
	109	(73 - 135)

NOTE(S) :

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: I4C300228 Work Order #....: GC7AF1AM-MS Matrix.....: SOLID
 MS Lot-Sample #: I4C300228-013 GC7AF1AN-MSD
 Date Sampled....: 03/26/04 10:35 Date Received...: 03/30/04 MS Run #.....: 4092050
 Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
 Prep Batch #....: 4091424 Analysis Time...: 01:29
 Dilution Factor: 1 % Moisture.....:

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	69	(40 - 126)			SW846 8015B
	61	(40 - 126)	7.2	(0-30)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	74	(39 - 139)
	77	(39 - 139)
Dotriacontane	76	(13 - 161)
	79	(13 - 161)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: I4C300228 Work Order #....: GC7AF1AM-MS Matrix.....: SOLID
 MS Lot-Sample #: I4C300228-013 GC7AF1AN-MSD
 Date Sampled...: 03/26/04 10:35 Date Received...: 03/30/04 MS Run #.....: 4092050
 Prep Date.....: 03/31/04 Analysis Date...: 04/08/04
 Prep Batch #....: 4091424 Analysis Time...: 01:29
 Dilution Factor: 1 % Moisture.....:

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Diesel Range Organics	ND	33.3	34.4	mg/kg	69		SW846 8015B
	ND	33.3	32.0	mg/kg	61	7.2	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	74	(39 - 139)
	77	(39 - 139)
Dotriacontane	76	(13 - 161)
	79	(13 - 161)

NOTE(S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I4C300228

Matrix.....: SOLID

Date Sampled...: 03/25/04 15:10 Date Received...: 03/30/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4C300228-016 Prep Batch #...: 4092199							
% Moisture.....:							
Arsenic	91	(75 - 125)			SW846 6010B	03/31-04/01/04	GC7C51AM
	90	(75 - 125)	5.7	(0-20)	SW846 6010B	03/31-04/01/04	GC7C51AN
		Dilution Factor: 0.97					
		Analysis Time...: 16:43					
		MS Run #.....: 4092080					
Barium	161 N	(75 - 125)			SW846 6010B	03/31-04/01/04	GC7C51AP
	171 N	(75 - 125)	0.61	(0-20)	SW846 6010B	03/31-04/01/04	GC7C51AQ
		Dilution Factor: 0.97					
		Analysis Time...: 16:43					
		MS Run #.....: 4092080					
Cadmium	90	(75 - 125)			SW846 6010B	03/31-04/01/04	GC7C51AR
	90	(75 - 125)	5.3	(0-20)	SW846 6010B	03/31-04/01/04	GC7C51AT
		Dilution Factor: 0.97					
		Analysis Time...: 16:43					
		MS Run #.....: 4092080					
Chromium	91	(75 - 125)			SW846 6010B	03/31-04/01/04	GC7C51A2
	90	(75 - 125)	4.6	(0-20)	SW846 6010B	03/31-04/01/04	GC7C51A3
		Dilution Factor: 0.97					
		Analysis Time...: 16:43					
		MS Run #.....: 4092080					
Lead	92	(75 - 125)			SW846 6010B	03/31-04/01/04	GC7C51AU
	91	(75 - 125)	5.9	(0-20)	SW846 6010B	03/31-04/01/04	GC7C51AV
		Dilution Factor: 0.97					
		Analysis Time...: 16:43					
		MS Run #.....: 4092080					
Selenium	89	(75 - 125)			SW846 6010B	03/31-04/01/04	GC7C51AW
	87	(75 - 125)	6.9	(0-20)	SW846 6010B	03/31-04/01/04	GC7C51AX
		Dilution Factor: 0.97					
		Analysis Time...: 16:43					
		MS Run #.....: 4092080					
Silver	97	(75 - 125)			SW846 6010B	03/31-04/01/04	GC7C51A0
	96	(75 - 125)	5.2	(0-20)	SW846 6010B	03/31-04/01/04	GC7C51A1
		Dilution Factor: 0.97					
		Analysis Time...: 16:43					
		MS Run #.....: 4092080					

NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C300228

Matrix.....: SOLID

Date Sampled....: 03/25/04 15:10 Date Received...: 03/30/04

PARAMETER	AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: I4C300228-016 Prep Batch #....: 4092199

% Moisture.....:

Arsenic

1.0	48.5	45.0	mg/kg	91			SW846 6010B	03/31-04/01/04	GC7C51AM
1.0	46.3	42.5	mg/kg	90	5.7		SW846 6010B	03/31-04/01/04	GC7C51AN
Dilution Factor: 0.97									
Analysis Time...: 16:43									
MS Run #.....: 4092080									

Barium

38.1	48.5	116 N	mg/kg	161			SW846 6010B	03/31-04/01/04	GC7C51AP
38.1	46.3	117 N	mg/kg	171	0.61		SW846 6010B	03/31-04/01/04	GC7C51AQ
Dilution Factor: 0.97									
Analysis Time...: 16:43									
MS Run #.....: 4092080									

Cadmium

ND	48.5	43.7	mg/kg	90			SW846 6010B	03/31-04/01/04	GC7C51AR
ND	46.3	41.5	mg/kg	90	5.3		SW846 6010B	03/31-04/01/04	GC7C51AT
Dilution Factor: 0.97									
Analysis Time...: 16:43									
MS Run #.....: 4092080									

Chromium

2.9	48.5	46.9	mg/kg	91			SW846 6010B	03/31-04/01/04	GC7C51A2
2.9	46.3	44.8	mg/kg	90	4.6		SW846 6010B	03/31-04/01/04	GC7C51A3
Dilution Factor: 0.97									
Analysis Time...: 16:43									
MS Run #.....: 4092080									

Lead

1.8	48.5	46.6	mg/kg	92			SW846 6010B	03/31-04/01/04	GC7C51AU
1.8	46.3	43.9	mg/kg	91	5.9		SW846 6010B	03/31-04/01/04	GC7C51AV
Dilution Factor: 0.97									
Analysis Time...: 16:43									
MS Run #.....: 4092080									

Selenium

ND	48.5	43.1	mg/kg	89			SW846 6010B	03/31-04/01/04	GC7C51AW
ND	46.3	40.2	mg/kg	87	6.9		SW846 6010B	03/31-04/01/04	GC7C51AX
Dilution Factor: 0.97									
Analysis Time...: 16:43									
MS Run #.....: 4092080									

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C300228

Matrix.....: SOLID

Date Sampled....: 03/25/04 15:10 Date Received...: 03/30/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver									
	ND	9.71	9.39	mg/kg	97		SW846 6010B	03/31-04/01/04	GC7C51A0
	ND	9.26	8.91	mg/kg	96	5.2	SW846 6010B	03/31-04/01/04	GC7C51A1

Dilution Factor: 0.97

Analysis Time...: 16:43

MS Run #.....: 4092080

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I4C300228

Matrix.....: WATER

Date Sampled...: 03/19/04 10:25 Date Received...: 03/24/04

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MS Lot-Sample #: I4C240185-001 Prep Batch #...: 4092480							
Mercury	84	(75 - 125)			SW846 7470A	04/02/04	GCR541AR
	86	(75 - 125)	2.3	(0-20)	SW846 7470A	04/02/04	GCR541AT

Dilution Factor: 1

Analysis Time...: 00:00

MS Run #.....: 4092218

NOTE(S) :

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C300228

Matrix.....: WATER

Date Sampled...: 03/19/04 10:25 Date Received...: 03/24/04

<u>PARAMETER</u>	<u>AMOUNT</u>	<u>SAMPLE SPIKE</u>	<u>MEASRD</u>	<u>PERCNT</u>	<u>PREPARATION-</u>	<u>WORK</u>		
<u>AMOUNT</u>	<u>AMT</u>	<u>AMOUNT</u>	<u>UNITS</u>	<u>RECVRY</u>	<u>RPD</u>	<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>

MS Lot-Sample #: I4C240185-001 Prep Batch #....: 4092480

Mercury

ND	0.00200	0.00168	mg/L	84		SW846 7470A	04/02/04	GCR541AR
ND	0.00200	0.00172	mg/L	86	2.3	SW846 7470A	04/02/04	GCR541AT

Dilution Factor: 1

Analysis Time...: 00:00

MS Run #.....: 4092218

NOTE(S) :

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: I4C300228

Matrix.....: SOLID

Date Sampled....: 03/21/04 16:30 Date Received...: 03/30/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: I4C300228-008 Prep Batch #....: 4097173

% Moisture.....:

Mercury	74 N	(75 - 125)			SW846 7471A	04/06-04/07/04	GC69J1AM
	83	(75 - 125)	8.5	(0-20)	SW846 7471A	04/06-04/07/04	GC69J1AN
					Dilution Factor: 0.93		
					Analysis Time...: 15:37		
					MS Run #.....: 4097046		

NOTE (S) :

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I4C300228

Matrix.....: SOLID

Date Sampled...: 03/21/04 16:30 Date Received...: 03/30/04

PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: I4C300228-008 Prep Batch #...: 4097173

% Moisture.....:

Mercury

ND	0.156	0.118	N	mg/kg	74		SW846 7471A	04/06-04/07/04	GC69J1AM
ND	0.152	0.129		mg/kg	83	8.5	SW846 7471A	04/06-04/07/04	GC69J1AN
Dilution Factor: 0.93									
Analysis Time...: 15:37									
MS Run #.....: 4097046									

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #....: I4C300228

Matrix.....: WATER

Date Sampled....: 03/22/04 17:45 Date Received...: 03/24/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4C240287-002 Prep Batch #....: 4100141						
Arsenic	101	(75 - 125)		SW846 6010B	04/09/04	GCTXE1A0
	102	(75 - 125) 1.2	(0-20)	SW846 6010B	04/09/04	GCTXE1A1
		Dilution Factor: 1				
		Analysis Time...: 10:28				
		MS Run #.....: 4100025				
Barium	90	(75 - 125)		SW846 6010B	04/09/04	GCTXE1A2
	90	(75 - 125) 0.61	(0-20)	SW846 6010B	04/09/04	GCTXE1A3
		Dilution Factor: 1				
		Analysis Time...: 10:28				
		MS Run #.....: 4100025				
Cadmium	72 N	(75 - 125)		SW846 6010B	04/09/04	GCTXE1A4
	74 N	(75 - 125) 2.5	(0-20)	SW846 6010B	04/09/04	GCTXE1A5
		Dilution Factor: 1				
		Analysis Time...: 10:28				
		MS Run #.....: 4100025				
Chromium	79	(75 - 125)		SW846 6010B	04/09/04	GCTXE1A6
	81	(75 - 125) 2.8	(0-20)	SW846 6010B	04/09/04	GCTXE1A7
		Dilution Factor: 1				
		Analysis Time...: 10:28				
		MS Run #.....: 4100025				
Lead	82	(75 - 125)		SW846 6010B	04/09/04	GCTXE1A8
	85	(75 - 125) 2.5	(0-20)	SW846 6010B	04/09/04	GCTXE1A9
		Dilution Factor: 1				
		Analysis Time...: 10:28				
		MS Run #.....: 4100025				
Selenium	111	(75 - 125)		SW846 6010B	04/09/04	GCTXE1CA
	112	(75 - 125) 0.55	(0-20)	SW846 6010B	04/09/04	GCTXE1CC
		Dilution Factor: 1				
		Analysis Time...: 10:28				
		MS Run #.....: 4100025				
Silver	124	(75 - 125)		SW846 6010B	04/09/04	GCTXE1AW
	124	(75 - 125) 0.15	(0-20)	SW846 6010B	04/09/04	GCTXE1AX
		Dilution Factor: 1				
		Analysis Time...: 10:28				
		MS Run #.....: 4100025				

NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: I4C300228

Matrix.....: WATER

Date Sampled...: 03/22/04 17:45 Date Received...: 03/24/04

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4C240287-002 Prep Batch #...: 4100141									
Arsenic									
	0.033	0.500	0.536	mg/L	101		SW846 6010B	04/09/04	GCTXE1A0
	0.033	0.500	0.543	mg/L	102	1.2	SW846 6010B	04/09/04	GCTXE1A1
Dilution Factor: 1									
Analysis Time...: 10:28									
MS Run #.....: 4100025									
Barium									
	ND	0.500	0.548	mg/L	90		SW846 6010B	04/09/04	GCTXE1A2
	ND	0.500	0.545	mg/L	90	0.61	SW846 6010B	04/09/04	GCTXE1A3
Dilution Factor: 1									
Analysis Time...: 10:28									
MS Run #.....: 4100025									
Cadmium									
	0.0076	0.500	0.369 N	mg/L	72		SW846 6010B	04/09/04	GCTXE1A4
	0.0076	0.500	0.378 N	mg/L	74	2.5	SW846 6010B	04/09/04	GCTXE1A5
Dilution Factor: 1									
Analysis Time...: 10:28									
MS Run #.....: 4100025									
Chromium									
	0.012	0.500	0.405	mg/L	79		SW846 6010B	04/09/04	GCTXE1A6
	0.012	0.500	0.416	mg/L	81	2.8	SW846 6010B	04/09/04	GCTXE1A7
Dilution Factor: 1									
Analysis Time...: 10:28									
MS Run #.....: 4100025									
Lead									
	0.020	0.500	0.431	mg/L	82		SW846 6010B	04/09/04	GCTXE1A8
	0.020	0.500	0.442	mg/L	85	2.5	SW846 6010B	04/09/04	GCTXE1A9
Dilution Factor: 1									
Analysis Time...: 10:28									
MS Run #.....: 4100025									
Selenium									
	0.15	0.500	0.706	mg/L	111		SW846 6010B	04/09/04	GCTXE1CA
	0.15	0.500	0.710	mg/L	112	0.55	SW846 6010B	04/09/04	GCTXE1CC
Dilution Factor: 1									
Analysis Time...: 10:28									
MS Run #.....: 4100025									

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: I4C300228

Matrix.....: WATER

Date Sampled....: 03/22/04 17:45 Date Received...: 03/24/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver									
	ND	0.100	0.124	mg/L	124		SW846 6010B	04/09/04	GCTXE1AW
	ND	0.100	0.124	mg/L	124	0.15	SW846 6010B	04/09/04	GCTXE1AX

Dilution Factor: 1

Analysis Time...: 10:28

MS Run #.....: 4100025

NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #.... I4C300228

Matrix.....: WATER

Date Sampled.... 03/25/04 14:05 Date Received... 03/26/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride			WO#:	GC1891D1-MS/GC1891D2-MSD	MS Lot-Sample #:	I4C260299-001	
	92	(85 - 106)			MCAWW 300.0A	04/07/04	4099353
	93	(85 - 106)	0.41	(0-22)	MCAWW 300.0A	04/07/04	4099353
			Dilution Factor: 1				
			Analysis Time... 16:46				
			MS Run #.....: 4099177				
Nitrate-Nitrite			WO#:	GCWJD1A4-MS/GCWJD1A5-MSD	MS Lot-Sample #:	I4C250203-010	
	89 N	(90 - 110)			MCAWW 353.2	04/08/04	4099278
	91	(90 - 110)	1.4	(0-20)	MCAWW 353.2	04/08/04	4099278
			Dilution Factor: 1				
			Analysis Time... 10:00				
			MS Run #.....: 4099133				
Nitrate-Nitrite			WO#:	GC68W1AV-MS/GC68W1AW-MSD	MS Lot-Sample #:	I4C300228-002	
	85 N	(90 - 110)			MCAWW 353.2	04/08/04	4099278
	84 N	(90 - 110)	0.81	(0-20)	MCAWW 353.2	04/08/04	4099278
			Dilution Factor: 1				
			Analysis Time... 10:00				
			MS Run #.....: 4099133				
Sulfate			WO#:	GC6731CX-MS/GC6731C0-MSD	MS Lot-Sample #:	I4C300228-001	
	92	(88 - 107)			MCAWW 300.0A	04/06/04	4098195
	95	(88 - 107)	2.1	(0-26)	MCAWW 300.0A	04/06/04	4098195
			Dilution Factor: 1				
			Analysis Time... 09:33				
			MS Run #.....: 4098093				

NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: I4C300228

Matrix.....: WATER

Date Sampled...: 03/25/04 14:05 Date Received...: 03/26/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride			WO#: GC1891D1-MS/GC1891D2-MSD				MS Lot-Sample #: I4C260299-001		
	241	300	517	mg/L	92		MCAWW 300.0A	04/07/04	4099353
	241	300	519	mg/L	93	0.41	MCAWW 300.0A	04/07/04	4099353
			Dilution Factor: 1						
			Analysis Time...: 16:46						
			MS Run #.....: 4099177						
Nitrate-Nitrite			WO#: GCWJD1A4-MS/GCWJD1A5-MSD				MS Lot-Sample #: I4C250203-010		
	14.7	20.0	32.4 N	mg/L	89		MCAWW 353.2	04/08/04	4099278
	14.7	20.0	32.8	mg/L	91	1.4	MCAWW 353.2	04/08/04	4099278
			Dilution Factor: 1						
			Analysis Time...: 10:00						
			MS Run #.....: 4099133						
Nitrate-Nitrite			WO#: GC68W1AV-MS/GC68W1AW-MSD				MS Lot-Sample #: I4C300228-002		
	14.9	20.0	32.0 N	mg/L	85		MCAWW 353.2	04/08/04	4099278
	14.9	20.0	31.7 N	mg/L	84	0.81	MCAWW 353.2	04/08/04	4099278
			Dilution Factor: 1						
			Analysis Time...: 10:00						
			MS Run #.....: 4099133						
Sulfate			WO#: GC6731CX-MS/GC6731C0-MSD				MS Lot-Sample #: I4C300228-001		
	81.9	300	358	mg/L	92		MCAWW 300.0A	04/06/04	4098195
	81.9	300	366	mg/L	95	2.1	MCAWW 300.0A	04/06/04	4098195
			Dilution Factor: 1						
			Analysis Time...: 09:33						
			MS Run #.....: 4098093						

NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: I4C300228

Work Order #....: GC189-SMP
GC189-DUP

Matrix.....: WATER

Date Sampled....: 03/25/04 14:05 Date Received...: 03/26/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	387	397	mg/L	2.6	(0-20)	SD Lot-Sample #: I4C260299-001 MCAWW 310.1	04/02/04	4094125
			Dilution Factor: 1			Analysis Time...: 14:00	MS Run Number...: 4094018	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: I4C300228

Work Order #....: GC7HQ-SMP
GC7HQ-DUP

Matrix.....: WATER

Date Sampled....: 03/24/04 17:35 Date Received...: 03/30/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	165	169	mg/L	1.8	(0-20)	SD Lot-Sample #: I4C300228-029 MCAWW 310.1	04/02/04	4094125
			Dilution Factor: 1	Analysis Time...: 14:00		MS Run Number...: 4094018		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: I4C300228 Work Order #....: GC4EA-SMP Matrix.....: WATER
GC4EA-DUP
Date Sampled....: 03/26/04 08:40 Date Received...: 03/27/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	730	741	mg/L	1.5	(0-20)	SD Lot-Sample #: I4C290114-004 MCAWW 310.1	04/06/04	4097275
			Dilution Factor: 1			Analysis Time...: 10:00	MS Run Number...: 4097120	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: I4C300228

Work Order #....: GC4FM-SMP
GC4FM-DUP

Matrix.....: WATER

Date Sampled....: 03/25/04 15:35 Date Received...: 03/27/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	362	368	mg/L	1.7	(0-20)	MC'AWW 310.1	04/06/04	4097275
			Dilution Factor: 1	Analysis Time...: 10:00		MS Run Number...: 4097120		

Report Attachment

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.1 COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.

EPA 340.2 Fluoride: Preliminary Bellack distillation not performed.

EPA 8151A: Laboratory utilizes alternate extraction solvent.

Iowa OA-1: Benzene, toluene, ethylbenzene and xylenes (BTEX) not analyzed along with Gasoline Range Organics if client does not require BTEX.

EPA TO-12: Samples are not analyzed in duplicate.

EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

If this package contains reports requiring TRRP (Texas Risk Reduction Program) reporting criteria, the following information applies.

The REPORTING LIMIT is equivalent to the TRRP acronym MQL (method quantitation limit).

The MDL is equivalent to the TRRP acronym SQL (sample quantitation limit).

SEVERN
TRENT

STL

CHAIN-OF-CUSTODY ADDENDUM

Lot No: 14C300228COC NUMBER: 9QUOTE PROFILE: 57889RECEIVED BY: LTDATE/TIME RECEIVED: 3-30-04/0815UNPACKED DATE/TIME: 3-30-04/0830CLIENT/PROJECT: Arcadis

SAMPLES LOGGED IN: LOG-IN REVIEWED:

Number of Shipping Containers Received
with Chain of Custody 6CCLTVOC AIR / FILTER SAMPLES ☐ YES SEE SECTIONS 1.0, 2.0, & 6.01.0 CONTAINERS EXAMINED UPON RECEIPT: LTContainer Sealed: ☒ YES ☐ NOCustody Seal Signed/Dated: ☒ YES ☐ NOCustody Seal Present: ☒ YES ☐ NOContainers checked for radioactivity: ☐ YES ☐ NO ☒ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, list air bill number of that container(s):

2.0 VOC CANISTERS EXAMINED UPON RECEIPT:

Canister Valves Closed: ☐ YES ☐ NOSamples Received Match Chain: ☐ YES ☐ NOCanister Valves Capped: ☐ YES ☐ NOSee Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NO

Packing Material Used: (circle)

Chain-of-Custody form properly maintained: ☐ YES ☐ NO

None / Absorbent / Paper / Bubble Wrap

Can Size: ☐ 6L ☐ 15L Other3.0 SAMPLE TEMPERATURE UPON RECEIPT: LT IR THERMOMETER #: P-5

The temperature of the container(s) is: [acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]

3°C	5°C	3°C	4°C	2°C	3°C						
-----	-----	-----	-----	-----	-----	--	--	--	--	--	--

If temperature is outside acceptable tolerance, Project Manager was notified (____ PM). Date: ____ Time: ____

Samples received do not require cooling

OK to analyze samples: ☐ YES ☐ NOPRESERVATION OF SAMPLES REQUIRED: ☐ NA ☒ YES VERIFIED BY: LTBase samples are >pH 12: ☐ YES ☐ NOAcid preserved are <pH 2: ☒ YES ☐ NO

Cyanide samples checked

Sulfide samples appear

for sulfides: ☐ YESto be preserved with zinc acetate: ☐ YES ☐ NO

Samples checked for chlorine

Free chlorine present: ☐ YES ☐ NOper specification: ☐ YES

If sample preservation is outside acceptable tolerance, Project Manager was notified (____ PM)

Date: ____ Time: ____ ☐ see pH adjustment form

VOLATILE SAMPLES FILLED COMPLETELY, IF NOT, LIST ID AND HEADSPACE OF VOAs CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace
PCA Water Waste	7mm
RAM water Waste	7mm, 11mm
PCA MW-2	7mm
PCA MW-3	8mm

Sample ID	mm Headspace
RAM MW- F	8mm

4.0 CONDITION OF BOTTLES/CONTAINERS

VERIFIED BY: _____

Samples received match COC:

☒ YES ☐ NO

Bottles received intact:

☒ YES ☐ NO

See additional discrepancies/comments section:

☒ YES ☐ NO

Samples received from USDA restricted area:

☐ YES ☒ NO

Chain-of-Custody form properly maintained:

☒ YES ☐ NO

VOA trip blanks included:

☐ YES ☐ NO ☒ N/A

5.0 ADDITIONAL DISCREPANCIES

Appears on COC		Appears on Label		Comments
Sample ID	Date/Time	Sample ID	Date/Time	
PCA MW-5	3-26 / 1511	MW-5 (site PCA)	3-26 / 1532	log per coc
" - 4	3-26 / 1551	MW-4 "	3-26 / 1551	
" - 2	3-26 / 1501	MW-2 "	3-26 / 1501	
" - 6	3-26 / 1532	MW-6 "	3-26 / 1532	
" - 3	3-26 / 1451	MW-3 "	3-26 / 1451	
Ramsey MW-6	3-26 / 1730	MW-6 (site Ramsey)	3-26 / 1720	
RAMMW-B	3-26 / 1645	MW-B "	3-26 / 1645	
RAMMW-F	3-26 / 1700	MW-F "	3-26 / 1700	

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC:

☒ YES ☐ NO Air bill #: _____

Hand-delivered Carrier: _____

Date: _____ Time: _____

7.0 OTHER COMMENTS:

See Attached page

CORRECTIVE ACTION:

Client's Name: _____

Informed verbally on: _____

By: _____

Client's Name: _____

Informed verbally on: _____

By: _____

Sample(s) processed "as is" comments: _____

Samples(s) on hold until: _____

If released, notify: _____

REVIEW:

Project Management: _____

Date: 4/14/04

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Sample Recovered for Arcadis

APMWA0B, APMWA0C, APMWA0D: 9x40mL, 250mL (HNO₃),
125mL (H₂SO₄), 2x125mL

APEX RW-11, APEX RW-10: 9x40mL, 250mL (HNO₃), 500mL (H₂SO₄),
2x250mL

APEX MW-6: 9x40mL, 250mL (HNO₃), 125mL (H₂SO₄), 2x250mL
(40mL for TPH, BTEX, + Methane; HNO₃ for Metals; H₂SO₄ for Nitrate;
nupres. for sulfate + alkalinity)

PCA Water Waste, RAM water waste, Hobbs water waste, NEC water waste:
3x40mL (HCl), 2x1L (none), 125mL (none) (40mL for BTEX; 1L for DRD;
125mL for Cl⁻)

PCA soil waste, RAM soil waste, Hobbs soil waste, NEC soil waste:

Ante Hyd 3-21-04
Ante Drilling 3-25-04
1570

Rattlesnake 3-25-04
1403 1450

APEX 1-2 3-25-03
1170

APEX soil 3-25-04
1200

1x60mL, 1x120mL

Ante Hydroblast water, Stateline water waste, Rattle Snake waste, APEX 1 water
APEX 2 water: 3x40mL (HCl), 2x1L (none), 1x250mL (none)
(40mL for BTEX; 1L for DRD; 250mL for Cl⁻)

Ante Drilling soil, Stateline soil waste, Rattle Snake waste soil, APEX soil
2x120mL

Hobbs GP-MWF: 6x40mL (40mL for TPH + BTEX)

Hobbs GP-MWF: 3x40mL (HCl) (40mL for 8260 var) 125mL (H₂SO₄)

Hobbs GP-MWD: 9x40mL (HCl), 1x250mL (HNO₃), 2x125mL (H₂SO₄)
(40mL for TPH, BTEX, + Methane; 250mL for Metals; 125mL for
Sulfate + Alkalinity; 125mL H₂SO₄ for Nitrate/Nitrite; 2x1L for SPEC)

Hobbs GP-MWB: 9x40mL (HCl), 125mL (H₂SO₄), + 500mL (none)

(40mL for TPH, BTEX, + Methane; 125mL for Nitrate/Nitrite; 500mL
for sulfate + Alkalinity)

Sample Received for Arcadis (cont.)

Hobbs GP-MWA: 9x40 mL (HCl), 125 mL (H_2SO_4), 2x500 mL (none)
 (40 mL for TPH, BTEX, + Methane; 125 mL for NO_3/NO_4 ; 500 mL for SO_4 + Alkalinity)

APEX-mw-7: 9x40 mL (HCl), 500 mL (H_2SO_4), 2x250 mL (none)
 (40 mL for TPH, BTEX, + methane; 500 mL for NO_3/NO_4 ; 250 mL for sulfate + Alkalinity)

HOBBSB-I 0-1', HOBBSB-J 0-1', HOBBSB-J 1-1.5', HOBBSB-J 1.5-2', HOBBSB-K 0-1',
 HOBBSB-L 0-1', HOBBSB-L 1-1.5': 3x120 mL (120 mL (subs) for TPH, BTEX, + metals)

AnteSwab-1, AnteSwab-2: 1x60 mL (w. PCB's) 3-23-04 / 0849

PCAMW-6, PCAMW-5, PCAMW-4, PCAMW-2, PCAMW-3: 9x40 mL (HCl),
 2x250 mL, 500 mL (H_2SO_4)
 (40 mL for TPH, BTEX, + methane; 250 mL for sulfate + Alkalinity;
 500 mL for NO_3/NO_4)

RAMMW-A: 6x40 mL (HCl), 2x125 mL, 1x125 mL (H_2SO_4), 250 mL (HNO_3)
 (40 mL for TPH + BTEX; 125 mL (none) for sulfate + Alkalinity; 125 mL (H_2SO_4) for NO_3/NO_4 ; 250 mL for metals)

RAMSEY MW-6, RAMMW-E, RAMMW-B: 6x40 mL (HCl) (40 mL for TPH + BTEX)

RAMMW-F: 9x40 mL (HCl), 2x125 mL, 1x125 mL (H_2SO_4)
 (40 mL for TPH, BTEX, + methane, 125 mL (none) for sulfate + Alkalinity;
 125 mL (H_2SO_4) for NO_3/NO_4)

Acadix

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID
RA Water/Waste	L	3/21	1630
RA Soil/Waste	S	3/21	1630
RA Soil/Waste	S	3/26	1727
RA Water/Waste	L		1727
Flow Water/Waste	L		945
Flow Soil/Waste	S		945
WE Soil/Waste	S		1035
WE Water/Waste	L		1035

[illegible]

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by: Al Lopez Organization:

Received by: [Signature] Organization: STL

Relinquished by: _____ Organization: _____

Received by: _____
Organization: _____

Special Instructions/Remarks:

Delivery Method: ☐ In Person☐ Common Carrier☐ Lab Courier☐ Other:

SPECIES

SPECIFY

AG 05-0597

ARCADIS GERAGHTY & MILLER

Project Number/Name C-0000489.24.00Project Location SealtonLaboratory ST-Aus. 7

Project Manager Steve Tischler

Acad. S

[illegible]

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by: <u>[Signature]</u>	Organization: _____	Date <u>3/27/04</u>	Time <u>1230</u>	Seal Intact? <u>(yes)</u>
Received by: <u>[Signature]</u>	Organization: _____	Date <u>3/28/04</u>	Time <u>0815</u>	Seal Intact? <u>(yes)</u>

Relinquished by: <u> </u>	Organization: <u> </u>	Date: <u> </u> / <u> </u> / <u> </u>	Time: <u> </u>	Seal Intact?
Received by: <u> </u>	Organization: <u> </u>	Date: <u> </u> / <u> </u> / <u> </u>	Time: <u> </u>	Yes No N/A

Special Instructions/Remarks:

Delivery Method: ☐ In Person ☒ Common Carrier FedEx ☐ Lab Courier ☐ Other _____
SPECIFY _____
AG 05-0397



ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Project Number/Name 6000889-2800
 Project Location SENM
 Laboratory STL-Austin
 Project Manager Steve Tischer
 Sampler(s)/Affiliation Arcadis

ANALYSIS / METHOD / SIZE			
Chlorides	BTEX	TOH 8015m BRO	TOH 8015m BRO
		TOH 8015m BRO	BTEX soil

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID		Remarks	Total
Amc Hydroblast Water	L			1	3	2
Amc Hydroblast Water	S					
Amc Drilling Spills	S					
Starline Waste	L	3/25/04 1230		1	3	2
Starline Waste	S	3/25/04 1230				
Portmanke Waste	L			1	3	2
Portmanke Waste	S					
Apex 1 Waste	L			1	3	2
Apex 2 Waste	L			1	3	2
Apex Soil	S			1	1	2

Sample Matrix: L = Liquid; S = Solid; A = Air.

Total No. of Bottles/
Containers **38**

Relinquished by: [Signature] Organization: STL Date: 3/29/04 Time: 1230 Seal Intact? Yes No N/A

Received by: [Signature] Organization: STL Date: 3/30/04 Time: 2815 Seal Intact? Yes No N/A

Relinquished by: _____ Organization: _____ Date: _____ Time: _____ Seal Intact? Yes No N/A

Received by: _____ Organization: _____ Date: _____ Time: _____ Seal Intact? Yes No N/A

Special Instructions/Remarks: _____

Delivery Method: ☐ In Person ☒ Common Carrier FedEx ☐ Lab Courier ☐ Other _____

SPECIFY

SPECIFY

AG 05-0597

ARCADIS GERAGHTY & MILLER

CHAIN-OF-CUSTODY RECORD Page ____ of ____

Laboratory Task Order No./P.O. No.:

Project Number/Name 1000884.2800

Project Location SE NW 1/4Laboratory ENTL - AuctionsProject Manager
Steve Tischer

Analisis

Sample ID/Location	Matrix	Date/Time Sampled	Time LabID	F _r	R _f	K _{oc} /K _d	A _{OC}	A _{TC}	Remarks	Total
H06656P-MWF	L	3-12-21	1625	3	Σ				4°C / 2T / 3.30-04	6
H06656P-MWF	L		1820	3	Σ			1		1
H06656P-MWD	L		1705	3	Σ	1	1	1		15
H06656P-MWL	L		1810	3	Σ					6
H06656P-MWL	L		1755	3	Σ	1	1	1		12
H06656P-MWA	V	↓	1755	3	Σ	1	1	1		12
APEX - MW-7	L	3-24	755	3	Σ	1	1	1	✓	12

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by: _____	Organization: _____	Date: <u>3/29/04</u>	Time: <u>1230</u>	Seal Intact? _____
Received by: _____	Organization: <u>SFL</u>	Date: <u>3/30/04</u>	Time: <u>0815</u>	Yes No N/A

Relinquished by: _____	Organization: _____	Date: ____/____/____	Time: ____	Seal Intact? _____
Received by: _____	Organization: _____	Date: ____/____/____	Time: ____	Yes No N/A

Special Instructions/Remarks:

Delivery Method:	☒ In Person	☐ Common Carrier	☐ Lab Courier	☐ Other
Delivery Method:	☐ In Person	☒ Common Carrier	☐ Lab Courier	☐ Other



ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name 6000889. 2800

Project Location SENUM

Laboratory STL Austin

Project Manager Sallye Tischer

Sampler(s)/Affiliation ARCADIS

ANALYSIS / METHOD / SIZE			
TPH 8015m	BTEX	Metals	PCB's

Sample ID/Location	Matrix	Date/Time Sampled	Time	Remarks	Total
H10658-10-1)	S	3/23	1030	2 nd RT/3-30-01	3
H10658-30-1)	S		1040		3
H10658-31-1)	S		1040		3
H10658-31-2)	S		1040		3
H10658-40-1)	S		1050		3
H10658-40-1)	S		1100		3
H10658-41-1)	S		1100		3
Antes 506-1					1
Antes 506-2					1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 23

Relinquished by: <u>[Signature]</u>	Organization: <u>STL</u>	Date: <u>3/24/04</u>	Time: <u>1200</u>	Seal Intact? <u>Yes</u>
Received by: <u>[Signature]</u>	Organization: <u>STL</u>	Date: <u>3/20/04</u>	Time: <u>0815</u>	Seal Intact? <u>Yes</u>
Relinquished by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Seal Intact? <u>Yes</u>
Received by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Seal Intact? <u>Yes</u>

Special Instructions/Remarks: _____

306

Delivery Method: ☐ In Person

☒ Common Carrier FedEx

☐ Lab Courier

☐ Other

SPECIFY AG 05-0997

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No.

Project Number/Name 000084.2500

PCA
Project Location

laboratory 576-Austin

Project Manager Steve Tisch

Sampler(s)/Affiliation Accordis

[illegible]

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by: <u>[Signature]</u>	Organization: _____	Date <u>2/27/04</u>	Time <u>12:20</u>	Seal Intact? _____
Received by: <u>[Signature]</u>	Organization: <u>SIL</u>	Date <u>3/26/04</u>	Time <u>0815</u>	Yes No N/A

Seal Intact?	
Yes	No N/A
Relinquished by: _____	Date: ____/____/____ Time: _____
Received by: _____	Date: ____/____/____ Time: _____
Organization: _____	Date: ____/____/____ Time: _____
Organization: _____	Date: ____/____/____ Time: _____

Special Instructions/Remarks:	
-------------------------------	--

Delivery Method: ☐ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other _____
SPECIFY SPECIFY

SPECIFY "AG 05-0597"

Certificate of Analysis

STL Austin • 14046 Summit Drive, Austin, TX 78728 • Tel 512 244 0855 • Fax 512 244 0160 • www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. C0000889.2801

Apex Compressor Station

Lot #: I4C240194

Matt Findley

ARCADIS Geraghty & Miller Inc
630 Plaza Drive
Att: Denver Tech A/P
Suite 200
Highlands Ranch, CO 80129-2377

SEVERN TRENT LABORATORIES, INC.

Neal J. Salcher
Project Manager

April 5, 2004

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

April 6, 2004

STL LOT NUMBER: **I4C240194**

PO/CONTRACT: DFS-APEX Compressor Station

Matt Findley
ARCADIS Geraghty & Miller Inc
630 Plaza Drive
Att: Denver Tech A/P
Suite 200
Highlands Ranch, CO 80129-2377

Dear Matt Findley,

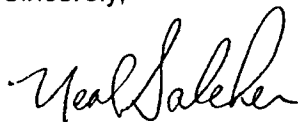
This report contains the analytical results for the nine samples received under chain of custody by Severn Trent Laboratories (STL) on March 23, 2004. These samples are associated with your Apex Compressor Station project.

All applicable quality control procedures met method-specified (SOP) acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (512) 244-0855.

Sincerely,



Neal Salcher
Project Manager

cc: Project File

EXECUTIVE SUMMARY - Detection Highlights

I4C240194

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
APEXCS-ASBP-060 03/21/04 15:40 004				
Gasoline Range Organics	1400	100	ug/kg	SW846 8015B
Ethylbenzene	18	5.0	ug/kg	SW846 8021B
Xylenes (total)	11	5.0	ug/kg	SW846 8021B
Arsenic	1.5	0.90	mg/kg	SW846 6010B
Barium	60.7	18.0	mg/kg	SW846 6010B
Chromium	5.9	0.90	mg/kg	SW846 6010B
Lead	1.7	0.27	mg/kg	SW846 6010B
APEXCS-ASBE-010 03/21/04 11:45 005				
Gasoline Range Organics	1200	100	ug/kg	SW846 8015B
Ethylbenzene	29	5.0	ug/kg	SW846 8021B
Xylenes (total)	11	5.0	ug/kg	SW846 8021B
Arsenic	3.2	0.93	mg/kg	SW846 6010B
Barium	140	18.6	mg/kg	SW846 6010B
Chromium	2.6	0.93	mg/kg	SW846 6010B
Lead	1.8	0.28	mg/kg	SW846 6010B
APEXCS-ASBG-010 03/21/04 09:40 006				
Gasoline Range Organics	3700	97	ug/kg	SW846 8015B
Ethylbenzene	35	4.8	ug/kg	SW846 8021B
Xylenes (total)	51	4.8	ug/kg	SW846 8021B
Arsenic	3.0	0.91	mg/kg	SW846 6010B
Barium	97.1	18.2	mg/kg	SW846 6010B
Chromium	2.1	0.91	mg/kg	SW846 6010B
Lead	1.3	0.27	mg/kg	SW846 6010B
APEXCS-ASBH-060 03/21/04 10:40 007				
Gasoline Range Organics	6500	440	ug/kg	SW846 8015B
Xylenes (total)	63	22	ug/kg	SW846 8021B
Arsenic	1.2	0.92	mg/kg	SW846 6010B
Barium	131	18.4	mg/kg	SW846 6010B
Chromium	4.9	0.92	mg/kg	SW846 6010B
Lead	1.6	0.28	mg/kg	SW846 6010B

ANALYTICAL METHODS SUMMARY

I4C240194

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Hexavalent Chromium	SW846 7196A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Petroleum Hydrocarbons	SW846 8015B
Volatiles by GC	SW846 8021B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

I4C240194

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
GCR8M	001	APEXCS-AMWB-010	03/20/04	09:00
GCR8V	002	APEXCS-AMWC-010	03/20/04	13:20
GCR8X	003	APEXCS-AMWD-010	03/21/04	20:30
GCR81	004	APEXCS-ASBF-060	03/21/04	15:40
GCR83	005	APEXCS-ASBE-010	03/21/04	11:45
GCR84	006	APEXCS-ASBG-010	03/21/04	09:40
GCR87	007	APEXCS-ASBH-060	03/21/04	10:40
GCR88	008	HOBBSGP-AMWB-60	03/22/04	14:40
GCR9F	009	HOBBSGP-AWW	03/22/04	22:15

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

I4C240194

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 7196A		4094133	4094022
	SOLID	SW846 8015B		4089260	4089132
	SOLID	SW846 8021B		4089254	4089126
002	SOLID	SW846 7196A		4094133	4094022
	SOLID	SW846 8015B		4089260	4089132
	SOLID	SW846 8021B		4089254	4089126
003	SOLID	SW846 7196A		4094133	4094022
	SOLID	SW846 8015B		4089260	4089132
	SOLID	SW846 8021B		4089254	4089126
004	SOLID	SW846 7196A		4094133	4094022
	SOLID	SW846 8015B		4089260	4089132
	SOLID	SW846 7471A		4091221	4091077
	SOLID	SW846 6010B		4086429	4086208
	SOLID	SW846 8021B		4089254	4089126
005	SOLID	SW846 7196A		4094133	4094022
	SOLID	SW846 8015B		4089260	4089132
	SOLID	SW846 7471A		4091221	4091077
	SOLID	SW846 6010B		4086429	4086208
	SOLID	SW846 8021B		4089254	4089126
006	SOLID	SW846 7196A		4094133	4094022
	SOLID	SW846 8015B		4089260	4089132
	SOLID	SW846 7471A		4091221	4091077
	SOLID	SW846 6010B		4086429	4086208
	SOLID	SW846 8021B		4089254	4089126
007	SOLID	SW846 7196A		4094133	4094022
	SOLID	SW846 8015B		4089260	4089132
	SOLID	SW846 7471A		4091221	4091077
	SOLID	SW846 6010B		4086429	4086208
	SOLID	SW846 8021B		4089254	4089126
008	SOLID	SW846 8015B		4089260	4089132
	SOLID	SW846 8021B		4089254	4089126
009	WATER	SW846 8015B		4089298	4089159
	WATER	SW846 7470A		4092480	4092218
	WATER	SW846 6010B		4087179	4087059
	WATER	SW846 8021B		4089296	4089200

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-AMWB-010

GC Volatiles

Lot-Sample #....: I4C240194-001 Work Order #....: GCR8M1AA Matrix.....: SOLID
Date Sampled...: 03/20/04 09:00 Date Received...: 03/23/04 MS Run #.....: 4089132
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089260 Analysis Time...: 13:11
Dilution Factor: 1.01
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(37 - 153)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-AMWB-010

GC Volatiles

Lot-Sample #....: I4C240194-001 Work Order #....: GCR8M1AC Matrix.....: SOLID
Date Sampled....: 03/20/04 09:00 Date Received...: 03/23/04 MS Run #.....: 4089126
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089254 Analysis Time...: 13:11
Dilution Factor: 1.01
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	93	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	100	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-AMWB-010

General Chemistry

Lot-Sample #....: I4C240194-001 Work Order #....: GCR8M Matrix.....: SOLID
Date Sampled....: 03/20/04 09:00 Date Received...: 03/23/04
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Hexavalent Chromium	ND	0.40	mg/kg	SW846 7196A	04/03/04	4094133

Dilution Factor: 1

Analysis Time...: 10:12

MS Run #.....: 4094022

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-AMWC-010

GC Volatiles

Lot-Sample #....: I4C240194-002 Work Order #....: GCR8V1AA Matrix.....: SOLID
Date Sampled....: 03/20/04 13:20 Date Received...: 03/23/04 MS Run #.....: 4089132
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089260 Analysis Time...: 13:39
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	89	(37 - 153)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-AMWC-010

GC Volatiles

Lot-Sample #....: I4C240194-002 Work Order #....: GCR8V1AC Matrix.....: SOLID
Date Sampled....: 03/20/04 13:20 Date Received...: 03/23/04 MS Run #.....: 4089126
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089254 Analysis Time...: 13:39
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	94	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	105	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-AMWC-010

General Chemistry

Lot-Sample #....: I4C240194-002 Work Order #....: GCR8V Matrix.....: SOLID
Date Sampled....: 03/20/04 13:20 Date Received...: 03/23/04
% Moisture.....:

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.40	mg/kg	SW846 7196A	04/03/04	4094133

Dilution Factor: 1

Analysis Time...: 10:15

MS Run #.....: 4094022

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-AMWD-010

GC Volatiles

Lot-Sample #....: I4C240194-003 Work Order #....: GCR8X1AA Matrix.....: SOLID
Date Sampled....: 03/21/04 20:30 Date Received...: 03/23/04 MS Run #.....: 4089132
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089260 Analysis Time...: 14:08
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	92	(37 - 153)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-AMWD-010

GC Volatiles

Lot-Sample #....: I4C240194-003 Work Order #....: GCR8X1AC Matrix.....: SOLID
Date Sampled....: 03/21/04 20:30 Date Received...: 03/23/04 MS Run #.....: 4089126
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089254 Analysis Time...: 14:08
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	ND	5.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY
		LIMITS
Bromofluorobenzene	94	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	104	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-AMWD-010

General Chemistry

Lot-Sample #....: I4C240194-003 Work Order #....: GCR8X Matrix.....: SOLID
Date Sampled....: 03/21/04 20:30 Date Received...: 03/23/04
% Moisture.....:

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.40	mg/kg	SW846 7196A	04/03/04	4094133

Dilution Factor: 1

Analysis Time...: 10:16

MS Run #.....: 4094022

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBF-060

GC Volatiles

Lot-Sample #....: I4C240194-004 Work Order #....: GCR811AC Matrix.....: SOLID
Date Sampled....: 03/21/04 15:40 Date Received...: 03/23/04 MS Run #.....: 4089132
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089260 Analysis Time...: 14:36
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	1400	100	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	68	(37 - 153)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBF-060

GC Volatiles

Lot-Sample #....: I4C240194-004 Work Order #....: GCR811AD Matrix.....: SOLID
Date Sampled....: 03/21/04 15:40 Date Received...: 03/23/04 MS Run #.....: 4089126
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089254 Analysis Time...: 14:36
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.0	ug/kg
Ethylbenzene	18	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	11	5.0	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	41	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	71	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBF-060

TOTAL Metals

Lot-Sample #....: I4C240194-004

Matrix.....: SOLID

Date Sampled....: 03/21/04 15:40 Date Received...: 03/23/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4086429						
Silver	ND	0.90	mg/kg	SW846 6010B	03/26-03/29/04	GCR811AE
		Dilution Factor: 0.9		Analysis Time...: 13:02	MS Run #.....: 4086208	
Arsenic	1.5	0.90	mg/kg	SW846 6010B	03/26-03/29/04	GCR811AF
		Dilution Factor: 0.9		Analysis Time...: 13:02	MS Run #.....: 4086208	
Barium	60.7	18.0	mg/kg	SW846 6010B	03/26-03/29/04	GCR811AG
		Dilution Factor: 0.9		Analysis Time...: 13:02	MS Run #.....: 4086208	
Cadmium	ND	0.45	mg/kg	SW846 6010B	03/26-03/29/04	GCR811AH
		Dilution Factor: 0.9		Analysis Time...: 13:02	MS Run #.....: 4086208	
Chromium	5.9	0.90	mg/kg	SW846 6010B	03/26-03/29/04	GCR811AJ
		Dilution Factor: 0.9		Analysis Time...: 13:02	MS Run #.....: 4086208	
Lead	1.7	0.27	mg/kg	SW846 6010B	03/26-03/29/04	GCR811AK
		Dilution Factor: 0.9		Analysis Time...: 13:02	MS Run #.....: 4086208	
Selenium	ND	0.45	mg/kg	SW846 6010B	03/26-03/29/04	GCR811AL
		Dilution Factor: 0.9		Analysis Time...: 13:02	MS Run #.....: 4086208	
Prep Batch #....: 4091221						
Mercury	ND W	0.073	mg/kg	SW846 7471A	03/29-03/31/04	GCR811AA
		Dilution Factor: 0.73		Analysis Time...: 11:18	MS Run #.....: 4091077	

NOTE(S) :

W Post digestion spike recovery is outside control limits.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBF-060

General Chemistry

Lot-Sample #....: I4C240194-004 Work Order #....: GCR81 Matrix.....: SOLID
Date Sampled....: 03/21/04 15:40 Date Received...: 03/23/04
% Moisture.....:

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.40	mg/kg	SW846 7196A	04/03/04	4094133

Dilution Factor: 1

Analysis Time...: 10:17

MS Run #.....: 4094022

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBE-010

GC Volatiles

Lot-Sample #....: I4C240194-005 Work Order #....: GCR832AC Matrix.....: SOLID
Date Sampled....: 03/21/04 11:45 Date Received...: 03/23/04 MS Run #.....: 4089132
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089260 Analysis Time...: 22:21
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	1200	100	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	37	(37 - 153)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBB-010

GC Volatiles

Lot-Sample #....: I4C240194-005 Work Order #....: GCR831AD Matrix.....: SOLID
Date Sampled....: 03/21/04 11:45 Date Received...: 03/23/04 MS Run #.....: 4089126
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089254 Analysis Time...: 15:05
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Ethylbenzene	29	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Xylenes (total)	11	5.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	44	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	58	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBE-010

TOTAL Metals

Lot-Sample #....: I4C240194-005

Matrix.....: SOLID

Date Sampled....: 03/21/04 11:45 Date Received...: 03/23/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4086429						
Silver	ND	0.93	mg/kg	SW346 6010B	03/26-03/29/04	GCR831AE
		Dilution Factor: 0.93		Analysis Time...: 13:29	MS Run #.....: 4086208	
Arsenic	3.2	0.93	mg/kg	SW346 6010B	03/26-03/29/04	GCR831AF
		Dilution Factor: 0.93		Analysis Time...: 13:29	MS Run #.....: 4086208	
Barium	140	18.6	mg/kg	SW346 6010B	03/26-03/29/04	GCR831AG
		Dilution Factor: 0.93		Analysis Time...: 13:29	MS Run #.....: 4086208	
Cadmium	ND	0.46	mg/kg	SW846 6010B	03/26-03/29/04	GCR831AH
		Dilution Factor: 0.93		Analysis Time...: 13:29	MS Run #.....: 4086208	
Chromium	2.6	0.93	mg/kg	SW846 6010B	03/26-03/29/04	GCR831AJ
		Dilution Factor: 0.93		Analysis Time...: 13:29	MS Run #.....: 4086208	
Lead	1.8	0.28	mg/kg	SW846 6010B	03/26-03/29/04	GCR831AK
		Dilution Factor: 0.93		Analysis Time...: 13:29	MS Run #.....: 4086208	
Selenium	ND	0.46	mg/kg	SW846 6010B	03/26-03/29/04	GCR831AL
		Dilution Factor: 0.93		Analysis Time...: 13:29	MS Run #.....: 4086208	
Prep Batch #....: 4091221						
Mercury	ND	0.089	mg/kg	SW846 7471A	03/29-03/31/04	GCR831AA
		Dilution Factor: 0.89		Analysis Time...: 11:27	MS Run #.....: 4091077	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBR-010

General Chemistry

Lot-Sample #...: I4C240194-005 Work Order #...: GCR83 Matrix.....: SOLID
Date Sampled...: 03/21/04 11:45 Date Received...: 03/23/04
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Hexavalent Chromium	ND	0.40	mg/kg	SW846 7196A	04/03/04	4094133

Dilution Factor: 1

Analysis Time...: 10:18

MS Run #.....: 4094022

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBG-010

GC Volatiles

Lot-Sample #....: I4C240194-006 Work Order #....: GCR841AC Matrix.....: SOLID
Date Sampled....: 03/21/04 09:40 Date Received...: 03/23/04 MS Run #.....: 4089132
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089260 Analysis Time...: 15:33
Dilution Factor: 0.97
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	3700	97	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	38	(37 - 153)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBG-010

GC Volatiles

Lot-Sample #....: I4C240194-006 Work Order #....: GCR841AD Matrix.....: SOLID
 Date Sampled....: 03/21/04 09:40 Date Received...: 03/23/04 MS Run #.....: 4089126
 Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
 Prep Batch #....: 4089254 Analysis Time...: 15:33
 Dilution Factor: 0.97
 % Moisture.....: Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	4.8	ug/kg
Ethylbenzene	35	4.8	ug/kg
Toluene	ND	4.8	ug/kg
Xylenes (total)	51	4.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	78	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	49	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBG-010

TOTAL Metals

Lot-Sample #....: I4C240194-006

Matrix.....: SOLID

Date Sampled....: 03/21/04 09:40 Date Received...: 03/23/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4086429						
Silver	ND	0.91	mg/kg	SW846 6010B	03/26-03/29/04	GCR841AE
		Dilution Factor: 0.91		Analysis Time...: 13:35	MS Run #.....: 4086208	
Arsenic	3.0	0.91	mg/kg	SW846 6010B	03/26-03/29/04	GCR841AF
		Dilution Factor: 0.91		Analysis Time...: 13:35	MS Run #.....: 4086208	
Barium	97.1	18.2	mg/kg	SW846 6010B	03/26-03/29/04	GCR841AG
		Dilution Factor: 0.91		Analysis Time...: 13:35	MS Run #.....: 4086208	
Cadmium	ND	0.46	mg/kg	SW846 6010B	03/26-03/29/04	GCR841AH
		Dilution Factor: 0.91		Analysis Time...: 13:35	MS Run #.....: 4086208	
Chromium	2.1	0.91	mg/kg	SW846 6010B	03/26-03/29/04	GCR841AJ
		Dilution Factor: 0.91		Analysis Time...: 13:35	MS Run #.....: 4086208	
Lead	1.3	0.27	mg/kg	SW846 6010B	03/26-03/29/04	GCR841AK
		Dilution Factor: 0.91		Analysis Time...: 13:35	MS Run #.....: 4086208	
Selenium	ND	0.46	mg/kg	SW846 6010B	03/26-03/29/04	GCR841AL
		Dilution Factor: 0.91		Analysis Time...: 13:35	MS Run #.....: 4086208	
Prep Batch #....: 4091221						
Mercury	ND	0.096	mg/kg	SW846 7471A	03/29-03/31/04	GCR841AA
		Dilution Factor: 0.96		Analysis Time...: 11:29	MS Run #.....: 4091077	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBG-010

General Chemistry

Lot-Sample #....: I4C240194-006 Work Order #....: GCR84 Matrix.....: SOLID
Date Sampled....: 03/21/04 09:40 Date Received...: 03/23/04
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Hexavalent Chromium	ND	0.40	mg/kg	SW846 7196A	04/03/04	4094133

Dilution Factor: 1

Analysis Time...: 10:19

MS Run #.....: 4094022

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBH-060

GC Volatiles

Lot-Sample #....: I4C240194-007 Work Order #....: GCR871AC Matrix.....: SOLID
Date Sampled....: 03/21/04 10:40 Date Received...: 03/23/04 MS Run #.....: 4089132
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089260 Analysis Time...: 22:49
Dilution Factor: 4.35
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	6500	440	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	37	(37 - 153)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBH-060

GC Volatiles

Lot-Sample #....: I4C240194-007 Work Order #....: GCR871AD Matrix.....: SOLID
Date Sampled...: 03/21/04 10:40 Date Received...: 03/23/04 MS Run #.....: 4089126
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089254 Analysis Time...: 22:49
Dilution Factor: 4.35
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	22	ug/kg
Ethylbenzene	ND	22	ug/kg
Toluene	ND	22	ug/kg
Xylenes (total)	63	22	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	56	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	81	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBH-060

TOTAL Metals

Lot-Sample #....: I4C240194-007

Matrix.....: SOLID

Date Sampled....: 03/21/04 10:40 Date Received...: 03/23/04

% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 4086429						
Silver	ND	0.92	mg/kg	SW846 6010B	03/26-03/29/04	GCR871AE
		Dilution Factor: 0.92		Analysis Time...: 13:40	MS Run #.....: 4086208	
Arsenic	1.2	0.92	mg/kg	SW846 6010B	03/26-03/29/04	GCR871AF
		Dilution Factor: 0.92		Analysis Time...: 13:40	MS Run #.....: 4086208	
Barium	131	18.4	mg/kg	SW846 6010B	03/26-03/29/04	GCR871AG
		Dilution Factor: 0.92		Analysis Time...: 13:40	MS Run #.....: 4086208	
Cadmium	ND	0.46	mg/kg	SW846 6010B	03/26-03/29/04	GCR871AH
		Dilution Factor: 0.92		Analysis Time...: 13:40	MS Run #.....: 4086208	
Chromium	4.9	0.92	mg/kg	SW846 6010B	03/26-03/29/04	GCR871AJ
		Dilution Factor: 0.92		Analysis Time...: 13:40	MS Run #.....: 4086208	
Lead	1.6	0.28	mg/kg	SW846 6010B	03/26-03/29/04	GCR871AK
		Dilution Factor: 0.92		Analysis Time...: 13:40	MS Run #.....: 4086208	
Selenium	ND	0.46	mg/kg	SW846 6010B	03/26-03/29/04	GCR871AL
		Dilution Factor: 0.92		Analysis Time...: 13:40	MS Run #.....: 4086208	
Prep Batch #....: 4091221						
Mercury	ND	0.096	mg/kg	SW846 7471A	03/29-03/31/04	GCR871AA
		Dilution Factor: 0.96		Analysis Time...: 11:30	MS Run #.....: 4091077	

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: APEXCS-ASBH-060

General Chemistry

Lot-Sample #....: I4C240194-007 Work Order #....: GCR87 Matrix.....: SOLID
Date Sampled....: 03/21/04 10:40 Date Received...: 03/23/04
% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Hexavalent Chromium	ND	0.40	mg/kg	SW846 7196A	04/03/04	4094133

Dilution Factor: 1

Analysis Time...: 10:20

MS Run #.....: 4094022

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-AMWB-60

GC Volatiles

Lot-Sample #....: I4C240194-008 Work Order #....: GCR381AA Matrix.....: SOLID
Date Sampled....: 03/22/04 14:40 Date Received...: 03/23/04 MS Run #.....: 4089132
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089260 Analysis Time...: 19:04
Dilution Factor: 0.96
% Moisture.....: Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	96	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	78	(37 - 153)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-AMWB-60

GC Volatiles

Lot-Sample #....: I4C240194-008 Work Order #....: GCR881AC Matrix.....: SOLID
Date Sampled....: 03/22/04 14:40 Date Received...: 03/23/04 MS Run #.....: 4089126
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089254 Analysis Time...: 19:04
Dilution Factor: 0.96
% Moisture.....: Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND		4.8	ug/kg
Ethylbenzene	ND		4.8	ug/kg
Toluene	ND		4.8	ug/kg
Xylenes (total)	ND		4.8	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Bromofluorobenzene	92	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	107	(43 - 165)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-AWW

GC Volatiles

Lot-Sample #....: I4C240194-009 Work Order #....: GCR9F1AC Matrix.....: WATER
Date Sampled....: 03/22/04 22:15 Date Received...: 03/23/04 MS Run #.....: 4089159
Prep Date.....: 03/28/04 Analysis Date...: 03/28/04
Prep Batch #....: 4089298 Analysis Time...: 16:58
Dilution Factor: 1
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	100	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	88	(75 - 122)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-AWW

GC Volatiles

Lot-Sample #....: I4C240194-009 Work Order #....: GCR9F1AA Matrix.....: WATER
Date Sampled....: 03/22/04 22:15 Date Received...: 03/23/04 MS Run #.....: 4089200
Prep Date.....: 03/28/04 Analysis Date...: 03/28/04
Prep Batch #....: 4089296 Analysis Time...: 16:58
Dilution Factor: 1
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	96	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	91	(73 - 135)

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: HOBBSGP-AWW

TOTAL Metals

Lot-Sample #...: I4C240194-009

Matrix.....: WATER

Date Sampled...: 03/22/04 22:15 Date Received...: 03/23/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4087179						
Silver	ND	0.0050	mg/L	SW846 6010B	03/27-03/30/04	GCR9F1AD
		Dilution Factor: 1		Analysis Time...: 13:41	MS Run #.....: 4087059	
Arsenic	ND	0.010	mg/L	SW846 6010B	03/27-03/30/04	GCR9F1AE
		Dilution Factor: 1		Analysis Time...: 13:41	MS Run #.....: 4087059	
Barium	ND	0.20	mg/L	SW846 6010B	03/27-03/30/04	GCR9F1AF
		Dilution Factor: 1		Analysis Time...: 13:41	MS Run #.....: 4087059	
Cadmium	ND	0.0020	mg/L	SW846 6010B	03/27-03/30/04	GCR9F1AG
		Dilution Factor: 1		Analysis Time...: 13:41	MS Run #.....: 4087059	
Chromium	ND	0.0050	mg/L	SW846 6010B	03/27-03/30/04	GCR9F1AH
		Dilution Factor: 1		Analysis Time...: 13:41	MS Run #.....: 4087059	
Lead	ND	0.0030	mg/L	SW846 6010B	03/27-03/30/04	GCR9F1AJ
		Dilution Factor: 1		Analysis Time...: 13:41	MS Run #.....: 4087059	
Selenium	ND	0.0050	mg/L	SW346 6010B	03/27-03/30/04	GCR9F1AK
		Dilution Factor: 1		Analysis Time...: 13:41	MS Run #.....: 4087059	
Prep Batch #...: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GCR9F1AL
		Dilution Factor: 1		Analysis Time...: 00:00	MS Run #.....: 4092218	

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4C240194
MB Lot-Sample #: I4C290000-260

Work Order #...: GC4LM1AA

Matrix.....: SOLID

Analysis Date...: 03/25/04

Prep Date.....: 03/25/04

Analysis Time...: 12:31

Dilution Factor: 1

Prep Batch #...: 4089260

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Gasoline Range Organics	ND	100	ug/kg	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	99	(37 - 153)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I4C240194
MB Lot-Sample #: I4C290000-298

Work Order #...: GC4131AA

Matrix.....: WATER

Analysis Date...: 03/28/04
Dilution Factor: 1

Prep Date.....: 03/28/04
Prep Batch #...: 4089298

Analysis Time...: 14:17

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Gasoline Range Organics	ND	100	ug/L	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO	92	(75 - 122)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4C240194
MB Lot-Sample #: I4C290000-254

Work Order #....: GC4KF1AA

Matrix.....: SOLID

Analysis Date...: 03/25/04

Prep Date.....: 03/25/04

Analysis Time...: 12:31

Dilution Factor: 1

Prep Batch #....: 4089254

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Benzene	ND	5.0	ug/kg	SW846 8021B
Ethylbenzene	ND	5.0	ug/kg	SW846 8021B
Toluene	ND	5.0	ug/kg	SW846 8021B
Xylenes (total)	ND	5.0	ug/kg	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	93	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	99	(43 - 165)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: I4C240194
MB Lot-Sample #: I4C290000-296

Work Order #....: GC41T1AA

Matrix.....: WATER

Analysis Date...: 03/28/04
Dilution Factor: 1

Prep Date.....: 03/23/04

Analysis Time...: 14:17

Prep Batch #....: 4089296

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Benzene	ND	1.0	ug/L	SW846 8021B
Ethylbenzene	ND	1.0	ug/L	SW846 8021B
Toluene	ND	1.0	ug/L	SW846 8021B
Xylenes (total)	ND	3.0	ug/L	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	98	(81 - 119)
a,a,a-Trifluorotoluene (TFT)	93	(73 - 135)

NOTE(S) :

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I4C260000-429 Prep Batch #....: 4086429						
Arsenic	ND	1.0	mg/kg	SW846 6010B	03/26-03/29/04	GC1361AC
		Dilution Factor: 1				
		Analysis Time...: 12:51				
Barium	ND	20.0	mg/kg	SW846 6010B	03/26-03/29/04	GC1361AD
		Dilution Factor: 1				
		Analysis Time...: 12:51				
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/26-03/29/04	GC1361AE
		Dilution Factor: 1				
		Analysis Time...: 12:51				
Chromium	ND	1.0	mg/kg	SW846 6010B	03/26-03/29/04	GC1361AF
		Dilution Factor: 1				
		Analysis Time...: 12:51				
Lead	ND	0.30	mg/kg	SW846 6010B	03/26-03/29/04	GC1361AG
		Dilution Factor: 1				
		Analysis Time...: 12:51				
Selenium	ND	0.50	mg/kg	SW846 6010B	03/26-03/29/04	GC1361AH
		Dilution Factor: 1				
		Analysis Time...: 12:51				
Silver	ND	1.0	mg/kg	SW846 6010B	03/26-03/29/04	GC1361AA
		Dilution Factor: 1				
		Analysis Time...: 12:51				
MB Lot-Sample #: I4C310000-221 Prep Batch #....: 4091221						
Mercury	ND	0.10	mg/kg	SW846 7471A	03/29-03/31/04	GC8NT1AA
		Dilution Factor: 1				
		Analysis Time...: 11:15				

NOTE(S) :

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I4C270000-179 Prep Batch #....: 4087179						
Arsenic	ND	0.010	mg/L	SWB46 6010B	03/27-03/30/04	GC3XA1AG
		Dilution Factor: 1				
		Analysis Time...: 13:24				
Barium	ND	0.20	mg/L	SWB46 6010B	03/27-03/30/04	GC3XA1AH
		Dilution Factor: 1				
		Analysis Time...: 13:24				
Cadmium	ND	0.0020	mg/L	SW846 6010B	03/27-03/30/04	GC3XA1AJ
		Dilution Factor: 1				
		Analysis Time...: 13:24				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/27-03/30/04	GC3XA1AN
		Dilution Factor: 1				
		Analysis Time...: 13:24				
Lead	ND	0.0030	mg/L	SW846 6010B	03/27-03/30/04	GC3XA1AK
		Dilution Factor: 1				
		Analysis Time...: 13:24				
Selenium	ND	0.0050	mg/L	SW846 6010B	03/27-03/30/04	GC3XA1AL
		Dilution Factor: 1				
		Analysis Time...: 13:24				
Silver	ND	0.0050	mg/L	SW846 6010B	03/27-03/30/04	GC3XA1AM
		Dilution Factor: 1				
		Analysis Time...: 13:24				
MB Lot-Sample #: I4D010000-480 Prep Batch #....: 4092480						
Mercury	ND	0.00020	mg/L	SW846 7470A	04/02/04	GDDAV1AA
		Dilution Factor: 1				
		Analysis Time...: 00:00				

NOTE(S) :

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

METHOD BLANK REPORT

General Chemistry

Client Lot #....: I4C240194

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.40	mg/kg	SW846 7196A	04/03/04	4094133
Work Order #: GDG281AA MB Lot-Sample #: I4D030000-133						
Dilution Factor: 1						
Analysis Time...: 10:09						

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I4C240194 Work Order #...: GC4LM1AC Matrix.....: SOLID
LCS Lot-Sample#: I4C290000-260
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #...: 4089260 Analysis Time...: 11:44
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	89	(66 - 129)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO	95	(49 - 147)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GC4LM1AC Matrix.....: SOLID
LCS Lot-Sample#: I4C290000-260
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #....: 4089260 Analysis Time...: 11:44
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Gasoline Range Organics	2000	1780	ug/kg	89	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	95	(49 - 147)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GC4131AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I4C290000-298 GC4131AD-LCSD
Prep Date.....: 03/28/04 Analysis Date...: 03/23/04
Prep Batch #....: 4089298 Analysis Time...: 12:00
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	104	(85 - 115)			SW846 8015B
	105	(85 - 115)	0.96	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene (GRO)	89	(81 - 123)
	90	(81 - 123)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GC4131AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C290000-298 GC4131AD-LCSD
 Prep Date.....: 03/28/04 Analysis Date...: 03/28/04
 Prep Batch #....: 4089298 Analysis Time...: 12:00
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Gasoline Range Organics	2000	2080	ug/L	104		SW846 8015B
	2000	2100	ug/L	105	0.96	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene (GRO)	89	(81 - 123)
	90	(81 - 123)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I4C240194 Work Order #...: GC4KF1AC Matrix.....: SOLID
LCS Lot-Sample#: I4C290000-254
Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
Prep Batch #...: 4089254 Analysis Time...: 10:10
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	103	(73 - 128)	SW846 8021B
Ethylbenzene	98	(73 - 136)	SW846 8021B
Toluene	102	(71 - 129)	SW846 8021B
Xylenes (total)	99	(74 - 130)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	94	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	100	(67 - 125)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GC4KF1AC Matrix.....: SOLID
 LCS Lot-Sample#: I4C290000-254
 Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
 Prep Batch #....: 4089254 Analysis Time...: 10:10
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Benzene	20.0	20.5	ug/kg	103	SW846 8021B
Ethylbenzene	20.0	19.5	ug/kg	98	SW846 8021B
Toluene	20.0	20.3	ug/kg	102	SW846 8021B
Xylenes (total)	60.0	59.3	ug/kg	99	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Bromofluorobenzene	94	(71 - 133)
a,a,a-Trifluorotoluene (TFT)	100	(67 - 125)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GC41T1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C290000-296 GC41T1AD-LCSD
 Prep Date.....: 03/28/04 Analysis Date...: 03/28/04
 Prep Batch #....: 4089296 Analysis Time...: 13:02
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	110	(85 - 115)			SW846 8021B
	111	(85 - 115)	1.3	(0-20)	SW846 8021B
Ethylbenzene	111	(85 - 115)			SW846 8021B
	111	(85 - 115)	0.0	(0-20)	SW846 8021B
Toluene	102	(85 - 115)			SW846 8021B
	103	(85 - 115)	0.50	(0-20)	SW846 8021B
Xylenes (total)	104	(85 - 115)			SW846 8021B
	103	(85 - 115)	0.90	(0-20)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	94	(85 - 111)
	94	(85 - 111)
a, a, a-Trifluorotoluene (TFT)	93	(84 - 114)
	94	(84 - 114)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: I4C240194 Work Order #...: GC41T1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I4C290000-296 GC41T1AD-LCSD
 Prep Date.....: 03/28/04 Analysis Date...: 03/28/04
 Prep Batch #...: 4089296 Analysis Time...: 13:02
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	22.0	ug/L	110		SW846 8021B
	20.0	22.3	ug/L	111	1.3	SW846 8021B
Ethylbenzene	20.0	22.2	ug/L	111		SW846 8021B
	20.0	22.2	ug/L	111	0.0	SW846 8021B
Toluene	20.0	20.5	ug/L	102		SW846 8021B
	20.0	20.6	ug/L	103	0.50	SW846 8021B
Xylenes (total)	60.0	62.7	ug/L	104		SW846 8021B
	60.0	62.1	ug/L	103	0.90	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(85 - 111)
	94	(85 - 111)
a,a,a-Trifluorotoluene (TFT)	93	(84 - 114)
	94	(84 - 114)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4C260000-429 Prep Batch #....: 4086429					
Silver	98	(80 - 120)	SW846 6010B	03/26-03/29/04	GC1361AJ
		Dilution Factor: 1		Analysis Time...: 12:56	
Arsenic	92	(80 - 120)	SW846 6010B	03/26-03/29/04	GC1361AK
		Dilution Factor: 1		Analysis Time...: 12:56	
Barium	96	(80 - 120)	SW846 6010B	03/26-03/29/04	GC1361AL
		Dilution Factor: 1		Analysis Time...: 12:56	
Cadmium	95	(80 - 120)	SW846 6010B	03/26-03/29/04	GC1361AM
		Dilution Factor: 1		Analysis Time...: 12:56	
Chromium	94	(80 - 120)	SW846 6010B	03/26-03/29/04	GC1361AN
		Dilution Factor: 1		Analysis Time...: 12:56	
Lead	95	(80 - 120)	SW846 6010B	03/26-03/29/04	GC1361AP
		Dilution Factor: 1		Analysis Time...: 12:56	
Selenium	91	(80 - 120)	SW846 6010B	03/26-03/29/04	GC1361AQ
		Dilution Factor: 1		Analysis Time...: 12:56	
LCS Lot-Sample#: I4C310000-221 Prep Batch #....: 4091221					
Mercury	109	(80 - 120)	SW846 7471A	03/29-03/31/04	GC8NT1AC
		Dilution Factor: 1		Analysis Time...: 11:17	

NOTE(S) :

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4C260000-429 Prep Batch #....: 4086429							
Silver	10.0	9.78	mg/kg	98	SW846 6010B	03/26-03/29/04	GC1361AJ
			Dilution Factor: 1		Analysis Time...: 12:56		
Arsenic	50.0	46.0	mg/kg	92	SW846 6010B	03/26-03/29/04	GC1361AK
			Dilution Factor: 1		Analysis Time...: 12:56		
Barium	50.0	48.0	mg/kg	96	SW846 6010B	03/26-03/29/04	GC1361AL
			Dilution Factor: 1		Analysis Time...: 12:56		
Cadmium	50.0	47.6	mg/kg	95	SW846 6010B	03/26-03/29/04	GC1361AM
			Dilution Factor: 1		Analysis Time...: 12:56		
Chromium	50.0	46.8	mg/kg	94	SW846 6010B	03/26-03/29/04	GC1361AN
			Dilution Factor: 1		Analysis Time...: 12:56		
Lead	50.0	47.4	mg/kg	95	SW846 6010B	03/26-03/29/04	GC1361AP
			Dilution Factor: 1		Analysis Time...: 12:56		
Selenium	50.0	45.5	mg/kg	91	SW846 6010B	03/26-03/29/04	GC1361AQ
			Dilution Factor: 1		Analysis Time...: 12:56		
LCS Lot-Sample#: I4C310000-221 Prep Batch #....: 4091221							
Mercury	0.417	0.455	mg/kg	109	SW846 7471A	03/29-03/31/04	GC8NT1AC
			Dilution Factor: 1		Analysis Time...: 11:17		

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4C270000-179 Prep Batch #....: 4087179					
Arsenic	99	(80 - 120)	SW846 6010B	03/27-03/30/04	GC3XA1AP
		Dilution Factor: 1		Analysis Time...: 13:30	
Barium	102	(80 - 120)	SW846 6010B	03/27-03/30/04	GC3XA1AQ
		Dilution Factor: 1		Analysis Time...: 13:30	
Cadmium	99	(80 - 120)	SW846 6010B	03/27-03/30/04	GC3XA1AR
		Dilution Factor: 1		Analysis Time...: 13:30	
Lead	98	(80 - 120)	SW846 6010B	03/27-03/30/04	GC3XA1AT
		Dilution Factor: 1		Analysis Time...: 13:30	
Selenium	99	(80 - 120)	SW846 6010B	03/27-03/30/04	GC3XA1AU
		Dilution Factor: 1		Analysis Time...: 13:30	
Silver	101	(80 - 120)	SW846 6010B	03/27-03/30/04	GC3XA1AV
		Dilution Factor: 1		Analysis Time...: 13:30	
Chromium	96	(80 - 120)	SW846 6010B	03/27-03/30/04	GC3XA1AW
		Dilution Factor: 1		Analysis Time...: 13:30	
LCS Lot-Sample#: I4D010000-480 Prep Batch #....: 4092480					
Mercury	101	(80 - 120)	SW846 7470A	04/02/04	GDDAV1AC
		Dilution Factor: 1		Analysis Time...: 00:00	

NOTE(S) :

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4C270000-179 Prep Batch #....: 4087179							
Arsenic	0.500	0.496	mg/L	99	SW846 6010B	03/27-03/30/04	GC3XA1AP
			Dilution Factor: 1		Analysis Time...: 13:30		
Barium	0.500	0.511	mg/L	102	SW846 6010B	03/27-03/30/04	GC3XA1AQ
			Dilution Factor: 1		Analysis Time...: 13:30		
Cadmium	0.500	0.493	mg/L	99	SW846 6010B	03/27-03/30/04	GC3XA1AR
			Dilution Factor: 1		Analysis Time...: 13:30		
Lead	0.500	0.491	mg/L	98	SW846 6010B	03/27-03/30/04	GC3XA1AT
			Dilution Factor: 1		Analysis Time...: 13:30		
Selenium	0.500	0.496	mg/L	99	SW846 6010B	03/27-03/30/04	GC3XA1AU
			Dilution Factor: 1		Analysis Time...: 13:30		
Silver	0.100	0.101	mg/L	101	SW846 6010B	03/27-03/30/04	GC3XA1AV
			Dilution Factor: 1		Analysis Time...: 13:30		
Chromium	0.500	0.482	mg/L	96	SW846 6010B	03/27-03/30/04	GC3XA1AW
			Dilution Factor: 1		Analysis Time...: 13:30		
LCS Lot-Sample#: I4D010000-480 Prep Batch #....: 4092480							
Mercury	0.00500	0.00504	mg/L	101	SW846 7470A	04/02/04	GDDAV1AC
			Dilution Factor: 1		Analysis Time...: 00:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I4C240194

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Hexavalent Chromium	100	(80 - 120)	SW846 7196A	04/03/04	4094133
		Dilution Factor: 1		Analysis Time...: 10:11	

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: I4C240194

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	0.500	0.500	mg/kg	100	SW846 7196A	04/03/04	4094133

Work Order #: GDG281AC LCS Lot-Sample#: I4D030000-133
Dilution Factor: 1 Analysis Time...: 10:11

NOTE(S) :

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: I4C240194 Work Order #...: GCR8M1AG-MS Matrix.....: SOLID
 MS Lot-Sample #: I4C240194-001 GCR8M1AH-MSD
 Date Sampled...: 03/20/04 09:00 Date Received...: 03/23/04 MS Run #.....: 4089132
 Prep Date.....: 03/25/04 Analysis Date...: 03/26/04
 Prep Batch #...: 4089260 Analysis Time...: 00:42
 Dilution Factor: 0.99 % Moisture.....:

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	96	(66 - 129)			SW846 8015B
	94	(66 - 129)	1.4	(0-30)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	97	(37 - 153)
	93	(37 - 153)

NOTE(S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GCR8M1AG-MS Matrix.....: SOLID
 MS Lot-Sample #: I4C240194-001 GCR8M1AH-MSD
 Date Sampled....: 03/20/04 09:00 Date Received...: 03/23/04 MS Run #.....: 4089132
 Prep Date.....: 03/25/04 Analysis Date...: 03/26/04
 Prep Batch #....: 4089260 Analysis Time...: 00:42
 Dilution Factor: 0.99 % Moisture.....:

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Gasoline Range Organics	ND	1980	1890	ug/kg	96		SW846 8015B
	ND	1980	1870	ug/kg	94	1.4	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	97	(37 - 153)
	93	(37 - 153)

NOTE(S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GCTVN1AK-MS Matrix.....: WATER
 MS Lot-Sample #: I4C240284-001 GCTVN1AL-MSD
 Date Sampled...: 03/21/04 13:00 Date Received...: 03/24/04 MS Run #.....: 4089159
 Prep Date.....: 03/28/04 Analysis Date...: 03/29/04
 Prep Batch #....: 4089298 Analysis Time...: 01:56
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	141 a, MSC	(79 - 124)			SW846 8015B
	127 a, MSC	(79 - 124)	8.6	(0-20)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO	229 *	(75 - 122)
	173 *	(75 - 122)

NOTE(S) :

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

Surrogates outside acceptance criteria due to coelution.

Surrogates outside acceptance criteria due to coelution.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GCTVN1AK-MS Matrix.....: WATER
 MS Lot-Sample #: I4C240284-001 GCTVN1AL-MSD
 Date Sampled....: 03/21/04 13:00 Date Received...: 03/24/04 MS Run #.....: 4089159
 Prep Date.....: 03/28/04 Analysis Date...: 03/29/04
 Prep Batch #....: 4089298 Analysis Time...: 01:56
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Gasoline Range Organics	560	2000	3380	ug/L	141		SW846 8015B
							Qualifiers: a, MSC
	560	2000	3100	ug/L	127	8.6	SW846 8015B
							Qualifiers: a, MSC

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene (GRO)	229 *	(75 - 122)
	173 *	(75 - 122)

NOTE(S) :

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

Surrogates outside acceptance criteria due to coelution.

Surrogates outside acceptance criteria due to coelution.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GCR8M1AE-MS Matrix.....: SOLID
 MS Lot-Sample #: I4C240194-001 GCR8M1AF-MSD
 Date Sampled....: 03/20/04 09:00 Date Received...: 03/23/04 MS Run #.....: 4089126
 Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
 Prep Batch #....: 4089254 Analysis Time...: 23:46
 Dilution Factor: 1 % Moisture.....:

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	103	(73 - 128)			SW846 8021B
	92	(73 - 128)	11	(0-30)	SW846 8021B
Ethylbenzene	97	(73 - 136)			SW846 8021B
	86	(73 - 136)	12	(0-30)	SW846 8021B
Toluene	99	(71 - 129)			SW846 8021B
	91	(71 - 129)	8.6	(0-30)	SW846 8021B
Xylenes (total)	97	(74 - 130)			SW846 8021B
	86	(74 - 130)	12	(0-30)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(41 - 150)
	93	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	104	(43 - 165)
	110	(43 - 165)

NOTE(S) :

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

Bold print denotes control parameters .

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GCR8M1AE-MS Matrix.....: SOLID
 MS Lot-Sample #: I4C240194-001 GCR8M1AF-MSD
 Date Sampled....: 03/20/04 09:00 Date Received...: 03/23/04 MS Run #.....: 4089126
 Prep Date.....: 03/25/04 Analysis Date...: 03/25/04
 Prep Batch #....: 4089254 Analysis Time...: 23:46
 Dilution Factor: 1 % Moisture.....:

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	20.1	20.7	ug/kg	103		SW846 8021B
	ND	20.1	18.5	ug/kg	92	11	SW846 8021B
Ethylbenzene	ND	20.1	19.5	ug/kg	97		SW846 8021B
	ND	20.1	17.4	ug/kg	86	12	SW846 8021B
Toluene	ND	20.1	19.9	ug/kg	99		SW846 8021B
	ND	20.1	18.3	ug/kg	91	8.6	SW846 8021B
Xylenes (total)	ND	60.2	58.6	ug/kg	97		SW846 8021B
	ND	60.4	52.2	ug/kg	86	12	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(41 - 150)
	93	(41 - 150)
a,a,a-Trifluorotoluene (TFT)	104	(43 - 165)
	110	(43 - 165)

NOTE (S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GCR541AP-MS Matrix.....: WATER
 MS Lot-Sample #: I4C240185-001 GCR541AQ-MSD
 Date Sampled...: 03/19/04 10:25 Date Received...: 03/24/04 MS Run #.....: 4089200
 Prep Date.....: 03/28/04 Analysis Date...: 03/29/04
 Prep Batch #....: 4089296 Analysis Time...: 00:56
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	36 a, MSC	(85 - 115)			SW846 8021B
	38 a, MSC	(85 - 115)	3.6	(0-20)	SW846 8021B
Ethylbenzene	34 a, MSC	(85 - 115)			SW846 8021B
	35 a, MSC	(85 - 115)	5.6	(0-20)	SW846 8021B
Toluene	33 a, MSC	(85 - 115)			SW846 8021B
	35 a, MSC	(85 - 115)	6.8	(0-20)	SW846 8021B
Xylenes (total)	34 a, MSC	(85 - 115)			SW846 8021B
	36 a, MSC	(85 - 115)	4.3	(0-20)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(81 - 119)
	95	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	91	(73 - 135)
	91	(73 - 135)

NOTE (S) :

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: I4C240194 Work Order #....: GCR541AP-MS Matrix.....: WATER
 MS Lot-Sample #: I4C240185-001 GCR541AQ-MSD
 Date Sampled....: 03/19/04 10:25 Date Received...: 03/24/04 MS Run #.....: 4089200
 Prep Date.....: 03/28/04 Analysis Date...: 03/29/04
 Prep Batch #....: 4089296 Analysis Time...: 00:56
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	20.0	7.27	ug/L	36		SW846 8021B
		Qualifiers: a, MSC					
	ND	20.0	7.53	ug/L	38	3.6	SW846 8021B
		Qualifiers: a, MSC					
Ethylbenzene	ND	20.0	6.71	ug/L	34		SW846 8021B
		Qualifiers: a, MSC					
	ND	20.0	7.10	ug/L	35	5.6	SW846 8021B
		Qualifiers: a, MSC					
Toluene	ND	20.0	6.54	ug/L	33		SW846 8021B
		Qualifiers: a, MSC					
	ND	20.0	7.00	ug/L	35	6.8	SW846 8021B
		Qualifiers: a, MSC					
Xylenes (total)	ND	60.0	20.5	ug/L	34		SW846 8021B
		Qualifiers: a, MSC					
	ND	60.0	21.4	ug/L	36	4.3	SW846 8021B
		Qualifiers: a, MSC					

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(81 - 119)
	95	(81 - 119)
a, a, a-Trifluorotoluene (TFT)	91	(73 - 135)
	91	(73 - 135)

NOTE (S) :

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: SOLID

Date Sampled....: 03/21/04 15:40 Date Received...: 03/23/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: I4C240194-004 Prep Batch #....: 4086429

% Moisture.....:

Arsenic	93	(75 - 125)			SW846 6010B	03/26-03/29/04	GCR811AQ
	92	(75 - 125) 0.79 (0-20)			SW846 6010B	03/26-03/29/04	GCR811AR

Dilution Factor: 0.87

Analysis Time...: 13:18

MS Run #.....: 4086208

Barium	150 N	(75 - 125)			SW846 6010B	03/26-03/29/04	GCR811AT
	159 N	(75 - 125) 3.2 (0-20)			SW846 6010B	03/26-03/29/04	GCR811AU

Dilution Factor: 0.87

Analysis Time...: 13:18

MS Run #.....: 4086208

Cadmium	91	(75 - 125)			SW846 6010B	03/26-03/29/04	GCR811AV
	92	(75 - 125) 0.11 (0-20)			SW846 6010B	03/26-03/29/04	GCR811AW

Dilution Factor: 0.87

Analysis Time...: 13:18

MS Run #.....: 4086208

Chromium	92	(75 - 125)			SW846 6010B	03/26-03/29/04	GCR811AX
	93	(75 - 125) 1.3 (0-20)			SW846 6010B	03/26-03/29/04	GCR811A0

Dilution Factor: 0.87

Analysis Time...: 13:18

MS Run #.....: 4086208

Lead	94	(75 - 125)			SW846 6010B	03/26-03/29/04	GCR811A1
	94	(75 - 125) 0.46 (0-20)			SW846 6010B	03/26-03/29/04	GCR811A2

Dilution Factor: 0.87

Analysis Time...: 13:18

MS Run #.....: 4086208

Selenium	91	(75 - 125)			SW846 6010B	03/26-03/29/04	GCR811A3
	90	(75 - 125) 1.0 (0-20)			SW846 6010B	03/26-03/29/04	GCR811A4

Dilution Factor: 0.87

Analysis Time...: 13:18

MS Run #.....: 4086208

Silver	100	(75 - 125)			SW846 6010B	03/26-03/29/04	GCR811AN
	100	(75 - 125) 0.26 (0-20)			SW846 6010B	03/26-03/29/04	GCR811AP

Dilution Factor: 0.87

Analysis Time...: 13:18

MS Run #.....: 4086208

MS Lot-Sample #: I4C240194-004 Prep Batch #....: 4091221

% Moisture.....:

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: SOLID

Date Sampled....: 03/21/04 15:40 Date Received...: 03/23/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Mercury	94	(75 - 125)			SW846 7471A	03/29-03/31/04	GCR811A5
	93	(75 - 125)	6.2	(0-20)	SW846 7471A	03/29-03/31/04	GCR811A6

Dilution Factor: 0.9
Analysis Time...: 11:24
MS Run #.....: 4091077

NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: SOLID

Date Sampled....: 03/21/04 15:40 Date Received...: 03/23/04

PARAMETER	AMOUNT	AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: I4C240194-004 Prep Batch #....: 4086429

% Moisture.....:

Arsenic

1.5	43.9	42.1	mg/kg	93			SW846 6010B	03/26-03/29/04	GCR811AQ
1.5	43.9	41.8	mg/kg	92	0.79		SW846 6010B	03/26-03/29/04	GCR811AR
Dilution Factor: 0.87									
Analysis Time...: 13:18									
MS Run #.....: 4086208									

Barium

60.7	43.9	126 N	mg/kg	150			SW846 6010B	03/26-03/29/04	GCR811AT
60.7	43.9	130 N	mg/kg	159	3.2		SW846 6010B	03/26-03/29/04	GCR811AU
Dilution Factor: 0.87									
Analysis Time...: 13:18									
MS Run #.....: 4086208									

Cadmium

ND	43.9	40.1	mg/kg	91			SW846 6010B	03/26-03/29/04	GCR811AV
ND	43.9	40.2	mg/kg	92	0.11		SW846 6010B	03/26-03/29/04	GCR811AW
Dilution Factor: 0.87									
Analysis Time...: 13:18									
MS Run #.....: 4086208									

Chromium

5.9	43.9	46.3	mg/kg	92			SW846 6010B	03/26-03/29/04	GCR811AX
5.9	43.9	46.9	mg/kg	93	1.3		SW846 6010B	03/26-03/29/04	GCR811A0
Dilution Factor: 0.87									
Analysis Time...: 13:18									
MS Run #.....: 4086208									

Lead

1.7	43.9	42.8	mg/kg	94			SW846 6010B	03/26-03/29/04	GCR811A1
1.7	43.9	43.0	mg/kg	94	0.46		SW846 6010B	03/26-03/29/04	GCR811A2
Dilution Factor: 0.87									
Analysis Time...: 13:18									
MS Run #.....: 4086208									

Selenium

ND	43.9	39.9	mg/kg	91			SW846 6010B	03/26-03/29/04	GCR811A3
ND	43.9	39.5	mg/kg	90	1.0		SW846 6010B	03/26-03/29/04	GCR811A4
Dilution Factor: 0.87									
Analysis Time...: 13:18									
MS Run #.....: 4086208									

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: SOLID

Date Sampled....: 03/21/04 15:40 Date Received...: 03/23/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver	ND	8.77	8.79	mg/kg	100		SW846 6010B	03/26-03/29/04	GCR811AN
	ND	8.77	8.77	mg/kg	100	0.26	SW846 6010B	03/26-03/29/04	GCR811AP

Dilution Factor: 0.87

Analysis Time...: 13:18

MS Run #.....: 4086208

MS Lot-Sample #: I4C240194-004 Prep Batch #....: 4091221

% Moisture.....:

Mercury

ND	0.152	0.143	mg/kg	94		SW846 7471A	03/29-03/31/04	GCR811A5
ND	0.164	0.152	mg/kg	93	6.2	SW846 7471A	03/29-03/31/04	GCR811A6

Dilution Factor: 0.9

Analysis Time...: 11:24

MS Run #.....: 4091077

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: WATER

Date Sampled....: 03/25/04 12:50 Date Received...: 03/25/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: U4C260106-001 Prep Batch #....: 4087179							
Arsenic	99	(75 - 125)			SW846 6010B	03/27-03/30/04	GC0LN1A1
	98	(75 - 125)	0.37	(0-20)	SW846 6010B	03/27-03/30/04	GC0LN1A2
		Dilution Factor: 1					
		Analysis Time...: 14:37					
		MS Run #.....: 4087059					
Barium	101	(75 - 125)			SW846 6010B	03/27-03/30/04	GC0LN1A4
	99	(75 - 125)	1.3	(0-20)	SW846 6010B	03/27-03/30/04	GC0LN1A5
		Dilution Factor: 1					
		Analysis Time...: 14:37					
		MS Run #.....: 4087059					
Cadmium	97	(75 - 125)			SW846 6010B	03/27-03/30/04	GC0LN1A7
	94	(75 - 125)	3.0	(0-20)	SW846 6010B	03/27-03/30/04	GC0LN1A8
		Dilution Factor: 1					
		Analysis Time...: 14:37					
		MS Run #.....: 4087059					
Chromium	95	(75 - 125)			SW846 6010B	03/27-03/30/04	GC0LN1CA
	92	(75 - 125)	3.4	(0-20)	SW846 6010B	03/27-03/30/04	GC0LN1CC
		Dilution Factor: 1					
		Analysis Time...: 14:37					
		MS Run #.....: 4087059					
Lead	98	(75 - 125)			SW846 6010B	03/27-03/30/04	GC0LN1CE
	96	(75 - 125)	2.6	(0-20)	SW846 6010B	03/27-03/30/04	GC0LN1CF
		Dilution Factor: 1					
		Analysis Time...: 14:37					
		MS Run #.....: 4087059					
Selenium	101	(75 - 125)			SW846 6010B	03/27-03/30/04	GC0LN1CH
	99	(75 - 125)	1.5	(0-20)	SW846 6010B	03/27-03/30/04	GC0LN1CJ
		Dilution Factor: 1					
		Analysis Time...: 14:37					
		MS Run #.....: 4087059					
Silver	104	(75 - 125)			SW846 6010B	03/27-03/30/04	GC0LN1AW
	101	(75 - 125)	3.1	(0-20)	SW846 6010B	03/27-03/30/04	GC0LN1AX
		Dilution Factor: 1					
		Analysis Time...: 14:37					
		MS Run #.....: 4087059					

NOTE(S) :

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: WATER

Date Sampled....: 03/25/04 12:50 Date Received...: 03/25/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: U4C260106-001 Prep Batch #....: 4087179

Arsenic

ND	0.500	0.494	mg/L	99			SW846 6010B	03/27-03/30/04	GC0LN1A1
ND	0.500	0.492	mg/L	98	0.37		SW846 6010B	03/27-03/30/04	GC0LN1A2

Dilution Factor: 1

Analysis Time...: 14:37

MS Run #.....: 4087059

Barium

ND	0.500	0.591	mg/L	101			SW846 6010B	03/27-03/30/04	GC0LN1A4
ND	0.500	0.583	mg/L	99	1.3		SW846 6010B	03/27-03/30/04	GC0LN1A5

Dilution Factor: 1

Analysis Time...: 14:37

MS Run #.....: 4087059

Cadmium

ND	0.500	0.484	mg/L	97			SW846 6010B	03/27-03/30/04	GC0LN1A7
ND	0.500	0.470	mg/L	94	3.0		SW846 6010B	03/27-03/30/04	GC0LN1A8

Dilution Factor: 1

Analysis Time...: 14:37

MS Run #.....: 4087059

Chromium

ND	0.500	0.475	mg/L	95			SW846 6010B	03/27-03/30/04	GC0LN1CA
ND	0.500	0.459	mg/L	92	3.4		SW846 6010B	03/27-03/30/04	GC0LN1CC

Dilution Factor: 1

Analysis Time...: 14:37

MS Run #.....: 4087059

Lead

ND	0.500	0.491	mg/L	98			SW846 6010B	03/27-03/30/04	GC0LN1CE
ND	0.500	0.478	mg/L	96	2.6		SW846 6010B	03/27-03/30/04	GC0LN1CF

Dilution Factor: 1

Analysis Time...: 14:37

MS Run #.....: 4087059

Selenium

ND	0.500	0.504	mg/L	101			SW846 6010B	03/27-03/30/04	GC0LN1CH
ND	0.500	0.496	mg/L	99	1.5		SW846 6010B	03/27-03/30/04	GC0LN1CJ

Dilution Factor: 1

Analysis Time...: 14:37

MS Run #.....: 4087059

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I4C240194

Matrix.....: WATER

Date Sampled...: 03/25/04 12:50 Date Received...: 03/25/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver									
	ND	0.100	0.104	mg/L	104		SW846 6010B	03/27-03/30/04	GC0LN1AW
	ND	0.100	0.101	mg/L	101	3.1	SW846 6010B	03/27-03/30/04	GC0LN1AX

Dilution Factor: 1

Analysis Time...: 14:37

MS Run #.....: 4087059

NOTE(S) :

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I4C240194

Matrix.....: WATER

Date Sampled...: 03/19/04 10:25 Date Received...: 03/24/04

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>RPD</u> <u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
MS Lot-Sample #:	I4C240185-001	Prep Batch #...	4092480				
Mercury	84	(75 - 125)			SW846 7470A	04/02/04	GCR541AR
	86	(75 - 125) 2.3	(0-20)		SW846 7470A	04/02/04	GCR541AT

Dilution Factor: 1

Analysis Time...: 00:00

MS Run #.....: 4092218

NOTE(S) :

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: I4C240194

Matrix.....: WATER

Date Sampled...: 03/19/04 10:25 Date Received...: 03/24/04

PARAMETER	AMOUNT	AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: I4C240185-001 Prep Batch #....: 4092480

Mercury

ND	0.00200	0.00168	mg/L	84			SW846 7470A	04/02/04	GCR541AR
ND	0.00200	0.00172	mg/L	86	2.3		SW846 7470A	04/02/04	GCR541AT

Dilution Factor: 1

Analysis Time...: 00:00

MS Run #.....: 4092218

NOTE(S) :

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: I4C240194

Matrix.....: SOLID

Date Sampled....: 03/20/04 09:00 Date Received...: 03/23/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	88	(75 - 125)		SW846 7196A	04/03/04	4094133
	86	(75 - 125)	2.1 (0-20)	SW846 7196A	04/03/04	4094133

WO#: GCR8M1AJ-MS/GCR8M1AK-MSD MS Lot-Sample #: I4C240194-001
 Dilution Factor: 1
 Analysis Time...: 10:13
 MS Run #.....: 4094022

NOTE(S) :

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #....: I4C240194

Matrix.....: SOLID

Date Sampled...: 03/20/04 09:00 Date Received...: 03/23/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
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% Moisture.....:

Hexavalent Chromium WO#: GCR8M1AJ-MS/GCR8M1AK-MSD MS Lot-Sample #: I4C240194-001

ND	0.500	0.480	mg/kg	88			SW846 7196A	04/03/04	4094133
ND	0.500	0.470	mg/kg	86	2.1		SW846 7196A	04/03/04	4094133

Dilution Factor: 1

Analysis Time...: 10:13

MS Run #.....: 4094022

NOTE(S) :

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

Report Attachment

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.1 COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.

EPA 340.2 Fluoride: Preliminary Bellack distillation not performed.

EPA 8151A: Laboratory utilizes alternate extraction solvent.

Iowa OA-1: Benzene, toluene, ethylbenzene and xylenes (BTEX) not analyzed along with Gasoline Range Organics if client does not require BTEX.

EPA TO-12: Samples are not analyzed in duplicate.

EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

CHAIN-OF-CUSTODY ADDENDUM

Lot No: I4C240194

COC NUMBER: _____

QUOTE/PROFILE: 57806RECEIVED BY: [Signature]DATE/TIME RECEIVED: 3/23/04 0815UNPACKED DATE/TIME: 3/23/04 0930CLIENT/PROJECT: Arcadis

SAMPLES LOGGED IN: _____ LOG-IN REVIEWED: _____

Number of Shipping Containers Received with Chain of Custody 1CC [Signature]VOC AIR / FILTER SAMPLES ☐ YES SEE SECTIONS 1.0, 2.0, & 6.01.0 CONTAINERS EXAMINED UPON RECEIPT: [Signature]Container Sealed: ☒ YES ☐ NOCustody Seal Signed/Dated: ☒ YES ☐ NOCustody Seal Present: ☒ YES ☐ NOContainers checked for radioactivity: ☐ YES ☐ NO ☒ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, list air bill number of that container(s): _____

2.0 VOC CANISTERS EXAMINED UPON RECEIPT: _____

Canister Valves Closed: ☐ YES ☐ NOSamples Received Match Chain: ☐ YES ☐ NOCanister Valves Capped: ☐ YES ☐ NOSee Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NO

Packing Material Used: (circle)

Chain-of-Custody form properly maintained: ☐ YES ☐ NO

None / Absorbent / Paper / Bubble Wrap

Can Size: ☐ 6L ☐ 15L Other _____3.0 SAMPLE TEMPERATURE UPON RECEIPT: [Signature] IR THERMOMETER #: P-5

The temperature of the container(s) is:

[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]

4°C										

If temperature is outside acceptable tolerance, Project Manager was notified (____ PM). Date: _____ Time: _____

Samples received do not require cooling _____

OK to analyze samples: ☐ YES ☐ NOPRESERVATION OF SAMPLES REQUIRED: ☐ NA ☒ YESVERIFIED BY: [Signature]Base samples are >pH 12: ☐ YES ☐ NOAcid preserved are <pH 2: ☒ YES ☐ NO

Cyanide samples checked

Sulfide samples appear

for sulfides: ☐ YESto be preserved with zinc acetate: ☐ YES ☐ NO

Samples checked for chlorine

Free chlorine present: ☐ YES ☐ NOper specification: ☐ YES

If sample preservation is outside acceptable tolerance, Project Manager was notified (____ PM)

Date: _____ Time: _____ ☐ see pH adjustment form

VOLATILE SAMPLES FILLED COMPLETELY, IF NOT, LIST ID AND HEADSPACE OF VOAs CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace

Sample ID	mm Headspace

4.0 CONDITION OF BOTTLES/CONTAINERS

VERIFIED BY: [Signature]

Samples received match COC: ☐ YES ☒ NO Bottles received intact: ☒ YES ☐ NO
See additional discrepancies/comments section: ☒ YES ☐ NO Samples received from USDA restricted area: ☐ YES ☒ NO
Chain-of-Custody form properly maintained: ☒ YES ☐ NO VOA trip blanks included: ☐ YES ☐ NO ☒ N/A

5.0 ADDITIONAL DISCREPANCIES

Appears on COC		Appears on Label		Comments
Sample ID	Date/Time	Sample ID	Date/Time	
ApexCS-ASBF-060	3/21/04/1540	ApexCS-ASBF-060	3/21/1645	logged per chain

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC: ☒ YES ☐ NO Air bill #: _____
Hand-delivered Carrier: _____ Date: _____ Time: _____

7.0 OTHER COMMENTS:

received
ApexCS-ASBF-060 - 60mL, 120mL, 120mL Hobbs-WW 3x40mL, 1x1L Amber, 1x1L Plastic Hubs.
ApexCS-ASBE-010 - 60mL, 120mL, 120mL
ApexCS-ASBG-010 - 60mL, 120mL, 120mL
ApexCS-ASBH-060 - 60mL, 120mL, 120mL

CORRECTIVE ACTION:

Client's Name: _____ Informed verbally on: _____ By: _____

Client's Name: _____ Informed verbally on: _____ By: _____

Sample(s) processed "as is" comments: _____

Samples(s) on hold until: _____ If released, notify: _____

REVIEW:

Project Management: [Signature] Date: 4/6/04

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

74C24019.4

Chain of Custody Record

SEVERN
TRENT

STL
Severn Trent Laboratories, Inc. GRO

023302

STL4149 (1202)

Client Auke ARCADIS Project Manager Don Ganser Date 3/22/04 Page 51 of 1

Address 630 Plaza Drive / Suite 200 Telephone Number (Area Code/Fax Number) (720) 344-3774 / (202) 344-3535 Lab Location STL Austin TX

City Highland Ranch Co State CO Zip Code 80129 Site Contact Don Ganser

Project Number/Name CO000 889-2801 / OEF-SENM Carrier/Maybill Number

Contract/Purchase Order/Quote Number

Sample I.D. Number and Description	Date	Time	Sample Type	Volume	Containers Type No.	Preservative	Condition on Receipt/Comments
APEXCS-AMWB-010	3/20/04	19:00	Soil	2.8402	6 LAJ 2	ICE	4th 5/23/04 RJ
APEXCS-AMWC-010	3/20/04	13:20	Soil	2.8402	6 LAJ 2	ICE	
APEXCS-AMWD-010	3/21/04	18:30	Soil	2.8402	6 LAJ 2	ICE	
APEXCS-ASBF-060	3/21/04	15:40	Soil	2.8402	6 LAJ 2	ICE	
APEXCS-ASBE-010	3/21/04	11:45	Soil	2.8402	6 LAJ 3	ICE	
APEXCS-ASBG-010	3/21/04	11:40	Soil	2.8402	6 LAJ 3	ICE	
APEXCS-ASBH-060	3/21/04	10:40	Soil	2.8402	6 LAJ 3	ICE	
HDBRGP - AMWB - 060	3/22/04	7:45	Soil	2.8402	6 LAJ 2	ICE	
HDBRGP - AMW	3/22/04	10:15	Soil	2.8402	6 LAJ 2	ICE	

Special Instructions

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown
 Turn Around Time Required ☒ Rush ☐ Other 5-day OC Level ☐ I. ☐ II. ☐ III.

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
 Project Specific Requirements (Specify)

1. Relinquished By Donna W. Pen Date 3/22/04 Time 13:08 1. Received By Russell W. Pen Date 3/22/04 Time 13:03

2. Relinquished By Russell W. Pen Date 3/22/04 Time 16:00 2. Received By Bill Pen Date 3/23/04 Time 08:15

3. Relinquished By _____ Date _____ Time _____ 3. Received By _____ Date _____ Time _____

Comments