EPA Region 5 Records Ctr.
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REMEDIAL ACTION QUARTERLY MONITORING REPORT

FIRST QUARTER – 2005 (7 of 120)

SKINNER LANDFILL SITE BUTLER COUNTY WEST CHESTER, OHIO

Prepared for:

Skinner Landfill Work Group
c/o Ben Baker
The Dow Chemical Company
Michigan Operations
47 Building
Midland, MI 48667

Prepared by:

Earth Tech, Inc.
2373 Progress Drive
Hebron, KY 41048

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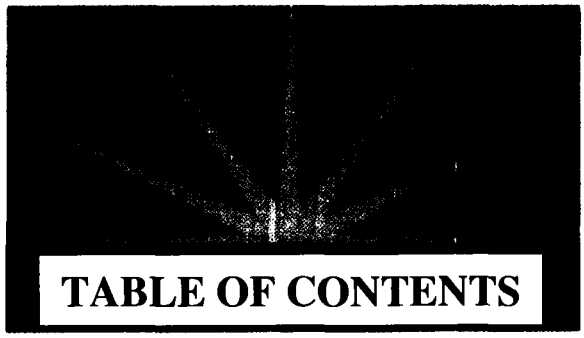
A Tyco International Ltd. Company



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LIST OF ACRONYMS

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LIST OF ACRONYMS

AMP	Air Monitoring Plan
AOC	Administrative Order on Consent
ARAR	Applicable or Relevant and Appropriate Requirements
BMR	Baseline Monitor Report
BCDES	Butler County Department of Environmental Services
bgs	Below Ground Surface
BZ	Breathing Zone
CD&D	Construction Debris and Demolition Waste
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CGI	Combustible Gas Indicator
CHSD	Corporate Health and Safety Director
CIP	Construction Implementation Plan
CLP	Contract Laboratory Program
cm/sec	Centimeters Per Second
CO	Carbon Monoxide
CP	Contingency Plan
CQA	Construction Quality Assurance
CQAC	Construction Quality Assurance Consultant
CRZ	Contamination Reduction Zone
CRQL	Contract Required Quantitation Limit
CSDI	Contaminated Soils Design Investigation
CY	Cubic Yard
CZ	Control Zone
DSW	Division of Surface Water (OEPA)
DSR	Division Safety Representative
EPA	Environmental Protection Agency
EZ	Exclusion Zone
FID	Flame Ionization Detector
FML	Flexible Membrane Liner (low density polyethylene)
FSP	Field Sampling Plan
FTB	Film Tearing Bond
ft	Feet
ft/sec	Feet Per Second
GCL	Geosynthetic Clay Layer
GCAL	Gulf Coast Analytical Laboratories Inc.
GIS	Groundwater Interceptor System
gpd	Gallons Per Day
gpm	Gallons Per Minute
GWDI	Groundwater Design Investigation
HAP	Hazardous Air Pollutant
HASP	Health and Safety Plan
HDPE	High-Density Polyethylene
HSM	Health and Safety Manager
IDLH	Immediately Dangerous to Life or Health

IRM	Interim Remedial Measures
kg/d	Kilograms Per Day
lb/day	Pounds Per Day
LEL	Lower Explosion Limit
LF	Lineal Feet
LLDPE	Linear Low-Density Polyethylene
μ	Micron
μg/l	Microgram per Liter
MSL	Mean Sea Level
NIOSH	National Institute for Occupational Safety and Health
NO_x	Oxides of Nitrogen
NWI	National Wetland Inventory
O_3	Ozone
OAC	Ohio Administrative Code
ODNR	Ohio Department of Natural Resources
OEPA	Ohio Environmental Protection Agency
ORC	Ohio Revised Code
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PID	Photoionization Detector
PLC	Programmable Logic Controller
PM-10	Particulate Matter less than 10 microns
PRP	Potentially Responsible Party
PPE	Personal Protective Equipment
psi	Pounds Per Square Inch
PQL	Practical Quantitation Limit
QAPP	Quality Assurance Project Plan
QA	Quality Assurance
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RA	Remedial Action
RD	Remedial Design
RHSS	Regional Health & Safety Specialist
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RPM	Remedial Project Manager (USEPA)
RPO	Resident Project Observer
SI	Site Inspection
SF	Square Feet
SLWG	Skinner Landfill Work Group
SO_2	Sulfur Dioxide
SOP	Standard Operating Procedure
SOW	Statement of Work
SPCC	Spill Prevention Control and Counter Measure Plan
SSO	Site Safety Officer
SVE	Soil Vapor Extraction
SVOC	Semi-Volatile Organic Compound
SZ	Support Zone

TAL	Target Analyte List
TCL	Target Compound List
TDH	Total Dynamic Head
TLV	Threshold Limit Values
TSS	Total Suspended Solids
TWA	Time Weighted Average
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Services
USGS	United States Geological Survey
VOC	Volatile Organic Compound
yr	Year
WBGT	Wet Bulb Globe Temperature
WZ	Work Zone

1.0 INTRODUCTION

1.1 GENERAL INFORMATION

This quarterly monitoring report was prepared for the Skinner Landfill Superfund Site located in West Chester, Butler County, Ohio in accordance with the Operation and Maintenance - Long-Term Performance Plan (O&M-LTP Plan) dated August 2003. The O&M-LTP Plan was prepared to meet the requirements of the Record of Decision (ROD) dated June 4, 1993, the Statement of Work (SOW) dated April 6, 1994, the 100% Final Remedial Design dated June 21, 1996 and the Consent Decree dated April 7, 2001.

The remedial action (RA) post-construction O&M monitoring period began with the third quarter of 2003 and extends for a period of 30 years. This report documents the results of groundwater and surface water monitoring conducted during the first quarter of 2005, which is the 7th of 120 sampling events to be conducted during the 30-year monitoring period.

1.2 SITE LOCATION AND DESCRIPTION

Skinner Landfill is located approximately 15 miles north of Cincinnati, Ohio near West Chester, Butler County, Ohio in Township 3, Section 22, Range 2. The site is located along Cincinnati-Dayton Road, as shown in Figure 1. The site is bordered on the south by the East Fork of Mill Creek, on the north by wooded land, on the east by a Norfolk Southern Railway Company right-of-way, and on the west by a gravel driveway.

The site is located in a highly dissected area that slopes from a till-mantled-bedrock upland to a broad, flat-bottomed valley that is occupied by the main branch of Mill Creek. Elevations on the site range from a high of nearly 800 feet above mean sea level (MSL) in the northeast, to a low of 645 feet above MSL near the confluence of Skinner Creek and East Fork of Mill Creek. Both Skinner Creek and the East Fork of Mill Creek are small, intermittent shallow streams. Both of these streams flow to the southwest from the site toward the main branch of Mill Creek.

In general, the site is underlain by relatively thin glacial drift over inter-bedded shale and limestone of Ordovician age. The composition of the glacial drift ranges from intermixed silt, sand and gravel, to silty sandy clays with a thickness ranging from zero to over forty feet. The sand and gravel deposits comprise the hills and ridges and are encountered near the surface of the central portion of the site. The silts and clays usually occur as lenses in the sands and gravel or directly overlie bedrock.

1.3 SITE HISTORY AND BACKGROUND

The property was originally developed as a sand and gravel mining operation and was subsequently used as a landfill from 1934 to 1990. According to USEPA studies, materials deposited at the site include demolition debris, household refuse and a wide variety of chemical wastes. The waste disposal areas include a now buried former waste lagoon near the center of the site and a landfill. According to USEPA studies, the buried lagoon was used for the disposal of paint wastes, ink wastes, creosote, pesticides, and other chemical wastes. The landfill area, located north and northeast of the buried lagoon, received predominantly demolition and landscaping debris.

In 1976, the Ohio EPA (OEPA) initiated an investigation of the site. In 1982, the site was placed on the National Priority List by the USEPA based on information obtained during a limited investigation of the

site. A Phase II Remedial Investigation was conducted from 1989 to 1991 and involved further investigation of groundwater, surface water, soils and sediments. Both a Baseline Risk Assessment and Feasibility Study (FS) were completed in 1992.

The Phase II Remedial Investigation revealed that the most contaminated media at the site is the soil in the buried waste lagoon. Migration of the landfill constituents has been limited, and the Phase II Remedial Investigation concluded that there had been no off-site migration of landfill constituents via groundwater flow.

In the Record of Decision (ROD), dated June 4, 1993, the USEPA selected a remedy for the site consisting of multi-media capping of the landfill and the buried waste lagoon, and collection and treatment of the groundwater. The ROD also required an investigation to determine the feasibility for soil vapor extraction (SVE) in the granular soil adjacent to the buried lagoon.

The Remedial Design (RD) Investigation performed in 1994 was implemented to collect data required to assess the feasibility of the SVE and to design the multi-media cap and the groundwater extraction/treatment systems. The Remedial Design was submitted to USEPA on June 21,1996 outlining the cover design and groundwater interception system design. Based on the RD investigation, the installation of an SVE system was determined to be unfeasible.

Construction of a groundwater interception system (GIS) and engineered landfill cover system began in April 2001 and was substantially completed in September 2001. The USEPA conducted the pre-final construction inspection on September 27, 2001, the final construction inspection on March 27, 2003 and the second 5-Year Review on January 22, 2004.

2.0 SAMPLING METHODS

This quarterly monitoring event was conducted in general accordance with the following documents shown with the date of the USEPA-approved final version:

- Operation and Maintenance - Long-Term Performance Plan (O&M-LTP Plan) dated August 2003, and
- RA Health and Safety Plan, Final February 2001.

There were no deviations from these work plans.

3.0 RESULTS

3.1 GROUNDWATER LEVELS

The groundwater elevation data obtained from the monitor wells, piezometers and selected gas probes is presented on Table 1 with the corresponding potentiometric surface map provided in Appendix A. The groundwater flow direction and gradient remained relatively unchanged when compared to the previous quarterly monitoring report period. Groundwater flow direction is to the south-southeast directly toward the East Fork of Mill Creek with an average hydraulic gradient of 0.11 ft/ft. The groundwater gradient has remained relatively unchanged when compared to the average hydraulic gradient of 0.13 ft/ft documented in the Remedial Action Baseline Monitoring Report dated March 2005.

3.2 GROUNDWATER-WASTE MONITORING

Results of the piezometer groundwater levels used to monitor the groundwater levels relative to bottom of waste are provided on Table 2. Based on measured water levels, groundwater has been lowered below the waste elevation during this monitoring event at piezometers P-11 and P-12, which are the two piezometers furthest from Duck Pond. The depth to water measurement in piezometer P-11 was recorded with a smaller diameter water level indicator, as opposed to a groundwater interface probe, due to a pinching of the well casing that reduced the diameter of the piezometer. Depth to water measurements could not be recorded from piezometers P-9 and P-10 due to an obstruction or possible pinching of the well casing.

3.3 GROUNDWATER ANALYTICAL RESULTS

A summary of target compound list (TCL) and target analyte list (TAL) parameter concentrations encountered above the contract required detection limit and revised modified trigger level is provided on Table 3. A summary of the laboratory analytical results have been presented on a per well basis in Appendix B to assist in identifying temporal detection patterns. A report of each data set reduction, validation and assessment procedure conducted on an analytical-set basis in accordance with the O&M-LTP Plan quality assurance project plan (QAPP) is included in Appendix C.

In general, target compound list volatiles, semi-volatiles, pesticides and PCBs were not detected in groundwater above the CRQL.

Two of the 24 TAL parameters were detected above the CRQL. Detections of arsenic and iron were each present in two groundwater monitoring wells. None of the detected constituents were present above the revised modified trigger levels.

3.4 SURFACE WATER ANALYTICAL RESULTS

Surface water analyzed consisted of sampling surface runoff from the site and surface water directly from the East Fork of Mill Creek. A summary of TCL and TAL parameter concentrations encountered above the contract required detection limit and revised modified trigger level is provided on Table 4. A summary of surface water laboratory analytical results is presented in Appendix B. The summary tables are presented on a sample location basis. The validated laboratory analytical data is provided in Appendix C.

In general, target compound list volatiles, semi-volatiles, pesticides and PCBs were not detected in surface water above the CRQL.

Only one of the 24 TAL parameters were detected above the CRQL. A detection of arsenic was present in one surface water sample location. However, the detected arsenic concentration did not exceed the revised modified trigger level.

FIGURES

FIGURES

FIGURE 1

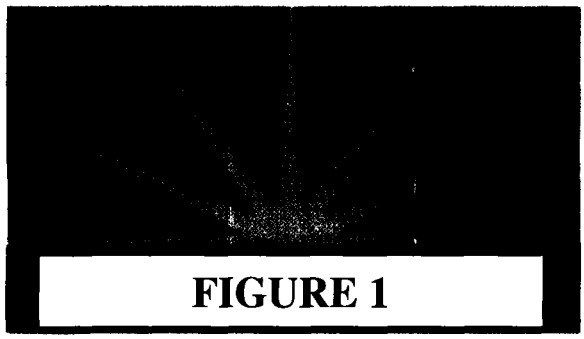

FIGURE 1

SITE VICINITY MAP

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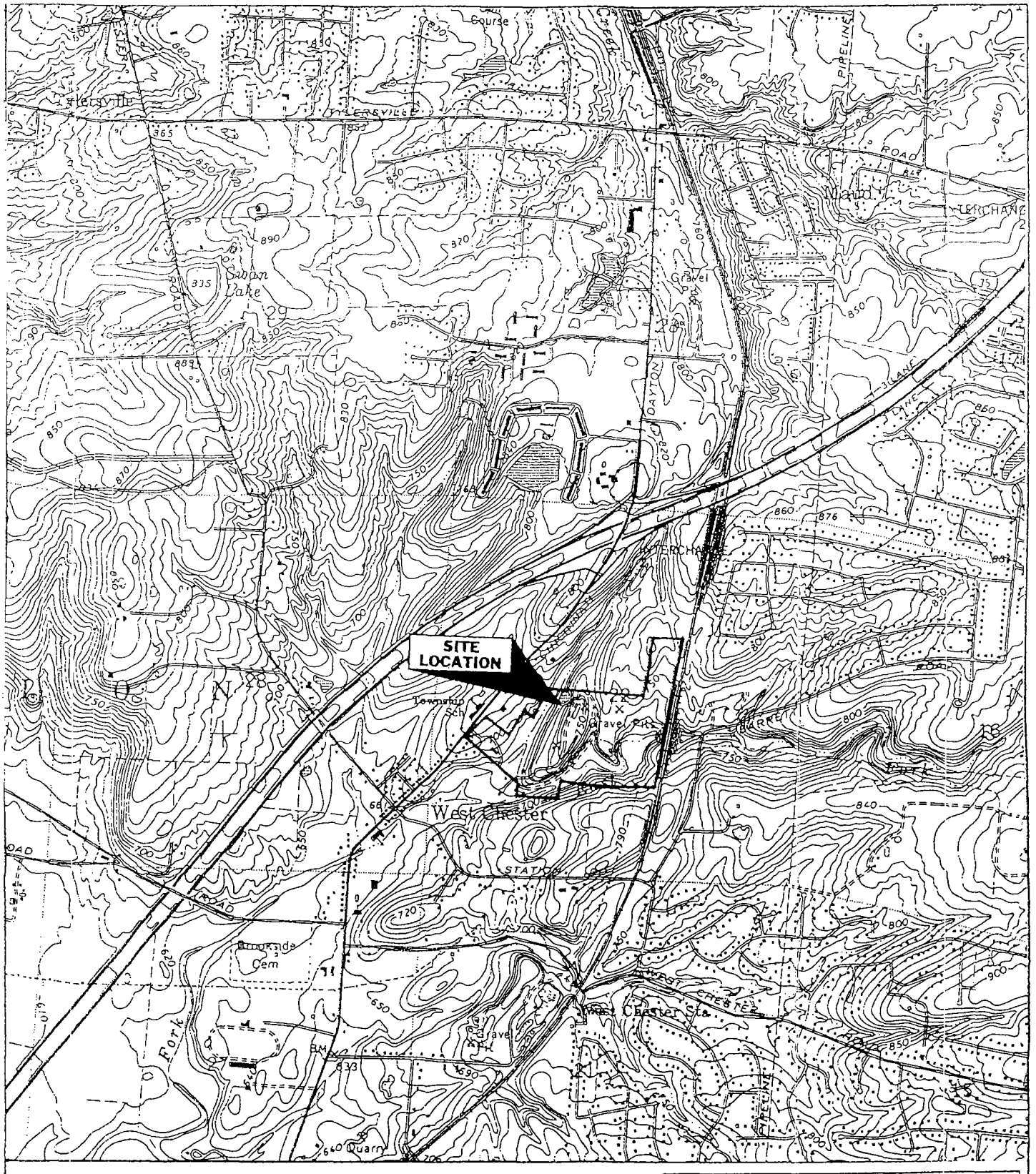

Base taken from USGS Glendale, Ohio
7.5' Topographic Quadrangle, photorevised 1987

0 2000
FEET

EARTH TECH

N

SKINNER LANDFILL

SITE VICINITY MAP

BUTLER COUNTY, OHIO

TABLES

TABLE 1

GROUNDWATER ELEVATIONS

TABLE 1

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TABLE 1

Groundwater Elevation Summary

Skinner Landfill
West Chester, Ohio

Well Type	Location	Well Use	Ground Surface Elevation (MSL-feet)	Top of Casing Elevation (MSL-feet)	March 7, 2005 Depth to Water (feet from top of casing)	March 7, 2005 Groundwater Elevation (MSL-feet)
Piezometers	P-1	G	685.42	687.65	10.85	676.80
	P-2	G	688.54	690.42	13.03	677.39
	P-3R	G	691.83	693.69	24.88	668.81
	P-4	G	700.32	702.63	5.90	696.73
	P-5	G	708.20	710.65	13.65	697.00
	P-6	G	707.45	710.59	11.27	699.32
	P-7	G	719.08	721.83	Dry	Dry
	P-8	G	747.70	749.91	30.23	719.68
	P-9	G	760.68	763.90	--	--
	P-10	G	761.34	764.16	--	--
	P-11	G	760.34	762.76	25.30	737.46
	P-12	G	743.50	746.17	40.00	706.17
Groundwater Monitoring Wells	GW-06R	S	683.89	685.91	9.82	676.09
	GW-07R	S	683.46	683.06	4.41	678.65
	GW-24	G	693.32	695.21	18.24	676.97
	GW-26	G	696.61	698.28	29.43	668.85
	GW-30	G	675.63	677.62	9.53	668.09
	GW-58	S	684.03	686.53	13.80	672.73
	GW-59	S	684.35	687.38	6.73	680.65
	GW-60	S	689.12	692.38	11.57	680.81
	GW-61	S	687.38	690.86	13.28	677.58
	GW-62A	S	690.19	692.38	30.23	662.15
	GW-62B	S	690.57	693.13	12.31	680.82
	GW-63	S	698.87	702.50	10.22	692.28
	GW-64	S	700.45	703.88	11.98	691.90
	GW-65	S	703.83	706.88	16.28	690.60
	GW-66	G	686.82	689.41	6.18	683.23
Gas Probes	GP-6	G	772.18	774.65	14.10	760.55
	GP-7	G	749.83	752.65	8.00	744.65

Notes:
MSL - Mean Sea Level
G - Gauging
S - Sampling and Gauging
-- No Gauging Data Available (well constricted)

TABLE 2

GROUNDWATER/WASTE ELEVATIONS

TABLE 2

TABLE 2

Groundwater-Waste Monitoring Summary

Skinner Landfill
West Chester, Ohio

Piezometer	Depth to Waste (feet)	Bottom of Waste Elevation (MSL-feet)	Baseline Water Elevation (June 2001) (feet)	Water Elevation (May 2004) (feet)	Water Elevation (September 2004) (feet)	Water Elevation (December 2004) (feet)	Water Elevation (March 2005) (feet)
P-9	25	737	**745.00**	NM	NM	741.87	-
P-10	30	734	**744.50**	NM	-	-	-
P-11	17	745	**744.30**	736.05	733.66	Dry	737.46
P-12	35	707	**713.50**	705.67	705.06	706.14	706.17

Notes:

Waste elevations determined during piezometer installation on June 28 and 29, 2001.
Shaded cells indicate water level elevations below the elevation of waste.
- No gauging data available (well constricted).
NM - Not Measured (wasp nest in standpipe).

TABLE 3

GROUNDWATER RESULTS SUMMARY

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TABLE 3

Table 3

Groundwater Summary

Skinner Landfill
West Chester, Ohio
First Quarter 2005

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
GW-06R	-	-	-	-
GW-07R	-	-	-	-
GW-58	-	-	-	-
GW-59	-	-	-	-
GW-60	-	-	-	-
GW-61	-	-	*arsenic*	-
GW-62A	-	-	*iron*	-
GW-62B	-	*	*	*
GW-63	-	-	*arsenic , iron*	-
GW-64	-	-	-	-
GW-65	*	*	*	*

- all parameters below report limits
italic - above Contract Required Quantitation Levels (CRQL's)
bold - above trigger level
* - Insufficient sample volume.
** - Dissolved metals for analytes that have a corresponding trigger level.

TABLE 4

TABLE 4

SURFACE WATER RESULTS SUMMARY

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Table 4

Surface Water Summary

Skinner Landfill
West Chester, Ohio
First Quarter 2005

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
SW-50	-	-	-	-
SW-51	-	-	-	-
SW-52	-	-	*arsenic*	-
SWD-1	*	*	*	*
SWD-2	*	*	*	*
SWD-3	-	-	-	-

- all parameters below report limits
italic - above Contract Required Quantitation Levels (CRQL's)
bold - above trigger level
* - Insufficient sample volume.
** - Dissolved metals for analytes that have a corresponding trigger level.

APPENDIX A

POTENTIONMETRIC SURFACE MAP

SDMS US EPA Region V

Imagery Insert Form

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APPENDIX A – POTENTIOMETRIC SURFACE MAP

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APPENDIX B

SUMMARY OF ANALYTICAL RESULTS

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-06R

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	25.8	25.8	85.2	55.3	55.3	55.3		200
Antimony	3.7	3.7	7.7	10.6	4.1	3.9	60	60
Arsenic	2.9	2.9	5.4	5.4	26.7 J	6.1 J	20	10
Barium	294	266	45.4 J	329	179.0	196	1,000	200
Beryllium	0.1	0.1	0.2	0.20	0.2	0.2	5	5
Cadmium	0.2	0.2	0.5	0.30	0.3	0.3	5	5
Calcium	189,000	189,000	176,000	205,000	193,000	186,000		5,000
Chromium	0.8	1.2	1.5	3.7	1.5	1.5	11	10
Cobalt					2.9	0.7		50
Copper	1.7	1.2	1.2	1.2	1.2	1.2	25	25
Iron	14.1	22	1,360 J	9.1	1,210	9.1	7,000	100
Lead	1.5	1.5	2.4 UJ	2.4 UJ	2.4	2.4 UJ	4.2	3
Magnesium	30,500	30,000	33,100	32,100	31,300	31,700		5,000
Manganese	77.0	69.5 J	481 J	124	363	173		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.2	0.2
Nickel	1.8	1.7	3.4 J	2.2	2.5	1.1	96	40
Potassium	2,400	2,060	7,180 J	3,340 J	2,510 J	2,200		5,000
Selenium	4.4 R	4.4 UJ	4.4	4.4 UJ	4.4	4.4 R	8.5	5
Silver	0.4	0.4	0.9	2.5	0.9	0.9	10	10
Sodium	21,500	20,700	29,000 J	20,900 J	22,000	21,000		5,000
Thallium	2.6 UJ	2.6	6.3	6.3	8.1	6.3	40	10
Vanadium	0.8	1.6	1.1	3.5	6.7	11.5		50
Zinc	0.6 UJ	0.6	0.7 UJ	0.7	0.7	4.6	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	17,000	9,900	4,950 J	37,200 J	2,890 J	8,510		
Antimony	3.7	5.5	8.2	3.9	3.9	7.6 J		
Arsenic	20.5	12.4	5.4 UJ	5.4	34.6 J	9.0 J		
Barium	568	440	103 J	821	232 J	338		
Beryllium	1.2	1.1	0.7	2.1	0.2	0.5		
Cadmium	0.2	1.0	1.5	0.3	0.3	0.3		
Calcium	378,000	309,000	224,000 J	576,000	217,000	234,000		
Chromium	27.0	16.9	5.3 J	58.5	6.1	11.1		
Cobalt	24.1	12.3	6.6	46.5	6.0	11.9		
Copper	52.1	39.3	12 J	97.2 J	5.0	18.7 J		
Cyanide	3.0	1.0	3.3	0.7	0.5	0.5	10	10
Iron	45,400	25,300	17,300 J	90,600	9,100 J	20,900		
Lead	46.0	23.9	9.3 J	88.1 J	3.3 J	13.6 J		
Magnesium	115,000	83,600	46,800 J	184,000	42,100 J	51,800		
Manganese	2,940	988	758	5,750	585	1,010		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ		
Nickel	41.2	23.4	17.2 J	80.5	8.1	15.5		
Potassium	5,050	3,970	8,320	9,100	3,320 J	4,210		
Selenium	4.4 UJ	4.4 UJ	4.4	4.4 R	6.6 J	4.4 UJ		
Silver	0.4	0.4	0.9	0.9	0.9	0.9		
Sodium	22,100	21,900	28,600 J	24,300	21,900	20,400		
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ		
Vanadium	41.5	22.2	3.7	84.3	16.1	29.1 J		
Zinc	147 J	72.9	22.1 UJ	283 J	20.4 J	63.2		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
1,1-Dichloroethane				0.34 J	1.0 U	1.0 U		10
1,2-Dichloropropane				0.23 J	1.0 U	1.0 U	5	10
Benzene				0.15 J	1.0 U	1.0 U	5	10
Ethylbenzene				0.14 J	1.0 U	0.11 J	62	10
Toluene				0.45 J	1.0 U	0.74 J	1,000	10
Tetrachloroethene				0.17 J	1.0 U	1.0 U	5	10
Xylene (total)				0.33 J	1.0 U	0.19 J	10,000	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Bis (2-ethlyhexyl) phthalate	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	49	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

EarthTech
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Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-07R

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-05**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	25.8	25.8	62.0	55.3	55.3	55.3		200
Antimony	3.7	3.7	3.9	3.9	3.9	3.9	60	60
Arsenic	4.5	2.9	5.4	5.4	35.8 J	5.4	20	10
Barium	131	113	119 J	118	46.7	94.7	1,000	200
Beryllium	0.1	0.1	0.2	0.2	0.2	0.2	5	5
Cadmium	0.2	0.2	0.9	0.3	0.3	0.3	5	5
Calcium	229,000	185,000	184,000	205,000	367,000	173,000		5,000
Chromium	0.8	1.1	1.5	3.3	1.7	2.4	11	10
Cobalt	1.4	0.7	0.9	0.6	0.6	0.6		
Copper	1.2	1.2	1.4	1.2	1.2	1.2	25	25
Iron	3,580	32.9	41.3 J	9.1	9.1	10.5	7,000	100
Lead	1.5	1.5	2.4 UJ	2.4	2.4	2.4 UJ	4.2	3
Magnesium	33,000	26,300	28,100	29,400	52,300	26,700		5,000
Manganese	849	914 J	1,090 J	418	49.8	398		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.2	0.2
Nickel	1.6	2.2	3.5 J	1.1	1.8	1.5	96	40
Potassium	3,260	2,350	2,580 J	3,010 J	5,000 J	2,380		5,000
Selenium	4.4 R	4.4 UJ	4.4	4.4 UJ	8.5	4.4 R	8.5	5
Silver	0.4	0.4	0.9	0.9	0.9	0.9	10	10
Sodium	42,200	25,200	25,500 J	32,600 J	48,200	24,900		5,000
Thallium	2.6 UJ	2.6	8.5	6.3	6.3 U	6.3	40	10
Vanadium	0.8	0.8	1.1	1.1	8.5 B	9.1		50
Zinc	30.7 J	0.6	0.7 UJ	0.7	0.7 U	11.3	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	3,130 J	7,810	10,300 J	8,270 J	7,040 J	9,090		
Antimony	3.7	6.6	4.5	5.1	4.0	10.7 J		
Arsenic	5.3	6.9	5.4 UJ	5.4	45.1 J	5.4		
Barium	204	484	570 J	469	319 J	405		
Beryllium	0.1	0.8	0.8	0.2	0.2	0.4		
Cadmium	0.2	0.9	1.2	0.3	0.3	0.3		
Calcium	246,000	281,000	260,000 J	250,000	392,000	222,000		
Chromium	4.9	12.9	17.4 J	13.4	12.8	12.5		
Cobalt	4.3	7.0	9.1	6.2	5.3	6.4		
Copper	10.0	35.5	31.1 J	15.3 J	15.2	23.1 J		
Cyanide	9890.0	1.5	0.5	0.7	0.5	0.6	10.0	10.0
Iron	5	20,200	26,900 J	20,200	17,600 J	22,000		
Lead	0.1	9.2	15.7 J	11.4 J	6.7 J	7.1 J		
Magnesium	41,600	54,000	54,300 J	45,900	66,900 J	42,300		
Manganese	969	1,590	2,020 J	1,400	570	913		
Mercury	10.5	0.1	0.1	0.1	0.1	0.1 UJ		
Nickel	4.4	17.8	24 J	12.7	14.6	16.0		
Potassium	3,780	4,510	5,060 J	4,770	6,590 J	4,300		
Selenium	0.4 UJ	4.4 UJ	4.4	4.4 R	12.0 J	4.4 UJ		
Silver	2.6	0.4	0.9	0.9	0.9	0.9		
Sodium	41,200	31,200	27,100 J	32,400	48,500	26,200		
Thallium	22.7	2.6	6.3	7.0	7.7	6.3 UJ		
Vanadium	6.5	15.3 J	15.2	9.2	26.8	23.5 J		
Zinc	3 J	51.2	35.5 UJ	46.9 J	50.3 J	59.4		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Toluene						0.69 J		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

EarthTech
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Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-58

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]			Not Sampled	Not Sampled				
Aluminum	25.8	25.8	—	—	55.3	55.3		200
Antimony	3.7	3.7	—	—	3.9	3.9	60	60
Arsenic	6.0	3.1	—	—	17.7	5.4 J	20	10
Barium	228	156	—	—	162.0	157	1,000	200
Beryllium	0.1	0.1	—	—	0.2	0.2	5	5
Cadmium	0.2	0.2	—	—	0.3	0.3	5	5
Calcium	96,400	109,000	—	—	96,200	108,000		5,000
Chromium	0.8	1.5	—	—	1.8	1.5	11	10
Cobalt	0.4	1.3	—	—	0.6	1.1		50
Copper	1.2	2.9	—	—	1.2	1.2	25	25
Iron	2890	209	—	—	1,290	49.4	7,000	100
Lead	1.5	1.5	—	—	2.4 J	2.4 UJ	4.2	3
Magnesium	32,800	32,500	—	—	31,900	33,200		5,000
Manganese	354	549	—	—	398	265		15
Mercury	0.1	0.1	—	—	0.1	0.1 UJ	0.2	0.2
Nickel	1.3	2.6	—	—	1.1	1.2	96	40
Potassium	5,210	4,550	—	—	4,820	4,270		5,000
Selenium	4.4 R	4.4 UJ	—	—	5.3 J	4.4 R	8.5	5
Silver	0.4	0.4	—	—	0.9	0.9	10	10
Sodium	34,400	32,400	—	—	32,900	29,700		5,000
Thallium	2.6 UJ	2.6	—	—	6.3 J	6.3	40	10
Vanadium	0.8	1.6	—	—	7.4	11.1		50
Zinc	0.6 UJ	0.6	—	—	0.7	2.6	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	41,600	12,000	—	—	23,400	31,900		
Antimony	3.7	5.7	—	—	3.9	21.7 J		
Arsenic	32.9	11.5	—	—	60.7 J	19.6 J		
Barium	822	284	—	—	486	474		
Beryllium	2.9	1.0	—	—	1.4	1.8		
Cadmium	1.8	1.5	—	—	0.3	0.3		
Calcium	745,000	214,000	—	—	441,000	345,000		
Chromium	112	28.2	—	—	54.2 J	64.0		
Cobalt	57.2	13.4	—	—	27.4	32.2		
Copper	138.0	45.7	—	—	56.0	77.6 J		
Cyanide	3.0	0.5	—	—	0.5	0.5	10	10
Iron	129,000	32,700	—	—	61,800	80,500		
Lead	92.7	19.5	—	—	39.5 UJ	45.3 J		
Magnesium	148,000	56,000	—	—	88,600	86,600		
Manganese	4,200	1,300	—	—	2,430	1,970		
Mercury	0.1	0.1	—	—	0.1	0.1 UJ		
Nickel	124	32.1	—	—	63.0	73.4		
Potassium	11,800	7,640	—	—	11,800	11,500		
Selenium	4.4 UJ	4.4 UJ	—	—	5.1 J	4.4 UJ		
Silver	1.6	0.4	—	—	0.9	0.9		
Sodium	36,900	33,500	—	—	37,200	31,500		
Thallium	2.6	4.1 J	—	—	6.5	6.3 J		
Vanadium	74.0	23.2	—	—	63.2	59.4 J		
Zinc	367 J	81 J	—	—	178	224		
Volatile Organic Compounds (VOCs)	BRL	BRL	—	—	BRL	BRL		
Benzene					0.061 J	1.0 U	5	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	—	—	BRL	BRL		
Pesticides / PCBs	BRL	BRL	—	—	BRL	BRL		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

EarthTech
A Tyco International Ltd. Company

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-59

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	25.8	27.2	55.3	55.3	55.3	55.3		200
Antimony	6.5	3.7	3.9	3.9	5.7	6.9	**60**	60
Arsenic	2.9	2.9	5.4	5.4	**28.5 J**	5.4	**20**	10
Barium	40.7	21.8	23.2	28.6	23.0	21.1	**1,000**	200
Beryllium	0.1	0.1	0.2	0.2	0.2	0.2	**5**	5
Cadmium	0.2	0.2	0.3	0.3	0.3	0.3	**5**	5
Calcium	261,000	239,000	209,000	238,000	217,000	236,000		5,000
Chromium	0.8	1.8	1.5	4.4	2.4	1.5	**11**	10
Cobalt	0.4	0.4	0.6	0.6	0.7	0.6		50
Copper	4.0	2.1	1.2	1.2	1.2	1.2	**25**	25
Iron	14.1	28.8	31	9.1	9.1	9.1	**7,000**	100
Lead	1.5	1.5	2.4	2.4	2.4	2.4 UJ	**4.2**	3
Magnesium	59,500	49,000	43,900	53,500	44,200	53,900		5,000
Manganese	27.3	4.5 J	0.6	13.6	1.3	0.6		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	**0.2**	0.2
Nickel	2.3	2.6	2.2	1.1	1.2	1.1	**96**	40
Potassium	29,800	32,800	29,200	25,200	32,500 J	19,200		5,000
Selenium	4.4 R	4.4 UJ	4.4 R	4.4 UJ	4.4	4.4 R	**8.5**	5
Silver	0.4	0.4	0.9	1.2	0.9	0.9	**10**	10
Sodium	186,000	166,000	145,000	179,000	134,000	135,000		5,000
Thallium	2.6 UJ	3.1 J	6.3 UJ	6.3	6.3	6.3	**40**	10
Vanadium	0.8	1.4	1.1	1.1	8.6	16.0		50
Zinc	0.6 UJ	3.1	0.7	0.7	0.7	13.3	**86**	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	3,710	816	754	4,300 J	1,040 J	7,180		
Antimony	3.7	4.7	3.9	4.9	4.2	13.7 J		
Arsenic	4.3	2.9	5.4	5.4	28.2 J	5.4		
Barium	213	55	58.4	214	44.6 J	328		
Beryllium	0.1	0.2	0.2	0.2	0.2	0.3		
Cadmium	0.2	0.2	0.3	0.3	0.3	1.5		
Calcium	281,000	243,000	234,000	276,000	211,000	275,000		
Chromium	19.1	5.5	3.7	22.8	6.8	28.7		
Cobalt	7.4	2.1	2.5	8.4	2.1	13.1		
Copper	11.9	10.1	4.1	6.5 J	2.7	18.4 J		
Cyanide	3.0	1	0.6	0.5	0.5	0.6	**10**	10
Iron	12,900	3,020	2,710	14,000	4,260 J	23,600		
Lead	10.0	1.5	4.7 J	11.7 J	2.4	8.6 J		
Magnesium	62,400	51,500	49,100	58,000	40,400	61,100		
Manganese	923	224	357	1,180	295	1,680		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ		
Nickel	20	6.7	6.3	19.0	6.6	32.7		
Potassium	31,900	32,500	32,900	28,600	33,700 J	22,000		
Selenium	4.4 UJ	4.4 UJ	4.4 UJ	4.4 R	4.4	4.4 UJ		
Silver	0.4	0.4	0.9	0.9	0.9	0.9		
Sodium	180,000	162,000	152,000	184,000	127,000	143,000		
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ		
Vanadium	5.9	2.3	1.1	1.2	10.6	25.1 J		
Zinc	36.3 J	7.9	10.6	34.4 J	15.0 J	68.0		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
1,1-Dichloroethane	1.0 U	1.0 U	0.18 J	0.098 J	0.18 J	1.0 U		10
Ethylbenzene				0.016 J	1.0 U	1.0 U	**62**	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

EarthTech
A Tyco International Ltd. Company

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-60

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]		Insufficient Volume		Insufficient Volume				
Aluminum	25.8	25.8	57.9	—	55.3 J	55.3		200
Antimony	3.7	5.1	3.9	—	7.4	11.0	**60**	60
Arsenic	2.9	2.9	5.4	—	35.4 J	5.4	**20**	10
Barium	28.7	27.1	37	—	85.2 J	48.7	**1,000**	200
Beryllium	0.1	0.2	0.2	—	0.2	0.2	**5**	5
Cadmium	0.2	0.2	0.6	—	0.3	0.3	**5**	5
Calcium	100,000	309,000	163,000	—	298,000	299,000		5,000
Chromium	0.8	2.6	1.5	—	3.0	1.5	**11**	10
Cobalt	0.4	0.4	0.6	—	0.6	0.6		50
Copper	4.2	4	1.2	—	1.2	1.2	**25**	25
Iron	14.1	14.1	26.4	—	9.1 J	58.5	**7,000**	100
Lead	1.5	1.5	2.4	—	2.4 J	2.4 UJ	**4.2**	3
Magnesium	20,100	88,200	28,800	—	50,800 J	61,600		5,000
Manganese	2.4	0.5 J	1.4	—	1.0	1.7		15
Mercury	0.1	0.1	0.1	—	0.1	0.1 UJ	**0.2**	0.2
Nickel	0.7	2.4	2.1	—	1.2	1.1	**96**	40
Potassium	6,970	6,480	6,640	—	13,100 J	8,350		5,000
Selenium	4.4 R	4.4 UJ	4.4 R	—	6.8 J	4.4 R	**8.5**	5
Silver	0.4	0.4	0.9	—	0.9	0.9	**10**	10
Sodium	201,000	46,000	46,000	—	89,800	74,800		5,000
Thallium	2.6 UJ	2.6	6.3 UJ	—	6.3	6.3	**40**	10
Vanadium	0.8	0.8	1.1	—	9.9	16.7		50
Zinc	0.6 UJ	0.6	0.7	—	0.7 J	7.0	**86**	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	13,400 J	32,500	16,300	—	23,700	18,300		
Antimony	3.7	9.7	8.2	—	3.9	5.3 J		
Arsenic	11.7	17	5.4	—	49.9 J	5.4		
Barium	89.8	129	88.1	—	159	111		
Beryllium	0.9	2.5	1.3	—	1.3	1.0		
Cadmium	0.2	2.8	1.2	—	0.3	0.3		
Calcium	158,000	492,000	234,000	—	337,000	342,000		
Chromium	33.2	59.6	31.6	—	44.0	33.4		
Cobalt	16.6	36.1	19.1	—	25.3	19.2		
Copper	29.3	54.5	26.9	—	25.4	25.3 J		
Cyanide	3.0	—	0.5	—	0.5	—	**10**	10
Iron	31,300	74,200	41,800	—	58,100	42,400		
Lead	28.2	40.4	26.9 J	—	35.0	20.6 J		
Magnesium	32,500	112,000	41,900	—	62,200 J	73,500.0		
Manganese	555	1,410	785	—	1,880	1,960.0		
Mercury	0.1	0.1	0.1	—	0.1	0.1 UJ		
Nickel	31.6	67.3	37.8	—	50.1	34.8		
Potassium	9,290	11,800	10,600	—	17,600 J	12,600		
Selenium	4.4 UJ	4.4 UJ	4.4 UJ	—	9.9	4.4 UJ		
Silver	0.4	0.4	0.9	—	0.9	0.9		
Sodium	212,000	44,600	45,000	—	89,000	78,600		
Thallium	2.6	11 J	6.3	—	6.3	6.3 UJ		
Vanadium	23.2	51.2	19.8	—	55.0	39.8 J		
Zinc	135 J	180	97.3	—	140	116		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	—	BRL	BRL		
Carbon disulfide					0.53 U	1.0 U		10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	—	BRL	BRL		
N-Nitrosodiphenylamine					0.954 U	11.6 U		10
Pesticides / PCBs	BRL	BRL	BRL	—	BRL	BRL		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
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5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
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11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-61

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	25.8	25.8	55.3	55.3	55.3	55.3		200
Antimony	3.7	4.5	4.5	7.5	7.5	5.7	60	60
Arsenic	7.5	2.9	5.4	5.4	31.2 J	12.9 J	20	10
Barium	83.3	39.4	45.3 J	65.0	65.6	35.2	1,000	200
Beryllium	0.1	0.1	0.2	0.2	0.2	0.2	5	5
Cadmium	0.2	0.3	0.9	0.3	0.3	0.3	5	5
Calcium	191,000	191,000	178,000	199,000	216,000	183,000		5,000
Chromium	0.8	1.1	1.5	3.8	1.9	1.5	11	10
Cobalt	2.0	1.4	1.4	1.3	1.6	0.9		50
Copper	1.2	8	1.2	1.2	1.2	1.2	25	25
Iron	5,100	187	1,370 J	4,410	1,310	32.1	5,000	100
Lead	1.5	1.5	2.4 UJ	2.4 UJ	2.4	2.4 UJ	4.2	3
Magnesium	35,700	29,100	34,100	40,500	41,500	33,500		5,000
Manganese	866	485	481	686	564	713		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.2	0.2
Nickel	4.0	4.2	4.7 J	4.0	3.6	2.0	96	40
Potassium	10,100	6,990	7,160	8,690 J	8,360 J	6,540		5,000
Selenium	4.4 R	4.4 UJ	4.4	4.4 UJ	4.5	4.4 R	8.5	5
Silver	0.4	0.4	0.9	0.9	0.9	0.9	10	10
Sodium	28,300	27,900	28,600	28,400 J	56,600	24,800		5,000
Thallium	2.6 UJ	2.6	6.3	8.2 J	6.3	6.3	40	10
Vanadium	0.8	1.2	1.1	4.4	8.8	9.3		50
Zinc	4.8 J	0.6	0.7 UJ	0.7	0.7	7.0	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	1,080	452	5,090 J	7,740 J	6,330 J	4,610		
Antimony	3.7	4.8	5.2	3.9	4.3	6.2 J		
Arsenic	3.7	2.9	5.4 UJ	5.4	40.5 J	7.6 J		
Barium	91.3	44.1	108 J	155	121 J	79.7		
Beryllium	0.1	0.2	0.6	0.2	0.2	0.2		
Cadmium	0.2	0.3	1.2	0.3	0.3	0.3		
Calcium	190,000	187,000	217,000 J	278,000	237,000	222,000		
Chromium	2.1	1.9	8.1 J	15.0	12.3	8.5		
Cobalt	3.3	1.7	6.5	8.2	5.8	4.7		
Copper	4.2	22.2	12.4 J	12.6 J	8.0	9.5 J		
Cyanide	3.0	0.5	0.5	0.8	0.5	0.5	10	10
Iron	8,640	2,430	17,500 J	26,200	16,100 J	13,500		
Lead	1.6	22.1	9.3 J	10.3 J	4.7 J	2.4 UJ		
Magnesium	37,500	30,000	45,200 J	59,700	45,600 J	44,500		
Manganese	922	527	751 J	1,190	754	923		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ		
Nickel	7.6	4.3	17.2 J	19.3	14.8	10.9		
Potassium	9,430	6,950	9,300	10,900	10,400 J	8,380		
Selenium	4.4 UJ	4.4 UJ	4.4	4.4 R	5.2 J	4.4 UJ		
Silver	0.4	0.4	0.9	0.9	0.9	0.9		
Sodium	27,700	27,000	30,300 J	32,800	57,400	27,800		
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ		
Vanadium	0.8	2.1	3.4	6.6	21.7	18.2 J		
Zinc	13.8 J	7.3 J	22.4 UJ	56.9 J	39.5 J	37.8		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon disulfide	1.0 U	1.0 U	1.0 U	0.43 J	1.0 U	1.0 U		10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Bis(2-Chloroethyl)ether			0.665 J	0.893 J	10.0 U	10.4 U	13.6	10
Bis (2-ethlyhexyl) phthalate	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.4 U	49	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-62A

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	25.8	25.8	55.3	55.3	55.3	1,180		200
Antimony	3.7	3.7	4.7	5.4	5.4	5.5	60	60
Arsenic	2.9	2.9	5.4	5.4	16.5 J	8.1 J	20	10
Barium	126	111	117	111	68.5	125	1,000	200
Beryllium	0.1	0.1	0.2	0.2	0.2	0.2	5	5
Cadmium	0.2	0.2	0.3	0.3	0.3	0.3	5	5
Calcium	123,000	122,000	122,000	132,000	88,000	133,000		5,000
Chromium	0.8	2.1	2.8	4.5	3.3	4.3	11	10
Cobalt	0.4	0.5	0.6	0.6	0.6	1.2		50
Copper	2.7	1.2	1.2	1.2	1.2	1.4	25	25
Iron	14.1	14.1	27	9.1	10.2	2,870	7,000	100
Lead	1.5	1.5	2.4	2.4	2.4	2.4 UJ	4.2	3
Magnesium	49,200	48,700	47,700	49,400	32,700	51,300		5,000
Manganese	51.4	164 J	58.2	29.2	9.7	239		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.2	0.2
Nickel	0.9	1.8	2.2	1.1	1.1	5.1	96	40
Potassium	10,800	11,100	10,900	10,000 J	6,680 J	9,340		5,000
Selenium	4.4 R	4.4 UJ	4.4 R	4.4 UJ	4.4	4.4 R	8.5	5
Silver	0.4	0.4	0.9	1.6	0.9	0.9	10	10
Sodium	120,000	120,000	108,000	120,000 J	77,000	111,000		5,000
Thallium	2.6 UJ	2.6	6.3 UJ	6.3	6.3	6.3	40	10
Vanadium	0.8	1.6	1.1	1.1	8.2	15.2		50
Zinc	0.9	0.6	3.7	0.7	5.2	15.2	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	24,100	13,200	4,100	5,690 J	12,400 J	44,600		
Antimony	3.7	6.1	8.0	3.9	3.9	27.5 J		
Arsenic	17.7	8.3	5.4	5.4	37.6 J	5.4		
Barium	633	361	226	237	363 J	867		
Beryllium	1.5	1.1	0.3	0.2	0.5	2.2		
Cadmium	1.1	1.6	0.3	0.3	0.3	9.8		
Calcium	618,000	337,000	231,000	200,000	239,000	886,000		
Chromium	49.5	29.6	10.7	17.8	33.9	73.4		
Cobalt	33.5	15.6	5.4	6.2	13.9	51.5		
Copper	72.8	42.7	8.8	9.6 J	25.1	86.3 J		
Cyanide	3.0	1.0	0.5	0.6	0.5	—	10.0	10.0
Iron	60,800	35,000	9,710	14,200	31,900 J	99,000		
Lead	72.8	39.5	12 J	16.8 J	23.9 J	62 J		
Magnesium	137,000	88,000	57,500	57,400	68,800 J	107,000		
Manganese	3,380	1,460	746	608	1,030	5,270		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ		
Nickel	64.3	35.4	13.1	12.3	35.1	101		
Potassium	15,100	13,900	12,100	12,000	13,800 J	18,700		
Selenium	4.4 UJ	4.4 UJ	4.4 UJ	4.4 R	8.1 J	4.4 UJ		
Silver	0.4	0.4	0.9	0.9	0.9	0.9		
Sodium	121,000	123,000	108,000	121,000	118,000	123,000		
Thallium	2.6	6.9 J	6.3	6.3	6.3	6.3 UJ		
Vanadium	40.5	23.0	1.1	1.9	37.1	72.9 J		
Zinc	181 J	101	34.7	42.9 J	97.8 J	324		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Benzene				0.035 J	1.0 U	1.0 U	5	10
Ethylbenzene				0.019 J	1.0 U	1.0 U	62	10
Xylene (total)				0.039 J	1.0 U	1.0 U	10,000	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-62B

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-05**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Well is Dry	Well is Dry	Insufficient Volume	Well is Dry	Insufficient Volume	Insufficient Volume		
Inorganics - Metals and Cyanide (Total)	—	—	—	—	—	—		
Volatile Organic Compounds (VOCs)	—	—	BRL	—	BRL	BRL		
1,1-Dichloroethane			1.9		0.47 J	0.26 J		10
Chlorobenzene			0.29 J		1.0 U	1.0 U	26	10
Trichlorothene			0.11 J		1.0 U	1.0 U	5	10
Xylene			0.4 J		1.0 U	1.0 U	10,000	10
Benzene			6.0		1.0 U	1.0 U	5	10
Semi-Volatile Organic Compounds (SVOCs)	—	—	—	—	BRL	—		
Bis (2-Chloroethyl) ether					11.8 U		13.6	10
Pesticides / PCBs	—	—	—	—	—	—		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-63

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	November-03	March-04	May-04	September-04	December-04	March-05	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved)[13]								
Aluminum	25.8	25.8	82.4	55.3	55.3	55.3		200
Antimony	3.7	3.8	11.3	5.7	6.2	7.8	60	60
Arsenic	5.4	2.9	5.4	5.4	30.4 J	14.8 J	20	10
Barium	68.6	20.1	29.9 J	50.6	41.3	31.7	1,000	200
Beryllium	0.1	0.2	0.5	0.2	0.2	0.2	5	5
Cadmium	0.2	0.2	1.3	0.3	0.3	0.3	5	5
Calcium	278,000	295,000	287,000	292,000	252,000	286,000		5,000
Chromium	0.8	1.8	1.5	4.7	3.2	1.5	11	10
Cobalt	4.1	1.1	3.6	2.9	2.6	2.4		50
Copper	1.2	2	1.2	1.2	1.2	1.2	25	25
Iron	1,150	21.4	620 J	1,150	1,220	655	7,000	100
Lead	1.5	1.5	2.4 UJ	2.4	2.4	2.4 UJ	4.2	3
Magnesium	61,000	67,000	67,400	63,300	57,900	69,600		5,000
Manganese	2,600	271 J	1,840 J	2,610	1,970	1,530		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.2	0.2
Nickel	6.9	3.2	8.8 J	4.0	3.8	1.6	96	40
Potassium	11,600	5,210	7,800 J	9,090 J	8,450 J	5,920		5,000
Selenium	4.4 R	4.4 UJ	4.4	4.4 UJ	6.8	4.4	8.5	5
Silver	0.4	0.4	0.9	0.9	0.9	0.9	10	10
Sodium	72,100	46,100	75,100 J	99,800 J	50,700	44,700		5,000
Thallium	2.6 UJ	4.6	6.3	6.3	6.3	6.3	40	10
Vanadium	0.8	0.8	1.1	1.1	10.9	16.5		50
Zinc	3.7 J	0.6	0.7 UJ	0.7	0.7	8.3	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	10,500	26,600	44,700 J	37,200 J	30,700 J	62,600		
Antimony	3.7	5.7	13.6	3.9	3.9	30.1 J		
Arsenic	9.3	17.1	9.7 J	5.4	74.0 J	5.4		
Barium	147	186	334 J	279	244 J	393		
Beryllium	0.6	2.1	3.4	1.4	1.7	3.5		
Cadmium	0.2	2.5	3.9	0.3	0.3	0.3		
Calcium	465,000	465,000	659,000 J	569,000	752,000	702,000		
Chromium	13.7	38.2	66.8 J	52.0	41.9	67.9		
Cobalt	17.5	28.3	56.1	41.1	38.6	60.7		
Copper	17.4	69.2	104 J	64.0 J	43.0	124 J		
Cyanide	3.0	0.5	1.2	0.7	0.5	0.5 U	10	10
Iron	25,800	63,200	112,000 J	84,700	69,800 J	141,000		
Lead	23.4	41	76.4 J	57.4 J	46.6 J	85.6 J		
Magnesium	96,100	111,000	148,000 J	121,000	106,000 J	157,000		
Manganese	4,090	2,570	5,580 J	5,250	6,160	5,660		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 J		
Nickel	31	58.1	114 J	83.3	68.7	119		
Potassium	31,500	9,320	15,800 J	15,500	16,100 J	15,200		
Selenium	4.4 UJ	4.4 UJ	7.2	4.4 R	12.3 J	17.2 J		
Silver	0.4	0.4	0.9	0.9	0.9	0.9		
Sodium	73,600	45,000	81,700 J	100,000	53,100	45,800		
Thallium	2.6	8.5 J	6.3	6.3	6.3	6.3 UJ		
Vanadium	17.8	43	69.3	58.7	74.1	90.7 J		
Zinc	66.3 J	176 J	292 J	243 J	199 J	403		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Acetone	5.0 U	5.0 R	5.0 R	5.0 R	5.0 R	5.0 R		10
Benzene				0.027	1.0 U	1.0 U	5	10
Carbon disulfide	1.0 U	1.0 U	1.0 U	0.075 J	1.0 U	1.0 U		10
Ethylbenzene				0.022 J	1.0 U	1.0 U	62	10
Xylene (total)				0.037 J	1.0 U	1.0 U	10,000	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate			0.692 J	10.0 U	10.0 U	10.0 U	10	10
Butylbenzylphthalate		0.61 J	10.0 U	10.0 U	10.0 U	0.771 J	10	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) *Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)*
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-64

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	25.8	25.8	55.3	55.3	55.3	55.3		200
Antimony	3.7	3.7	6.9	7.1	5.9	3.9	60	60
Arsenic	2.9	2.9	5.4	5.4	23.6 J	5.4	20	10
Barium	44.6	28.3	29.3	26.6	28.3	29.6	1,000	200
Beryllium	0.1	0.1	0.2	0.2	0.2	0.2	5	5
Cadmium	0.2	0.2	0.3	0.3	0.3	0.3	5	5
Calcium	185,000	176,000	170,000	184,000	173,000	182,000		5,000
Chromium	0.8	1.7	3.5	6.0	2.6	1.5	11	10
Cobalt	0.5	1.8	1.2	0.9	1.1	0.6		50
Copper	3.4	1.2	2.2	1.2	1.2	1.2	25	25
Iron	14	14	35.5	9.1	9.1	9.1	7,000	100
Lead	1.5	1.5	2.4	2.4	2.4	2.4 UJ	4.2	3
Magnesium	61,800	56,700	55,100	59,600	58,000	59,200		5,000
Manganese	292	1,170 J	2,270	100	830	863		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.2	0.2
Nickel	5.2	7.8	10.7	2.8	9.4	5.1	96	40
Potassium	12,300	12,900	17,500	20,400 J	18,000 J	10,200		5,000
Selenium	4.4 R	4.4 UJ	4.4 R	4.4 UJ	4.4	4.4 R	8.5	5
Silver	0.4	0.4	0.9	1.1	0.9	0.9	10	10
Sodium	67,600	53,900	61,400	64,400 J	56,200	45,000		5,000
Thallium	2.6 UJ	2.6	6.3 UJ	6.3	6.3	6.3	40	10
Vanadium	0.8	0.8	1.1	1.1	9.6	13.4		50
Zinc	2.6 J	0.6	0.7	0.7	0.7	5.1	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	18,700 J	3,080	3,440	14,600 J	15,100 J	15,800		
Antimony	3.7	4.9	4.8	3.9	3.9	12.0 J		
Arsenic	10.8	2.9	5.4	5.4	36.4 J	5.4		
Barium	*95.9*	*37.1*	*36.6*	*59.8*	*68.7 J*	*66.6*		
Beryllium	1.0	0.3	0.5	0.3	0.8	0.8		
Cadmium	0.2	0.2	0.7	0.3	0.3	0.3		
Calcium	311,000	213,000	213,000	224,000	245,000	249,000		
Chromium	29.4	7	2.8	24.3	28.7	22.7		
Cobalt	23.1	5.4	6.3	13.6	17.2	18.3		
Copper	16.3	11.3	7.4	14.9 J	17.7	18.2 J		
Cyanide	3.0	1.3	0.5	1.2	0.5	0.5	10	10
Iron	42,900	7,520	8,940	34,500	38,600 J	38,200		
Lead	20.0	1.5	6.2 J	14.4 J	15.1 J	11.0 J		
Magnesium	77,300	66,000	56,200	67,300	74,100 J	71,100		
Manganese	2,390	1,650	2,840	1,460	2,530	2,550		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ		
Nickel	46.0	16.4	20.3	32.3	42.9	36.3		
Potassium	14,700	15,000	18,400	23,500	21,200 J	14,500		
Selenium	4.4 UJ	4.4 UJ	4.4 UJ	4.4 R	5.1 J	4.4 UJ		
Silver	0.4	0.4	0.9	0.9	0.9	0.9		
Sodium	68,300	59,800	58,200	63,100	56,300	49,600		
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ		
Vanadium	27.3	5.3	1.1	16.0	40.8	32.3 J		
Zinc	114 J	13.6 J	19.1	70.3 J	83.1 J	82.4		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Bis (2-ethlyhexyl) phthalate	10.0 U	10.0	10.0 U	10.0 U	10.0 U	10.0 U	49	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-65

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Insufficient Volume	Insufficient Volume	Insufficient Volume	Well is Dry	Insufficient Volume	Well is Dry		
Antimony	—	—	—	—	—	—	60	60
Arsenic	—	—	—	—	—	—	10	10
Barium	—	—	—	—	—	—	1,000	200
Beryllium	—	—	—	—	—	—	5	5
Cadmium	—	—	—	—	—	—	5	5
Chromium	—	—	—	—	—	—	11	10
Copper	—	—	—	—	—	—	25	25
Iron	—	—	—	—	—	—	5,000	100
Lead	—	—	—	—	—	—	4.2	3
Mercury	—	—	—	—	—	—	0.2	0.2
Nickel	—	—	—	—	—	—	96	40
Selenium	—	—	—	—	—	—	5	5
Silver	—	—	—	—	—	—	10	10
Thallium	—	—	—	—	—	—	40	10
Zinc	—	—	—	—	—	—	86	20
Inorganics - Metals and Cyanide (Total)								
Antimony	—	—	—	—	—	—		
Arsenic	—	—	—	—	—	—		
Barium	—	—	—	—	—	—		
Beryllium	—	—	—	—	—	—		
Cadmium	—	—	—	—	—	—		
Chromium	—	—	—	—	—	—		
Copper	—	—	—	—	—	—		
Cyanide	—	—	—	—	—	—	10	10
Iron	—	—	—	—	—	—		
Lead	—	—	—	—	—	—		
Mercury	—	—	—	—	—	—		
Nickel	—	—	—	—	—	—		
Selenium	—	—	—	—	—	—		
Silver	—	—	—	—	—	—		
Thallium	—	—	—	—	—	—		
Zinc	—	—	—	—	—	—		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	—	BRL	—		
Semi-Volatile Organic Compounds (SVOCs)	BRL	—	BRL	—	—	—		
4-Nitrophenol	10.0 U						150	25
Bis (2-ethlyhexyl) phthalate	*10.0 U*						49	10
Pesticides / PCBs	—	—	—	—	—	—		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Creek Surface Water Sample Location SW-50

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved) [13]								
Aluminum	25.8	25.8	74.3	55.3	55.3	55.3		200
Antimony	3.7	3.7	4.7	9.9	3.9	5.9	**60**	60
Arsenic	2.9	2.9	5.4	5.4	13.1 J	5.4	**20**	10
Barium	40.0	35.8	50.9	56.3	38.4	40.2	**1,000**	200
Beryllium	0.1	0.1	0.3	0.2	0.2	0.2	**5**	5
Cadmium	0.2	0.1	1.2	0.3	0.3	0.3	**5**	5
Calcium	84,100	103,000	92,300	95,700	10,900	93,500		5,000
Chromium	0.8	1.6	1.5	3.5	3.8 J	1.5	**11**	10
Cobalt	0.5	0.4	0.6	0.6	0.6	0.6		
Copper	4.4	4.3	1.4	1.2	1.2	1.2	**25**	25
Iron	14.1	14.1	36.5	9.1	9.1	9.1	**7,000**	100
Lead	1.5	1.5	2.4	2.4 UJ	2.4 UJ	2.4 UJ	**4.2**	3
Magnesium	23,400	29,700	28,600	28,500	30,500	30,900		5,000
Manganese	3.8	30.0 J	5.0	27.1	2.8	0.9		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	**0.2**	0.2
Nickel	0.7	1	2.8	1.1	1.1	1.1	**96**	40
Potassium	3,840	2,980	3,160	4,340	2,180	1,870		5,000
Selenium	4.4 R	4.4 R	4.4 R	4.4 R	7.9 J	4.4 R	**8.5**	5
Silver	0.4	0.4	0.9	1.3	1.0	0.9	**10**	10
Sodium	32,100	59,200	38,700	49,200 J	45,800	90,000		5,000
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ	**40**	10
Vanadium	0.8	2.2	1.1	4.0	7.8	9.5		50
Zinc	0.6 UJ	0.6	0.7 UJ	0.7	0.7	3.7	**86**	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	25.8	62,300 J	100	55.3	55.3	55.3		
Antimony	3.7	7.3 J	3.9	3.9	3.9	3.9		
Arsenic	3.4	50.7 J	5.4	5.4	18.2	5.4		
Barium	41.3	499 J	53	57.6	39.1	40.1		
Beryllium	0.1	4.9	0.2	0.2	0.2	0.2		
Cadmium	0.2	5	0.9	0.3	0.3	0.3		
Calcium	86,400	427,000 J	93,500	93,400	106,000	92,900		
Chromium	0.8	72.6 J	1.5	2.9	2.2	1.5		
Cobalt	0.4	59.7	0.6	0.6	0.6	0.6		
Copper	4.4	131 J	1.2	1.2	1.2	1.2		
Cyanide	3.0	0.8	0.5	0.5	0.5	0.6	**10**	10
Iron	69.2	124,000 J	102	9.1	34.2	15.0		
Lead	1.5	122 J	2.4	2.4	2.4 UJ	2.4 UJ		
Magnesium	23,900	80,300	30,200	26,800	30,600	30,200		
Manganese	5.8	5,690	8.1	43.3	4.5	1.2		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1		
Nickel	0.7	116 J	1.1	1.1	1.1	1.1		
Potassium	3,990	12,200	3,230	3,910	2,150	1,760		
Selenium	4.4 R	4.4 R	4.4	4.4 R	4.4 UJ	4.4 R		
Silver	0.4	0.4	0.9	0.9	0.9	0.9		
Sodium	33,000	60,200	40,300	48,100	44,600	89,000		
Thallium	2.6	2.6	6.3	6.3	7.4 J	6.3		
Vanadium	0.8	105	1.1	1.1	6.3	9.7		
Zinc	1.3 J	490 J	0.7 UJ	0.7	0.7	1.7		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Acetone						2.2 R		10
1,2,4-Trichlorobenzene				0.026 J	1.0 U	1.0 U	**77**	10
Chloroform				0.019 J	1.0 U	1.0 U	**79**	10
Carbon Disulfide					0.53 J	1.0 U		
Semi-Volatile Organic Compounds (SVOCs)	BRL	10.0 U	BRL	BRL	BRL	BRL		
Fluoranthene		0.84 J	10.0 U	10.0 U	10.0 U	10.0 U	**10**	10
Phenanthrene		0.79 J	10.0 U	10.0 U	10.0 U	10.0 U	**10**	10
Pyrene		0.67 J	10.0 U	10.0 U	10.0 U	10.0 U		10
Diethylphthalate	2.17 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U		10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Creek Surface Water Sample Location SW-51

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	25.8	25.8	89.6	55.3	55.3	55.3		200
Antimony	3.7	3.7	3.9	3.9	3.9	3.9	60	60
Arsenic	3.2	2.9	5.4	7.7	12.1 J	5.4	20	10
Barium	42.2	35.8	46.2	51.0	39.1	41	1,000	200
Beryllium	0.1	0.1	0.3	0.2	0.2	0.2	5	5
Cadmium	0.2	0.1	1.2	0.3	0.3	0.3	5	5
Calcium	88,800	106,000	89,600	89,300	110,000	95,500		5,000
Chromium	0.8	1.6	1.5	3.1	1.5 J	1.5	11	10
Cobalt	0.4	0.4	0.6	0.6	0.6	0.6		50
Copper	5.1	4.3	1.2	1.2	1.2	1.2	25	25
Iron	14.1	14.1	41.5	9.1	9.1	9.1	7,000	100
Lead	1.5	1.5	2.4	2.4	2.4 UJ	2.4 UJ	4.2	3
Magnesium	24,700	31,500	29,200	29,300	32,000	31,500		5,000
Manganese	4.6	29.9 J	4.3	2.6	5.6	1.3		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	0.7	1.0	2.5	1.1	1.1	1.1	96	40
Potassium	3,910	2,160	3,010	3,960	2,160	1,800		5,000
Selenium	4.4 R	4.4 R	4.4 R	4.4 R	4.4 UJ	4.4 R	8.5	5
Silver	0.4	0.4	0.9	1.2	0.9	0.9	10	10
Sodium	34,000	60,200	41,100	49,200 J	46,700	102,000		5,000
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ	40	10
Vanadium	0.8	2.4	1.1	1.1	7.0	9.5		50
Zinc	0.6 UJ	0.6	0.7 UJ	0.7	0.7	2.5	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	25.8	9,250 J	55.3	55.3	55.3	55.3		
Antimony	3.7	7.3 J	4.6	6.7	3.9	3.9		
Arsenic	2.9	50.7 J	5.4	5.4	19.4	5.4		
Barium	42.6	499 J	48.9	50.7	39.7	40.0		
Beryllium	0.1	4.9	0.2	0.2	0.2	0.2		
Cadmium	0.2	5	0.7	0.3	0.3	0.3		
Calcium	86,700	153,000 J	89,900	89,400	110,000	90,500		
Chromium	0.8	72.6 J	1.5	2.6	1.7	1.5		
Cobalt	0.4	7.8	0.6	0.6	0.6	0.6		
Copper	3.2	131 J	1.2	1.2	1.2	1.2		
Cyanide	3.0	0.8	0.5	0.5	0.5	0.6	10	10
Iron	83.8	124000 J	63.6	82.8	39.0	28.6		
Lead	1.5	122 J	2.4	2.4	2.4 UJ	2.4 UJ		
Magnesium	23,900	38,900 J	26,900	27,300	32,500	29,800		
Manganese	6.5	685 J	7.1	12.2	6.7	2.4		
Mercury	0.1	0.1	0.1	0.1	0.100	0.1		
Nickel	0.7	116 J	1.3	1.1	1.100	1.1		
Potassium	3,820	4,470	2,870	3,890	2,130	1,760.0		
Selenium	4.4 R	4.4 R	4.4	4.4 R	4.6 J	4.4 R		
Silver	0.4	0.4	0.9	1.1	0.9	0.9		
Sodium	32,800	61,800	40,900	49,400	44,900	100,000		
Thallium	2.6	2.6	6.3	6.3	6.3 UJ	6.3		
Vanadium	0.8	18.7 J	1.1	1.1	6.8	9.2		
Zinc	0.6 UJ	490 J	0.7 UJ	0.7	0.7	2.4		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Acetone					5.0 R	5.0 R		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Creek Surface Water Sample Location SW-52

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	25.8	25.8	81.9	55.3	55.3	55.3		200
Antimony	3.7	3.7	5.5	8.8	3.9	3.9	60	60
Arsenic	2.9	2.9	5.4	5.4	20.1 J	10.0 J	20	10
Barium	40.7	36.7	50.7	54.3	40.4	42.2	1,000	200
Beryllium	0.1	0.1	0.3	0.2	0.2	0.2	5	5
Cadmium	0.2	0.2	1.1	0.3	0.3	0.3	5	5
Calcium	86,000	107,000	92,700	96,400	112,000	97,600		5,000
Chromium	0.8	1.7	1.5	3.0	1.6 J	1.5	11	10
Cobalt	0.4	0.4	0.6	0.6	0.6	0.6		50
Copper	3.7	3	1.5	1.2	1.2	1.2	25	25
Iron	14.1	14.1	52.3	9.1	9.1	9.1	7,000	100
Lead	1.5	1.5	2.4 UJ	2.4	2.4 UJ	2.4 UJ	4.2	3
Magnesium	23,500	30,700	29,200	27,300	32,100	31,500		5,000
Manganese	5.0	1.5 J	5.1	24.0	5.0	1.3		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	0.7	2.4	2.1	1.1	1.1	1.1	96	40
Potassium	3,720	1,900	3,260	3,600	2,100	1,660		5,000
Selenium	4.4 R	4.4 R	4.4 R	4.4 R	4.4 UJ	4.4 R	8.5	5
Silver	0.4	0.4	0.9	1.5	0.9	0.9	10	10
Sodium	32,900	61,400	39,400	49,600 J	49,700	88,900		5,000
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ	40	10
Vanadium	0.8	1.9	1.1	1.1	8.0	9.8		50
Zinc	1.5 J	3.4	0.7 UJ	0.7	0.7	3.6	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	25.8	26.8 J	100	55.3	55.3	55.3		
Antimony	3.7	3.7 UJ	3.9	3.9	4.6	3.9		
Arsenic	2.9	11.1 J	5.4	5.4	20.1	9.8 J		
Barium	41.2	112 J	51.6	53.3	42.3	39.9		
Beryllium	0.1	0.7	0.2	0.2	0.2	0.2		
Cadmium	0.2	0.5	1.1	0.3	0.3	0.3		
Calcium	84,800	108,000 J	98,900	98,000	10,900	90,100		
Chromium	0.8	12.7 J	1.5	3.0	1.9	1.5		
Cobalt	0.4	0.5	0.6	0.6	0.6	0.6		
Copper	3.3	22 J	1.2	1.2	1.2	1.2		
Cyanide	3.0	0.6	0.5	0.5	0.5	0.6	10	10
Iron	79.6	17800 J	81.7	88.8	55.9	24.2		
Lead	1.5	17.3 J	2.4	2.4	2.4 UJ	2.4 UJ		
Mangesium	23,300	31,100 J	29,700	26,200	31,100	28,700		
Manganese	6.8	3.2 J	9.8	28.1	7.3	1.5		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1		
Nickel	0.7	16.4 J	1.4	1.1	1.1	1.1		
Potassium	3,710	1,900	2,940	3,700	2,210	1,580		
Selenium	4.4 R	4.4 R	4.4	4.4 R	4.4 UJ	4.4 R		
Silver	0.4	0.4	0.9	1.2	0.9	0.9		
Sodium	32,800	61,200	40,000	51,100	50,300	85,600		
Thallium	2.6	2.6	10.2 J	6.3	6.3 UJ	6.3		
Vanadium	0.8	2.2 J	1.1	1.1	6.9	9.9		
Zinc	0.6 UJ	52.9 J	0.7 UJ	0.7	0.7	0.7		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = *An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.*
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Outfall Surface Water Run Off Location SWD-1

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Location is Dry	Location is Dry	Location is Dry	Location is Dry	Location is Dry	Location is Dry		
Antimony	—	—	—	—	—	—	**60**	60
Arsenic	—	—	—	—	—	—	**10**	10
Barium	—	—	—	—	—	—	**1,000**	200
Beryllium	—	—	—	—	—	—	**5**	5
Cadmium	—	—	—	—	—	—	**5**	5
Chromium	—	—	—	—	—	—	**11**	10
Copper	—	—	—	—	—	—	**25**	25
Iron	—	—	—	—	—	—	**5,000**	100
Lead	—	—	—	—	—	—	**4.2**	3
Mercury	—	—	—	—	—	—	**0.2**	0.2
Nickel	—	—	—	—	—	—	**96**	40
Selenium	—	—	—	—	—	—	**5**	5
Silver	—	—	—	—	—	—	**10**	10
Thallium	—	—	—	—	—	—	**40**	10
Zinc	—	—	—	—	—	—	**86**	20
Inorganics - Metals and Cyanide (Total)								
Antimony	—	—	—	—	—	—		
Arsenic	—	—	—	—	—	—		
Barium	—	—	—	—	—	—		
Beryllium	—	—	—	—	—	—		
Cadmium	—	—	—	—	—	—		
Chromium	—	—	—	—	—	—		
Copper	—	—	—	—	—	—		
Cyanide	—	—	—	—	—	—	**10**	10
Iron	—	—	—	—	—	—		
Lead	—	—	—	—	—	—		
Mercury	—	—	—	—	—	—		
Nickel	—	—	—	—	—	—		
Selenium	—	—	—	—	—	—		
Silver	—	—	—	—	—	—		
Thallium	—	—	—	—	—	—		
Zinc	—	—	—	—	—	—		
Volatile Organic Compounds (VOCs)	—	—	—	—	—	—		
Semi-Volatile Organic Compounds (SVOCs)	—	—	—	—	—	—		
Pesticides / PCBs	—	—	—	—	—	—		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Outfall Surface Water Run Off Location SWD-2

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-05**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Location is Dry	Location is Dry	Location is Dry	Location is Dry		Location is Dry		
Aluminum	—	—	—	—	55.3	—		200
Antimony	—	—	—	—	3.9	—	60	60
Arsenic	—	—	—	—	37.4	—	20	10
Barium	—	—	—	—	9.5	—	1,000	200
Beryllium	—	—	—	—	0.2	—	5	5
Cadmium	—	—	—	—	0.3	—	5	5
Calcium	—	—	—	—	202,000 J	—		5,000
Chromium	—	—	—	—	2.8	—	11	10
Cobalt	—	—	—	—	0.6	—		50
Copper	—	—	—	—	1.2	—	25	25
Iron	—	—	—	—	14.3	—	7,000	100
Lead	—	—	—	—	2.4	—	4.2	3
Magnesium	—	—	—	—	66,900	—		5,000
Manganese	—	—	—	—	0.6	—		15
Mercury	—	—	—	—	0.1 UJ	—	0.2	0.2
Nickel	—	—	—	—	3.5	—	96	40
Potassium	—	—	—	—	3,970	—		5,000
Selenium	—	—	—	—	4.4	—	8.5	5
Silver	—	—	—	—	0.9	—	10	10
Sodium	—	—	—	—	6,580	—		5,000
Thallium	—	—	—	—	6.3	—	40	10
Vanadium	—	—	—	—	7.6	—		50
Zinc	—	—	—	—	0.7	—	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	—	—	—	—	55.3	—		
Antimony	—	—	—	—	3.9	—		
Arsenic	—	—	—	—	38.7	—		
Barium	—	—	—	—	9.9	—		
Beryllium	—	—	—	—	0.2	—		
Cadmium	—	—	—	—	0.3	—		
Calcium	—	—	—	—	209,000 J	—		
Chromium	—	—	—	—	2.8	—		
Cobalt	—	—	—	—	0.6	—		
Copper	—	—	—	—	1.2	—		
Cyanide	—	—	—	—	0.6	—	10	10
Iron	—	—	—	—	31.3	—		
Lead	—	—	—	—	2.4	—		
Magnesium	—	—	—	—	67,900	—		
Manganese	—	—	—	—	2.8	—		
Mercury	—	—	—	—	0.1 UJ	—		
Nickel	—	—	—	—	1.1	—		
Potassium	—	—	—	—	4,010	—		
Selenium	—	—	—	—	4.4	—		
Silver	—	—	—	—	0.9	—		
Sodium	—	—	—	—	5,360	—		
Thallium	—	—	—	—	6.3	—		
Vanadium	—	—	—	—	6.7	—		
Zinc	—	—	—	—	0.7	—		
Volatile Organic Compounds (VOCs)	—	—	—	—	BRL	—		
Semi-Volatile Organic Compounds (SVOCs)	—	—	—	—	BRL	—		
Pesticides / PCBs	—	—	—	—	BRL	—		

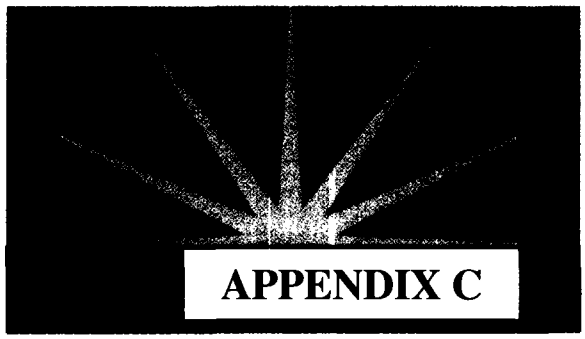
Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Outfall Surface Water Run Off Location SWD-3

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**November-03**	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]				Location is Dry				
Aluminum	98.7	34.6	55.3	—	55.3 U	65.5		200
Antimony	3.7	3.7	3.9	—	3.9	25.0	60	60
Arsenic	2.9	5.3	5.4	—	30.2	5.4	20	10
Barium	40.1	29.8	32.7	—	31.1	24.4	1,000	200
Beryllium	0.1	0.2	0.2	—	0.2	0.2	5	5
Cadmium	0.2	0.2	0.3	—	0.3	0.3	5	5
Calcium	130,000	125,000	107,000	—	131,000 J	93,300		5,000
Chromium	1.4	0.8	1.5	—	2.2	1.7	11	10
Cobalt	0.4	0.4	0.6	—	0.9	0.6		50
Copper	10.4	4.6 J	1.2	—	2.8	1.2	25	25
Iron	59.0	17.2	22.2	—	17.8	17.3	7,000	100
Lead	1.5	1.5	2.4	—	2.4	2.4 UJ	4.2	3
Magnesium	28,500	30,400	27,800	—	26,100	21,400		5,000
Manganese	10.9	3.0	77.2	—	4.3	20.5		15
Mercury	0.1 UJ	0.1	0.1	—	0.1 UJ	0.1	0.2	0.2
Nickel	0.7	1.4	1.2	—	2.1	1.1	96	40
Potassium	3,870	3,570	4,200	—	3,390	3,660		5,000
Selenium	4.4	4.4 UJ	4.4 R	—	4.4	4.4 UJ	8.5	5
Silver	0.4	0.4	0.9	—	0.9	0.9	10	10
Sodium	11,100	12,200	14,800	—	10,300	8,870		5,000
Thallium	2.6	2.6	6.3	—	6.3	6.3	40	10
Vanadium	2.2	0.8	1.1	—	4.0	10.0		50
Zinc	91.6 J	0.6	0.7	—	27.0	0.7	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	177	1,800	199	—	55.3	560		
Antimony	3.7	5.2	3.9	—	3.9	3.9		
Arsenic	2.9	2.9	5.4	—	25.5	5.4		
Barium	37.0	40	33.1	—	32.8	29.5		
Beryllium	0.1	0.2	0.2	—	0.2	0.2		
Cadmium	0.2	0.2	0.3	—	0.3	0.3		
Calcium	12,100	131,000	108,000	—	135,000 J	104,000		
Chromium	1.0	1.4	1.5	—	1.5	1.5		
Cobalt	0.4	1.5	0.6	—	0.6	0.6		
Copper	14.8	11 J	1.2	—	7.8	1.2		
Cyanide	3.0	0.8	0.8	—	0.5	0.8	10	10
Iron	155	2200	258	—	67.8	814		
Lead	1.5	1.5	2.4	—	2.4	2.4 UJ		
Magnesium	26,600	31,600	28,700	—	27,400	23,900		
Manganese	16.5	87.5	87.9	—	3.2	42.6		
Mercury	0.1 UJ	0.1	0.1	—	0.1 UJ	0.1		
Nickel	0.7	2.5	1.2	—	1.1	1.1		
Potassium	3,560	4,170	4,100	—	3,450	4,020		
Selenium	4.4	4.4 R	4.4 UJ	—	4.4	4.4		
Silver	0.4	0.4	0.9	—	0.9	0.9		
Sodium	10,300	12,600	14,100	—	10,400	9,320		
Thallium	2.6	2.6	6.3	—	6.3	6.3		
Vanadium	0.8	2.2	1.1	—	4.7	10.4		
Zinc	32.6 J	14.6	1.3	—	7.3	0.7		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	—	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	—	BRL	BRL		
Acenaphthene						0.911 J	520	10
Fluorene						0.503 J		10
Phenanthrene						1.02 J	10	10
Pesticides / PCBs	BRL	BRL	BRL	—	BRL	BRL	BRL	

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



LABORATORY DATA VALIDATION REPORT

APPENDIX C

EarthTech
A Tyco International Ltd Company

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 54280

LABORATORY REPORT NUMBER 205030910

PROJECT MANAGER: Ron Rolker

Date: June 6, 2005

Revised Report Dated: September 7, 2005

Data Validator: Mark Kromis

LIST OF ACRONYMS

BFB	Bromofluorobenzene
CC	Continuing Calibration
CCV	Continuing Calibration Verification
CCB	Continuing Calibration Blanks
CLP	Contract Laboratory Program
CRDL	Contract Required Detection Limit
DFTPP	Decafluorotriphenylphosphine
GC/MS	Gas Chromatograph Mass Spectrometer
IC	Initial Calibration
ICB	Initial Calibration Blank
IDL	Instrument Detection Limit
ICP	Inductively Coupled Plasma
ICS	Interference Check Sample
ICV	Initial Calibration Verification
ILM	Inorganic Analysis Multi-Media Multi-Concentration
INDAM	Individual A Mixture
INDBM	Individual B Mixture
mg/L	milligrams per liter
MS/MSD	Matrix Spike/Matrix Spike Duplicate
OLC	Organic Analysis Low Concentration
OLM	Organic Analysis Multi-Media Multi-Concentration
%D	Percent Difference
% RSD	Percent Relative Standard Deviation
PB	Preparation Blanks
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RRF	Relative Response Factor
SDG	Sample Delivery Group
SOW	Statement of Work
µg/L	micrograms per liter
US EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds
VTSR	Validated Time of Sample Receipt

CASE NARRATIVE

The Inorganic portion of this report was revised do to the submission of additional data for the metals that were not reported by GCAL in the original data package. The following metals were included in the resubmission: Aluminum, Calcium, Cobalt, Magnesium, Manganese, Potassium, Sodium, and Vanadium.

Pages 598, 605, 622, 623, 624, and 625 associated with the pesticide analysis were also included in the resubmitted report.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205030910 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 205030910.

GCAL #	Sample Description
20503091001	SKGW06R-1013
20503091002	SKGW07R-1013
20503091004	SKGW06R-1013 (DISS)
20503091005	SKGW07R-1013 (DISS)
20503091007	SKGW58-1013
20503091008	SKGW58MS-1013
20503091009	SKGW58-1013 (DISS)
20503091010	SKGW58MS-1013 (DISS)
20503091012	SKGW58MSD-1013 (DUP)
20503091013	SKGW64-1013
20503091014	SKGW63-1013
20503091015	SKGW58MSD-1013 DUP (DISS)
20503091016	SKGW64-1013 (DISS)
20503091017	SKGW63-1013 (DISS)
20503091020	SKGW61-1013
20503091021	SKGW61-DUP-1013
20503091022	SKGW62A-1013
20503091023	SKGW60-1013
20503091024	SKGW61-1013 (DISS)
20503091025	SKGW61-DUP-1013 (DISS)
20503091026	SKGW62A-1013 (DISS)
20503091027	SKGW60-1013 (DISS)
20503091028	SKGW59-1013
20503091029	SKGWEB-1013
20503091030	SKGW59-1013 (DISS)
20503091031	SKGWEB-1013 (DISS)

INTRODUCTION

Analyses of metals were performed according to Contract Laboratory Program (CLP)-Inorganic Analysis Multi-media Multi-concentration ILM04.1 Statement of Work (SOW). Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values maybe used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis.

The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the inorganics data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. Calibration
   A. Initial Calibration (IC)
   B. Continuing Calibration (CC)
3. Blanks
4. Inductively Coupled Plasma (ICP) Interference Check Sample
5. Laboratory Control Sample (LCS)
6. Duplicate Analysis
7. Spike Sample Analysis

8. ICP Serial Dilution

9. System Performance

10. Documentation

11. Overall Assessment

1. HOLDING TIMES

All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol. Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. CALIBRATION

A. Initial Calibration

The percent recoveries for the Initial Calibration Verification (ICV) standard were within Quality Control (QC) limits for all constituents.

B. Continuing Calibration

The percent recoveries for the Continuing Calibration Verification (CCV) standard were within QC limits for all constituents.

3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL) with the exception of Selenium in the PB and CCB's #2, #4, #5, #7, and #8. As per the National Functional Guidelines; sample results greater than the IDL but less than 5 times the amount found in any blank should be qualified as (U). If any analyte concentration in the PB is above the CRDL, the lowest concentration of that analyte in the associated samples must be 10 times the PB concentration. Otherwise, all samples associated with that blank should have been redigested and reanalyzed. Technically the samples should have been re-digested and re-analyzed for Selenium. The Selenium results in the dissolved fraction were rejected do to the 0% recovery associated with the matrix spike therefore further data qualification was not warranted.

4. ICP INTERFERENCE CHECK SAMPLE

Results for the ICP analysis of the Interference Check Sample (ICS) solution AB were within 20% of the true value.

5. LABORATORY CONTROL SAMPLES

Recoveries were within the control limit (80-120%) for all constituents.

6. DUPLICATE ANALYSIS

The laboratory used sample SKGW581010 (total and dissolved) and SKSW50MSD-1013 (total) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target compounds with the exception of Arsenic associated with the total fraction. As per the National Functional Guidelines, if the results from a duplicate analysis for a particular analyte fall outside the appropriate fixed control windows, qualify the results for that analyte in all associated samples of the same matrix with a "J".

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SKGW581013 and SKGW5801013 (dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Antimony (59%), Selenium (60%), and Thallium (74%) in the total fraction and Selenium (0%) in the dissolved fraction. As per the National Functional Guidelines: if the percent recovery is greater than 125% qualify detected results for that analyte with "J". If the percent recovery is less than 75% but greater than 30% then qualify detected results for that analyte with "J" and non-detected results with "UJ". If the percent recovery is less than 30% then qualify detected results for that analyte with "J" and non-detected results with "R".

8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes with the exception of Copper and Vanadium associated with the total fraction. As per the National Functional Guidelines, if the required 10% Difference criteria is not met then qualify the associated data for the analyte with a "J".

9. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

10. DOCUMENTATION

The documentation appeared accurate and in order with the exception of an "*" in the qualifier field of the Form I for the total metals. The data validator crossed the "*" out with a single line and dated and initialed the report.

11. OVERALL ASSESSMENT

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards were 126.5%, 146%, 138.5%, 122%, and 126.5%.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards were 88.3%, 61.7%, 86.7%, 65%, and 98.3%.

The percent recoveries for Mercury in the Contract Required Detection Limit (CRDL) standards were 69%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards were 103%, 108%, 127%, 97%, and 59%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards were 69%, 109%, 93%, 112, and 98.5%.

If the CRDL is greater than 120% then detected results greater than the IDL but less than two times the CRDL are qualified as estimated with "J". If the CRDL is below 80% then detected results are qualified as estimated with "J" and the non-detected results were qualified with "UJ".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205030910 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 205030910.

GCAL #	Sample Description
20503091001	SKGW06R-1013
20503091002	SKGW07R-1013
20503091007	SKGW58-1013
20503091008	SKGW58MS-1013
20503091011	SKGW58MSD-1013
20503091013	SKGW64-1013
20503091014	SKGW63-1013
20503091020	SKGW61-1013
20503091021	SKGW61-DUP-1013
20503091022	SKGW62A-1013
20503091023	SKGW60-1013
20503091028	SKGW59-1013
20503091029	SKGWEB-1013

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various data qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the semivolatile data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. GC/MS Tuning
3. Calibration
   A. IC
   B. CC
4. Blanks
5. System Monitoring Compound Recovery
6. MS/MSD
7. Internal Standards Performance
8. Compound Identification
9. Constituent Quantitation and Reported Detection Limits
10. System Performance
11. Documentation
12. Overall Assessment

1. HOLDING TIMES

All samples were initially extracted within the seven-day technical holding time and the five-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. One decafluorotriphenylphosphine (DFTPP) tune was run representing the shift in which the standards and samples were analyzed. The DFTPP tune is acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 3/30/05 was analyzed in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent % RSD values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF were within the acceptance criteria specified in the method for all reported analytes. The %RSD's were within the acceptance criteria specified in the method for all target analytes with the exception of Diethylphthalate (44.5%). The lowest point of the calibration curve was dropped for Diethylphthalate and the %RSD was recalculated. The recalculated %RSD was within the acceptance criteria of less than 30%. Diethylphthalate were not detected in the associated samples therefore data qualification was not required.

B. Continuing Calibration

One CC dated 3/30/05 was analyzed in support of the semivolatile sample analyses reported in the data submissions. The RRF's for the CC's were within the acceptance criteria. The percent difference (%D) between the average RRF's and the CC Response Factors were within the acceptance criteria.

4. BLANKS

Two laboratory semivolatile method blanks and equipment blank were analyzed with this SDG. The results are summarized below.

<u>Method Blank (228648SBLK)</u>

Di-n-butylphthalate (1.23 ppb) was detected in the blank extracted on 3/14/05. It should be noted that there was a peak on the chromatogram where Bis-(2-ethylhexyl) phthalate elutes but the peak was not quantified.

The data validator estimated the concentration to be approximately 1 ppb, therefore samples the were extracted on 3/14/05 with a concentration of less than 10 ppb Bis-(2-ethylhexyl) phthalate were qualified as not detected with "U".

Method Blank (229410SBLK)

Bis-(2-ethylhexyl) phthalate (0.735 ppb) was detected in the blank extracted on 3/17/05.

Equipment Blank (SKGWEB1013)

Bis-(2-ethylhexyl) phthalate (0.735 ppb) was detected in equipment collected on 3/14/05.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits except for Terphenyl-d14 associated with samples SKGW58MS-1013 (32%) and SKGW62A-1013 (32%). No action was taken because only one SMC was outside of the control limits.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample SKGW581013 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. The %RPD between the MS/MSD are within the acceptance criteria.

7. INTERNAL STANDARDS PERFORMANCE

Internal standard areas and retention times were within acceptable limits for the reported semivolatile sample analyses.

8. COMPOUND IDENTIFICATION

All reported semivolatile constituents were correctly identified with supporting chromatograms present in the data package.

9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents

10. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data submitted for review.

11. DOCUMENTATION

The documentation appeared accurate and in order.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205030910 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 205030910.

GCAL #	Sample Description
20503091001	SKGW06R-1013
20503091002	SKGW07R-1013
20503091003	SKGWTB1-1013
20503091007	SKGW58-1013
20503091008	SKGW58MS-1013
20503091011	SKGW58MSD-1013
20503091013	SKGW64-1013
20503091014	SKGW63-1013
20503091018	SKGW52B-1013
20503091019	SKGWTB2-1013
20503091020	SKGW61-1013
20503091021	SKGW61-DUP-1013
20503091022	SKGW62A-1013
20503091023	SKGW60-1013
20503091028	SKGW59-1013
20503091029	SKGWEB-1013

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The volatiles data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. GC/MS Tuning
3. Calibration
   A. IC
   B. CC
4. Blanks
5. System Monitoring Compound Recovery
6. MS/MSD
7. Laboratory Control Sample
8. Internal Standards Performance
9. Compound Identification
10. Constituent Quantitation and Reported Detection Limits
11. System Performance
12. Documentation

13. Overall Assessment

1. HOLDING TIMES

All samples for Volatile Organic Compounds (VOC) analyses were analyzed within the 14-day technical holding time and the 10-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/MS TUNING

The samples were analyzed on two GC/MS systems, identified as MSV0 and MSV4. Two bromofluorobenzene (BFB) tunes were run on MSV0 and one BFB tune on MSV4. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

Two IC's dated 3/9/05 and 3/13/05 were analyzed on instrument MSV0 and one IC dated 3/17/05 was analyzed on instrument MSV4 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds. The %RSD's were within the acceptance criteria specified in the method for all target analytes.

The RRF's and the average RRF for the IC's dated 3/9/05, 3/13/05, and 3/17/05 were within the acceptance criteria specified in the method for all target analytes with the exception of Acetone and 2-Butanone. The %RSD's were within the acceptance criteria specified in the method for all target analytes. As per the National Functional Guidelines, if any initial calibration RRF is less than 0.05, qualify positive results that have acceptable mass spectral identification with "J", using professional judgement, and non-detected analytes as unusable (R). It should be noted that the laboratory did meet the minimum RRF of 0.01 for all target compounds.

B. Continuing Calibration

Two CC's dated 3/9/05 and 3/13/05 were analyzed on instrument MSV0 and one CC dated 3/17/05 were analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRF's and the CC RF's were within the acceptance criteria for all target analytes. The CC RRF's were within the acceptance criteria specified in the method for all target analytes with the exception of Acetone and 2-Butanone associated with the CC's dated 3/9/05, 3/13/05, and 3/17/05. The Acetone and 2-Butanone results were previously qualified under section 3A above.

4. BLANKS

Three laboratory volatile method blanks, storage blank, equipment blank, and two trip blanks were analyzed with this SDG. The results are summarized below.

MB227834

Toluene (0.59 ppb) was detected in the method blank analyzed on 3/9/05.

MB228631

There were no target analytes detected in the method blank analyzed on 3/13/05.

MB229511

There were no target analytes detected in the method blank analyzed on 3/17/05.

Storage Blank (VHBLK)

There were no target analytes detected in the storage blank analyzed on 3/13/05.

Equipment Blank (SKGWEB1013)

Acetone (11 ppb) was detected in the Equipment Blank collected on 3/14/05.

Trip Blank (SKGWTB1-1013)

2-Butanone (3.8 ppb), Methylene chloride (0.70 ppb), and Toluene (0.55 ppb) were detected in the Trip Blank associated with the samples received at the laboratory on 3/9/05.

Trip Blank (SKGWTB2-1013)

2-Butanone (1.3 ppb) and Methylene chloride (0.78 ppb) were detected in the Trip Blank associated with the samples received at the laboratory on 3/11/05.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds were recovered within acceptable control limits (80%-120%) for all samples.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKGW581013 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

Three Laboratory Control Samples were analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

8. INTERNAL STANDARDS PERFORMANCE

Internal Standard (IS) areas and retention times were within acceptable limits for the reported volatile sample analyses.

9. COMPOUND IDENTIFICATION

All reported VOCs were correctly identified with supporting chromatograms present in the data package.

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

12. DOCUMENTATION

The documentation appeared accurate and in order with the exception of the LCS identified on the forms II and III. The laboratory was contacted and the corrections to the forms.

13. OVERALL ASSESSMENT

The data validator suspects that Toluene is present in sample SKGW06R1013 because trace levels of Ethylbenzene and Xylenes were also detected in the sample therefore, the Toluene result was qualified as estimated even though Toluene was detected in the associated method blank. The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 205030910 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 205030910.

GCAL #	Sample Description
20503091001	SKGW06R-1013
20503091002	SKGW07R-1013
20503091007	SKGW58-1013
20503091008	SKGW58MS-1013
20503091011	SKGW58MSD-1013
20503091013	SKGW64-1013
20503091014	SKGW63-1013
20503091020	SKGW61-1013
20503091021	SKGW61-DUP-1013
20503091022	SKGW62A-1013
20503091023	SKGW60-1013
20503091028	SKGW59-1013
20503091029	SKGWEB-1013

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the pesticide data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. Gas Chromatograph/Electronic Capture Detector (GC/ECD) Instrument Performance Check
3. IC
4. Calibration Verification
5. Blanks
6. Surrogate Spikes
7. Matrix Spike/Matrix Spike Duplicate (MS/MSD)
8. Pesticide Cleanup Checks
9. Target Compound Identification
10. Constituent Quantitation and Reported Detection Limits
11. Documentation
12. Overall Assessment

1. HOLDING TIMES

All samples were originally extracted within the seven-day technical holding time and the five-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits.

The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check.

The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM). The percent breakdown for both 4,4'-DDT and Endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and Endrin in each PEM was less than 30.0% for both GC columns.

3. INITIAL CALIBRATION

Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria with the exception of gamma-chlordane analyzed 3/28-30/05 (DB-XLB-30M). The data validator qualified the detected results for gamma-chlordane with "J" and the non-detected results for gamma-chlordane with "UJ".

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20% for the samples analyzed on 3/29/05. The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20% with the exception of alpha-BHC (23.2%) and delta-BHC (22.0%) associated with the samples analyzed on 3/30/05 (DB-35MS-30M). The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks. As per the National Functional Guidelines, up to two single component target pesticides (other than the surrogates) per column may exceed the 20% limit but the %RSD must be less than 30.0%.

4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent with the exception of Endrin, 4,4'-DDT, and TCX for the calibration dated 3/30/05 on column DB-35MS-30M. The percent difference for each of the pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures A and B was within the acceptance criteria of ±25.0 percent.

As per the National Functional Guidelines, if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all associated detected results with "J" and non-detects with "UJ". The analytical run dated 3/28-29/05 was used to report the sample results therefore the results were not qualified for the discrepancy noted above.

5. BLANKS

Two laboratory method blanks and an Equipment blank were analyzed with this SDG. The results are summarized below.

Method Blank 228646

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 3/13/05.

Method Blank 229443

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 3/17/05.

Equipment Blank SKGWEB1013

No constituents were detected above the laboratory-reporting limit in the equipment blank collected on 3/14/05.

6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples with the exception of DCB associated with samples SKGW06R-1013 and SKGW64-1013. As per the National Functional Guidelines, if low recoveries (i.e., between 10 and 30 percent) are obtained, associated detected compounds should be qualified "J" and non-detected compounds qualified with "UJ".

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKGW581013 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

9. TARGET COMPOUND IDENTIFICATION

All reported pesticide data were correctly identified with supporting chromatograms present in the data package.

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for pesticide constituents.

11. DOCUMENTATION

The following documentation was either missing or had problems associated with the quantification:

Form VI

INDAM02	3/29/05	1834	was not included in the original data submission
INDBM03	3/29/05	1856	was not included in the original data submission

Form VII

INDAM02	3/29/05	1834	was not included in the original data submission
INDBM03	3/29/05	1856	was not included in the original data submission
INDAM03	3/30/05	0109	was not included in the original data submission
INDBM03	3/30/05	0131	was not included in the original data submission

Form VII

PEM01 3/30/05 on column DB-35MS results were incorrectly quantified

Form VI

RESC01 (gamma-chlordane) results were incorrectly quantified

The data validator contacted GCAL and requested the missing information and the Form IV and Form VI corrected. GCAL corrected the deficiencies and re-issued the report under 205030910 "RESUBMITTED".

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

REFERENCES

US EPA, 1994. *National Functional Guidelines for Inorganic Data Review.*

US EPA, 1999. *National Functional Guidelines for Organic Data Review.*

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 04/01/2005

GCAL Report 205030910

RESUBMITTED

Deliver To	Earth Tech 2373 Progress St Hebron, KY 41048 859-442-2300
Attn	Pat Higgins

Customer Earth Tech

Project Skinner Landfill

CASE NARRATIVE

Client: Earth Tech **Report:** 205030910

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

This report is being resubmitted on 06/17/05.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 - CLP Semi-Volatiles analysis, samples 20503091011 (SKGW58MSD-1013) and 20503091022 (SKGW62A-1013) had one surrogate recovery outside control limits in the base-neutral fraction. All other surrogate recoveries were acceptable for these samples.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis, samples 20503091001 (SKGW06R1013) and 20503091013 (SKGW64-1013), Decachlorobiphenyl recovery was below suggested QC limits.

In the OLM04.2 - CLP Pest/PCB analysis, the PEM before the calibration on 03/30/2005, GCSV3AD, data file SV3002, failed QC limits. The remaining PEM's were within acceptable QC limits.

In the OLM04.2 - Pesticides analysis for prep batch 288958, the MS/MSD exhibited sporadic recovery and RPD failures.

In the OLM04.2 - Pesticides analysis, the resolution check on GCSV8 on 03/28/05 was recalculated yielding 96% resolution for gamma-Chlordane. This resolution check is being resubmitted.

In the Pesticide PEM01 analyzed on GCSV3 on 03/30/05 at 1638, the target data file was inadvertently reprocessed causing the manual integration of several peaks to be deleted. In re-integrating the necessary peaks, several values for the PEM changed; therefore, the PEM summary form and associated data is being resubmitted.

METALS

In the ILM04.1 - CLP Metals analysis for prep batch 288896, the MS recoveries were outside the control limits for Antimony, Selenium, and Thallium. The LCS recoveries were within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The MS recovery is not applicable for Aluminum and Iron because the sample concentration is greater than four times the spike concentration.

The sample/duplicate RPD for Arsenic and Antimony is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. Copper and Vanadium are flagged as estimated due to the fact that the percent difference between the original sample result and the serial dilution result is greater than 10. A chemical or physical interference is suspected.

In the ILM04.1 - CLP Metals analysis for prep batch 288899, the MS recovery was outside the control limits for Selenium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

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This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Curtis Ekker

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 205030910

THIS REPORT CONTAINS 926 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20503091001	SKGW06R1013	Water	03/07/2005 13:40	03/09/2005 09:24
20503091002	SKGW07R1013	Water	03/07/2005 14:35	03/09/2005 09:24
20503091003	SKGWTB1-1013	Water		03/09/2005 09:24
20503091004	SKGW06R1013 (DISS)	Water	03/07/2005 13:40	03/09/2005 09:24
20503091005	SKGW07R1013 (DISS)	Water	03/07/2005 14:35	03/09/2005 09:24
20503091006	VHBLK	Water		03/09/2005 09:24
20503091007	SKGW58-1013	Water	03/09/2005 10:55	03/10/2005 08:45
20503091008	SKGW58MS-1013	Water	03/09/2005 13:20	03/10/2005 08:45
20503091009	SKGW58-1013 (DISS)	Water	03/09/2005 10:55	03/10/2005 08:45
20503091010	SKGW58MS-1013 (DISS)	Water	03/09/2005 13:20	03/10/2005 08:45
20503091011	SKGW58MSD-1013	Water	03/09/2005 13:55	03/11/2005 09:30
20503091012	SKGW58MSD-1013 (DUP)	Water	03/09/2005 13:55	03/11/2005 09:30
20503091013	SKGW64-1013	Water	03/10/2005 10:45	03/11/2005 09:30
20503091014	SKGW63-1013	Water	03/10/2005 13:45	03/11/2005 09:30
20503091015	SKGW58MSD-1013 DUP (DISS)	Water	03/09/2005 13:55	03/11/2005 09:30
20503091016	SKGW64-1013 (DISS)	Water	03/10/2005 10:45	03/11/2005 09:30
20503091017	SKGW63-1013 (DISS)	Water	03/10/2005 13:45	03/11/2005 09:30
20503091018	SKGW52B-1013	Water	03/09/2005 15:00	03/11/2005 09:30
20503091019	SKGWTB2-1013	Water		03/11/2005 09:30
20503091020	SKGW61-1013	Water	03/11/2005 12:15	03/12/2005 10:20
20503091021	SKGW61-DUP-1013	Water	03/11/2005 12:30	03/12/2005 10:20
20503091022	SKGW62A-1013	Water	03/11/2005 14:20	03/12/2005 10:20
20503091023	SKGW60-1013	Water	03/11/2005 14:00	03/12/2005 10:20
20503091024	SKGW61-1013 (DISS)	Water	03/11/2005 12:15	03/12/2005 10:20
20503091025	SKGW61-DUP-1013 (DISS)	Water	03/11/2005 12:30	03/12/2005 10:20
20503091026	SKGW62A-1013 (DISS)	Water	03/11/2005 14:20	03/12/2005 10:20
20503091027	SKGW60-1013 (DISS)	Water	03/11/2005 14:00	03/12/2005 10:20
20503091028	SKGW59-1013	Water	03/14/2005 11:50	03/15/2005 09:30
20503091029	SKGWEB-1013	Water	03/14/2005 13:55	03/15/2005 09:30
20503091030	SKGW59-1013 (DISS)	Water	03/14/2005 11:50	03/15/2005 09:30
20503091031	SKGWEB-1013 (DISS)	Water	03/14/2005 13:55	03/15/2005 09:30

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW06R1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091001

Level: (low/med) Lab File ID: 2050309/U0553

% Moisture: not dec. Date Collected: 03/07/05 Time: 1340

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/09/05

Instrument ID: MSV0 Date Analyzed: 03/09/05 Time: 1744

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288545

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	0.44	J	0.010	1.0	

6/7/05 MSR

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW06R1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091001

Level: (low/med) Lab File ID: 2050309/U0553

% Moisture: not dec. Date Collected: 03/07/05 Time: 1340

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/09/05

Instrument ID: MSV0 Date Analyzed: 03/09/05 Time: 1744

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288545

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	0.74	J	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	0.19	J	0.010	1.0

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6/7/05
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FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW06R1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091001

Sample wt/vol: Units: Lab File ID 2050309/U0554

Level: (low/med) Date Collected: 03/07/05 Time: 1340

% Moisture: not dec. Date Received: 03/09/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/09/05 Time: 1744

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

FORM I VOA-TIC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SKGW07R1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091002

Level: (low/med) Lab File ID: 2050309/U0554

% Moisture: not dec. Date Collected: 03/07/05 Time: 1435

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/09/05

Instrument ID: MSV0 Date Analyzed: 03/09/05 Time: 1806

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288545

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/7/05
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FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW07R1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091002

Level: (low/med) Lab File ID: 2050309/U0554

% Moisture: not dec. Date Collected: 03/07/05 Time: 1435

GC Column: DB-624-30M ID: 53 (mm) Date Received: 03/09/05

Instrument ID: MSV0 Date Analyzed: 03/09/05 Time: 1808

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288545

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	0.69	J	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

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6/12/05 MSA

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW07R1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091002

Sample wt/vol: Units: Lab File ID: 2050309/U0554

Level: (low/med) Date Collected: 03/07/05 Time: 1435

% Moisture: not dec. Date Received: 03/09/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/09/05 Time: 1806

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGWTB1-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091003

Level: (low/med) Lab File ID: 2050309/U0556

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/09/05

Instrument ID: MSV0 Date Analyzed: 03/09/05 Time: 1852

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288545

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	3.8	J	0.010	5.0	J
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGWTB1-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091003

Level: (low/med) Lab File ID: 2050309/U0556

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/09/05

Instrument ID: MSV0 Date Analyzed: 03/09/05 Time: 1852

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288545

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	0.70	J	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	0.55	J	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

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6/7/05 MSR

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGWTB1-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091003

Sample wt/vol: Units: Lab File ID: 2050309/U0556

Level: (low/med) Date Collected: Time:

% Moisture: not dec. Date Received: 03/09/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/09/05 Time: 1852

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW58-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091007

Level: (low/med) Lab File ID: 2050313P/U0707

% Moisture: not dec. Date Collected: 03/09/05 Time: 1055

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/10/05

Instrument ID: MSV0 Date Analyzed: 03/13/05 Time: 1828

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288735

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

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FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW58-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091007

Level: (low/med) Lab File ID: 2050313P/U0707

% Moisture: not dec. Date Collected: 03/09/05 Time: 1055

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/10/05

Instrument ID: MSV0 Date Analyzed: 03/13/05 Time: 1828

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288735

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW58-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091007

Sample wt/vol: Units: Lab File ID: 2050313P/U0707

Level: (low/med) Date Collected: 03/09/05 Time: 1055

% Moisture: not dec. Date Received: 03/10/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/13/05 Time: 1828

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW64-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091013

Level: (low/med) Lab File ID: 2050313P/U0712

% Moisture: not dec. Date Collected: 03/10/05 Time: 1045

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/11/05

Instrument ID: MSV0 Date Analyzed: 03/13/05 Time: 2021

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288735

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/7/05

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW64-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091013

Level: (low/med) Lab File ID: 2050313P/U0712

% Moisture: not dec. Date Collected: 03/10/05 Time: 1045

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/11/05

Instrument ID: MSV0 Date Analyzed: 03/13/05 Time: 2021

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288735

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW64-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091013

Sample wt/vol: Units: Lab File ID: 2050313P/U0712

Level: (low/med) Date Collected: 03/10/05 Time: 1045

% Moisture: not dec. Date Received: 03/11/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/13/05 Time: 2021

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	60-29-7	Ether	3.342	2.51	
2.	108-20-3	Diisopropyl ether	4.796	2.72	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SKGW63-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091014

Level: (low/med) Lab File ID: 2050313P/U0713

% Moisture: not dec. Date Collected: 03/10/05 Time: 1345

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/11/05

Instrument ID: MSV0 Date Analyzed: 03/13/05 Time: 2043

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288735

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/7/05 DM

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW63-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091014

Level: (low/med) Lab File ID: 2050313P/U0713

% Moisture: not dec. Date Collected: 03/10/05 Time: 1345

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/11/05

Instrument ID: MSV0 Date Analyzed: 03/13/05 Time: 2043

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288735

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW63-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091014

Sample wt/vol: Units: Lab File ID: 2050313P/U0713

Level: (low/med) Date Collected: 03/10/05 Time: 1345

% Moisture: not dec. Date Received: 03/11/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/13/05 Time: 2043

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW62B-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091018

Level: (low/med) Lab File ID: 2050313P/U0711

% Moisture: not dec. Date Collected: 03/09/05 Time: 1500

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/11/05

Instrument ID: MSV0 Date Analyzed: 03/13/05 Time: 1958

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288735

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	0.26	J	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/9/05 NJE

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SKGW~~52B~~-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091018

Level: (low/med) Lab File ID: 2050313P/U0711

% Moisture: not dec. Date Collected: 03/09/05 Time: 1500

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/11/05

Instrument ID: MSV0 Date Analyzed: 03/13/05 Time: 1958

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288735

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW52B-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091018

Sample wt/vol: Units: Lab File ID: 2050313P/U0711

Level: (low/med) Date Collected: 03/09/05 Time: 1500

% Moisture: not dec. Date Received: 03/11/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/13/05 Time: 1958

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	124-19-6	Nonanal	10.584	.696	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGWTB2-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091019

Level: (low/med) Lab File ID: 2050313P/U0714

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/11/05

Instrument ID: MSV0 Date Analyzed: 03/13/05 Time: 2106

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288735

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	1.3	J	0.010	5.0	J
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/7/05

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGWTB2-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091019

Level: (low/med) Lab File ID: 2050313P/U0714

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/11/05

Instrument ID: MSV0 Date Analyzed: 03/13/05 Time: 2108

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288735

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	0.78	J	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGWTB2-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091019

Sample wt/vol: Units: Lab File ID: 2050313P/U0714

Level: (low/med) Date Collected: Time:

% Moisture: not dec. Date Received: 03/11/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/13/05 Time: 2106

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW61-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091020

Level: (low/med) Lab File ID: 2050317/U1129

% Moisture: not dec. Date Collected: 03/11/05 Time: 1215

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/12/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1700

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RFS

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/7/05 MW

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW61-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL

Lab Sample ID: 20503091020

Level: (low/med)

Lab File ID: 2050317/U1129

% Moisture: not dec.

Date Collected: 03/11/05 Time: 1215

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 03/12/05

Instrument ID: MSV4

Date Analyzed: 03/17/05 Time: 1700

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RFS

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW61-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091020

Sample wt/vol: Units: Lab File ID: 2050317/U1129

Level: (low/med) Date Collected: 03/11/05 Time: 1215

% Moisture: not dec. Date Received: 03/12/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/17/05 Time: 1700

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW61-DUP-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091021

Level: (low/med) Lab File ID: 2050317/U1130

% Moisture: not dec. Date Collected: 03/11/05 Time: 1230

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/12/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1724

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RFS

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/7/05 MM

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW61-DUP-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091021

Level (low/med) Lab File ID: 2050317/U1130

% Moisture: not dec. Date Collected: 03/11/05 Time: 1230

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/12/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1724

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RFS

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW61-DUP-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091021

Sample wt/vol: Units: Lab File ID: 2050317/U1130

Level: (low/med) Date Collected: 03/11/05 Time: 1230

% Moisture: not dec. Date Received: 03/12/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/17/05 Time: 1724

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW62A-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091022

Level: (low/med) Lab File ID: 2050317/U1131

% Moisture: not dec. Date Collected: 03/11/05 Time: 1420

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/12/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1749

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/8/05

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW62A-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091022

Level: (low/med) Lab File ID: 2050317/U1131

% Moisture: not dec. Date Collected: 03/11/05 Time: 1420

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/12/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1749

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW62A-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091022

Sample wt/vol: Units: Lab File ID: 2050317/U1131

Level: (low/med) Date Collected: 03/11/05 Time: 1420

% Moisture: not dec. Date Received: 03/12/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/17/05 Time: 1749

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW60-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091023

Level: (low/med) Lab File ID: 2050317/U1132

% Moisture: not dec. Date Collected: 03/11/05 Time: 1400

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/12/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1813

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/7/05 MRC

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW60-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091023

Level: (low/med) Lab File ID: 2050317/U1132

% Moisture: not dec. Date Collected: 03/11/05 Time: 1400

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/12/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1813

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW60-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091023

Sample wt/vol: Units: Lab File ID: 2050317/U1132

Level: (low/med) Date Collected: 03/11/05 Time: 1400

% Moisture: not dec. Date Received: 03/12/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/17/05 Time: 1813

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW59-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091028

Level: (low/med) Lab File ID: 2050317/U1133

% Moisture: not dec. Date Collected: 03/14/05 Time: 1150

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1837

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/7/05

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SKGW59-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091028

Level: (low/med) Lab File ID: 2050317/U1133

% Moisture: not dec. Date Collected: 03/14/05 Time: 1150

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1837

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW59-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091028

Sample wt/vol: Units: Lab File ID: 2050317/U1133

Level: (low/med) Date Collected: 03/14/05 Time: 1150

% Moisture: not dec. Date Received: 03/15/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/17/05 Time: 1837

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGWEB-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091029

Level: (low/med) Lab File ID: 2050317/U1134

% Moisture: not dec. Date Collected: 03/14/05 Time: 1355

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1901

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	11		0.010	5.0	J
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/7/05 m.m

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGWEB-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503091029

Level: (low/med) Lab File ID: 2050317/U1134

% Moisture: not dec. Date Collected: 03/14/05 Time: 1355

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1901

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGWEB-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: Water Lab Sample ID: 20503091029

Sample wt/vol: Units: Lab File ID: 2050317/U1134

Level: (low/med) Date Collected: 03/14/05 Time: 1355

% Moisture: not dec. Date Received: 03/15/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/17/05 Time: 1837

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW06R1013
Contract:
Lab File ID: 2050330/B7245
Lab Sample ID: 20503091001
Date Collected: 03/07/05 Time: 1340
Date Received: 03/09/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1039
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW06R1013

Contract:

Lab File ID: 2050330/B7245

Lab Sample ID: 20503091001

Date Collected: 03/07/05 Time: 1340

Date Received: 03/09/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1039

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~1.04~~	J	0.010	10.0	U
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0 ~~1.11~~	JB	0.010	10.0	U
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
206-44-0	Fluoranthene	10.0	U	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	

6/7/05 MSR

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW06R1013
Contract:
Lab File ID: 2050330/B7245
Lab Sample ID: 20503091001
Date Collected: 03/07/05 Time: 1340
Date Received: 03/09/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1039
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 288570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: Units:
Level: (low/med)
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW06R1013
Contract:
Lab File ID: 2050330/B7245
Lab Sample ID: 20503091001
Date Collected: 03/07/05 Time: 1340
Date Received: 03/09/05
Date Extracted:
Date Analyzed: 03/30/05 Time: 1039
Dilution Factor: 1 Analyst: JAR3
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	2.512	30.3	
2.	96-76-4	Phenol, 2,4-bis(1,1-dimethylet	3.316	2.34	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW07R1013
Contract:
Lab File ID: 2050330/B7246
Lab Sample ID: 20503091002
Date Collected: 03/07/05 Time: 1435
Date Received: 03/09/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1058
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW07R1013

Contract:

Lab File ID: 2050330/B7246

Lab Sample ID: 20503091002

Date Collected: 03/07/05 Time: 1435

Date Received: 03/09/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1058

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~3.46~~	J	0.010	10.0	u
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0 ~~1.47~~	JB	0.010	10.0	u
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
206-44-0	Fluoranthene	10.0	U	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	

FORM I SV-1

6/7/05 MSU

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW07R1013

Contract:

Lab File ID: 2050330/B7246

Lab Sample ID: 20503091002

Date Collected: 03/07/05 Time: 1435

Date Received: 03/09/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1058

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 288570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM 1 SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW07R1013

Contract:

Lab File ID: 2050330/B7246

Lab Sample ID: 20503091002

Date Collected: 03/07/05 Time: 1435

Date Received: 03/09/05

Date Extracted:

Date Analyzed: 03/30/05 Time: 1058

Dilution Factor: 1 Analyst: JAR3

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	2.538	81.7	
2.	96-76-4	Phenol, 2,4-bis(1,1-dimethylet	3.315	3.91	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW58-1013
Contract:
Lab File ID: 2050330/B7247
Lab Sample ID: 20503091007
Date Collected: 03/09/05 Time: 1055
Date Received: 03/10/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1116
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW58-1013

Contract:

Lab File ID: 2050330/B7247

Lab Sample ID: 20503091007

Date Collected: 03/09/05 Time: 1055

Date Received: 03/10/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1116

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~2.51~~	J	0.010	10.0	u
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0 ~~1.40~~	JB	0.010	10.0	u
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
206-44-0	Fluoranthene	10.0	U	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	

FORM I SV-1

6/7/05 MCL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW58-1013
Contract:
Lab File ID: 2050330/B7247
Lab Sample ID: 20503091007
Date Collected: 03/09/05 Time: 1055
Date Received: 03/10/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1116
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 288570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW58-1013

Contract:

Lab File ID: 2050330/B7247

Lab Sample ID: 20503091007

Date Collected: 03/09/05 Time: 1055

Date Received: 03/10/05

Date Extracted:

Date Analyzed: 03/30/05 Time: 1116

Dilution Factor: 1 Analyst: JAR3

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	2.521	40.8	
2.	96-76-4	Phenol, 2,4-bis(1,1-dimethylet	3.315	4.16	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW64-1013
Contract:
Lab File ID: 2050330/B7250
Lab Sample ID: 20503091013
Date Collected: 03/10/05 Time: 1045
Date Received: 03/11/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1213
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 288570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW64-1013

Contract:

Lab File ID: 2050330/B7250

Lab Sample ID: 20503091013

Date Collected: 03/10/05 Time: 1045

Date Received: 03/11/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1213

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~10.0~~ 4.06	J	0.010	10.0	u
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	~~10.0~~ 1.03	JB	0.010	10.0	u
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
206-44-0	Fluoranthene	10.0	U	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	

6/7/05 MSV

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW64-1013
Contract:
Lab File ID: 2050330/B7250
Lab Sample ID: 20503091013
Date Collected: 03/10/05 Time: 1045
Date Received: 03/11/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1213
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: Units:
Level: (low/med)
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW64-1013
Contract:
Lab File ID: 2050330/B7250
Lab Sample ID: 20503091013
Date Collected: 03/10/05 Time: 1045
Date Received: 03/11/05
Date Extracted:
Date Analyzed: 03/30/05 Time: 1213
Dilution Factor: 1 Analyst: JAR3
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	2.498	14.4	
2.	96-76-4	Phenol, 2,4-bis(1,1-dimethylet	3.315	3.67	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW63-1013
Contract:
Lab File ID: 2050330/B7251
Lab Sample ID: 20503091014
Date Collected: 03/10/05 Time: 1345
Date Received: 03/11/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1232
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW63-1013

Contract:

Lab File ID: 2050330/B7251

Lab Sample ID: 20503091014

Date Collected: 03/10/05 Time: 1345

Date Received: 03/11/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1232

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~3.79~~	J	0.010	10.0	U
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	
85-68-7	Butylbenzylphthalate	0.771	J	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0 ~~0.861~~	JB	0.010	10.0	U
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
206-44-0	Fluoranthene	10.0	U	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	

6/7/05 MG

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW63-1013

Contract:

Lab File ID: 2050330B7251

Lab Sample ID: 20503091014

Date Collected: 03/10/05 Time: 1345

Date Received: 03/11/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1232

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 288570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW63-1013

Contract:

Lab File ID: 2050330/B7251

Lab Sample ID: 20503091014

Date Collected: 03/10/05 Time: 1345

Date Received: 03/11/05

Date Extracted:

Date Analyzed: 03/30/05 Time: 1232

Dilution Factor: 1 Analyst: JAR3

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	2.544	102	
2.	96-76-4	Phenol, 2,4-bis(1,1-dimethylet	3.316	2.81	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 980 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: 25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW61-1013
Contract:
Lab File ID: 2050330/B7252
Lab Sample ID: 20503091020
Date Collected: 03/11/05 Time: 1215
Date Received: 03/12/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1251
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.4	U	0.010	10.4
88-06-2	2,4,6-Trichlorophenol	10.4	U	0.010	10.4
120-83-2	2,4-Dichlorophenol	10.4	U	0.010	10.4
51-28-5	2,4-Dinitrophenol	26.0	U	0.010	26.0
121-14-2	2,4-Dinitrotoluene	10.4	U	0.010	10.4
606-20-2	2,6-Dinitrotoluene	10.4	U	0.010	10.4
91-58-7	2-Chloronaphthalene	10.4	U	0.010	10.4
95-57-8	2-Chlorophenol	10.4	U	0.010	10.4
91-57-6	2-Methylnaphthalene	10.4	U	0.010	10.4
88-74-4	2-Nitroaniline	26.0	U	0.010	26.0
88-75-5	2-Nitrophenol	10.4	U	0.010	10.4
91-94-1	3,3'-Dichlorobenzidine	10.4	U	0.010	10.4
99-09-2	3-Nitroaniline	26.0	U	0.010	26.0
534-52-1	2-Methyl-4,6-dinitrophenol	26.0	U	0.010	26.0
59-50-7	4-Chloro-3-methylphenol	10.4	U	0.010	10.4
106-47-8	4-Chloroaniline	10.4	U	0.010	10.4
7005-72-3	4-Chlorophenyl-phenylether	10.4	U	0.010	10.4
106-44-5	4-Methylphenol (p-Cresol)	10.4	U	0.010	10.4
83-32-9	Acenaphthene	10.4	U	0.010	10.4
208-96-8	Acenaphthylene	10.4	U	0.010	10.4
120-12-7	Anthracene	10.4	U	0.010	10.4
56-55-3	Benzo(a)anthracene	10.4	U	0.010	10.4
50-32-8	Benzo(a)pyrene	10.4	U	0.010	10.4
205-99-2	Benzo(b)fluoranthene	10.4	U	0.010	10.4
191-24-2	Benzo(g,h,i)perylene	10.4	U	0.010	10.4
207-08-9	Benzo(k)fluoranthene	10.4	U	0.010	10.4
111-91-1	Bis(2-Chloroethoxy)methane	10.4	U	0.010	10.4
111-44-4	Bis(2-Chloroethyl)ether	10.4	U	0.010	10.4
108-60-1	bis(2-Chloroisopropyl)ether	10.4	U	0.010	10.4

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 960 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW61-1013

Contract:

Lab File ID: 2050330/B7252

Lab Sample ID: 20503091020

Date Collected: 03/11/05 Time: 1215

Date Received: 03/12/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1251

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.4 ~~4.19~~	J	0.010	10.4
101-55-3	4-Bromophenyl-phenylether	10.4	U	0.010	10.4
85-68-7	Butylbenzylphthalate	10.4	U	0.010	10.4
86-74-8	Carbazole	10.4	U	0.010	10.4
218-01-9	Chrysene	10.4	U	0.010	10.4
84-74-2	Di-n-butylphthalate	10.4	U	0.010	10.4
117-84-0	Di-n-octylphthalate	10.4	U	0.010	10.4
53-70-3	Dibenz(a,h)anthracene	10.4	U	0.010	10.4
132-64-9	Dibenzofuran	10.4	U	0.010	10.4
84-66-2	Diethylphthalate	10.4	U	0.010	10.4
131-11-3	Dimethyl-phthalate	10.4	U	0.010	10.4
105-67-9	2,4-Dimethylphenol	10.4	U	0.010	10.4
206-44-0	Fluoranthene	10.4	U	0.010	10.4
86-73-7	Fluorene	10.4	U	0.010	10.4
118-74-1	Hexachlorobenzene	10.4	U	0.010	10.4
87-68-3	Hexachlorobutadiene	10.4	U	0.010	10.4
77-47-4	Hexachlorocyclopentadiene	10.4	U	0.010	10.4
67-72-1	Hexachloroethane	10.4	U	0.010	10.4
193-39-5	Indeno(1,2,3-cd)pyrene	10.4	U	0.010	10.4
78-59-1	Isophorone	10.4	U	0.010	10.4
91-20-3	Naphthalene	10.4	U	0.010	10.4
100-01-6	4-Nitroaniline	26.0	U	0.010	26.0
98-95-3	Nitrobenzene	10.4	U	0.010	10.4
100-02-7	4-Nitrophenol	26.0	U	0.010	26.0
87-86-5	Pentachlorophenol	26.0	U	0.010	26.0
85-01-8	Phenanthrene	10.4	U	0.010	10.4
108-95-2	Phenol	10.4	U	0.010	10.4
129-00-0	Pyrene	10.4	U	0.010	10.4
621-64-7	N-Nitroso-di-n-propylamine	10.4	U	0.010	10.4

6/7/05 MR

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 980 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW61-1013

Contract:

Lab File ID: 2050330/B7252

Lab Sample ID: 20503091020

Date Collected: 03/11/05 Time: 1215

Date Received: 03/12/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1251

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.4	U	0.010	10.4
95-48-7	o-Cresol	10.4	U	0.010	10.4

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW61-1013

Contract:

Lab File ID: 2050330/B7252

Lab Sample ID: 20503091020

Date Collected: 03/11/05 Time: 1215

Date Received: 03/12/05

Date Extracted:

Date Analyzed: 03/30/05 Time: 1251

Dilution Factor: 1 Analyst: JAR3

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	2.498	10.5	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW61-DUP-1013
Contract:
Lab File ID: 2050330/B7253
Lab Sample ID: 20503091021
Date Collected: 03/11/05 Time: 1230
Date Received: 03/12/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1311
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 288570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol	10.0	J	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW61-DUP-1013

Contract:

Lab File ID: 2050330/B7253

Lab Sample ID: 20503091021

Date Collected: 03/11/05 Time: 1230

Date Received: 03/12/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1311

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~25.86~~	J	0.010	10.0	4
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0 ~~0.816~~	JB	0.010	10.0	4
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
206-44-0	Fluoranthene	10.0	U	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	

4/7/05 MAL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW61-DUP-1013

Contract:

Lab File ID: 2050330/B7253

Lab Sample ID: 20503091021

Date Collected: 03/11/05 Time: 1230

Date Received: 03/12/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1311

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM 1 SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW61-DUP-1013

Contract:

Lab File ID: 2050330/B7253

Lab Sample ID: 20503091021

Date Collected: 03/11/05 Time: 1230

Date Received: 03/12/05

Date Extracted:

Date Analyzed: 03/30/05 Time: 1311

Dilution Factor: 1 Analyst: JAR3

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	2.504	20.8	
2.	96-76-4	Phenol, 2,4-bis(1,1-dimethylet	3.316	2.22	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 880 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH

Sample ID: SKGW62A-1013
Contract:
Lab File ID: 2050330/B7254
Lab Sample ID: 20503091022
Date Collected: 03/11/05 Time: 1420
Date Received: 03/12/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1329
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	11.6	U	0.012	11.6
88-06-2	2,4,6-Trichlorophenol	11.6	U	0.012	11.6
120-83-2	2,4-Dichlorophenol	11.6	U	0.012	11.6
51-28-5	2,4-Dinitrophenol	29.1	U	0.012	29.1
121-14-2	2,4-Dinitrotoluene	11.6	U	0.012	11.6
606-20-2	2,6-Dinitrotoluene	11.6	U	0.012	11.6
91-58-7	2-Chloronaphthalene	11.6	U	0.012	11.6
95-57-8	2-Chlorophenol	11.6	U	0.012	11.6
91-57-6	2-Methylnaphthalene	11.6	U	0.012	11.6
88-74-4	2-Nitroaniline	29.1	U	0.012	29.1
88-75-5	2-Nitrophenol	11.6	U	0.012	11.6
91-94-1	3,3'-Dichlorobenzidine	11.6	U	0.012	11.6
99-09-2	3-Nitroaniline	29.1	U	0.012	29.1
534-52-1	2-Methyl-4,6-dinitrophenol	29.1	U	0.012	29.1
59-50-7	4-Chloro-3-methylphenol	11.6	U	0.012	11.6
106-47-8	4-Chloroaniline	11.6	U	0.012	11.6
7005-72-3	4-Chlorophenyl-phenylether	11.6	U	0.012	11.6
106-44-5	4-Methylphenol (p-Cresol)	11.6	U	0.012	11.6
83-32-9	Acenaphthene	11.6	U	0.012	11.6
208-96-8	Acenaphthylene	11.6	U	0.012	11.6
120-12-7	Anthracene	11.6	U	0.012	11.6
56-55-3	Benzo(a)anthracene	11.6	U	0.012	11.6
50-32-8	Benzo(a)pyrene	11.6	U	0.012	11.6
205-99-2	Benzo(b)fluoranthene	11.6	U	0.012	11.6
191-24-2	Benzo(g,h,i)perylene	11.6	U	0.012	11.6
207-08-9	Benzo(k)fluoranthene	11.6	U	0.012	11.6
111-91-1	Bis(2-Chloroethoxy)methane	11.6	U	0.012	11.6
111-44-4	Bis(2-Chloroethyl)ether	11.6	U	0.012	11.6
108-60-1	bis(2-Chloroisopropyl)ether	11.6	U	0.012	11.6

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 860 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW62A-1013

Contract:

Lab File ID: 2050330/B7254

Lab Sample ID: 20503091022

Date Collected: 03/11/05 Time: 1420

Date Received: 03/12/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1329

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	11.6 ~~2.54~~	J	0.012	11.6	u
101-55-3	4-Bromophenyl-phenylether	11.6	U	0.012	11.6	
85-68-7	Butylbenzylphthalate	11.6	U	0.012	11.6	
86-74-8	Carbazole	11.6	U	0.012	11.6	
218-01-9	Chrysene	11.6	U	0.012	11.6	
84-74-2	Di-n-butylphthalate	11.6 ~~0.765~~	JB	0.012	11.6	u
117-84-0	Di-n-octylphthalate	11.6	U	0.012	11.6	
53-70-3	Dibenz(a,h)anthracene	11.6	U	0.012	11.6	
132-64-9	Dibenzofuran	11.6	U	0.012	11.6	
84-66-2	Diethylphthalate	11.6	U	0.012	11.6	
131-11-3	Dimethyl-phthalate	11.6	U	0.012	11.6	
105-67-9	2,4-Dimethylphenol	11.6	U	0.012	11.6	
206-44-0	Fluoranthene	11.6	U	0.012	11.6	
86-73-7	Fluorene	11.6	U	0.012	11.6	
118-74-1	Hexachlorobenzene	11.6	U	0.012	11.6	
87-68-3	Hexachlorobutadiene	11.6	U	0.012	11.6	
77-47-4	Hexachlorocyclopentadiene	11.6	U	0.012	11.6	
67-72-1	Hexachloroethane	11.6	U	0.012	11.6	
193-39-5	Indeno(1,2,3-cd)pyrene	11.6	U	0.012	11.6	
78-59-1	Isophorone	11.6	U	0.012	11.6	
91-20-3	Naphthalene	11.6	U	0.012	11.6	
100-01-6	4-Nitroaniline	29.1	U	0.012	29.1	
98-95-3	Nitrobenzene	11.6	U	0.012	11.6	
100-02-7	4-Nitrophenol	29.1	U	0.012	29.1	
87-86-5	Pentachlorophenol	29.1	U	0.012	29.1	
85-01-8	Phenanthrene	11.6	U	0.012	11.6	
108-95-2	Phenol	11.6	U	0.012	11.6	
129-00-0	Pyrene	11.6	U	0.012	11.6	
621-64-7	N-Nitroso-di-n-propylamine	11.6	U	0.012	11.6	

FORM I SV-1

6/7/05 MSL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 880 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW62A-1013
Contract:
Lab File ID: 2050330/B7254
Lab Sample ID: 20503091022
Date Collected: 03/11/05 Time: 1420
Date Received: 03/12/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1329
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	[illegible]6	U	0.012	11.6
95-48-7	o-Cresol	[illegible]6	U	0.012	11.6

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: Units:
Level: (low/med)
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW62A-1013
Contract:
Lab File ID: 2050330/B7254
Lab Sample ID: 20503091022
Date Collected: 03/11/05 Time: 1420
Date Received: 03/12/05
Date Extracted:
Date Analyzed: 03/30/05 Time: 1329
Dilution Factor: 1 Analyst: JAR3
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	5.285	55.4	
2.		Unknown	10.19	279	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 880 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW60-1013
Contract:
Lab File ID: 2050330/B7255
Lab Sample ID: 20503091023
Date Collected: 03/11/05 Time: 1400
Date Received: 03/12/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1349
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	11.6	U	0.012	11.6
88-06-2	2,4,6-Trichlorophenol	11.6	U	0.012	11.6
120-83-2	2,4-Dichlorophenol	11.6	U	0.012	11.6
51-28-5	2,4-Dinitrophenol	29.1	U	0.012	29.1
121-14-2	2,4-Dinitrotoluene	11.6	U	0.012	11.6
606-20-2	2,6-Dinitrotoluene	11.6	U	0.012	11.6
91-58-7	2-Chloronaphthalene	11.6	U	0.012	11.6
95-57-8	2-Chlorophenol	11.6	U	0.012	11.6
91-57-6	2-Methylnaphthalene	11.6	U	0.012	11.6
88-74-4	2-Nitroaniline	29.1	U	0.012	29.1
88-75-5	2-Nitrophenol	11.6	U	0.012	11.6
91-94-1	3,3'-Dichlorobenzidine	11.6	U	0.012	11.6
99-09-2	3-Nitroaniline	29.1	U	0.012	29.1
534-52-1	2-Methyl-4,6-dinitrophenol	29.1	U	0.012	29.1
59-50-7	4-Chloro-3-methylphenol	11.6	U	0.012	11.6
106-47-8	4-Chloroaniline	11.6	U	0.012	11.6
7005-72-3	4-Chlorophenyl-phenylether	11.6	U	0.012	11.6
106-44-5	4-Methylphenol (p-Cresol)	11.6	U	0.012	11.6
83-32-9	Acenaphthene	11.6	U	0.012	11.6
208-96-8	Acenaphthylene	11.6	U	0.012	11.6
120-12-7	Anthracene	11.6	U	0.012	11.6
56-55-3	Benzo(a)anthracene	11.6	U	0.012	11.6
50-32-8	Benzo(a)pyrene	11.6	U	0.012	11.6
205-99-2	Benzo(b)fluoranthene	11.6	U	0.012	11.6
191-24-2	Benzo(g,h,i)perylene	11.6	U	0.012	11.6
207-08-9	Benzo(k)fluoranthene	11.6	U	0.012	11.6
111-91-1	Bis(2-Chloroethoxy)methane	11.6	U	0.012	11.6
111-44-4	Bis(2-Chloroethyl)ether	11.6	U	0.012	11.6
108-60-1	bis(2-Chloroisopropyl)ether	11.6	U	0.012	11.6

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 860 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW60-1013

Contract:

Lab File ID: 2050330/B7255

Lab Sample ID: 20503091023

Date Collected: 03/11/05 Time: 1400

Date Received: 03/12/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1349

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	11.6 ~~1.58~~	J	0.012	11.6
101-55-3	4-Bromophenyl-phenylether	11.6	U	0.012	11.6
85-68-7	Butylbenzylphthalate	11.6	U	0.012	11.6
86-74-8	Carbazole	11.6	U	0.012	11.6
218-01-9	Chrysene	11.6	U	0.012	11.6
84-74-2	Di-n-butylphthalate	11.6	U	0.012	11.6
117-84-0	Di-n-octylphthalate	11.6	U	0.012	11.6
53-70-3	Dibenz(a,h)anthracene	11.6	U	0.012	11.6
132-64-9	Dibenzofuran	11.6	U	0.012	11.6
84-66-2	Diethylphthalate	11.6	U	0.012	11.6
131-11-3	Dimethyl-phthalate	11.6	U	0.012	11.6
105-67-9	2,4-Dimethylphenol	11.6	U	0.012	11.6
206-44-0	Fluoranthene	11.6	U	0.012	11.6
86-73-7	Fluorene	11.6	U	0.012	11.6
118-74-1	Hexachlorobenzene	11.6	U	0.012	11.6
87-68-3	Hexachlorobutadiene	11.6	U	0.012	11.6
77-47-4	Hexachlorocyclopentadiene	11.6	U	0.012	11.6
67-72-1	Hexachloroethane	11.6	U	0.012	11.6
193-39-5	Indeno(1,2,3-cd)pyrene	11.6	U	0.012	11.6
78-59-1	Isophorone	11.6	U	0.012	11.6
91-20-3	Naphthalene	11.6	U	0.012	11.6
100-01-6	4-Nitroaniline	29.1	U	0.012	29.1
98-95-3	Nitrobenzene	11.6	U	0.012	11.6
100-02-7	4-Nitrophenol	29.1	U	0.012	29.1
87-86-5	Pentachlorophenol	29.1	U	0.012	29.1
85-01-8	Phenanthrene	11.6	U	0.012	11.6
108-95-2	Phenol	11.6	U	0.012	11.6
129-00-0	Pyrene	11.6	U	0.012	11.6
621-64-7	N-Nitroso-di-n-propylamine	11.6	U	0.012	11.6

6/7/05 MR

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 880 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW60-1013
Contract:
Lab File ID: 2050330/B7255
Lab Sample ID: 20503091023
Date Collected: 03/11/05 Time: 1400
Date Received: 03/12/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1349
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 288570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	11.6	U	0.012	11.6
95-48-7	o-Cresol	11.6	U	0.012	11.6

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: Units:
Level: (low/med)
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW60-1013
Contract:
Lab File ID: 2050330/B7255
Lab Sample ID: 20503091023
Date Collected: 03/11/05 Time: 1400
Date Received: 03/12/05
Date Extracted:
Date Analyzed: 03/30/05 Time: 1349
Dilution Factor: 1 Analyst: JAR3
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	2.487	2.76	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 20503091 0

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW59-1013

Contract:

Lab File ID: 2050330/B7257

Lab Sample ID: 20503091028

Date Collected: 03/14/05 Time: 1150

Date Received: 03/15/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1427

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW59-1013

Contract:

Lab File ID: 2050330/B7257

Lab Sample ID: 20503091028

Date Collected: 03/14/05 Time: 1150

Date Received: 03/15/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1427

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10. ~~0.154~~	JB	0.010	10.0 U
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

4/7/05 mr

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW59-1013
Contract:
Lab File ID: 2050330/B7257
Lab Sample ID: 20503091028
Date Collected: 03/14/05 Time: 1150
Date Received: 03/15/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1427
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SVOA

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGW59-1013

Contract:

Lab File ID: 2050330/B7257

Lab Sample ID: 20503091028

Date Collected: 03/14/05 Time: 1150

Date Received: 03/15/05

Date Extracted:

Date Analyzed: 03/30/05 Time: 1427

Dilution Factor: 1 Analyst: JAR3

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 3

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-02-6	Cyclopentasiloxane, decamethyl	1.922	2.6	
2.	462-95-3	Methane, diethoxy-	2.004	1.35	
3.	1638-16-0	2-Propanol, 1,1'-[(1-methyl-1,	2.024	1.93	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGWEB-1013
Contract:
Lab File ID: 2050330/B7258
Lab Sample ID: 20503091029
Date Collected: 03/14/05 Time: 1355
Date Received: 03/15/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1446
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKGWEB-1013

Contract:

Lab File ID: 2050330/B7258

Lab Sample ID: 20503091029

Date Collected: 03/14/05 Time: 1355

Date Received: 03/15/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1446

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	~~10.0~~ 20	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

6/7/05 MM

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGWEB-1013
Contract:
Lab File ID: 2050330/B7258
Lab Sample ID: 20503091029
Date Collected: 03/14/05 Time: 1355
Date Received: 03/15/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1446
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: Units:
Level: (low/med)
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKGWEB-1013
Contract:
Lab File ID: 2050330/B7258
Lab Sample ID: 20503091029
Date Collected: 03/14/05 Time: 1355
Date Received: 03/15/05
Date Extracted:
Date Analyzed: 03/30/05 Time: 1446
Dilution Factor: 1 Analyst: JAR3
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-02-6	Cyclopentasiloxane, decamethyl	1.922	4.7	
2.		Unknown	2.001	2.53	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW58MS-1013
Contract:
Lab File ID: 2050330/B7248
Lab Sample ID: 20503091008
Date Collected: 03/09/05 Time: 1320
Date Received: 03/10/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1135
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	42.4		0.010	10.0
606-20-2	2,6-Dinitrotoluene	49.3		0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	78.7		0.010	10.0
91-57-6	2-Methylnaphthalene	20.9		0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	66.2		0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	45.1		0.010	10.0
208-96-8	Acenaphthylene	12.7		0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW58MS-1013

Contract:

Lab File ID: 2050330/B7248

Lab Sample ID: 20503091008

Date Collected: 03/09/05 Time: 1320

Date Received: 03/10/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1135

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	2.87	J	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	1.03	J	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	59.5		0.010	25.0
87-86-5	Pentachlorophenol	63.4		0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	67.1		0.010	10.0
129-00-0	Pyrene	34.2		0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	42.8		0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW58MS-1013
Contract:
Lab File ID: 2050330/B7248
Lab Sample ID: 20503091008
Date Collected: 03/09/05 Time: 1320
Date Received: 03/10/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1135
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 288570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW50MS-1013
Contract:
Lab File ID: 2050330/B7263
Lab Sample ID: 20503151310
Date Collected: 03/15/05 Time: 1420
Date Received: 03/17/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1621
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	43.4		0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	74.8		0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	71.6		0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	44.8		0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: 25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW50MS-1013
Contract:
Lab File ID: 2050330/B7263
Lab Sample ID: 20503151310
Date Collected: 03/15/05 Time: 1420
Date Received: 03/17/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1621
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	65.4		0.010	25.0
87-86-5	Pentachlorophenol	74.1		0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	64.8		0.010	10.0
129-00-0	Pyrene	44.1		0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	41.3		0.010	10.0

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW50MS-1013

Contract:

Lab File ID: 2050330/B7263

Lab Sample ID: 20503151310

Date Collected: 03/15/05 Time: 1420

Date Received: 03/17/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1621

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW58MSD-1013
Contract:
Lab File ID: 2050330/B7249
Lab Sample ID: 20503091011
Date Collected: 03/09/05 Time: 1355
Date Received: 03/11/05
Date Extracted: 03/14/05
Date Analyzed: 03/30/05 Time: 1154
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288747 Analytical Batch: 288570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	42.3		0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	78.7		0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	62.3		0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	43.0		0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKGW58MSD-1013

Contract:

Lab File ID: 2050330/B7249

Lab Sample ID: 20503091011

Date Collected: 03/09/05 Time: 1355

Date Received: 03/11/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1154

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	2.88	J	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	57.6		0.010	25.0
87-86-5	Pentachlorophenol	58.5		0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	65.2		0.010	10.0
129-00-0	Pyrene	26.3		0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	42.5		0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *ug/L*

Sample ID: SKGW58MSD-1013

Contract:

Lab File ID: 2050330/B7249

Lab Sample ID: 20503091011

Date Collected: 03/09/05 Time: 1355

Date Received: 03/11/05

Date Extracted: 03/14/05

Date Analyzed: 03/30/05 Time: 1154

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288747 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW50MSD-1013

Contract:

Lab File ID: 2050330/B7264

Lab Sample ID: 20503151311

Date Collected: 03/15/05 Time: 1500

Date Received: 03/17/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1641

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	39.9		0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	70.0		0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	66.5		0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	40.9		0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205030910
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW50MSD-1013
Contract:
Lab File ID: 2050330/B7264
Lab Sample ID: 20503151311
Date Collected: 03/15/05 Time: 1500
Date Received: 03/17/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1641
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 288570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	1.21	J	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	60.1		0.010	25.0
87-86-5	Pentachlorophenol	64.3		0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	62.5		0.010	10.0
129-00-0	Pyrene	43.7		0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	39.2		0.010	10.0

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205030910

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW50MSD-1013

Contract:

Lab File ID: 2050330/B7264

Lab Sample ID: 20503151311

Date Collected: 03/15/05 Time: 1500

Date Received: 03/17/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1641

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW06R1013
Contract:
SAS No.: SDG No.: 205030910
Lab Sample ID: 20503091001
Date Collected: 03/07/05 Time: 1340
Date Received: 03/09/05
Date Extracted: 03/13/05
Date Analyzed: 03/29/05 Time: 1447
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A
Lab File ID: 2050329/SV8005

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW07R1013
Contract:
SAS No.: SDG No.: 205030910
Lab Sample ID: 20503091002
Date Collected: 03/07/05 Time: 1435
Date Received: 03/09/05
Date Extracted: 03/13/05
Date Analyzed: 03/29/05 Time: 1509
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

CONCENTRATION UNITS: ug/L
Lab File ID: 2050329/SV8006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW58-1013
Contract:
SAS No.: SDG No.: 205030910
Lab Sample ID: 20503091007
Date Collected: 03/09/05 Time: 1055
Date Received: 03/10/05
Date Extracted: 03/13/05
Date Analyzed: 03/29/05 Time: 1531
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050329/SV8007

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW64-1013
Contract:
SAS No.: SDG No.: 205030910
Lab Sample ID: 20503091013
Date Collected: 03/10/05 Time: 1045
Date Received: 03/11/05
Date Extracted: 03/13/05
Date Analyzed: 03/29/05 Time: 1706
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A
Lab File ID: 2050329/SV8010

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-XLB-30M ID: .32 (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW63-1013

Contract:

SAS No.: SDG No.: 205030910

Lab Sample ID: 20503091014

Date Collected: 03/10/05 Time: 1345

Date Received: 03/11/05

Date Extracted: 03/13/05

Date Analyzed: 03/29/05 Time: 1728

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

Lab File ID: 2050329/SV8011

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Allquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW61-1013
Contract:
SAS No.: SDG No.: 205030910
Lab Sample ID: 20503091020
Date Collected: 03/11/05 Time: 1215
Date Received: 03/12/05
Date Extracted: 03/13/05
Date Analyzed: 03/29/05 Time: 1750
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

CONCENTRATION UNITS: ug/L
Lab File ID: 2050329/SV8012

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW61-DUP-1013
Contract:
SAS No.: SDG No.: 205030910
Lab Sample ID: 20503091021
Date Collected: 03/11/05 Time: 1230
Date Received: 03/12/05
Date Extracted: 03/13/05
Date Analyzed: 03/29/05 Time: 1918
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A
Lab File ID: 2050329/SV8016

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 690 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW62A-1013
Contract:
SAS No.: SDG No.: 205030910
Lab Sample ID: 20503091022
Date Collected: 03/11/05 Time: 1420
Date Received: 03/12/05
Date Extracted: 03/13/05
Date Analyzed: 03/29/05 Time: 1940
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A
Lab File ID: 2050329/SV8017

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.145	U	0.00014	0.145
72-55-9	4,4'-DDE	0.145	U	0.00014	0.145
50-29-3	4,4'-DDT	0.145	U	0.00014	0.145
309-00-2	Aldrin	0.072	U	0.00014	0.072
12674-11-2	Aroclor-1016	1.45	U	0.00014	1.45
11104-28-2	Aroclor-1221	2.90	U	0.00014	2.90
11141-16-5	Aroclor-1232	1.45	U	0.00014	1.45
53469-21-9	Aroclor-1242	1.45	U	0.00014	1.45
12672-29-6	Aroclor-1248	1.45	U	0.00014	1.45
11097-69-1	Aroclor-1254	1.45	U	0.00014	1.45
11096-82-5	Aroclor-1260	1.45	U	0.00014	1.45
60-57-1	Dieldrin	0.145	U	0.00014	0.145
959-98-8	Endosulfan I	0.072	U	0.00014	0.072
33213-65-9	Endosulfan II	0.145	U	0.00014	0.145
1031-07-8	Endosulfan sulfate	0.145	U	0.00014	0.145
72-20-8	Endrin	0.145	U	0.00014	0.145
7421-93-4	Endrin aldehyde	0.145	U	0.00014	0.145
53494-70-5	Endrin ketone	0.145	U	0.00014	0.145
76-44-8	Heptachlor	0.072	U	0.00014	0.072
1024-57-3	Heptachlor epoxide	0.072	U	0.00014	0.072
72-43-5	Methoxychlor	0.725	U	0.00014	0.725
8001-35-2	Toxaphene	7.25	U	0.00014	7.25
319-84-6	alpha-BHC	0.072	U	0.00014	0.072
5103-71-9	alpha-Chlordane	0.072	U	0.00014	0.072
319-85-7	beta-BHC	0.072	U	0.00014	0.072
319-86-8	delta-BHC	0.072	U	0.00014	0.072
58-89-9	gamma-BHC (Lindane)	0.072	U	0.00014	0.072
5103-74-2	gamma-Chlordane	0.072	U	0.00014	0.072

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 600 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-XLB-30M ID: .32 (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW60-1013

Contract:

SAS No.: SDG No.: 205030910

Lab Sample ID: 20503091023

Date Collected: 03/11/05 Time: 1400

Date Received: 03/12/05

Date Extracted: 03/13/05

Date Analyzed: 03/29/05 Time: 2002

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

Lab File ID: 2050329/SV8018

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.167	U	0.00017	0.167
72-55-9	4,4'-DDE	0.167	U	0.00017	0.167
50-29-3	4,4'-DDT	0.167	U	0.00017	0.167
309-00-2	Aldrin	0.083	U	0.00017	0.083
12674-11-2	Aroclor-1016	1.67	U	0.00017	1.67
11104-28-2	Aroclor-1221	3.33	U	0.00017	3.33
11141-16-5	Aroclor-1232	1.67	U	0.00017	1.67
53469-21-9	Aroclor-1242	1.67	U	0.00017	1.67
12672-29-6	Aroclor-1248	1.67	U	0.00017	1.67
11097-69-1	Aroclor-1254	1.67	U	0.00017	1.67
11096-82-5	Aroclor-1260	1.67	U	0.00017	1.67
60-57-1	Dieldrin	0.167	U	0.00017	0.167
959-98-8	Endosulfan I	0.083	U	0.00017	0.083
33213-65-9	Endosulfan II	0.167	U	0.00017	0.167
1031-07-8	Endosulfan sulfate	0.167	U	0.00017	0.167
72-20-8	Endrin	0.167	U	0.00017	0.167
7421-93-4	Endrin aldehyde	0.167	U	0.00017	0.167
53494-70-5	Endrin ketone	0.167	U	0.00017	0.167
76-44-8	Heptachlor	0.083	U	0.00017	0.083
1024-57-3	Heptachlor epoxide	0.083	U	0.00017	0.083
72-43-5	Methoxychlor	0.833	U	0.00017	0.833
8001-35-2	Toxaphene	8.33	U	0.00017	8.33
319-84-6	alpha-BHC	0.083	U	0.00017	0.083
5103-71-9	alpha-Chlordane	0.083	U	0.00017	0.083
319-85-7	beta-BHC	0.083	U	0.00017	0.083
319-86-8	delta-BHC	0.083	U	0.00017	0.083
58-89-9	gamma-BHC (Lindane)	0.083	U	0.00017	0.083
5103-74-2	gamma-Chlordane	0.083	U	0.00017	0.083

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288958 Analytical Batch: 289610

Sample ID: SKGW59-1013
Contract:
SAS No.: SDG No.: 205030910
Lab Sample ID: 20503091028
Date Collected: 03/14/05 Time: 1150
Date Received: 03/15/05
Date Extracted: 03/17/05
Date Analyzed: 03/29/05 Time: 2046
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A
Lab File ID: 2050329/SV8020

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-XLB-30M ID: .32 (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 288958 Analytical Batch: 289610

CONCENTRATION UNITS: ug/L

Sample ID: SKGWEB-1013

Contract:

SAS No.: SDG No.: 205030910

Lab Sample ID: 20503091029

Date Collected: 03/14/05 Time: 1355

Date Received: 03/15/05

Date Extracted: 03/17/05

Date Analyzed: 03/29/05 Time: 2108

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

Lab File ID: 2050329/SV8021

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW58MS-1013
Contract:
SAS No.: SDG No.: 205030910
Lab Sample ID: 20503091008
Date Collected: 03/09/05 Time: 1320
Date Received: 03/10/05
Date Extracted: 03/13/05
Date Analyzed: 03/29/05 Time: 1553
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A
Lab File ID: 2050329/SV8008

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.043	J	0.00010	0.100
72-55-9	4,4'-DDE	0.139		0.00010	0.100
50-29-3	4,4'-DDT	0.697		0.00010	0.100
309-00-2	Aldrin	0.367		0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.553		0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.771		0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.029	J	0.00010	0.100
76-44-8	Heptachlor	0.335		0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.290		0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288746 Analytical Batch: 289610

Sample ID: SKGW58MSD-1013
Contract:
SAS No.: SDG No.: 205030910
Lab Sample ID: 20503091011
Date Collected: 03/09/05 Time: 1355
Date Received: 03/11/05
Date Extracted: 03/13/05
Date Analyzed: 03/29/05 Time: 1644
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050329/SV8009

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.036	J	0.00010	0.100
72-55-9	4,4'-DDE	0.149		0.00010	0.100
50-29-3	4,4'-DDT	0.675		0.00010	0.100
309-00-2	Aldrin	0.347		0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.539		0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.759		0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.025	J	0.00010	0.100
76-44-8	Heptachlor	0.321		0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.293		0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 04/01/2005

GCAL Report 205030910

Deliver To	Earth Tech 2373 Progress St Hebron, KY 41048 859-442-2300
Attn	Pat Higgins

Customer Earth Tech

Project Skinner Landfill

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 • Phone 225.769.4900 • Fax 225.767.5717

RESUBMITTED

CASE NARRATIVE

Client: Earth Tech **Report:** 205030910

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

This report is being resubmitted on 06/17/05.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 - CLP Semi-Volatiles analysis, samples 20503091011 (SKGW58MSD-1013) and 20503091022 (SKGW62A-1013) had one surrogate recovery outside control limits in the base-neutral fraction. All other surrogate recoveries were acceptable for these samples.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis, samples 20503091001 (SKGW06R1013) and 20503091013 (SKGW64-1013), Decachlorobiphenyl recovery was below suggested QC limits.

In the OLM04.2 - CLP Pest/PCB analysis, the PEM before the calibration on 03/30/2005, GCSV3AD, data file SV3002, failed QC limits. The remaining PEM's were within acceptable QC limits.

In the OLM04.2 - Pesticides analysis for prep batch 288958, the MS/MSD exhibited sporadic recovery and RPD failures.

In the OLM04.2 - Pesticides analysis, the resolution check on GCSV8 on 03/28/05 was recalculated yielding 96% resolution for gamma-Chlordane. This resolution check is being resubmitted.

In the Pesticide PEM01 analyzed on GCSV3 on 03/30/05 at 1638, the target data file was inadvertently reprocessed causing the manual integration of several peaks to be deleted. In re-integrating the necessary peaks, several values for the PEM changed; therefore, the PEM summary form and associated data is being resubmitted.

METALS

In the ILM04.1 - CLP Metals analysis for prep batch 288896, the MS recoveries were outside the control limits for Antimony, Selenium, and Thallium. The LCS recoveries were within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The MS recovery is not applicable for Aluminum and Iron because the sample concentration is greater than four times the spike concentration.

RESUBMITTE

The sample/duplicate RPD for Arsenic and Antimony is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. Copper and Vanadium are flagged as estimated due to the fact that the percent difference between the original sample result and the serial dilution result is greater than 10. A chemical or physical interference is suspected.

In the ILM04.1 - CLP Metals analysis for prep batch 288899, the MS recovery was outside the control limits for Selenium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference.

RESUBMITTED

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

SOW No.:

EPA Sample No	Lab Sample ID
SKGW06R1013	20503091001
SKGW07R1013	20503091002
SKGW06R1013 (DISS)	20503091004
SKGW07R1013 (DISS)	20503091005
SKGW58-1013	20503091007
SKGW58MS-1013	20503091008
SKGW58-1013 (DISS)	20503091009
SKGW58MS-1013 (DISS)	20503091010
SKGW58MSD-1013 (DUP)	20503091012
SKGW64-1013	20503091013
SKGW63-1013	20503091014
SKGW58MSD-1013 DUP (D	20503091015
SKGW64-1013 (DISS)	20503091016
SKGW63-1013 (DISS)	20503091017
SKGW61-1013	20503091020

Were ICP interelement corrections applied ? Yes / No YES

Were ICP background corrections applied ? Yes / No YES

If yes-were raw data generated before application of background corrections ? Yes / No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness for other than the conditions detailed above. Release of this data contained in this hardcopy data package and in the computer readable data submitted on the diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mark Peterman Name: MARK PETERMAN

Date: 6/13/05 Title: METALS SUPERVISOR

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

SOW No.:

EPA Sample No	*Lab Sample ID*
SKGW61-DUP-1013	20503091021
SKGW62A-1013	20503091022
SKGW60-1013	20503091023
SKGW61-1013 (DISS)	20503091024
SKGW61-DUP-1013 (DISS)	20503091025
SKGW62A-1013 (DISS)	20503091026
SKGW60-1013 (DISS)	20503091027
SKGW59-1013	20503091028
SKGWEB-1013	20503091029
SKGW59-1013 (DISS)	20503091030
SKGWEB-1013 (DISS)	20503091031

Were ICP interelement corrections applied ? Yes / No YES

Were ICP background corrections applied ? Yes / No YES

If yes-were raw data generated before application of background corrections ? Yes / No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness for other than the conditions detailed above. Release of this data contained in this hardcopy data package and in the computer readable data submitted on the diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mark Peterman Name: MARK PETERMAN

Date:: 6/13/05 Title: METALS SUPERVISOR

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW06R1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091001

Level: (low / med) Date Received: 03/09/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	8510			P	
7440-36-0	Antimony	7.6	B	N	P	J
7440-38-2	Arsenic	9.0	B	*	P	J
7440-39-3	Barium	338			P	
7440-41-7	Beryllium	0.5	B		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	234000			P	
7440-47-3	Chromium	11.1			P	
7440-48-4	Cobalt	11.9	B		P	
7440-50-8	Copper	18.7	B	E	P	J
7439-89-6	Iron	20900			P	
7439-92-1	Lead	13.6			P	J
7439-95-4	Magnesium	51800			P	
7439-96-5	Manganese	1010			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	15.5	B		P	
7440-09-7	Potassium	4210	B		P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	20400			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	29.1	B	E	P	J
7440-66-6	Zinc	63.2			P	
57-12-5	Cyanide	0.5	U		AS	

6/29/05 MSE

Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW07R1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091002

Level: (low / med) Date Received: 03/09/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	9090			P	
7440-36-0	Antimony	10.7	B	N	P	J
7440-38-2	Arsenic	5.4	U	*	P	
7440-39-3	Barium	405			P	
7440-41-7	Beryllium	0.4	B		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	222000			P	
7440-47-3	Chromium	12.5			P	
7440-48-4	Cobalt	6.4	B		P	
7440-50-8	Copper	23.1	B	E	P	J
7439-89-6	Iron	22000			P	
7439-92-1	Lead	7.1			P	J
7439-95-4	Magnesium	42300			P	
7439-96-5	Manganese	913			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	16.0	B		P	
7440-09-7	Potassium	4300	B		P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	26200			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	23.5	B	E	P	J
7440-66-6	Zinc	59.4			P	
57-12-5	Cyanide	0.6	B		AS	

6/29/05 MSC

Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW06R1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091004

Level (low / med) Date Received: 03/09/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	6.1	B		P	J
7440-39-3	Barium	196	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	186000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.7	B		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	31700			P	
7439-96-5	Manganese	173			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	2200	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	21000			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	11.5	B		P	
7440-66-6	Zinc	4.6	B		P	

6/29/05 MSK

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW07R1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091005

Level: (low / med) Date Received: 03/09/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	5.4	U		P	
7440-39-3	Barium	94.7	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	173000			P	
7440-47-3	Chromium	2.4	B		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	10.5	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	26700			P	
7439-96-5	Manganese	398			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	1.5	B		P	
7440-09-7	Potassium	2380	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	24900			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	9.1	B		P	
7440-66-6	Zinc	11.3	B		P	

6/29/05 MSL

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW58-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091007

Level: (low / med) Date Received: 03/10/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	31900			P	
7440-36-0	Antimony	21.7	B	N	P	J
7440-38-2	Arsenic	19.6		*	P	J
7440-39-3	Barium	474			P	
7440-41-7	Beryllium	1.8	B		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	345000			P	
7440-47-3	Chromium	64.0			P	
7440-48-4	Cobalt	32.2	B		P	
7440-50-8	Copper	77.6		E	P	J
7439-89-6	Iron	80500			P	
7439-92-1	Lead	45.3			P	J
7439-95-4	Magnesium	86600			P	
7439-96-5	Manganese	1970			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	73.4			P	
7440-09-7	Potassium	11500			P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	31500			P	
7440-28-0	Thallium	6.3	U	N	P	J
7440-62-2	Vanadium	59.4		E	P	J
7440-66-6	Zinc	224			P	
57-12-5	Cyanide	0.5	U		AS	

6/28/05 MSK

Color Before: LT.BROWN Clarity Before: CLEAR Texture:

Color After: LT.BROWN Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW58MS-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091008

Level: (low / med) Date Received: 03/10/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	32400			P	
7440-36-0	Antimony	80.5		N	P	J
7440-38-2	Arsenic	61.4		*	P	J
7440-39-3	Barium	2550			P	
7440-41-7	Beryllium	57.0			P	
7440-43-9	Cadmium	53.4			P	
7440-70-2	Calcium	337000			P	
7440-47-3	Chromium	272			P	
7440-48-4	Cobalt	540			P	
7440-50-8	Copper	350		E	P	J
7439-89-6	Iron	79600			P	
7439-92-1	Lead	65.6			P	J
7439-95-4	Magnesium	84400			P	
7439-96-5	Manganese	2450			P	
7439-97-6	Mercury	5.1			AV	J
7440-02-0	Nickel	586			P	
7440-09-7	Potassium	10700			P	
7782-49-2	Selenium	6.0		N	P	J
7440-22-4	Silver	47.3			P	
7440-23-5	Sodium	31600			P	
7440-28-0	Thallium	37.1		N	P	J
7440-62-2	Vanadium	601		E	P	J
7440-66-6	Zinc	754			P	
57-12-5	Cyanide	88.4			AS	

6/29/05 MSM

Color Before: LT.BROWN Clarity Before: CLEAR Texture:

Color After: LT.BROWN Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW58-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091009

Level: (low / med) Date Received: 03/10/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	5.4	B		P	J
7440-39-3	Barium	157	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	108000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	1.1	B		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	49.4	B		P	
7439-92-1	Lead	2.4	U		P	US
7439-95-4	Magnesium	33200			P	
7439-96-5	Manganese	265			P	
7439-97-6	Mercury	0.1	U		AV	US
7440-02-0	Nickel	1.2	B		P	
7440-09-7	Potassium	4270	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	29700			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	11.1	B		P	
7440-66-6	Zinc	2.6	B		P	

6/29/05
MJL

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW58MS-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091010

Level: (low / med) Date Received: 03/10/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2080			P	
7440-36-0	Antimony	118			P	
7440-38-2	Arsenic	53.6			P	J
7440-39-3	Barium	2160			P	
7440-41-7	Beryllium	53.0			P	
7440-43-9	Cadmium	50.1			P	
7440-70-2	Calcium	103000			P	
7440-47-3	Chromium	201			P	
7440-48-4	Cobalt	484			P	
7440-50-8	Copper	239			P	
7439-89-6	Iron	1060			P	
7439-92-1	Lead	15.2			P	J
7439-95-4	Magnesium	31900			P	
7439-96-5	Manganese	785			P	
7439-97-6	Mercury	5.2			AV	J
7440-02-0	Nickel	477			P	
7440-09-7	Potassium	4190	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	50.4			P	
7440-23-5	Sodium	27400			P	
7440-28-0	Thallium	37.7			P	
7440-62-2	Vanadium	523			P	
7440-66-6	Zinc	505			P	

6/29/05
MSR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW58MSD-1013 (DUP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091012

Level (low / med) Date Received: 03/11/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	29600			P	
7440-36-0	Antimony	13.0	B	N	P	J
7440-38-2	Arsenic	9.5	B	*	P	J
7440-39-3	Barium	449			P	
7440-41-7	Beryllium	1.7	B		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	341000			P	
7440-47-3	Chromium	58.7			P	
7440-48-4	Cobalt	31.0	B		P	
7440-50-8	Copper	72.4		E	P	J
7439-89-6	Iron	77300			P	
7439-92-1	Lead	42.4			P	J
7439-95-4	Magnesium	84700			P	
7439-96-5	Manganese	1930			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	69.7			P	
7440-09-7	Potassium	10700			P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	32500			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	55.3		E	P	J
7440-66-6	Zinc	211			P	
57-12-5	Cyanide	0.5	U		AS	

6/29/05 MSK

Color Before: LT.BROWN Clarity Before: CLEAR Texture:

Color After: LT.BROWN Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW64-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091013

Level: (low / med) Date Received: 03/11/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15800			P	
7440-36-0	Antimony	12.0	B	N	P	J
7440-38-2	Arsenic	5.4	U	*	P	
7440-39-3	Barium	66.6	B		P	
7440-41-7	Beryllium	0.8	B		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	249000			P	
7440-47-3	Chromium	22.7			P	
7440-48-4	Cobalt	18.3	B		P	
7440-50-8	Copper	18.2	B	E	P	J
7439-89-6	Iron	38200			P	
7439-92-1	Lead	11.0			P	J
7439-95-4	Magnesium	71100			P	
7439-96-5	Manganese	2550			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	36.3	B		P	
7440-09-7	Potassium	14500			P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	49600			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	32.3	B	E	P	J
7440-66-6	Zinc	82.4			P	
57-12-5	Cyanide	0.5	U		AS	

6/29/05 [illegible]

Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW63-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091014

Level: (low / med) Date Received: 03/11/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	62600			P	
7440-36-0	Antimony	30.1	B	N	P	J
7440-38-2	Arsenic	5.4	U	*	P	
7440-39-3	Barium	393			P	
7440-41-7	Beryllium	3.5	B		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	702000			P	
7440-47-3	Chromium	67.9			P	
7440-48-4	Cobalt	60.7			P	
7440-50-8	Copper	124		E	P	J
7439-89-6	Iron	141000			P	
7439-92-1	Lead	85.6			P	J
7439-95-4	Magnesium	157000			P	
7439-96-5	Manganese	5660			P	
7439-97-6	Mercury	0.1	B		AV	J
7440-02-0	Nickel	119			P	
7440-09-7	Potassium	15200			P	
7782-49-2	Selenium	17.2		N	P	J
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	45800			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	90.7		E	P	J
7440-66-6	Zinc	403			P	
57-12-5	Cyanide	0.5	U		AS	

6/27/05
MA

Color Before: DK.BROWN Clarity Before: CLEAR Texture:

Color After: DK.BROWN Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW58MSD-1013 DUP (D

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091015

Level: (low / med) Date Received: 03/11/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	6.6	B		P	J
7440-39-3	Barium	159	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	108000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.9	B		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	46.3	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	33100			P	
7439-96-5	Manganese	266			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	1.4	B		P	
7440-09-7	Potassium	4300	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	28600			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	10.0	B		P	
7440-66-6	Zinc	2.8	B		P	

6/29/05 [illegible]

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW64-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091016

Level (low / med) Date Received: 03/11/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	5.4	U		P	
7440-39-3	Barium	29.6	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	182000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	59200			P	
7439-96-5	Manganese	863			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	5.1	B		P	
7440-09-7	Potassium	10200			P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	45000			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	13.4	B		P	
7440-66-6	Zinc	5.1	B		P	

6/29/05 MSR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW63-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091017

Level: (low / med) Date Received: 03/11/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	7.8	B		P	
7440-38-2	Arsenic	14.8			P	J
7440-39-3	Barium	31.7	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	286000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	2.4	B		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	655			P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	69600			P	
7439-96-5	Manganese	1530			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	1.6	B		P	
7440-09-7	Potassium	5920			P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	44700			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	16.5	B		P	
7440-66-6	Zinc	8.3	B		P	

6/28/05
MSU

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW61-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091020

Level (low / med) Date Received: 03/12/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4610			P	
7440-36-0	Antimony	6.2	B	N	P	J
7440-38-2	Arsenic	7.6	B	*	P	J
7440-39-3	Barium	79.7	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	222000			P	
7440-47-3	Chromium	8.5	B		P	
7440-48-4	Cobalt	4.7	B		P	
7440-50-8	Copper	9.5	B	E	P	J
7439-89-6	Iron	13500			P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	44500			P	
7439-96-5	Manganese	923			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	10.9	B		P	
7440-09-7	Potassium	8380			P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	27800			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	18.2	B	E	P	J
7440-66-6	Zinc	37.8			P	
57-12-5	Cyanide	0.5	U		AS	

6/29/05
MSR

Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTEI

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW61-DUP-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091021

Level: (low / med) Date Received: 03/12/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4400			P	
7440-36-0	Antimony	4.4	B	N	P	J
7440-38-2	Arsenic	5.7	B	*	P	J
7440-39-3	Barium	81.3	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	224000			P	
7440-47-3	Chromium	6.9	B		P	
7440-48-4	Cobalt	4.7	B		P	
7440-50-8	Copper	8.2	B	E	P	J
7439-89-6	Iron	13400			P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	44600			P	
7439-96-5	Manganese	926			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	10.8	B		P	
7440-09-7	Potassium	8270			P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	26900			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	16.2	B	E	P	J
7440-66-6	Zinc	35.5			P	
57-12-5	Cyanide	0.5	U		AS	

6/29/05
MSR

Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW62A-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091022

Level: (low / med) Date Received: 03/12/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	44600			P	
7440-36-0	Antimony	27.5	B	N	P	J
7440-38-2	Arsenic	5.4	U	*	P	
7440-39-3	Barium	867		/	P	
7440-41-7	Beryllium	2.2	B		P	
7440-43-9	Cadmium	9.8			P	
7440-70-2	Calcium	886000			P	
7440-47-3	Chromium	73.4			P	
7440-48-4	Cobalt	51.5			P	
7440-50-8	Copper	86.3		E	P	J
7439-89-6	Iron	99000			P	
7439-92-1	Lead	62.0			P	J
7439-95-4	Magnesium	107000			P	
7439-96-5	Manganese	5270			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	101			P	
7440-09-7	Potassium	18700			P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	123000			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	72.9		E	P	J
7440-66-6	Zinc	324			P	

6/25/05
MSL

Color Before: DK.BROWN Clarity Before: CLEAR Texture:

Color After: DK.BROWN Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW60-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091023

Level: (low / med) Date Received: 03/12/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	18300			P	
7440-36-0	Antimony	5.3	B	N	P	J
7440-38-2	Arsenic	5.4	U	*	P	
7440-39-3	Barium	111	B		P	
7440-41-7	Beryllium	1.0	B		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	342000			P	
7440-47-3	Chromium	33.4			P	
7440-48-4	Cobalt	19.2	B		P	
7440-50-8	Copper	25.3		E	P	J
7439-89-6	Iron	42400			P	
7439-92-1	Lead	20.6			P	J
7439-95-4	Magnesium	73500			P	
7439-96-5	Manganese	1960			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	34.8	B		P	
7440-09-7	Potassium	12600			P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	78600			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	39.8	B	E	P	J
7440-66-6	Zinc	116			P	

6/29/05 ASR

Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW61-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091024

Level (low / med) Date Received: 03/12/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	5.7	B		P	
7440-38-2	Arsenic	12.9			P	J
7440-39-3	Barium	35.2	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	183000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.9	B		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	32.1	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	33500			P	
7439-96-5	Manganese	713			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	2.0	B		P	
7440-09-7	Potassium	6540			P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	24800			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	9.3	B		P	
7440-66-6	Zinc	7.0	B		P	

6/29/05
ASK

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW61-DUP-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091025

Level: (low / med) Date Received: 03/12/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	11.7			P	I
7440-39-3	Barium	38.1	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	205000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	27.0	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	37100			P	
7439-96-5	Manganese	779			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	2.5	B		P	
7440-09-7	Potassium	7440			P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	27600			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	11.0	B		P	
7440-66-6	Zinc	6.4	B		P	

6/29/05
MSA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW62A-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091026

Level: (low / med) Date Received: 03/12/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1180			P	
7440-36-0	Antimony	5.5	B		P	
7440-38-2	Arsenic	8.1	B		P	J
7440-39-3	Barium	125	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	133000			P	
7440-47-3	Chromium	4.3	B		P	
7440-48-4	Cobalt	1.2	B		P	
7440-50-8	Copper	1.4	B		P	
7439-89-6	Iron	2870			P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	51300			P	
7439-96-5	Manganese	239			P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	5.1	B		P	
7440-09-7	Potassium	9340			P	
7782-49-2	Selenium	4.4	U	N	P	K
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	111000			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	15.2	B		P	
7440-66-6	Zinc	15.2	B		P	

6/29/05
MSA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW60-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091027

Level: (low / med) Date Received: 03/12/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	11.0	B		P	
7440-38-2	Arsenic	5.4	U		P	
7440-39-3	Barium	48.7	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	299000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	58.5	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	61600			P	
7439-96-5	Manganese	1.7	B		P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	8350			P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	74800			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	16.7	B		P	
7440-66-6	Zinc	7.0	B		P	

6/29/05 MSK

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGWEB-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091029

Level: (low / med) Date Received: 03/15/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U	N	P	UJ
7440-38-2	Arsenic	5.4	U	*	P	
7440-39-3	Barium	0.3	U		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	1.6	B		P	
7440-70-2	Calcium	48.2	B		P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U	E	P	
7439-89-6	Iron	16.8	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	66.9	U		P	
7439-96-5	Manganese	0.6	U		P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	152	B		P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	340	U		P	
7440-28-0	Thallium	6.3	B	N	P	J
7440-62-2	Vanadium	1.1	U	E	P	
7440-66-6	Zinc	0.7	U		P	
57-12-5	Cyanide	0.6	U		AS	

6/28/05
MKR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW59-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix: (soil / water) Water Lab Sample ID: 20503091030

Level: (low / med) Date Received: 03/15/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	6.9	B		P	
7440-38-2	Arsenic	5.4	U		P	
7440-39-3	Barium	21.1	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	236000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	53900			P	
7439-96-5	Manganese	0.6	U		P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	19200			P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	135000			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	16.0	B		P	
7440-66-6	Zinc	13.3	B		P	

6/24/05
MSW

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGWEB-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205030910

Matrix (soil / water) Water Lab Sample ID: 20503091031

Level (low / med) Date Received: 03/15/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	5.4	U		P	
7440-39-3	Barium	0.3	U		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	30.5	B		P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	66.9	U		P	
7439-96-5	Manganese	0.6	U		P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	97.8	U		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	340	U		P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	1.1	U		P	
7440-66-6	Zinc	1.9	B		P	

6/28/-5
MSU

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
Earth Tech	4342	205030910	3-23-05
Client Name	Client #	Workorder #	Due Date

Report to:
Client: EARTH TECH
Address: 2373 PROGRESS Dr.
HEBRON, KY 41048
Contact: PAT HIGGINS
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client:
Address: Bill to:
Contact: Glenn SPRINGS
Phone: CONTRACT
Fax:

P.O. Number: 54280.01
Project ~~Name/Number~~: SKINNER LANDFILL - 1st Qtr. 05
Sampled By: PAT HIGGINS / ROGER HUTH

Analytical Requests & Method

Lab use only:
Custody Seal used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 6

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample ~~Description~~	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	Cyanide	~~Trip Blank~~ (Pb)	Volatiles				Remarks:	Lab ID 3/9
W	3/07/05	1340		✓	SKGW 06R1013	VARIOUS	7	X	X	X	X	X	X		X				Refer to Table	-1, 0.35-4
W	3/07/05	1435		✓	SKGW 07R1013	VARIOUS	7	1	1	1	1	1	1		X				7 (TCL) and	-2, -5
W				✓	~~GW TB (1-3)~~ Dmm		3								~~X~~				Table 8 (TAC)	-3
					SKGWTB1-1013										X				of the final	
																			O&M Plan	
																			for the list	
																			of analytes	

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger Huth	FED EX	03-08-05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex 7915 6746 2728	[illegible]	3-9-05	924
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
SAMPLES SENT VIA FED EX
STANDARD TURNAROUND

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

000912

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date

Report to:
Client: EARTH TECH
Address: 2373 PROGRESS Dr.
HEBRON, KY 41048
Contact: PAT HIGGINS
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client:
Address: Bill to:
Contact: Glenn SPRINGS
Phone: CONTRACT
Fax:

P.O. Number: 54280.01
Project Name/Number: SKINNER LANDFILL - 1st Qtr. 05
Sampled By: PAT HIGGINS / ROGER HUTH

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	Cyanide	~~Flip Blue~~ Pt	Volatiles					Lab ID
W	3/07/05	1340		✓	SKGW06R1013	VARIOUS	7	X	X	X	X	X	X		X					/
W	3/07/05	1435		✓	SKGW07R1013	VARIOUS	7	X	X	X	X	X	X		X					
W				✓	~~GW TB (1-5)~~ SKGWTB17013 P.N.		3								X					

Analytical Requests & Method

Lab use only:
Custody Seal
used ☐ yes ☐ no
In tact ☐ yes ☐ no
Temperature °C

Remarks: Refer to Table 7 (TCL) and Table 8 (TAC) of the final O&M Plan for the list of analytes

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	FED EX	03-08-05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: SAMPLES SENT VIA FED EX
STANDARD TURNAROUND

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, air bag

We cannot accept verbal changes. Please fax written changes (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

000914

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
Earth Tech	4342	205030910	3-24-05
Client Name	Client #	Workorder #	Due Date

Report to:
Client: EARTH TECH
Address: 2373 PROGRESS DR.
HEBRON, KY 41048
Contact: Pat HIGGINS
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client: Bill to:
Address:
Contact: Glenn SPRINGS
Phone: CONTRACT
Fax:

P.O. Number: 54280.01
Project Name/Number: SKINNER LANDFILL - 1st Qtr. 05
Sampled By: Roger Huth / J. Robert

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	CYANIDE	Remarks:	Lab ID 3/10
W	3/09/05	1055		✓	SKGW58-1013	VARIOUS	7	X	X	X	X	X	X	Refer to Table 7 (TCL) and Table 8 (TAC) of the final O&M Plan for the list of analytes	-7 D,SS -4
W	3/09/05	1320		✓	SKGW58MS-1013	VARIOUS	7	1	1	1	1	1	1		-8 -10

Lab use only:
Custody Seal used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 3

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☑ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger E Huth	FED EX	03-09-05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex 7909 4316 9250	[illegible]	3-10-05	[illegible]
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: SAMPLES SENT VIA FED EX
STANDARD TURNAROUND

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

000915

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
Earth Tech	4342	205030910	3-25-05

Report to:
Client: Earth Tech
Address: 2373 Progress Dr.
Hebron, KY 41048
Contact: Pat Higgens
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client:
Address: Bill to: Glenn Springs
Contact: Contract
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: SKINNER LANDFILL - 1st Qtr. OS
Sampled By: Roger Huth / J.R. Lockery

Analytical Requests & Method

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 4

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metals	Cyanide	Diss	Remarks:	Lab ID
W	3/10/05	1045		✓	SKGW64-1013	Various		X	X	X	X	X	X	-16	Refer to Table	3/1 -13
W	3/10/05	1345		✓	SK GW63-1013	"		X	X	X	X	X	X	-17	1 (TCL) and	-14
W						"									Table 8 (TAC)	
						"									of the final	
						"									O&M Plan	
						"									for the list of	
															analytes	

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	FED EX	3/10/05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex 7954325931 9E	[signature]	3-11-05	9
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: Samples sent via FED EX
Standard turnaround

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services

WHITE: CLIENT FINAL REPORT — CANARY LABORATORY — PINK CLIENT

GCAL-06 11/98

000916

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
Earth Tech	4342	205030910	3-25-05
Client Name	Client #	Workorder #	Due Date

Report to:
Client: EARTH TECH
Address: 2373 PROGRESS DR. HEBRON, KY 41048
Contact: Pat Higgins
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client: Bill to:
Address: GLENN SPRINGS CONTRACT
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: SKINNER LANDFILL - 1st Qtr. 05
Sampled By: Roger Huth / J. Robert Lockery

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	Cyanide	Volatiles	Trip blank			Remarks:	Lab ID 3/11
W	3/09/05	1355		✓	SKGW58MSD-1013	VARIOUS		X	X	X	X	X	X	X		DISS-15	DIPR	Refer to Table	-11
W	3/09/05	1320		✓	SKGW58MS-1013	"								X				7 (TCL) and	-8
W	3/09/05	1055		✓	SKGW58-1013	"								X				Table 8 (TAL)	-7
W	3/9/05	1500		✓	SKGW52B-1013	"								X				of the Final	-18
W	3/10/05	1038		✓	SKGW64-1013	"								X				O&M Plan	-13
W	3/10/05	1345		✓	SKGW63-1013	"								X		DMM		for the list	-14
W				✓	SKGWTB2-1013									X	X			of analytes	-15

Lab use only:
Custody Seal used ☑ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 3

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger E Huth	FED EX	03/10/05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
FedEx 79045259 3176	M. Miller	3-11-05	930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: SAMPLES SENT VIA FED EX
STANDARD TURNAROUND

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WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

000977

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name | Client # | Workorder # | Due Date

Report to:
Client: EARTH TECH
Address: 2373 PROGRESS Dr.
Hebron, KY 41048
Contact: Pat Higgins
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client: ~~Bill to:~~
Address: GLENN SPRINGS
Contact: CONTRACT
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: SKINNER LANDFILL - 1st Qtr. 05
Sampled By: Roger Huth / J. Robert Lockery

Analytical Requests & Method

Lab use only:
Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	Cyanide	Volatiles	~~Trip blank~~ P.H.				Remarks:	Lab ID
W	3/09/05	1355		✓	SKGW58MSD-1013	VARIOUS		x	x	x	x	x	x	x					Refer to Table	1
W	3/09/05	1370		✓	SKGW58MS-1013	"								x					7 (TCL) and	
W	3/09/05	1055		✓	SKGW58-1013	"								x					Table 8 (TAC)	
W	3/9/05	1500		✓	SKGW57B-1013	"								x					of the final	
W	3/10/05	1038		✓	SKGW64-1013	"								x					O&M Plan	
W	3/10/05	1345		✓	SKGW63-1013	"								x					for the list	
W				✓	SKGWTB2-1013									x	x	P.H.			of analytes	

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger E Huth	FED EX	03/10/05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: SAMPLES SENT VIA FED EX
STANDARD TURNAROUND

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

WHITE: CLIENT FINAL REPORT — CANARY LABORATORY — PINK CLIENT

GCAL-06 11/98

000918

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
Earth Tech	4342	205030910	3-25-05
Client Name	Client #	Workorder #	Due Date

Report to:
Client: Earth Tech
Address: 2373 Progress Drive
Hebron, KY 41018
Contact: Pat Higgens
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client:
Address: Bill to:
Contact: Glenn Springs
Phone:
Fax: Contract

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 1ST Quarter O.S.
Sampled By: James Lackery / Roger Huth

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metals	Cyanide	Volatiles			D-SS	Remarks:	Lab ID
W	3/11/05	1215		✓	SKGW60-1013			X	X	X	X	X	X	X			-24	Refer to table	-20
W	3/11/05	1230		✓	SKGW61-DUP-1013			X	X	X	X	X	X	X			-25	7 (TCL) and	-21
																		Table 8 (TAC)	
																		of the final	
																		O&M Plan	
																		for the list	
																		of analytes.	

Lab use only:
Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 3

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		03/11/05	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-12-05	0930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-12-05	1021

Note: Samples sent VIA FED EX
Standard Turnaround

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

CAL-06 11/98

000919

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
Earth Tech	4342	205030910	3-25-05

Report to:
Client: EARTH TECH
Address: 2373 PROGRESS DR. Hebron, KY 41048
Contact: Pat HIGGINS
Phone: 859-442-2300
Fax: 859-442-2314

Bill to:
Client: Bill to
Address: Glenn SPRINGS
Contact: CONTRACT
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: SKINNER Landfill - 1st Qtr. 05
Sampled By: Roger Huth / JR Lockery

Analytical Requests & Method

Lab use only:
Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 3

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides/PCB	Total Metals	Dissolved Metal	Volatiles	Diss	Remarks:	Lab ID
W	3/11/05	1420			SKGW62A-1013 *	Various		X	X	X	X	X	-26	Refer to Table	3/14 -22
W	3/11/05	1400			SKGW60-1013 *	Various		1	1	1	1	1	-27	7 (TCL) and Table 8 (TAC) of the final O&M Plan for the list of analytes	-23

* Low water volume on both

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger Huth	FED EX	03/11/05	1800
	Dm [illegible]	3-12-05	093[illegible]
[illegible]	[illegible]		

Note: SAMPLES SENT VIA FED EX STANDARD TURNAROUND

By submitting these samples, you agree to the terms and

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

L-06 11/98

000920

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
Earth Tech	4342	20503091 0	3-24-05
Client Name	Client #	Workorder #	Due Date

Report to:
Client: EARTH TECH
Address: 2373 Progress Dr
Hebron, KY 41048
Contact: PAT HIGGINS
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client:
Address: GLENN SPRINGS CONTRACT
Contact:
Phone:
Fax:

P.O. Number: 54280-01
Project Name/Number: SKINNER LANDFILL - 1st Qtr, 05
Sampled By: Roger Hutt / Ken Collins

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	CYANIDE	Volatiles		2155	Remarks:	Lab ID
W	3/14/05	1150		X	SKGW 59-1013	Various	10	X	X	X	X	X	X	X		-30	Refer to Table 7 (TCL) and Table 8 (TAC) of the final O&M Plan for the list of analytes	3/15 -28
W	3/14/05	1355		X	SKGW EB-1013	Various	10	1	1	1	1	1	1	1		-31		-29

Lab use only:
Custody Seal used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 6

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger Hutt	FED EX	3/14/05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex 7915 7279 4955	[signature]	3-15-05	930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: SAMPLES SENT VIA FED EX
STANDARD TURNAROUND

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services

T26000

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

CAL-06 11/98

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 54280

LABORATORY REPORT NUMBER 205033003

PROJECT MANAGER: Ron Rolker

Date: June 28, 2005

Data Validator: Mark Kromis

LIST OF ACRONYMS

BFB	Bromofluorobenzene
CC	Continuing Calibration
CCV	Continuing Calibration Verification
CCB	Continuing Calibration Blanks
CLP	Contract Laboratory Program
CRDL	Contract Required Detection Limit
DFTPP	Decafluorotriphenylphosphine
GC/MS	Gas Chromatograph/Mass Spectrometer
IC	Initial Calibration
ICB	Initial Calibration Blank
IDL	Instrument Detection Limit
ICP	Inductively Coupled Plasma
ICS	Interference Check Sample
ICV	Initial Calibration Verification
ILM	Inorganic Analysis Multi-Media Multi-Concentration
INDAM	Individual A Mixture
INDBM	Individual B Mixture
mg/L	milligrams per liter
MS/MSD	Matrix Spike/Matrix Spike Duplicate
OLC	Organic Analysis Low Concentration
OLM	Organic Analysis Multi-Media Multi-Concentration
%D	Percent Difference
% RSD	Percent Relative Standard Deviation
PB	Preparation Blanks
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RRF	Relative Response Factor
SDG	Sample Delivery Group
SOW	Statement of Work
µg/L	micrograms per liter
US EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds
VTSR	Validated Time of Sample Receipt

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205033003 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 205033003.

GCAL #	Sample Description
20503300301	SKSWD3-1013
20503300302	SKSWD3-1013-DUP
20503300303	SKSWD3-MS-1013
20503300305	SKSWD3-MSD-1013 (DUP)
20503300306	SKSWD3-1013 (DISS)
20503300307	SKSWD3-1013 DUP (DISS)
20503300308	SKSWD3-MS-1013 (DISS)
20503300309	SKSWD3-MSD-1013 DUP (DISS)

INTRODUCTION

Analyses of metals were performed according to Contract Laboratory Program (CLP)-Inorganic Analysis Multi-media Multi-concentration ILM04.1 Statement of Work (SOW). Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values maybe used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the inorganics data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. Calibration
   A. Initial Calibration (IC)
   B. Continuing Calibration (CC)
3. Blanks
4. Inductively Coupled Plasma (ICP) Interference Check Sample
5. Laboratory Control Sample (LCS)
6. Duplicate Analysis
7. Spike Sample Analysis
8. ICP Serial Dilution
9. System Performance
10. Documentation
11. Overall Assessment

1. HOLDING TIMES

All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol. Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. CALIBRATION

A. Initial Calibration

The percent recoveries for the Initial Calibration Verification (ICV) standard were within Quality Control (QC) limits for all constituents.

B. Continuing Calibration

The percent recoveries for the Continuing Calibration Verification (CCV) standard were within QC limits for all constituents.

3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL) with the exception of Selenium in the CCB #2 and Lead in the PB. As per the National Functional Guidelines; sample results greater than the IDL but less than 5 times the amount found in any blank should be qualified as (U). If any analyte concentration in the PB is above the CRDL, the lowest concentration of that analyte in the associated samples must be 10 times the PB concentration. Otherwise, all samples associated with that blank should have been redigested and reanalyzed. Technically the samples should have been re-digested and re-analyzed for Selenium and Lead.

4. ICP INTERFERENCE CHECK SAMPLE

Results for the ICP analysis of the Interference Check Sample (ICS) solution AB were within 20% of the true value.

5. LABORATORY CONTROL SAMPLES

Recoveries were within the control limit (80-120%) for all constituents.

6. DUPLICATE ANALYSIS

The laboratory used sample SKSWD3-1013 for the duplicate sample. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SKSWD3-1013 and SKSWD3-1013 (dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Lead (73%) and Selenium (72%) in the dissolved fraction.

As per the National Functional Guidelines: if the percent recovery is less than 75% but greater than 30% then qualify detected results for that analyte with "J" and non-detected results with "UJ".

8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes.

9. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

10. DOCUMENTATION

The RPD for Potassium, Vanadium, and Cyanide on page 000019 (resubmitted) and Antimony, and Potassium on page 000020 (resubmitted) were calculated incorrectly. The data validator recalculated the RPD's and manually made the correction on the hard copy report. The Form X for metals did not contain the complete TAL list. The data validator contacted GCAL and requested that the form be corrected and resubmitted.

11. OVERALL ASSESSMENT

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards were 136.7% and 128.1%.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards were 133.6% and 59.7%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards were 143.0% and 113.9%.

The percent recoveries for Mercury in the Contract Required Detection Limit (CRDL) standards were 123.2%.

If the CRDL is greater than 120% then detected results greater than the IDL but less than two times the CRDL are qualified as estimated with "J". If the CRDL is below 80% then detected results are qualified as estimated with "J" and the non-detected results were qualified with "UJ".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205033003 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 205033003.

GCAL #	Sample Description
20503300301	SKSWD3-1013
20503300302	SKSWD3-1013-DUP
20503300303	SKSWD3-MS-1013
20503300304	SKSWD3-MSD-1013

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various data qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U — The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J — The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R — The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the semivolatile data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. GC/MS Tuning
3. Calibration
   A. IC
   B. CC
4. Blanks
5. System Monitoring Compound Recovery
6. MS/MSD
7. Internal Standards Performance
8. Compound Identification
9. Constituent Quantitation and Reported Detection Limits
10. System Performance
11. Documentation
12. Overall Assessment

1. HOLDING TIMES

All samples were initially extracted within the seven-day technical holding time and the five-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. One decafluorotriphenylphosphine (DFTPP) tune was run representing the shift in which the standards and samples were analyzed. The DFTPP tune is acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 4/1/05 was analyzed in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent % RSD values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF were within the acceptance criteria specified in the method for all reported analytes. The %RSD's were within the acceptance criteria specified in the method for all target analytes with the exception of Diethylphthalate (45.5%). The lowest point of the calibration curve was dropped for Diethylphthalate and the %RSD was recalculated. The recalculated %RSD was within the acceptance criteria of less than 30%. Diethylphthalate were not detected in the associated samples therefore data qualification was not required.

B. Continuing Calibration

One CC dated 4/1/05 was analyzed in support of the semivolatile sample analyses reported in the data submissions. The RRF's for the CC's were within the acceptance criteria. The percent difference (%D) between the average RRF's and the CC Response Factors were within the acceptance criteria.

4. BLANKS

One laboratory semivolatile method blank was analyzed with this SDG. The results are summarized below.

<u>Method Blank (MB231284)</u>

Di-n-octylphthalate (1.59 ppb) and Bis-(2-ethylhexyl) phthalate (2.29 ppb) were detected in the blank extracted on 4/1/05. Di-n-octylphthalate and Bis-(2-ethylhexyl) phthalate were not detected in the associated samples.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample SKSWD3-1013 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of 4-nitrophenol. The %RPD between the MS/MSD are within the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

7. INTERNAL STANDARDS PERFORMANCE

Internal standard areas and retention times were within acceptable limits for the reported semivolatile sample analyses.

8. COMPOUND IDENTIFICATION

All reported semivolatile constituents were correctly identified with supporting chromatograms present in the data package.

9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents

10. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data submitted for review.

11. DOCUMENTATION

The documentation appeared accurate and in order.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205033003 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 205033003.

GCAL #	Sample Description
20503300301	SKSWD3-1013
20503300302	SKSWD3-1013-DUP
20503300303	SKSWD3-MS-1013
20503300304	SKSWD3-MSD-1013
20503300310	VHBLK

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The volatiles data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. GC/MS Tuning
3. Calibration
   A. IC
   B. CC
4. Blanks
5. System Monitoring Compound Recovery
6. MS/MSD
7. Laboratory Control Sample
8. Internal Standards Performance
9. Compound Identification
10. Constituent Quantitation and Reported Detection Limits
11. System Performance
12. Documentation
13. Overall Assessment

1. HOLDING TIMES

All samples for Volatile Organic Compounds (VOC) analyses were analyzed within the 14-day technical holding time and the 10-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/MS TUNING

The samples were analyzed on two GC/MS systems, identified as MSV0 and MSV4. Two bromofluorobenzene (BFB) tunes were run on MSV0 and one BFB tune on MSV4. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 3/31/05 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds. The %RSD's were within the acceptance criteria specified in the method for all target analytes.

The RRF's and the average RRF for the IC's dated 3/31/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. The %RSD's were within the acceptance criteria specified in the method for all target analytes with the exception of 1,2,4-Trichlorobenzene. The data validator dropped the low point of the calibration curve and recalculated the %RSD. The recalculated %RSD was within the acceptance criteria.

As per the National Functional Guidelines, if any initial calibration RRF is less than 0.05, qualify positive results that have acceptable mass spectral identification with "J", using professional judgment, and non-detected analytes as unusable (R). It should be noted that the laboratory did meet the minimum RRF of 0.01 for all target compounds.

B. Continuing Calibration

One CC dated 3/31/05 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRF's and the CC RF's were within the acceptance criteria for all target compounds. The CC RRF's were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. The Acetone and 2-Butanone results were previously qualified under section 3A above.

4. BLANKS

One laboratory volatile method blank and storage blank were analyzed with this SDG. The results are summarized below.

MB231679

There were no target compounds detected in the method blank analyzed on 3/31/05.

Storage Blank (VHBLK)

There were no target analytes detected in the storage blank analyzed on 3/31/05.

Trip Blank

There was no trip blank submitted with this SDG.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds were recovered within acceptable control limits (80%-120%) for all samples.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKSWD3-1013 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

Three Laboratory Control Samples were analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

8. INTERNAL STANDARDS PERFORMANCE

Internal Standard (IS) areas and retention times were within acceptable limits for the reported volatile sample analyses.

9. COMPOUND IDENTIFICATION

All reported VOCs were correctly identified with supporting chromatograms present in the data package.

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

12. DOCUMENTATION

The documentation appeared accurate and in order with the exception of the sample number identified on form III. The data validator manually made the correction from SFSWD3-1013 to SKSWD3-1013.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 205033003 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 205033003.

GCAL #	Sample Description
20503300301	SKSWD3-1013
20503300302	SKSWD3-1013-DUP
20503300303	SKSWD3-MS-1013
20503300304	SKSWD3-MSD-1013

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U — The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the pesticide data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. Gas Chromatograph/Electronic Capture Detector (GC/ECD) Instrument Performance Check
3. IC
4. Calibration Verification
5. Blanks
6. Surrogate Spikes
7. Matrix Spike/Matrix Spike Duplicate (MS/MSD)
8. Pesticide Cleanup Checks
9. Target Compound Identification
10. Constituent Quantitation and Reported Detection Limits
11. Documentation
12. Overall Assessment

1. HOLDING TIMES

All samples were originally extracted within the seven-day technical holding time and the five-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C – - 2°C.

2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits.

The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check.

The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM). The percent breakdown for both 4,4'-DDT and Endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and Endrin in each PEM was less than 30.0% for both GC columns.

3. INITIAL CALIBRATION

Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria with the exception of gamma-chlordane analyzed 4/505 (RTX-XLB-30M). The data validator qualified the detected results for gamma-chlordane with "J" and the non-detected results for gamma-chlordane with "UJ".

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20% with the exception of Heptachlor (23.0%) and Endosulfan (20.6%) associated with the samples analyzed on 4/5/05 (DB-35MS-30M). The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks. As per the National Functional Guidelines, up to two single component target pesticides (other than the surrogates) per column may exceed the 20% limit but the %RSD must be less than 30.0%.

4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent with the exception of Methoxychlor for the calibration dated 4/5/05 on column RTX-XLB-30M. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent with the exception of Endrin for the calibration dated 4/8/05 (1227) on column DB-35MS-30M. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent with the exception of Endrin, 4,4'-DDT, and Tetrachloro-m-xylene for the calibration dated 4/8/05 (1838) on column DB-35MS-30M. The percent difference for each of the pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures A and B was within the acceptance criteria of ±25.0 percent.

As per the National Functional Guidelines, if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all associated detected results with "J" and non-detects with "UJ".

5. BLANKS

One laboratory method blank was analyzed with this SDG. The results are summarized below.

Method Blank 231611

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 4/1/05.

6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples.

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKSWD3-1013 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

9. TARGET COMPOUND IDENTIFICATION

All reported pesticide data were correctly identified with supporting chromatograms present in the data package.

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for pesticide constituents.

11. DOCUMENTATION

The documentation appeared accurate and in order.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

REFERENCES

US EPA, 1994. *National Functional Guidelines for Inorganic Data Review.*

US EPA, 1999. *National Functional Guidelines for Organic Data Review.*

see 6/28/05 page

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 04/14/2005

GCAL Report 205033003

Deliver To	Earth Tech 2373 Progress St Hebron, KY 41048 859-442-2300
Attn	Pat Higgins

Customer Earth Tech

Project Skinner Landfill

000001

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 • Phone 225.769.4900 • Fax 225.767.5717

CASE NARRATIVE

Client: Earth Tech **Report:** 205033003

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

SEMI-VOLATILES

In the OLM04.2 - CLP analysis, the recovery for 4-Nitrophenol was above QC limits in the MS/MSD for prep batch 289550.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8081A analysis, DDT, Endrin, and TCMX failed high in the PEM for confirmatory analysis. No target analytes were detected in the associated samples.

METALS

In the ILM04.1 - CLP analysis, the sample/duplicate RPD for Antimony for prep batch 289557 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

In the ILM04.1 - CLP analysis for prep batch 289558, the MS recoveries were outside the control limits for Lead and Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. Selenium was detected in the method blank; however, Selenium was not detected above the reporting limit for samples associated with this QC; therefore, the data is reportable. The sample/duplicate RPDs for Aluminum, Antimony, Chromium, Cobalt, and Iron are not applicable because the sample and/or duplicate concentrations are less than five times the reporting limit.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Curtis Ekker

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 205033003

THIS REPORT CONTAINS 401 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20503300301	SKSWD3-1013	Water	03/29/2005 10:45	03/30/2005 09:15
20503300302	SKSWD3-1013 DUPE	Water	03/29/2005 11:06	03/30/2005 09:15
20503300303	SKSWD3-MS-1013	Water	03/29/2005 11:33	03/30/2005 09:15
20503300304	SKSWD3-MSD-1013	Water	03/29/2005 11:52	03/30/2005 09:15
20503300305	SKSWD3-MSD-1013 (DUP)	Water	03/29/2005 11:52	03/30/2005 09:15
20503300306	SKSWD3-1013 (DISS)	Water	03/29/2005 10:45	03/30/2005 09:15
20503300307	SKSWD3-1013 DUPE (DISS)	Water	03/29/2005 11:06	03/30/2005 09:15
20503300308	SKSWD3-MS-1013 (DISS)	Water	03/29/2005 11:33	03/30/2005 09:15
20503300309	SKSWD3-MSD-1013 DUP (DISS)	Water	03/29/2005 11:52	03/30/2005 09:15
20503300310	VHBLK	Water		03/30/2005 09:15

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSWD3-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503300301

Level: (low/med) Lab File ID: 2050331/U1021

% Moisture: not dec. Date Collected: 03/29/05 Time: 1045

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/30/05

Instrument ID: MSV0 Date Analyzed: 03/31/05 Time: 1705

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 289559

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSWD3-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503300301

Level: (low/med) Lab File ID: 2050331/U1021

% Moisture: not dec. Date Collected: 03/29/05 Time: 1045

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/30/05

Instrument ID: MSV0 Date Analyzed: 03/31/05 Time: 1705

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 289559

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKSWD3-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix: Water Lab Sample ID: 20503300301

Sample wt/vol: Units: Lab File ID: 2050331/U1021

Level: (low/med) Date Collected: 03/29/05 Time: 1045

% Moisture: not dec. Date Received: 03/30/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/31/05 Time: 1705

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSWD3-1013 DUPE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503300302

Level: (low/med) Lab File ID: 2050331/U1024

% Moisture: not dec. Date Collected: 03/29/05 Time: 1106

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/30/05

Instrument ID: MSV0 Date Analyzed: 03/31/05 Time: 1812

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RFS

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 289559

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

FORM I VOA

6/28/05 MJO

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSWD3-1013 DUPE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503300302

Level: (low/med) Lab File ID: 2050331/U1024

% Moisture: not dec. Date Collected: 03/29/05 Time: 1106

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/30/05

Instrument ID: MSV0 Date Analyzed: 03/31/05 Time: 1812

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RFS

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288559

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKSWD3-1013 DUPE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix: Water Lab Sample ID: 20503300302

Sample wt/vol: Units: Lab File ID: 2050331/U1024

Level: (low/med) Date Collected: 03/29/05 Time: 1106

% Moisture: not dec. Date Received: 03/30/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/31/05 Time: 1812

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSWD3-MS-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503300303

Level: (low/med) Lab File ID: 2050331/U1025

% Moisture: not dec. Date Collected: 03/29/05 Time: 1133

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/30/05

Instrument ID: MSV0 Date Analyzed: 03/31/05 Time: 1835

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RFS

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 289559

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.4		0.010	1.0
106-93-4	1,2-Dibromoethane	5.2		0.010	1.0
107-06-2	1,2-Dichloroethane	5.5		0.010	1.0
78-87-5	1,2-Dichloropropane	5.3		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.3		0.010	1.0
71-43-2	Benzene	5.2		0.010	1.0
75-25-2	Bromoform	5.1		0.010	1.0
56-23-5	Carbon tetrachloride	5.1		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.3		0.010	1.0
127-18-4	Tetrachloroethene	5.1		0.010	1.0
79-01-6	Trichloroethene	5.1		0.010	1.0
75-01-4	Vinyl chloride	5.4		0.010	1.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSWD3-MSD-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503300304

Level: (low/med) Lab File ID: 2050331/U1026

% Moisture: not dec. Date Collected: 03/29/05 Time: 1152

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/30/05

Instrument ID: MSV0 Date Analyzed: 03/31/05 Time: 1857

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RFS

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 289559

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.4		0.010	1.0
106-93-4	1,2-Dibromoethane	5.3		0.010	1.0
107-06-2	1,2-Dichloroethane	5.6		0.010	1.0
78-87-5	1,2-Dichloropropane	5.2		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.4		0.010	1.0
71-43-2	Benzene	5.2		0.010	1.0
75-25-2	Bromoform	5.2		0.010	1.0
56-23-5	Carbon tetrachloride	5.0		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.3		0.010	1.0
127-18-4	Tetrachloroethene	5.1		0.010	1.0
79-01-6	Trichloroethene	5.1		0.010	1.0
75-01-4	Vinyl chloride	5.6		0.010	1.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205033003
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSWD3-1013
Contract:
Lab File ID: 2050401/B7290
Lab Sample ID: 20503300301
Date Collected: 03/29/05 Time: 1045
Date Received: 03/30/05
Date Extracted: 03/31/05
Date Analyzed: 04/01/05 Time: 1351
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 289550 Analytical Batch: 289634

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	0.911	J	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205033003

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSWD3-1013

Contract:

Lab File ID: 2050401/B7290

Lab Sample ID: 20503300301

Date Collected: 03/29/05 Time: 1045

Date Received: 03/30/05

Date Extracted: 03/31/05

Date Analyzed: 04/01/05 Time: 1351

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 289550 Analytical Batch: 289634

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	0.503	J	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	1.02	J	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205033003
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSWD3-1013
Contract:
Lab File ID: 2050401/B7290
Lab Sample ID: 20503300301
Date Collected: 03/29/05 Time: 1045
Date Received: 03/30/05
Date Extracted: 03/31/05
Date Analyzed: 04/01/05 Time: 1351
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 289550 Analytical Batch: 289834

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205033003

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKSWD3-1013

Contract:

Lab File ID: B7290

Lab Sample ID: 20503300301

Date Collected: 03/29/05 Time: 1045

Date Received: 03/30/05

Date Extracted:

Date Analyzed: 04/01/05 Time: 1351

Dilution Factor: 1 Analyst: RLW

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205033003
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSWD3-1013 DUPE
Contract:
Lab File ID: 2050401/B7291
Lab Sample ID: 20503300302
Date Collected: 03/29/05 Time: 1108
Date Received: 03/30/05
Date Extracted: 03/31/05
Date Analyzed: 04/01/05 Time: 1410
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 289550 Analytical Batch: 289634

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	0.903	J	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205033003
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSWD3-1013 DUPE
Contract:
Lab File ID: 2050401/B7291
Lab Sample ID: 20503300302
Date Collected: 03/29/05 Time: 1108
Date Received: 03/30/05
Date Extracted: 03/31/05
Date Analyzed: 04/01/05 Time: 1410
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 289550 Analytical Batch: 289634

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	0.528	J	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	1.05	J	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205033003

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSWD3-1013 DUPE

Contract:

Lab File ID: 2050401/B7291

Lab Sample ID: 20503300302

Date Collected: 03/29/05 Time: 1106

Date Received: 03/30/05

Date Extracted: 03/31/05

Date Analyzed: 04/01/05 Time: 1410

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 289550 Analytical Batch: 289634

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205033003

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKSWD3-1013 DUPE

Contract:

Lab File ID: B7291

Lab Sample ID: 20503300302

Date Collected: 03/29/05 Time: 1106

Date Received: 03/30/05

Date Extracted:

Date Analyzed: 04/01/05 Time: 1410

Dilution Factor: 1 Analyst: RLW

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205033003
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSWD3-MS-1013
Contract:
Lab File ID: 2050401/B7294
Lab Sample ID: 20503300303
Date Collected: 03/29/05 Time: 1133
Date Received: 03/30/05
Date Extracted: 03/31/05
Date Analyzed: 04/01/05 Time: 1507
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 289550 Analytical Batch: 289634

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	43.0		0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	73.4		0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	58.0		0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	39.3		0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205033003

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSWD3-MS-1013

Contract:

Lab File ID: 2050401/B7294

Lab Sample ID: 20503300303

Date Collected: 03/29/05 Time: 1133

Date Received: 03/30/05

Date Extracted: 03/31/05

Date Analyzed: 04/01/05 Time: 1507

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 289550 Analytical Batch: 289634

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	0.403	J	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	73.0		0.010	25.0
87-86-5	Pentachlorophenol	64.1		0.010	25.0
85-01-8	Phenanthrene	0.993	J	0.010	10.0
108-95-2	Phenol	61.4		0.010	10.0
129-00-0	Pyrene	34.2		0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	29.7		0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205033003
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSWD3-MS-1013
Contract:
Lab File ID: 2050401/B7294
Lab Sample ID: 20503300303
Date Collected: 03/29/05 Time: 1133
Date Received: 03/30/05
Date Extracted: 03/31/05
Date Analyzed: 04/01/05 Time: 1507
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 289550 Analytical Batch: 289634

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205033003
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSWD3-MSD-1013
Contract:
Lab File ID: 2050401/B7293
Lab Sample ID: 20503300304
Date Collected: 03/29/05 Time: 1152
Date Received: 03/30/05
Date Extracted: 03/31/05
Date Analyzed: 04/01/05 Time: 1448
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 289550 Analytical Batch: 289634

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	39.1		0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	58.0		0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	53.7		0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	32.4		0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205033003

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKSWD3-MSD-1013

Contract:

Lab File ID: 2050401/B7293

Lab Sample ID: 20503300304

Date Collected: 03/29/05 Time: 1152

Date Received: 03/30/05

Date Extracted: 03/31/05

Date Analyzed: 04/01/05 Time: 1448

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 289550 Analytical Batch: 289634

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	3.25	J	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	0.378	J	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	69.1		0.010	25.0
87-86-5	Pentachlorophenol	63.2		0.010	25.0
85-01-8	Phenanthrene	0.537	J	0.010	10.0
108-95-2	Phenol	51.3		0.010	10.0
129-00-0	Pyrene	30.6		0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	26.6		0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205033003

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSWD3-MSD-1013

Contract:

Lab File ID: 2050401/B7293

Lab Sample ID: 20503300304

Date Collected: 03/29/05 Time: 1152

Date Received: 03/30/05

Date Extracted: 03/31/05

Date Analyzed: 04/01/05 Time: 1448

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 289550 Analytical Batch: 289634

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-XLB-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 289638 Analytical Batch: 290382

CONCENTRATION UNITS: ug/L

Sample ID: SKSWD3-1013

Contract:

SAS No.: SDG No.: 205033003

Lab Sample ID: 20503300301

Date Collected: 03/29/05 Time: 1045

Date Received: 03/30/05

Date Extracted: 04/01/05

Date Analyzed: 04/05/05 Time: 1817

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS11A

Lab File ID: 2050405/SV11019

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100	
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100	
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100	UJ
309-00-2	Aldrin	0.050	U	0.00010	0.050	
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00	
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00	
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00	
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00	
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00	
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00	
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00	
60-57-1	Dieldrin	0.100	U	0.00010	0.100	
959-98-8	Endosulfan I	0.050	U	0.00010	0.050	
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100	
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100	
72-20-8	Endrin	0.100	U	0.00010	0.100	UJ
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100	
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100	
76-44-8	Heptachlor	0.050	U	0.00010	0.050	
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050	
72-43-5	Methoxychlor	0.500	U	0.00010	0.500	UJ
8001-35-2	Toxaphene	5.00	U	0.00010	5.00	
319-84-6	alpha-BHC	0.050	U	0.00010	0.050	
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050	
319-85-7	beta-BHC	0.050	U	0.00010	0.050	
319-86-8	delta-BHC	0.050	U	0.00010	0.050	
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050	
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050	

6/28/05

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SKSWD3-1013 DUPE
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 205033003
Sample wt/vol: 1000 Units: mL
Lab Sample ID: 20503300302
Level: (low/med) LOW
Date Collected: 03/29/05 Time: 1106
% Moisture: decanted: (Y/N)
Date Received: 03/30/05
GC Column: RTX-XLB-30 ID: .25 (mm)
Date Extracted: 04/01/05
Concentrated Extract Volume: 1000 (µL)
Date Analyzed: 04/05/05 Time: 1839
Soil Aliquot Volume: (µL)
Dilution Factor: 1 Analyst: DLB
Injection Volume: 1 (µL)
Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:
Analytical Method: OLMO 4.2
Prep Batch: 289638 Analytical Batch: 290382
Sulfur Cleanup: (Y/N) N Instrument ID: GCS11A
CONCENTRATION UNITS: ug/L
Lab File ID: 2050405/SV11020

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100	
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100	
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100	UJ
309-00-2	Aldrin	0.050	U	0.00010	0.050	
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00	
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00	
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00	
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00	
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00	
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00	
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00	
60-57-1	Dieldrin	0.100	U	0.00010	0.100	
959-98-8	Endosulfan I	0.050	U	0.00010	0.050	
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100	
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100	
72-20-8	Endrin	0.100	U	0.00010	0.100	UJ
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100	
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100	
76-44-8	Heptachlor	0.050	U	0.00010	0.050	
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050	
72-43-5	Methoxychlor	0.500	U	0.00010	0.500	UJ
8001-35-2	Toxaphene	5.00	U	0.00010	5.00	
319-84-6	alpha-BHC	0.050	U	0.00010	0.050	
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050	
319-85-7	beta-BHC	0.050	U	0.00010	0.050	
319-86-8	delta-BHC	0.050	U	0.00010	0.050	
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050	
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050	

6/28/05 MSR

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-XLB-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 289638 Analytical Batch: 290382

CONCENTRATION UNITS: ug/L

Sample ID: SKSWD3-MS-1013

Contract:

SAS No.: SDG No.: 205033003

Lab Sample ID: 20503300303

Date Collected: 03/29/05 Time: 1133

Date Received: 03/30/05

Date Extracted: 04/01/05

Date Analyzed: 04/05/05 Time: 1902

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS11A

Lab File ID: 2050405/SV11021

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.170		0.00010	0.100
50-29-3	4,4'-DDT	0.719		0.00010	0.100
309-00-2	Aldrin	0.462		0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.663		0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.732		0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.400		0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane	0.354		0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-XLB-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 289638 Analytical Batch: 290382

Sample ID: SKSWD3-MSD-1013

Contract:

SAS No.: SDG No.: 205033003

Lab Sample ID: 20503300304

Date Collected: 03/29/05 Time: 1152

Date Received: 03/30/05

Date Extracted: 04/01/05

Date Analyzed: 04/05/05 Time: 1925

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS11A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050405/SV11022

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.122		0.00010	0.100
50-29-3	4,4'-DDT	0.774		0.00010	0.100
309-00-2	Aldrin	0.447		0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.659		0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.652		0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.420		0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.323		0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWD3-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix (soil / water) Water Lab Sample ID: 20503300301

Level: (low / med) Date Received: 03/30/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	560			P
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	29.5	B		P
7440-41-7	Beryllium	0.2	U		P
7440-43-9	Cadmium	0.3	U		P
7440-70-2	Calcium	104000			P
7440-47-3	Chromium	1.5	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	814			P
7439-92-1	Lead	2.4	U		P
7439-95-4	Magnesium	23900			P
7439-96-5	Manganese	42.6			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	1.1	U		P
7440-09-7	Potassium	4020	B		P
7782-49-2	Selenium	4.4	U		P
7440-22-4	Silver	0.9	U		P
7440-23-5	Sodium	9320			P
7440-28-0	Thallium	6.3	U		P
7440-62-2	Vanadium	10.4	B		P
7440-66-6	Zinc	0.7	U		P
57-12-5	Cyanide	0.8	B		AS

UJ

6/29/05 MEA

Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWD3-1013 DUPE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix: (soil / water) Water Lab Sample ID: 20503300302

Level: (low / med) Date Received: 03/30/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1370			P
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	34.4	B		P
7440-41-7	Beryllium	0.2	U		P
7440-43-9	Cadmium	0.3	U		P
7440-70-2	Calcium	107000			P
7440-47-3	Chromium	1.5	U		P
7440-48-4	Cobalt	1.3	B		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	2510			P
7439-92-1	Lead	2.4	U		P
7439-95-4	Magnesium	24600			P
7439-96-5	Manganese	102			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	1.1	U		P
7440-09-7	Potassium	4150	B		P
7782-49-2	Selenium	4.4	U		P
7440-22-4	Silver	0.9	U		P
7440-23-5	Sodium	9420			P
7440-28-0	Thallium	6.3	U		P
7440-62-2	Vanadium	10.0	B		P
7440-66-6	Zinc	0.7	U		P
57-12-5	Cyanide	0.7	B		AS

UJ

6/29/05 mst

Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWD3-MS-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix (soil / water) Water Lab Sample ID: 20503300303

Level (low / med) Date Received: 03/30/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2730			P	
7440-36-0	Antimony	124			P	
7440-38-2	Arsenic	48.2			P	J
7440-39-3	Barium	2220			P	
7440-41-7	Beryllium	56.2			P	
7440-43-9	Cadmium	54.4			P	
7440-70-2	Calcium	100000			P	
7440-47-3	Chromium	220			P	
7440-48-4	Cobalt	536			P	
7440-50-8	Copper	269			P	
7439-89-6	Iron	1850			P	
7439-92-1	Lead	15.8			P	J
7439-95-4	Magnesium	22900			P	
7439-96-5	Manganese	602			P	
7439-97-6	Mercury	5.3			AV	J
7440-02-0	Nickel	532			P	
7440-09-7	Potassium	4070	B		P	
7782-49-2	Selenium	11.6			P	J
7440-22-4	Silver	55.7			P	
7440-23-5	Sodium	9560			P	
7440-28-0	Thallium	50.2			P	
7440-62-2	Vanadium	566			P	
7440-66-6	Zinc	534			P	
57-12-5	Cyanide	86.5			AS	

6/29/05 mg

Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWD3-MSD-1013 (DUP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix: (soil / water) Water Lab Sample ID: 20503300305

Level: (low / med) Date Received: 03/30/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	544			P
7440-36-0	Antimony	12.0	B		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	29.5	B		P
7440-41-7	Beryllium	0.2	U		P
7440-43-9	Cadmium	0.3	U		P
7440-70-2	Calcium	105000			P
7440-47-3	Chromium	1.5	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	803			P
7439-92-1	Lead	2.4	U		P
7439-95-4	Magnesium	24000			P
7439-96-5	Manganese	40.0			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	1.1	U		P
7440-09-7	Potassium	4090	B		P
7782-49-2	Selenium	4.4	U		P
7440-22-4	Silver	0.9	U		P
7440-23-5	Sodium	9940			P
7440-28-0	Thallium	6.3	U		P
7440-62-2	Vanadium	10.5	B		P
7440-66-6	Zinc	0.7	U		P
57-12-5	Cyanide	0.7	B		AS

UJ

6/29/05 MSU

Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWD3-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix (soil / water) Water Lab Sample ID: 20503300306

Level (low / med) Date Received: 03/30/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	65.5	B		P
7440-36-0	Antimony	25.0	B		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	24.4	B		P
7440-41-7	Beryllium	0.2	U		P
7440-43-9	Cadmium	0.3	U		P
7440-70-2	Calcium	93300			P
7440-47-3	Chromium	1.7	B		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	17.3	B		P
7439-92-1	Lead	2.4	U	N	P
7439-95-4	Magnesium	21400			P
7439-96-5	Manganese	20.5			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	1.1	U		P
7440-09-7	Potassium	3660	B		P
7782-49-2	Selenium	4.4	U	N	P
7440-22-4	Silver	0.9	U		P
7440-23-5	Sodium	8870			P
7440-28-0	Thallium	6.3	U		P
7440-62-2	Vanadium	10.0	B		P
7440-66-6	Zinc	0.7	U		P

US

US

6/29/05 mm

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWD3-1013 DUPE (DIS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix: (soil / water) Water Lab Sample ID: 20503300307

Level: (low / med) Date Received: 03/30/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	4.9	B		P	
7440-38-2	Arsenic	5.4	U		P	
7440-39-3	Barium	26.1	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	105000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	B		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U	N	P	U5
7439-95-4	Magnesium	24200			P	
7439-96-5	Manganese	21.9			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	3860	B		P	
7782-49-2	Selenium	4.4	U	N	P	U5
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	9580			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	8.9	B		P	
7440-66-6	Zinc	0.7	U		P	

c 12/9/05
MK

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWD3-MS-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix (soil / water) Water Lab Sample ID: 20503300308

Level: (low / med) Date Received: 03/30/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2220			P	
7440-36-0	Antimony	123			P	
7440-38-2	Arsenic	48.7			P	J
7440-39-3	Barium	2170			P	
7440-41-7	Beryllium	55.3			P	
7440-43-9	Cadmium	53.4			P	
7440-70-2	Calcium	102000			P	
7440-47-3	Chromium	216			P	
7440-48-4	Cobalt	536			P	
7440-50-8	Copper	269			P	
7439-89-6	Iron	1100			P	
7439-92-1	Lead	14.5		N	P	UJ
7439-95-4	Magnesium	24000			P	
7439-96-5	Manganese	578			P	
7439-97-6	Mercury	5.5			AV	J
7440-02-0	Nickel	530			P	
7440-09-7	Potassium	3980	B		P	
7782-49-2	Selenium	7.2		N	P	J
7440-22-4	Silver	55.0			P	
7440-23-5	Sodium	9820			P	
7440-28-0	Thallium	50.3			P	
7440-62-2	Vanadium	553			P	
7440-66-6	Zinc	518			P	

6/28/05 AA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWD3-MSD-1013 DUP (

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205033003

Matrix: (soil / water) Water Lab Sample ID: 20503300309

Level: (low / med) Date Received: 03/30/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	10.7	B		P	
7440-38-2	Arsenic	5.4	U		P	
7440-39-3	Barium	26.4	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	105000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.7	B		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U	N	P	UJ
7439-95-4	Magnesium	24600			P	
7439-96-5	Manganese	21.7			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	3930	B		P	
7782-49-2	Selenium	4.4	U	N	P	UJ
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	9240			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	10.1	B		P	
7440-66-6	Zinc	0.7	U		P	

6/29/05 MSK

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
Earth Tech	4342	205033003	4-13-05

Report to:
Client: EARTH TECH
Address: 2373 PROGRESS DR.
Hebron, KY 41048
Contact: PAT HIGGINS
Phone: 859-442-2500
Fax: 859-442-2311

Bill to:
Client: Glenn Springs
Address: contract
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: SKINNER Landfill - 1st Qtr .05
Sampled By: Roger Huth / GARY Phelps

Analytical Requests & Method

Lab use only:
Custody Seal
used ☒ yes ☐ no
In tact ☒ yes ☐ no
Temperature °C 6

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Volatiles	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	CYANIDE		DISS	Remarks:	Lab ID 3/30
W	3/29	1133		X	SKSWD3-MS-1013	Various	10	X	X	X	X	X	X	X		-8	Refer to Table -3	
W	3/29	1152		X	SKSWD3-MSD-1013	"	4	1	1	1	1	1	1	1		-9	7 (TCL) and	-4 Dup -5
																	Table 8 (TAC)	
																	of the final	
																	O&M Plan	
																	for the list	
																	of analytes	

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger E Huth	FED EX	3/29/05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex 7904 7123 2350 7904 7123 2359	[signature]	3-30-05	915
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: SAMPLES SENT VIA FED EX STANDARD TURNAROUND

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

000398

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 54280

LABORATORY REPORT NUMBER 205031513

PROJECT MANAGER: Ron Rolker

Date: May 16, 2005

Data Validator: Mark Kromis

LIST OF ACRONYMS

BFB	Bromofluorobenzene
CC	Continuing Calibration
CCV	Continuing Calibration Verification
CCB	Continuing Calibration Blanks
CLP	Contract Laboratory Program
CRDL	Contract Required Detection Limit
DFTPP	Decafluorotriphenylphosphine
GC/MS	Gas Chromatograph/Mass Spectrometer
IC	Initial Calibration
ICB	Initial Calibration Blank
IDL	Instrument Detection Limit
ICP	Inductively Coupled Plasma
ICS	Interference Check Sample
ICV	Initial Calibration Verification
ILM	Inorganic Analysis Multi-Media Multi-Concentration
INDAM	Individual A Mixture
INDBM	Individual B Mixture
mg/L	milligrams per liter
MS/MSD	Matrix Spike/Matrix Spike Duplicate
OLC	Organic Analysis Low Concentration
OLM	Organic Analysis Multi-Media Multi-Concentration
%D	Percent Difference
% RSD	Percent Relative Standard Deviation
PB	Preparation Blanks
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RRF	Relative Response Factor
SDG	Sample Delivery Group
SOW	Statement of Work
µg/L	micrograms per liter
US EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds
VTSR	Validated Time of Sample Receipt

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205031513 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 205031513.

GCAL #	Sample Description
20503151301	SKSW51-1013
20503151302	SKSW51-1013 DUP
20503151303	SKSW51-1013 (DISS)
20503151304	SKSW51-1013 DUP (DISS)
20503151306	SKSW52-1013
20503151307	SKSW50-1013
20503151308	SKSW52-1013(DISS)
20503151309	SKSW50-1013 (DISS)
20503151310	SKSW50MS-1013
20503151313	SKSWEB-1013
20503151314	SKSW50MS-1013 (DISS)
20503151316	SKSWEB-1013 (DISS)

INTRODUCTION

Analyses of metals were performed according to Contract Laboratory Program (CLP)-Inorganic Analysis Multi-media Multi-concentration ILM04.1 Statement of Work (SOW). Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values maybe used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the inorganics data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. Calibration
   A. Initial Calibration (IC)
   B. Continuing Calibration (CC)
3. Blanks
4. Inductively Coupled Plasma (ICP) Interference Check Sample
5. Laboratory Control Sample (LCS)
6. Duplicate Analysis
7. Spike Sample Analysis
8. ICP Serial Dilution
9. System Performance
10. Documentation
11. Overall Assessment

1. HOLDING TIMES

All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol. Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. CALIBRATION

A. Initial Calibration

The percent recoveries for the Initial Calibration Verification (ICV) standard were within Quality Control (QC) limits for all constituents.

B. Continuing Calibration

The percent recoveries for the Continuing Calibration Verification (CCV) standard were within QC limits for all constituents.

3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL) with the exception of Selenium in the PB and CCB's #2, #4, #5, #7, and #8. As per the National Functional Guidelines, if the absolute value of the CCB result exceeds the CRDL, the analysis should have been terminated. If the absolute value of the concentration of the PB is less than or equal to the CRDL, no correction of the sample results is performed. If any analyte concentration in the PB is above the CRDL, the lowest concentration of that analyte in the associated samples must be 10 times the PB concentration. Otherwise, all samples associated with that blank should have been redigested and reanalyzed. The samples were not re-digested therefore this deficiency was used along with the remaining supporting documentation to qualify the results.

4. ICP INTERFERENCE CHECK SAMPLE

Results for the ICP analysis of the Interference Check Sample (ICS) solution AB were within 20% of the true value.

5. LABORATORY CONTROL SAMPLES

Recoveries were within the control limit (80-120%) for all constituents.

6. DUPLICATE ANALYSIS

The laboratory used sample SKSW501010 for the duplicate sample. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target compounds.

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SKSW501013 and SKSW501013 (dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Arsenic (138%) and Selenium (0%) in the total fraction and Arsenic (142%), Thallium (66%), and Selenium (0%) in the dissolved fraction. As per the National Functional Guidelines: if the percent recovery is greater than 125% qualify detected results for that analyte with "J". If the percent recovery is less than 75% but greater than 30% then qualify detected results for that analyte with "J" and non-detected results with "UJ". If the percent recovery is less than 30% then qualify detected results for that analyte with "J" and non-detected results with "R".

8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes.

9. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

10. DOCUMENTATION

The CCAL standards for cyanide were reported low by a factor of 10. The data validator manually made the correction.

11. OVERALL ASSESSMENT

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards were 126.5%, 146%, 138.5%, 122%, and 126.5%.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards were 88.3%, 61.7%, 86.7%, 65%, and 98.3%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards were 103%, 108%, 127%, 97%, and 59%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards were 69%, 109%, 93%, 112, and 98.5%. The samples were bracketed by CRDL standards number 3, 4, and 5 therefore the Thallium results were not qualified do the low recovery of the first CRDL.

If the CRDL is greater than 120% then detected results greater than the IDL but less than two times the CRDL are qualified as estimated with "J". If the CRDL is below 80% then detected results are qualified as estimated with "J" and the non-detected results were qualified with "UJ".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205031513 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 205031513.

GCAL #	Sample Description
20503151301	SKSW51-1013
20503151302	SKSW51-1013 DUP
20503151306	SKSW52-1013
20503151307	SKSW50-1013
20503151310	SKSW50MS-1013
20503151311	SKSW50MSD-1013
20503151313	SKSWEB-1013

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various data qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U — The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the semivolatile data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. GC/MS Tuning
3. Calibration
   A. IC
   B. CC
4. Blanks
5. System Monitoring Compound Recovery
6. MS/MSD
7. Internal Standards Performance
8. Compound Identification
9. Constituent Quantitation and Reported Detection Limits
10. System Performance
11. Documentation
12. Overall Assessment

1. HOLDING TIMES

All samples were initially extracted within the seven-day technical holding time and the five-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. One decafluorotriphenylphosphine (DFTPP) tune was run representing the shift in which the standards and samples were analyzed. The DFTPP tune is acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 3/30/05 was analyzed in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent % RSD values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF were within the acceptance criteria specified in the method for all reported analytes. The %RSD's were within the acceptance criteria specified in the method for all target analytes with the exception of Diethylphthalate (44.5%). The lowest point of the calibration curve was dropped for Diethylphthalate and the %RSD was recalculated. The recalculated %RSD was within the acceptance criteria of less than 30%. Diethylphthalate were not detected in the associated samples therefore data qualification was not required.

B. Continuing Calibration

One CC dated 3/30/05 was analyzed in support of the semivolatile sample analyses reported in the data submissions. The RRF's for the CC's were within the acceptance criteria. The percent difference (%D) between the average RRF's and the CC Response Factors were within the acceptance criteria.

4. BLANKS

One laboratory semivolatile method blank and equipment blank were analyzed with this SDG. The results are summarized below.

<u>Method Blank (229410SBLK)</u>

Bis-(2-ethylhexyl) phthalate (0.735 ppb) was detected in the blank extracted on 3/17/05.

<u>Equipment Blank (SKSWEB1013)</u>

There were no target compounds detected in equipment collected on 3/16/05.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample SKSW5501013 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of the 4-Nitrophenol associated with the MS. The %RPD between the MS/MSD are within the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

7. INTERNAL STANDARDS PERFORMANCE

Internal standard areas and retention times were within acceptable limits for the reported semivolatile sample analyses.

8. COMPOUND IDENTIFICATION

All reported semivolatile constituents were correctly identified with supporting chromatograms present in the data package.

9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

10. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data submitted for review.

11. DOCUMENTATION

The documentation appeared accurate and in order.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205031513 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 205031513.

GCAL #	Sample Description
20503151301	SKSW51-1013
20503151302	SKSW51-1013 DUP
20503151306	SKSW52-1013
20503151307	SKSW50-1013
20503151310	SKSW50MS-1013
20503151311	SKSW50MSD-1013
20503151313	SKSWEB-1013

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The volatiles data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. GC/MS Tuning
3. Calibration
   A. IC
   B. CC
4. Blanks
5. System Monitoring Compound Recovery
6. MS/MSD
7. Laboratory Control Sample
8. Internal Standards Performance
9. Compound Identification
10. Constituent Quantitation and Reported Detection Limits
11. System Performance
12. Documentation
13. Overall Assessment

1. HOLDING TIMES

All samples for Volatile Organic Compounds (VOC) analyses were analyzed within the 14-day technical holding time and the 10-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/MS TUNING

The samples were analyzed on one GC/MS system, identified as MSV4. Two bromofluorobenzene (BFB) tunes were run. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

Two IC's dated 3/17/05 and 3/24/05 were analyzed on instrument MSV4 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds. The %RSD's were within the acceptance criteria specified in the method for all target analytes.

The RRF's and the average RRF for the IC's dated 3/17/05 and 3/24/05 were within the acceptance criteria specified in the method for all target analytes with the exception of Acetone and 2-Butanone. The %RSD's were within the acceptance criteria specified in the method for all target analytes. As per the National Functional Guidelines, if any initial calibration RRF is less than 0.05, qualify positive results that have acceptable mass spectral identification with "J", using professional judgement, and non-detected analytes as unusable (R). It should be noted that the laboratory did meet the minimum RRF of 0.01 for all target compounds.

B. Continuing Calibration

Two CC's dated 3/17/05 and 3/24/05 were analyzed on instrument MSV4 in support of the volatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRF's and the CC RF's were within the acceptance criteria for all target analytes. The CC RRF's were within the acceptance criteria specified in the method for all target analytes with the exception of Acetone and 2-Butanone associated with the CC's dated 3/17/05 and 3/24/05. The Acetone and 2-Butanone results were previously qualified under section 3A above.

4. BLANKS

Two laboratory volatile method blanks, storage blank, and Field Blank, were analyzed with this SDG. The results are summarized below.

<u>MB229511</u>

There were no target analytes detected in the method blank analyzed on 3/17/05.

<u>MB230626</u>

There were no target analytes detected in the method blank analyzed on 3/24/05.

Storage Blank (VHBLK01)

There were no target analytes detected in the storage blank analyzed on 3/17/05.

Equipment Blank (SKGWEB1013)

Acetone (3.9ppb) and Methylene chloride (0.38 ppb) were detected in the Equipment Blank collected on 3/16/05.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds were recovered within acceptable control limits (80%-120%) for all samples.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKSW501013 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

A LCS/LCS duplicate and a LCS were analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

8. INTERNAL STANDARDS PERFORMANCE

Internal Standard (IS) areas and retention times were within acceptable limits for the reported volatile sample analyses.

9. COMPOUND IDENTIFICATION

All reported VOCs were correctly identified with supporting chromatograms present in the data package.

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

12. DOCUMENTATION

The documentation appeared accurate and in order.

13. OVERALL ASSESSMENT

The data validator suspects that the Acetone detected in sample SKSW501013 is probably a result from laboratory contamination because Acetone is a common laboratory contaminant and Acetone was detected in the associated equipment blank. The data validator therefore qualified the Acetone result in sample SKSW501013 with an "R". The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 205031513 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 205031513.

GCAL #	Sample Description
20503151301	SKSW51-1013
20503151302	SKSW51-1013 DUP
20503151306	SKSW52-1013
20503151307	SKSW50-1013
20503151310	SKSW50MS-1013
20503151311	SKSW50MSD-1013
20503151312	SKSW50MSD-1013 (DUP)
20503151313	SKSWEB-1013

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the pesticide data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. Gas Chromatograph/Electronic Capture Detector (GC/ECD) Instrument Performance Check
3. IC
4. Calibration Verification
5. Blanks
6. Surrogate Spikes
7. Matrix Spike/Matrix Spike Duplicate (MS/MSD)
8. Pesticide Cleanup Checks
9. Target Compound Identification
10. Constituent Quantitation and Reported Detection Limits
11. Documentation
12. Overall Assessment

1. HOLDING TIMES

All samples were originally extracted within the seven-day technical holding time and the five-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits.

The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check.

The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM). The percent breakdown for both 4,4'-DDT and Endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and Endrin in each PEM was less than 30.0% for both GC columns.

3. INITIAL CALIBRATION

Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria with the exception of gamma-chlordane analyzed 3/28-30/05 (DB-XLB-30M). The data validator qualified the detected results for gamma-chlordane with "J" and the non-detected results for gamma-chlordane with "UJ".

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20% for the samples analyzed on 3/29/05. The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20% with the exception of alpha-BHC (23.2%) and delta-BHC (22.0%) associated with the samples analyzed on 3/30/05 (DB-35MS-30M). The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks. As per the National Functional Guidelines, up to two single component target pesticides (other than the surrogates) per column may exceed the 20% limit but the %RSD must be less than 30.0%.

4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent with the exception of Endrin, 4,4'-DDT, and TCX for the calibration dated 3/30/05 on column DB-35MS-30M. The percent difference for each of the pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures A and B was within the acceptance criteria of ±25.0 percent. As per the National Functional Guidelines, if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all associated detected results with "J" and non-detects with "UJ". The analytical run dated 3/28-29/05 was used to report the sample results therefore the results were not qualified for the discrepancy noted above.

5. BLANKS

One laboratory method blank and an Equipment blank were analyzed with this SDG. The results are summarized below.

Method Blank 229443

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 3/17/05.

Equipment Blank SKSWEB1013

No constituents were detected above the laboratory-reporting limit in the equipment blank collected on 3/16/05.

6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples.

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKSW501013 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of Dieldrin and Lindane in the MS. The %RPD's between the MS/MSD were within the acceptance criteria with the exception of Lindane. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

9. TARGET COMPOUND IDENTIFICATION

All reported pesticide data were correctly identified with supporting chromatograms present in the data package.

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for pesticide constituents.

11. DOCUMENTATION

The following documentation was either missing or had problems associated with the quantification:

Form VII

INDAM02	3/29/05	1834	was not included in the original data submission
INDBM03	3/29/05	1856	was not included in the original data submission
INDAM03	3/30/05	0109	was not included in the original data submission
INDBM03	3/30/05	0131	was not included in the original data submission

Form IV

RESC01 (gamma-chlordane) results were incorrectly quantified

The data validator contacted GCAL and requested the missing information and the Form IV corrected.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

REFERENCES

US EPA, 1994. *National Functional Guidelines for Inorganic Data Review.*

US EPA, 1999. *National Functional Guidelines for Organic Data Review.*

NELAP CERTIFICATE NUMBER 01955

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 04/01/2005

GCAL Report 205031513

Deliver To	Earth Tech 2373 Progress St Hebron, KY 41048 859-442-2300
Attn	Pat Higgins

Customer Earth Tech

Project Skinner Landfill

000001

CASE NARRATIVE

Client: Earth Tech **Report:** 205031513

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 288951, the MS recovery for 4-Nitrophenol is above the upper control limit.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis, the PEM before the calibration on 03/30/2005, GCSV3AD, data file SV3002, failed QC limits. The remaining PEM's were within acceptable QC limits.

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 288958, the MS/MSD exhibited sporadic recovery and RPD failures.

METALS

In the ILM04.1 - CLP Metals analysis for prep batch 289162, the MS recoveries were outside the control limits for Arsenic and Selenium. The LCS recoveries were within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The sample/duplicate RPD for Antimony, Arsenic, and Zinc is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

In the ILM04.1 - CLP Metals analysis for prep batch 289163, the MS recoveries were outside the control limits for Arsenic, Selenium, and Thallium. The LCS recoveries were within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The sample/duplicate RPD for Antimony is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Curtis Ekker

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 205031513

THIS REPORT CONTAINS 606 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Tim
20503151301	SKSW51-1013	Water	03/14/2005 14:55	03/15/2005 09:30
20503151302	SKSW51-1013 DUP	Water	03/14/2005 15:10	03/15/2005 09:30
20503151303	SKSW51-1013 (DISS)	Water	03/14/2005 14:55	03/15/2005 09:30
20503151304	SKSW51-1013 DUP (DISS)	Water	03/14/2005 15:10	03/15/2005 09:30
20503151305	VHBLK	Water		03/15/2005 09:30
20503151306	SKSW52-1013	Water	03/15/2005 11:10	03/16/2005 09:15
20503151307	SKSW50-1013	Water	03/15/2005 12:10	03/16/2005 09:15
20503151308	SKSW52-1013 (DISS)	Water	03/15/2005 11:10	03/16/2005 09:15
20503151309	SKSW50-1013 (DISS)	Water	03/15/2005 12:10	03/16/2005 09:15
20503151310	SKSW50MS-1013	Water	03/15/2005 14:20	03/17/2005 08:50
20503151311	SKSW50MSD-1013	Water	03/15/2005 15:00	03/17/2005 08:50
20503151312	SKSW50MSD-1013(DUP)	Water	03/15/2005 15:00	03/17/2005 08:50
20503151313	SKSWEB-1013	Water	03/16/2005 11:45	03/17/2005 08:50
20503151314	SKSW50MS-1013(DISS)	Water	03/15/2005 14:20	03/17/2005 08:50
20503151315	SKSW50MSD-1013(DISS)DUP	Water	03/15/2005 14:20	03/17/2005 08:50
20503151316	SKSWEB-1013(DISS)	Water	03/15/2005 11:45	03/17/2005 08:50

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW51-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151301

Level: (low/med) Lab File ID: 2050317/U1135

% Moisture: not dec. Date Collected: 03/14/05 Time: 1455

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1925

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

8/27/05
MSM

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW51-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151301

Level: (low/med) Lab File ID: 2050317/U1135

% Moisture: not dec. Date Collected: 03/14/05 Time: 1455

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1925

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKSW51-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: Water Lab Sample ID: 20503151301

Sample wt/vol: Units: Lab File ID: 2050317/U1135

Level: (low/med) Date Collected: 03/14/05 Time: 1455

% Moisture: not dec. Date Received: 03/15/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/17/05 Time: 1925

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW51-1013 DUP

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151302

Level: (low/med) Lab File ID: 2050317/U1136

% Moisture: not dec. Date Collected: 03/14/05 Time: 1510

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1949

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

FORM I VOA

5/27/05 MSC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW51-1013 DUP

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151302

Level: (low/med) Lab File ID: 2050317/U1136

% Moisture: not dec. Date Collected: 03/14/05 Time: 1510

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 1949

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKSW51-1013 DUP

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: Water Lab Sample ID: 20503151302

Sample wt/vol: Units: Lab File ID: 2050317/U1136

Level: (low/med) Date Collected: 03/14/05 Time: 1510

% Moisture: not dec. Date Received: 03/15/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/17/05 Time: 1949

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: *0*

CONCENTRATION UNITS:

	CAS NO.	*COMPOUND*	*RT*	*EST. CONC.*	*Q*
1.		No tics detected			

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW52-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151306

Level: (low/med) Lab File ID: 2050317/U1138

% Moisture: not dec. Date Collected: 03/15/05 Time: 1110

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/16/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 2039

Soil Extract Volume: - (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

5/27/05 MSA

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW52-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151306

Level: (low/med) Lab File ID: 2050317/U1138

% Moisture: not dec. Date Collected: 03/15/05 Time: 1110

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/16/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 2039

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKSW52-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: Water Lab Sample ID: 20503151306

Sample wt/vol: Units: Lab File ID: 2050317/U1138

Level: (low/med) Date Collected: 03/15/05 Time: 1110

% Moisture: not dec. Date Received: 03/16/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/17/05 Time: 2039

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW50-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151307

Level: (low/med) Lab File ID: 2050323P/U1388

% Moisture: not dec. Date Collected: 03/15/05 Time: 1210

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/16/05

Instrument ID: MSV4 Date Analyzed: 03/24/05 Time: 0618

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 289351

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	2.2	J	0.010	5.0	~~J~~ R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

5/24/05
MSR

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW50-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151307

Level: (low/med) Lab File ID: 2050323P/U1388

% Moisture: not dec. Date Collected: 03/15/05 Time: 1210

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/16/05

Instrument ID: MSV4 Date Analyzed: 03/24/05 Time: 0618

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 289351

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKSW50-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: Water Lab Sample ID: 20503151307

Sample wt/vol: Units: Lab File ID: 2050323P/U1388

Level: (low/med) Date Collected: 03/15/05 Time: 1210

% Moisture: not dec. Date Received: 03/16/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/24/05 Time: 0618

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

FORM VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSWEB-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151313

Level: (low/med) Lab File ID: 2050317/U1139

% Moisture: not dec. Date Collected: 03/16/05 Time: 1145

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 2103

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	3.9	J	0.010	5.0	J
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

5/27/05 PSA

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSWEB-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151313

Level: (low/med) Lab File ID: 2050317/U1139

% Moisture: not dec. Date Collected: 03/16/05 Time: 1145

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/05

Instrument ID: MSV4 Date Analyzed: 03/17/05 Time: 2103

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 288979

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	0.38	J	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKSWEB-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: Water Lab Sample ID: 20503151313

Sample wt/vol: Units: Lab File ID:

Level: (low/med) Date Collected: 03/16/05 Time: 1145

% Moisture: not dec. Date Received: 03/17/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/17/05 Time: 2103

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		No tics detected			

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW50MS-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151310

Level: (low/med) Lab File ID: 2050323P/U1389

% Moisture: not dec. Date Collected: 03/15/05 Time: 1420

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/05

Instrument ID: MSV4 Date Analyzed: 03/24/05 Time: 0726

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 289351

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	4.4		0.010	1.0
106-93-4	1,2-Dibromoethane	4.5		0.010	1.0
107-06-2	1,2-Dichloroethane	4.3		0.010	1.0
78-87-5	1,2-Dichloropropane	4.9		0.010	1.0
106-46-7	1,4-Dichlorobenzene	4.8		0.010	1.0
71-43-2	Benzene	5.2		0.010	1.0
75-25-2	Bromoform	4.5		0.010	1.0
56-23-5	Carbon tetrachloride	5.2		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	4.6		0.010	1.0
127-18-4	Tetrachloroethene	5.2		0.010	1.0
79-01-6	Trichloroethene	4.9		0.010	1.0
75-01-4	Vinyl chloride	5.3		0.010	1.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW50MSD-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20503151311

Level: (low/med) Lab File ID: 2050323P/U1390

% Moisture: not dec. Date Collected: 03/15/05 Time: 1500

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/05

Instrument ID: MSV4 Date Analyzed: 03/24/05 Time: 0750

Soil Extract Volume: (µL) Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 289351

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	4.7		0.010	1.0
106-93-4	1,2-Dibromoethane	4.8		0.010	1.0
107-06-2	1,2-Dichloroethane	4.6		0.010	1.0
78-87-5	1,2-Dichloropropane	5.1		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.2		0.010	1.0
71-43-2	Benzene	5.1		0.010	1.0
75-25-2	Bromoform	5.1		0.010	1.0
56-23-5	Carbon tetrachloride	5.0		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	4.9		0.010	1.0
127-18-4	Tetrachloroethene	5.2		0.010	1.0
79-01-6	Trichloroethene	4.9		0.010	1.0
75-01-4	Vinyl chloride	5.7		0.010	1.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW51-1013
Contract:
Lab File ID: 2050330/B7259
Lab Sample ID: 20503151301
Date Collected: 03/14/05 Time: 1455
Date Received: 03/15/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1505
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 288570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW51-1013

Contract:

Lab File ID: 2050330/B7259

Lab Sample ID: 20503151301

Date Collected: 03/14/05 Time: 1455

Date Received: 03/15/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1505

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~0.990~~	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

U

5/12/05 MSM

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW51-1013
Contract:
Lab File ID: 2050330/B7259
Lab Sample ID: 20503151301
Date Collected: 03/14/05 Time: 1455
Date Received: 03/15/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1505
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 288570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: Units:
Level: (low/med)
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW51-1013
Contract:
Lab File ID: 2050330/B7259
Lab Sample ID: 20503151301
Date Collected: 03/14/05 Time: 1455
Date Received: 03/15/05
Date Extracted:
Date Analyzed: 03/30/05 Time: 1505
Dilution Factor: 1 Analyst: JAR3
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-02-6	Cyclopentasiloxane, decamethyl	1.922	2.85	
2.	106-62-7	1-Propanol, 2-(2-hydroxypropox	2.021	2.19	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW51-1013 DUP
Contract:
Lab File ID: 2050330/B7260
Lab Sample ID: 20503151302
Date Collected: 03/14/05 Time: 1510
Date Received: 03/15/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1524
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 288570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW51-1013 DUP

Contract:

Lab File ID: 2050330/B7260

Lab Sample ID: 20503151302

Date Collected: 03/14/05 Time: 1510

Date Received: 03/15/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1524

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW51-1013 DUP

Contract:

Lab File ID: 2050330/B7260

Lab Sample ID: 20503151302

Date Collected: 03/14/05 Time: 1510

Date Received: 03/15/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1524

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: Units:
Level: (low/med)
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW51-1013 DUP
Contract:
Lab File ID: 2050330/B7260
Lab Sample ID: 20503151302
Date Collected: 03/14/05 Time: 1510
Date Received: 03/15/05
Date Extracted:
Date Analyzed: 03/30/05 Time: 1524
Dilution Factor: 1 Analyst: JAR3
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-02-6	Cyclopentasiloxane, decamethyl	1.922	2.22	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW52-1013
Contract:
Lab File ID: 2050330/B7261
Lab Sample ID: 20503151308
Date Collected: 03/15/05 Time: 1110
Date Received: 03/16/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1543
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 288570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW52-1013

Contract:

Lab File ID: 2050330/B7261

Lab Sample ID: 20503151306

Date Collected: 03/15/05 Time: 1110

Date Received: 03/16/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1543

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~0.680~~	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW52-1013
Contract:
Lab File ID: 2050330/B7261
Lab Sample ID: 20503151306
Date Collected: 03/15/05 Time: 1110
Date Received: 03/16/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1543
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: Units:
Level: (low/med)
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW52-1013
Contract:
Lab File ID: 2050330/B7261
Lab Sample ID: 20503151306
Date Collected: 03/15/05 Time: 1110
Date Received: 03/16/05
Date Extracted:
Date Analyzed: 03/30/05 Time: 1543
Dilution Factor: 1 Analyst: JAR3
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-02-6	Cyclopentasiloxane, decamethyl	1.922	3.17	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW50-1013
Contract:
Lab File ID: 2050330/B7262
Lab Sample ID: 20503151307
Date Collected: 03/15/05 Time: 1210
Date Received: 03/16/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1602
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW50-1013

Contract:

Lab File ID: 2050330/B7262

Lab Sample ID: 20503151307

Date Collected: 03/15/05 Time: 1210

Date Received: 03/16/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1602

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW50-1013
Contract:
Lab File ID: 2050330/B7262
Lab Sample ID: 20503151307
Date Collected: 03/15/05 Time: 1210
Date Received: 03/16/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1602
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW50-1013

Contract:

Lab File ID: 2050330/B7262

Lab Sample ID: 20503151307

Date Collected: 03/15/05 Time: 1210

Date Received: 03/16/05

Date Extracted:

Date Analyzed: 03/30/05 Time: 1602

Dilution Factor: 1 Analyst: JAR3

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-02-6	Cyclopentasiloxane, decamethyl	1.922	1.91	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSWEB-1013
Contract:
Lab File ID: 2050330/B7265
Lab Sample ID: 20503151313
Date Collected: 03/16/05 Time: 1145
Date Received: 03/17/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1700
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 288570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSWEB-1013

Contract:

Lab File ID: 2050330/B7265

Lab Sample ID: 20503151313

Date Collected: 03/16/05 Time: 1145

Date Received: 03/17/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1700

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SKSWEB-1013

Contract:

Lab File ID: 2050330/B7285

Lab Sample ID: 20503151313

Date Collected: 03/16/05 Time: 1145

Date Received: 03/17/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1700

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 288570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: Units:
Level: (low/med)
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSWEB-1013
Contract:
Lab File ID: 2050330/B7265
Lab Sample ID: 20503151313
Date Collected: 03/16/05 Time: 1145
Date Received: 03/17/05
Date Extracted:
Date Analyzed: 03/30/05 Time: 1700
Dilution Factor: 1 Analyst: JAR3
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 3

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-02-6	Cyclopentasiloxane, decamethyl	1.922	2.76	
2.	1640-89-7	Cyclopentane, ethyl-	1.953	2.01	
3.		Unknown	2.001	1.92	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No. 205031513
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW50MS-1013
Contract:
Lab File ID: 2050330/B7263
Lab Sample ID: 20503151310
Date Collected: 03/15/05 Time: 1420
Date Received: 03/17/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1621
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	43.4		0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	74.8		0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	71.6		0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	44.8		0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW50MS-1013

Contract:

Lab File ID: 2050330/B7263

Lab Sample ID: 20503151310

Date Collected: 03/15/05 Time: 1420

Date Received: 03/17/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1621

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	65.4		0.010	25.0
87-86-5	Pentachlorophenol	74.1		0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	64.8		0.010	10.0
129-00-0	Pyrene	44.1		0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	41.3		0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW50MS-1013

Contract:

Lab File ID: 2050330/B7263

Lab Sample ID: 20503151310

Date Collected: 03/15/05 Time: 1420

Date Received: 03/17/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1621

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW50MSD-1013

Contract:

Lab File ID: 2050330/B7264

Lab Sample ID: 20503151311

Date Collected: 03/15/05 Time: 1500

Date Received: 03/17/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1641

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	39.9		0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	70.0		0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	66.5		0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	40.9		0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205031513
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SKSW50MSD-1013
Contract:
Lab File ID: 2050330/B7264
Lab Sample ID: 20503151311
Date Collected: 03/15/05 Time: 1500
Date Received: 03/17/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 1641
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 288951 Analytical Batch: 289570

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	1.21	J	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	60.1		0.010	25.0
87-86-5	Pentachlorophenol	64.3		0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	62.5		0.010	10.0
129-00-0	Pyrene	43.7		0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	39.2		0.010	10.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205031513

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SKSW50MSD-1013

Contract:

Lab File ID: 2050330/B7264

Lab Sample ID: 20503151311

Date Collected: 03/15/05 Time: 1500

Date Received: 03/17/05

Date Extracted: 03/17/05

Date Analyzed: 03/30/05 Time: 1641

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 288951 Analytical Batch: 289570

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288958 Analytical Batch: 289610

Sample ID: SKSW50MS-1013
Contract:
SAS No.: SDG No.: 205031513
Lab Sample ID: 20503151310
Date Collected: 03/15/05 Time: 1420
Date Received: 03/17/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 0003
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A
Lab File ID: 2050329/SV8029

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.043	J	0.00010	0.100
72-55-9	4,4'-DDE	0.113		0.00010	0.100
50-29-3	4,4'-DDT	0.634		0.00010	0.100
309-00-2	Aldrin	0.328		0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.500		0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.683		0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.031	J	0.00010	0.100
76-44-8	Heptachlor	0.296		0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.251		0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288958 Analytical Batch: 289610

Sample ID: SKSW50MSD-1013
Contract:
SAS No.: SDG No.: 205031513
Lab Sample ID: 20503151311
Date Collected: 03/15/05 Time: 1500
Date Received: 03/17/05
Date Extracted: 03/17/05
Date Analyzed: 03/30/05 Time: 0025
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050329/SV8030

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.050	J	0.00010	0.100
72-55-9	4,4'-DDE	0.153		0.00010	0.100
50-29-3	4,4'-DDT	0.717		0.00010	0.100
309-00-2	Aldrin	0.363		0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.549		0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.777		0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.039	J	0.00010	0.100
76-44-8	Heptachlor	0.343		0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.296		0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288958 Analytical Batch: 289610

Sample ID: SKSW51-1013
Contract:
SAS No.: SDG No.: 205031513
Lab Sample ID: 20503151301
Date Collected: 03/14/05 Time: 1455
Date Received: 03/15/05
Date Extracted: 03/17/05
Date Analyzed: 03/29/05 Time: 2130
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050329/SV8022

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

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5/31/05

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-XLB-30M ID: .32 (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 288958 Analytical Batch: 289610

CONCENTRATION UNITS: ug/L

Sample ID: SKSW51-1013 DUP

Contract:

SAS No.: SDG No.: 205031513

Lab Sample ID: 20503151302

Date Collected: 03/14/05 Time: 1510

Date Received: 03/15/05

Date Extracted: 03/17/05

Date Analyzed: 03/29/05 Time: 2152

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

Lab File ID: 2050329/SV8023

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

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5/31/05 MSC

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288958 Analytical Batch: 289610

Sample ID: SKSW52-1013
Contract:
SAS No.: SDG No.: 205031513
Lab Sample ID: 20503151306
Date Collected: 03/15/05 Time: 1110
Date Received: 03/16/05
Date Extracted: 03/17/05
Date Analyzed: 03/29/05 Time: 2213
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A
Lab File ID: 2050329/SV8024

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

5/31/05

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288958 Analytical Batch: 289610

Sample ID: SKSW50-1013
Contract:
SAS No.: SDG No.: 205031513
Lab Sample ID: 20503151307
Date Collected: 03/15/05 Time: 1210
Date Received: 03/16/05
Date Extracted: 03/17/05
Date Analyzed: 03/29/05 Time: 2235
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050329/SV8025

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

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1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: DB-XLB-30M ID: .32 (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 288958 Analytical Batch: 289610

Sample ID: SKSWEB-1013
Contract:
SAS No.: SDG No.: 205031513
Lab Sample ID: 20503151313
Date Collected: 03/16/05 Time: 1145
Date Received: 03/17/05
Date Extracted: 03/17/05
Date Analyzed: 03/29/05 Time: 2341
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS8A
Lab File ID: 2050329/SV8028

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.00010	0.100
72-55-9	4,4'-DDE	0.100	U	0.00010	0.100
50-29-3	4,4'-DDT	0.100	U	0.00010	0.100
309-00-2	Aldrin	0.050	U	0.00010	0.050
12674-11-2	Aroclor-1016	1.00	U	0.00010	1.00
11104-28-2	Aroclor-1221	2.00	U	0.00010	2.00
11141-16-5	Aroclor-1232	1.00	U	0.00010	1.00
53469-21-9	Aroclor-1242	1.00	U	0.00010	1.00
12672-29-6	Aroclor-1248	1.00	U	0.00010	1.00
11097-69-1	Aroclor-1254	1.00	U	0.00010	1.00
11096-82-5	Aroclor-1260	1.00	U	0.00010	1.00
60-57-1	Dieldrin	0.100	U	0.00010	0.100
959-98-8	Endosulfan I	0.050	U	0.00010	0.050
33213-65-9	Endosulfan II	0.100	U	0.00010	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.00010	0.100
72-20-8	Endrin	0.100	U	0.00010	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.00010	0.100
53494-70-5	Endrin ketone	0.100	U	0.00010	0.100
76-44-8	Heptachlor	0.050	U	0.00010	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.00010	0.050
72-43-5	Methoxychlor	0.500	U	0.00010	0.500
8001-35-2	Toxaphene	5.00	U	0.00010	5.00
319-84-6	alpha-BHC	0.050	U	0.00010	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.00010	0.050
319-85-7	beta-BHC	0.050	U	0.00010	0.050
319-86-8	delta-BHC	0.050	U	0.00010	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.00010	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.00010	0.050

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GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 04/01/2005

GCAL Report 205031513

Deliver To	Earth Tech 2373 Progress St Hebron, KY 41048 859-442-2300
Attn	Pat Higgins

Customer Earth Tech

Project Skinner Landfill

RESUBMITTED

CASE NARRATIVE

Client: Earth Tech **Report:** 205031513

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

This report is being resubmitted on 06/17/05.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 288951, the MS recovery for 4-Nitrophenol is above the upper control limit.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis, the PEM before the calibration on 03/30/2005, GCSV3AD, data file SV3002, failed QC limits. The remaining PEM's were within acceptable QC limits.

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 288958, the MS/MSD exhibited sporadic recovery and RPD failures.

In the Pesticide PEM01 analyzed on GCSV3 on 03/30/05 at 1638, the target data file was inadvertently reprocessed causing the manual integration of several peaks to be deleted. In re-integrating the necessary peaks, several values for the PEM changed; therefore, the PEM summary form and associated data is being resubmitted.

METALS

In the ILM04.1 - CLP Metals analysis for prep batch 289162, the MS recoveries were outside the control limits for Arsenic and Selenium. The LCS recoveries were within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The sample/duplicate RPD for Antimony, Arsenic, Manganese, and Zinc is not applicable because the sample and or duplicate concentration is less than five times the reporting limit.

In the ILM04.1 - CLP Metals analysis for prep batch 289163, the MS recoveries were outside the control limits for Arsenic, Selenium, and Thallium. The LCS recoveries were within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The sample/duplicate RPDs for Antimony and Manganese are not applicable because the sample and/or duplicate concentrations are less than five times the reporting limit.

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

SOW No.:

EPA Sample No	*Lab Sample ID*
SKSW51-1013	20503151301
SKSW51-1013 DUP	20503151302
SKSW51-1013 (DISS)	20503151303
SKSW51-1013 DUP (DISS)	20503151304
SKSW52-1013	20503151306
SKSW50-1013	20503151307
SKSW52-1013 (DISS)	20503151308
SKSW50-1013 (DISS)	20503151309
SKSW50MS-1013	20503151310
SKSW50MSD-1013(DUP)	20503151312
SKSWEB-1013	20503151313
SKSW50MS-1013(DISS)	20503151314
SKSW50MSD-1013(DISS)D	20503151315
SKSWEB-1013(DISS)	20503151316

Were ICP interelement corrections applied ? Yes / No YES

Were ICP background corrections applied ? Yes / No YES

If yes-were raw data generated before application of background corrections ? Yes / No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness for other than the conditions detailed above. Release of this data contained in this hardcopy data package and in the computer readable data submitted on the diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mark Peterman Name: MARK PETERMAN

Date:: 6/13/05 Title: METALS SUPERVISOR

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW51-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil / water) Water Lab Sample ID: 20503151301

Level (low / med) Date Received: 03/15/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	5.4	U	N	P	
7440-39-3	Barium	40.0	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	90500			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	28.6	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	29800			P	
7439-96-5	Manganese	2.4	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	1760	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	100000			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	9.2	B		P	
7440-66-6	Zinc	2.4	B		P	
57-12-5	Cyanide	0.6	U		AS	

6/29/05
MSA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW51-1013 DUP

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil / water) Water Lab Sample ID: 20503151302

Level: (low / med) Date Received: 03/15/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	9.7	B		P	
7440-38-2	Arsenic	5.4	U	N	P	
7440-39-3	Barium	41.6	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	96000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	28.4	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	31100			P	
7439-96-5	Manganese	1.9	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	1860	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	104000			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	9.6	B		P	
7440-66-6	Zinc	1.6	B		P	
57-12-5	Cyanide	0.9	B		AS	

6/29/05
MSA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED
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U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW51-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil / water) Water Lab Sample ID: 20503151303

Level: (low / med) Date Received: 03/15/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	5.4	U	N	P	
7440-39-3	Barium	41.0	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	95500			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	31500			P	
7439-96-5	Manganese	1.3	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	1800	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	102000			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	9.5	B		P	
7440-66-6	Zinc	2.5	B		P	

6/25/05
MJA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW51-1013 DUP (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil / water) Water Lab Sample ID: 20503151304

Level: (low / med) Date Received: 03/15/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	5.4	U	N	P	
7440-39-3	Barium	40.5	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	92000			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	30500			P	
7439-96-5	Manganese	1.3	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	1780	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	103000			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	9.6	B		P	
7440-66-6	Zinc	1.5	B		P	

6/28/05 MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW52-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil / water) Water Lab Sample ID: 20503151306

Level: (low / med) Date Received: 03/16/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	9.8	B	N	P	J
7440-39-3	Barium	39.9	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	90100			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	24.2	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	28700			P	
7439-96-5	Manganese	1.5	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	1580	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	85600			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	9.9	B		P	
7440-66-6	Zinc	0.7	U		P	
57-12-5	Cyanide	0.6	U		AS	

6/13/05 [illegible]

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW50-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil / water) Water Lab Sample ID: 20503151307

Level: (low / med) Date Received: 03/16/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	5.4	U	N	P	
7440-39-3	Barium	40.1	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	92900			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	15.0	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	30200			P	
7439-96-5	Manganese	1.2	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	1760	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	89000			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	9.7	B		P	
7440-66-6	Zinc	1.7	B		P	
57-12-5	Cyanide	0.6	U		AS	

6/29/05 MSK

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW52-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil / water) Water Lab Sample ID: 20503151308

Level: (low / med) Date Received: 03/16/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	10.0		N	P	J
7440-39-3	Barium	42.2	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	97600			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	31500			P	
7439-96-5	Manganese	1.3	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	1660	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	88900			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	9.8	B		P	
7440-66-6	Zinc	3.6	B		P	

6/29/05 [illegible]

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW50-1013 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil / water) Water Lab Sample ID: 20503151309

Level: (low / med) Date Received: 03/16/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	5.9	B		P	
7440-38-2	Arsenic	5.4	U	N	P	
7440-39-3	Barium	40.2	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	93500			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	30900			P	
7439-96-5	Manganese	0.9	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	1870	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	90000			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	9.5	B		P	
7440-66-6	Zinc	3.7	B		P	

6/25/05 MRW

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW50MS-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil / water) Water Lab Sample ID: 20503151310

Level (low / med) Date Received: 03/17/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2090			P	
7440-36-0	Antimony	123			P	
7440-38-2	Arsenic	55.1		N	P	J
7440-39-3	Barium	2160			P	
7440-41-7	Beryllium	53.9			P	
7440-43-9	Cadmium	52.4			P	
7440-70-2	Calcium	93700			P	
7440-47-3	Chromium	213			P	
7440-48-4	Cobalt	530			P	
7440-50-8	Copper	268			P	
7439-89-6	Iron	1030			P	J
7439-92-1	Lead	15.9			P	
7439-95-4	Magnesium	31200			P	
7439-96-5	Manganese	539			P	
7439-97-6	Mercury	4.9			AV	
7440-02-0	Nickel	528			P	
7440-09-7	Potassium	1770	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	54.0			P	
7440-23-5	Sodium	89300			P	
7440-28-0	Thallium	38.8			P	
7440-62-2	Vanadium	557			P	
7440-66-6	Zinc	542			P	
57-12-5	Cyanide	84.6			AS	

6/25/05 [illegible]

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW50MSD-1013(DUP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil / water) Water Lab Sample ID: 20503151312

Level: (low / med) Date Received: 03/17/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	4.6	B		P	
7440-38-2	Arsenic	7.2	B	N	P	J
7440-39-3	Barium	39.5	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	92100			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	16.0	B		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	30400			P	
7439-96-5	Manganese	0.9	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	1760	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	87900			P	
7440-28-0	Thallium	6.3	U		P	
7440-62-2	Vanadium	8.6	B		P	
7440-66-6	Zinc	0.7	U		P	
57-12-5	Cyanide	0.6	U		AS	

6/29/05 MM

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWEB-1013

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix (soil / water) Water Lab Sample ID: 20503151313

Level (low / med) Date Received: 03/17/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	55.3	U		P
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	5.4	U	N	P
7440-39-3	Barium	0.3	U		P
7440-41-7	Beryllium	0.2	U		P
7440-43-9	Cadmium	0.3	U		P
7440-70-2	Calcium	12.9	B		P
7440-47-3	Chromium	1.5	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	3.5	B		P
7439-89-6	Iron	9.1	U		P
7439-92-1	Lead	2.4	U		P
7439-95-4	Magnesium	66.9	U		P
7439-96-5	Manganese	0.6	U		P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	1.1	U		P
7440-09-7	Potassium	97.8	U		P
7782-49-2	Selenium	4.4	U	N	P
7440-22-4	Silver	0.9	U		P
7440-23-5	Sodium	340	U		P
7440-28-0	Thallium	7.0	B		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	0.7	U		P
57-12-5	Cyanide	0.6	U		AS

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6/25/05 MSR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW50MS-1013(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil / water) Water Lab Sample ID: 20503151314

Level: (low / med) Date Received: 03/17/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2170			P	
7440-36-0	Antimony	112			P	
7440-38-2	Arsenic	56.7		N	P	J
7440-39-3	Barium	2080			P	
7440-41-7	Beryllium	52.9			P	
7440-43-9	Cadmium	50.7			P	
7440-70-2	Calcium	97000			P	
7440-47-3	Chromium	205			P	
7440-48-4	Cobalt	519			P	
7440-50-8	Copper	263			P	
7439-89-6	Iron	1130			P	
7439-92-1	Lead	18.9			P	J
7439-95-4	Magnesium	32000			P	
7439-96-5	Manganese	525			P	
7439-97-6	Mercury	4.9			AV	
7440-02-0	Nickel	516			P	
7440-09-7	Potassium	1830	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	51.2			P	
7440-23-5	Sodium	85000			P	
7440-28-0	Thallium	33.2		N	P	J
7440-62-2	Vanadium	532			P	
7440-66-6	Zinc	529			P	

6/25/05 [illegible]

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW50MSD-1013(DISS)D

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil / water) Water Lab Sample ID: 20503151315

Level: (low / med) Date Received: 03/17/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	5.4	U	N	P	
7440-39-3	Barium	39.0	B		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	90700			P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U		P	UJ
7439-95-4	Magnesium	29500			P	
7439-96-5	Manganese	0.6	U		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	1840	B		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	84600			P	
7440-28-0	Thallium	6.3	U	N	P	UJ
7440-62-2	Vanadium	8.3	B		P	
7440-66-6	Zinc	3.9	B		P	

6/29/05
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Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWEB-1013(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205031513

Matrix: (soil / water) Water Lab Sample ID: 20503151316

Level: (low / med) Date Received: 03/17/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55.3	U		P	
7440-36-0	Antimony	3.9	U		P	
7440-38-2	Arsenic	5.4	U	N	P	
7440-39-3	Barium	0.3	U		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	0.3	U		P	
7440-70-2	Calcium	104	B		P	
7440-47-3	Chromium	1.5	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	9.1	U		P	
7439-92-1	Lead	2.4	U		P	US
7439-95-4	Magnesium	66.9	U		P	
7439-96-5	Manganese	0.6	U		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	U		P	
7440-09-7	Potassium	97.8	U		P	
7782-49-2	Selenium	4.4	U	N	P	R
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	340	U		P	
7440-28-0	Thallium	6.3	U	N	P	US
7440-62-2	Vanadium	1.1	U		P	
7440-66-6	Zinc	0.7	U		P	

6/29/05
MSU

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

RESUBMITTED

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
Earth Tech	4342	205031513	3-24-05

Report to:
Client: EARTH TECH
Address: 2373 Progress DR
Hebron, KY 41048
Contact: PAT HIGGINS
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client:
Address: GLENN SPRINGS CONTRACT
Contact:
Phone:
Fax:

P.O. Number: 54280-01
Project Name/Number: SKINNER LANDFILL - 1st Qtr. 05
Sampled By: ROGER HUTH / KEN Collins

Analytical Requests & Method

Lab use only:
Custody Seal
used ☑ yes ☐ no
In tact ☑ yes ☐ no
Temperature °C 6

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	CYANIDE	Volatiles		Lab ID
W	3/14/05	1455		X	SKSW51-1013	Various	10	X	X	X	X	X	X	X	-3	3/15
W	3/14/05	1510		X	SKSW51-1013 DUP	Various	10	1	1	1	1	1	1	1	-4	-1
																-2

Remarks: Refer to Table 7 (TCL) and Table 8 (TAC) of the Final O&M Plan for the list of analytes

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☑ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger E Huth	FED EX	3/14/05	1800
Fedex 7915 2279 4488	Michelle [illegible]	3-15-05	930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: SAMPLES SENT VIA FED EX Standard Turnaround

By submitting these samples, you agree to the terms and

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GCAL-06 11/98

000601

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUST RECORD

Lab use only			
Earth Tech	4347	2050315 13	3-30 05
Client Name	Client #	Workorder #	Due Date

Report to:
Client: EARTH TECH
Address: 2373 Progress DR.
Hebron, KY 41048
Contact: Pat HIGGINS
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client:
Address: GLENN SPRINGS CONTRACT
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: SKINNER LANDFILL - 1st Qtr - 05
Sampled By: Roger Huth / Ken Collins

Analytical Requests & Method

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 6

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	Cyanide	Volatiles		D.SS	Remarks:	Lab ID 3/16
W	3/15/05	1110		X	SKSW52-1013	Various	10	X	X	X	X	X	X	X		-8	Refer to Table	-06
W	3/15/05	1210		X	SKSW50-1013	Various	10	1	1	1	1	1	1	1		-9	7 (TCL) and	-07
																	Table 8 (TAC)	
																	of the final	
																	O&M Plan	
																	for the list	
																	of analytes	

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger E Huth	FED EX	3/15/05	1800
Fedex 790949147782	Michelle Kabr	3-16-05	915

Note: SAMPLES SENT VIA FED EX STANDARD TURNAROUND

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CAL-06 11/98

000601 A

CUSTODY RECORD

...iana 70820-7402
... 225.769.4900 • Fax 225.767.5717

Client Name	Client #	Workorder #	Due Date
Earth Tech	4342	205031513	3-31-05

Report to:

Client: EARTH TECH
Address: 2373 Progress DR. Hebron, KY 41048
Contact: PAT HIGGINS
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:

Client:
Address: GLENN SPRINGS CONTRACT
Con...
Phone:
Fax:

Analytical Requests & Method

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 6

P.O. Number: 54280.01
Project Name/Number: SKINNER LANDFILL - 1st QTR 05

Sampled By: Roger Huth / Ken Collins

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-atiles	Pesticides	PCB Metals	Total Metal	Diss Metal	Cyanide	Volatiles					Lab ID
																			3117
W	3/15/05	1420		X	SKSW50MS-1013	Various	10	X	X	X	X	X	X	X				Refer to Table	-10,-14
W	3/15/05	1500		X	SKSW50MSD-1013	Various	10	1	1	1	1	1	1	1				7 (TCL) and	-11,-12,-15
																		Table 8 (TAC)	
																		of the final	
																		O&M Plan	
																		for the list	
																		of analytes	

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger E Huth	Fed Ex	3/15/05	1800
[signature] 74223123 0963	[signature]	3-17-05	850
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: SAMPLES SENT VIA FED EX STANDARD TURNAROUND

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3CAL-06 11/98

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only	Client Name	Client #	Workorder #	Due Date
3-17-05 MSR ~~Michelle~~	Earth Tech	4342	205031513	3-31-05

Report to:
Client: EARTH TECH
Address: 2373 Progress DR
Hebron, KY 41048
Contact: Pat HIGGINS
Phone: 859-442-2300
Fax: 859-442-2311

Bill to:
Client: Glenn Springs
Address: CONTRACT
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: SKINNER LANDFILL - 1st Qtr. 05
Sampled By: ROGER Huth / Ken Collins

Analytical Requests & Method

Lab use only:
Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 6

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	Cyanide	Volatiles	Remarks:	Lab ID
W	3/16/05	1145		X	SKSW EB-1013	Various	10	X	X	X	X	X	X	X	Refer to Table 7 (TCL) and Table 8 (TAC) of the final O&M Plan for the list of analytes	3 117 -13, -16

EB - EQUIPMENT BLANKS

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger E Huth	FED EX	3/16/05	1800
Fedex 79094914 1713	[signature]	3-17-05	850

Note: SAMPLES SENT VIA FED EX STANDARD TURNAROUND

By submitting these samples, you agree to the terms and

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