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REMEDIAL ACTION QUARTERLY MONITORING REPORT

THIRD QUARTER – 2005 (9 of 120)

SKINNER LANDFILL SITE BUTLER COUNTY WEST CHESTER, OHIO

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LIST OF ACRONYMS

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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 third quarter of 2005, which is the 9th of 120 quarterly 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 0.10 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.

Four of the 24 TAL parameters were detected above the CRQL. Detections of iron (present in six groundwater monitoring wells), barium (present in three groundwater monitoring wells), zinc and chromium (each present in one groundwater monitoring well) were detected above the CRQL.

The concentration of total chromium in groundwater monitoring well GW-61, detected above the CRQL, also exceeded the revised modified trigger level. Chromium was not detected in the previous quarter at this sampling location.

During the previous quarterly sampling event (2nd quarter 2005), the concentration of total chromium in groundwater monitoring well GW-07R exceeded the revised modified trigger level. However, during the most recent sampling event, this monitoring well did not yield enough groundwater to collect samples for metals analysis. Monitoring wells GW-61 and GW-07R are not located within the same vicinity of the site.

3.4 SURFACE WATER ANALYTICAL RESULTS

Surface water analyzed consisted of surface water collected directly from the East Fork of Mill Creek. Surface water runoff samples for the Site were not able to be collected during this quarter due to an inadequate water flow. On September 16 and 23, 2005, visits were made to the site after qualifying rain fall events. However, the sample locations did not yield the necessary volume of water to collect samples.

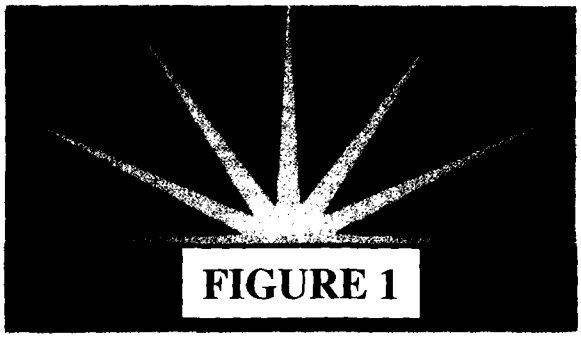
A summary of TCL and TAL parameter concentrations encountered above the contract required detection limit and revised modified trigger level is provided on Table 4. A summary of surface water laboratory analytical results is presented in Appendix B. The summary tables are presented on a sample location basis. The validated laboratory analytical data is provided in Appendix C.

In general, target compound list volatiles, semi-volatiles, pesticides, PCBs and target analyte list metals were not detected in surface water above the CRQL or associated revised modified trigger levels.

During the previous quarterly sampling event (2nd quarter 2005), the concentration of total chromium in surface water sample location SW-51 exceeded the revised modified trigger level. However, during the most recent sampling event the chromium concentration at this sample location was not detected above the CRQL.

FIGURES

FIGURES



SITE VICINITY MAP

FIGURE 1

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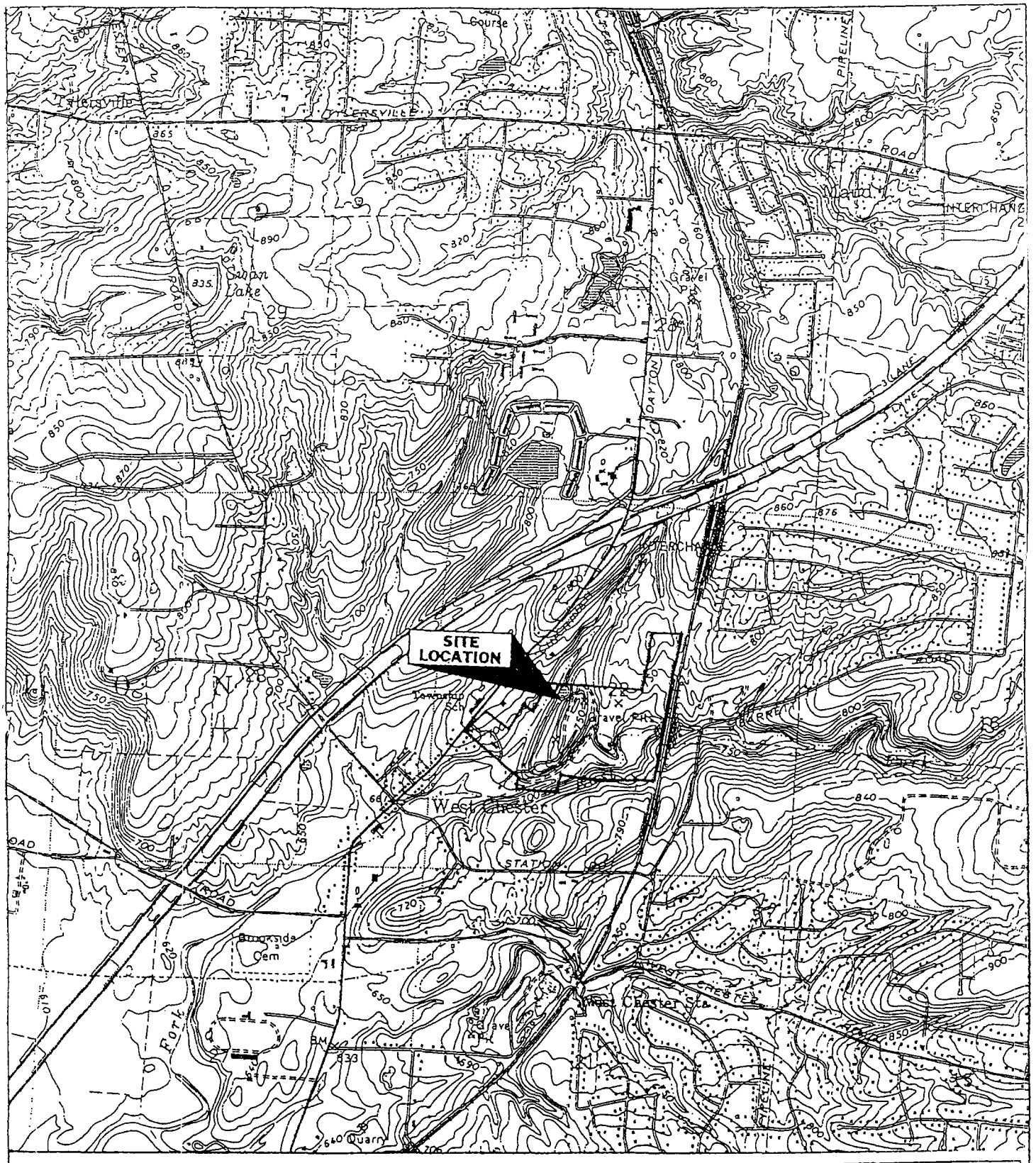

Base taken from USGS Glendale, Ohio
7.5' Topographic Quadrangle, photorevised 1987

0 2000
FEET

EARTH TECH

N

SKINNER LANDFILL

SITE VICINITY MAP

BUTLER COUNTY, OHIO

TABLES

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TABLE 1

GROUNDWATER ELEVATIONS

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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)	September 13, 2005 Depth to Water (feet from top of casing)	September 13, 2005 Groundwater Elevation (MSL-feet)
Piezometers	P-1	G	685.42	687.65	10.96	676.69
	P-2	G	688.54	690.42	12.88	677.54
	P-3R	G	691.83	693.69	25.66	668.03
	P-4	G	700.32	702.63	8.26	694.37
	P-5	G	708.20	710.65	15.03	695.62
	P-6	G	707.45	710.59	13.62	696.97
	P-7	G	719.08	721.83	Dry	Dry
	P-8	G	747.70	749.91	30.74	719.17
	P-9	G	760.68	763.90	--	--
	P-10	G	761.34	764.16	--	--
	P-11	G	760.34	762.76	28.75	734.01
	P-12	G	743.50	746.17	41.43	704.74
Groundwater Monitoring Wells	GW-06R	S	683.89	685.91	11.26	674.65
	GW-07R	S	683.46	683.06	14.83	668.23
	GW-24	S	693.32	695.21	19.46	675.75
	GW-26	S	696.61	698.28	30.70	667.58
	GW-30	S	675.63	677.62	10.28	667.34
	GW-58	S	684.03	686.53	13.71	672.82
	GW-59	S	684.35	687.38	7.62	679.76
	GW-60	S	689.12	692.38	14.88	677.50
	GW-61	S	687.38	690.86	13.99	676.87
	GW-62A	S	690.19	692.38	30.32	662.06
	GW-62B	S	690.57	693.13	12.56	680.57
	GW-63	S	698.87	702.50	11.51	690.99
	GW-64	S	700.45	703.88	13.20	690.68
	GW-65	S	703.83	706.88	16.76	690.12
	GW-66	G	686.82	689.41	8.06	681.35
Gas Probes	GP-6	G	772.18	774.65	15.42	759.23
	GP-7	G	749.83	752.65	8.85	743.80

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

TABLE 2

GROUNDWATER/WASTE ELEVATIONS

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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 (December 2004) (feet)	Water Elevation (March 2005) (feet)	Water Elevation (June 2005) (feet)	Water Elevation (September 2005) (feet)
P-9	25	737	**745.00**	741.87	-	-	-
P-10	30	734	**744.50**	-	-	-	-
P-11	17	745	**744.30**	Dry	737.46	737.56	734.01
P-12	35	707	**713.50**	706.14	706.17	705.67	704.74

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).

TABLE 3

GROUNDWATER RESULTS SUMMARY

TABLE 3

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Table 3

Groundwater Summary

Skinner Landfill
West Chester, Ohio
Third Quarter 2005

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
GW-06R	-	-	*barium*	-
GW-07R	-	*	*	*
GW-24	-	-	*iron*	-
GW-26	-	-	*barium, iron*	-
GW-30	-	-	*barium, iron*	-
GW-58	-	-	-	-
GW-59	-	-	-	-
GW-60	*	*	*	*
GW-61	-	-	**chromium,** *iron*	-
GW-62A	-	-	-	-
GW-62B	-	*	*	*
GW-63	-	-	*iron, zinc*	-
GW-64	-	-	*iron*	-
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

SURFACE WATER RESULTS SUMMARY

TABLE 4

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Table 4

Surface Water Summary

Skinner Landfill
West Chester, Ohio
Third Quarter 2005

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
SW-50	-	-	-	-
SW-51	-	-	-	-
SW-52	-	-	-	-
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

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SDMS US EPA Region V

Imagery Insert Form

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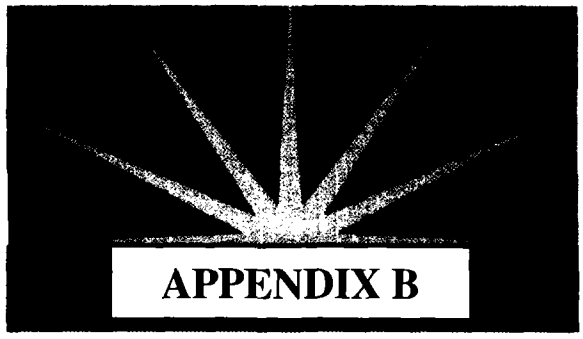

SUMMARY OF ANALYTICAL RESULTS

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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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]									
Aluminum	25.8	85.2	55.3	55.3	55.3	32.4	16.4		200
Antimony	3.7	7.7	*10.6*	*4.1*	3.9	5.4	4.0 UJ	60	60
Arsenic	2.9	5.4	5.4	26.7 J	6.1 J	3.8	4.2	20	10
Barium	266	45.4 J	329	179.0	196	253	205	1,000	200
Beryllium	0.1	0.2	0.20	0.2	0.2	0.1	0.1	5	5
Cadmium	0.2	0.5	0.30	0.3	0.3	0.1	0.1	5	5
Calcium	189,000	176,000	205,000	193,000	186,000	199,000	172,000		5,000
Chromium	1.2	1.5	3.7	1.5	1.5	1.5	1.4	11	10
Cobalt				2.9	0.7	1.1	0.6		50
Copper	1.2	1.2	1.2	1.2	1.2	0.7	0.7	25	25
Iron	22	1,360 J	9.1	1,210	9.1	10.5	27.4	7,000	100
Lead	1.5	2.4 UJ	2.4 UJ	2.4	2.4 UJ	1.4	1.4	4.2	3
Magnesium	30,000	33,100	32,100	31,300	31,700	34,000	28,300		5,000
Manganese	69.5 J	481 J	124	363	173	224	147		15
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1	0.2	0.2
Nickel	1.7	3.4 J	2.2	2.5	1.1	0.4	1.1	96	40
Potassium	2,060	7,180 J	3,340 J	2,510 J	2,200	2,680	2,710 J		5,000
Selenium	4.4 UJ	4.4	4.4 UJ	4.4	4.4 R	3.5 UJ	3.5 UJ	8.5	5
Silver	0.4	0.9	2.5	0.9	0.9	1.1	2.9	10	10
Sodium	20,700	29,000 J	20,900 J	22,000	21,000	22,800	20,300		5,000
Thallium	2.6	6.3	6.3	8.1	6.3	4.1	4.1 UJ	40	10
Vanadium	1.6	1.1	3.5	6.7	11.5	11.9	6.6		50
Zinc	0.6	0.7 UJ	0.7	0.7	4.6	12.1	1.1	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	9,900	4,950 J	37,200 J	2,890 J	8,510	7,510 J	27,800 J		
Antimony	5.5	8.2	3.9	3.9	7.6 J	11.5	4.0 UJ		
Arsenic	12.4	5.4 UJ	5.4	34.6 J	9.0 J	5.2	64.7		
Barium	440	103 J	821	232 J	338	397	626		
Beryllium	1.1	0.7	2.1	0.2	0.5	0.2	2.6		
Cadmium	1.0	1.5	0.3	0.3	0.3	0.1	0.6		
Calcium	*309,000*	*224,000 J*	*576,000*	*217,000*	*234,000*	*263,000 J*	*562,000*		
Chromium	16.9	5.3 J	58.5	6.1	11.1	9.7	63.8 J		
C[illegible]	12.3	6.6	46.5	6.0	11.9	12.5	48.5		
C[illegible]	39.3	12 J	97.2 J	5.0	18.7 J	17.3 J	113		
Cyanide	1.0	3.3	0.7	0.5	0.5	0.6	1.0	10	10
Iron	25,300	17,300 J	90,600	9,100 J	20,900	21,900 J	84,300		
Lead	23.9	9.3 J	88.1 J	3.3 J	13.6 J	14.8	67.5		
Magnesium	83,600	46,800 J	184,000	42,100 J	51,800	63,000 J	194,000		
Manganese	988	758	5,750	585	1,010	1,460 J	5,230		
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1		
Nickel	23.4	17.2 J	80.5	8.1	15.5	0.4	67.5		
Potassium	3,970	8,320	9,100	3,320 J	4,210	4,080	7,920 J		
Selenium	4.4 UJ	4.4	4.4 R	6.6 J	4.4 UJ	3.5 R	3.9		
Silver	0.4	0.9	0.9	0.9	0.9	1.1	12.6 J		
Sodium	21,900	28,600 J	24,300	21,900	20,400	23,700 J	23,300		
Thallium	2.6	6.3	6.3	6.3	6.3 UJ	4.1 UJ	4.1 UJ		
Vanadium	22.2	3.7	84.3	16.1	29.1 J	29.9 J	75.0 J		
Zinc	72.9	22.1 UJ	283 J	20.4 J	63.2	66.6	237 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
1,1-Dichloroethane			0.34 J	1.0 U	1.0 U	1.0 U	1.0 U		10
1,2-Dichloropropane			0.23 J	1.0 U	1.0 U	1.0 U	1.0 U	5	10
Benzene			0.15 J	1.0 U	1.0 U	1.0 U	1.0 U	5	10
Ethylbenzene			0.14 J	1.0 U	0.11 J	1.0 U	1.0 U	62	10
Toluene			0.45 J	1.0 U	0.74 J	1.0 U	1.0 U	1,000	10
Tetrachloroethene			0.17 J	1.0 U	1.0 U	1.0 U	1.0 U	5	10
Xylene (total)			0.33 J	1.0 U	0.19 J	1.0 U	1.0 U	10,000	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Dibenz (a,h) anthracene						0.652 J	10.0 J	10	10
Indeno (1,2,3-cd) pyrene						0.502 J	10.0 J	10	10
Benzo (g,h,i) perylene						1.02 J	10.0 J	10	10
Pesticides / PCBs	BRL	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.
An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
A value less than the CRQL but greater than the MDL.
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	**March-04**	**May-04**	**September-05**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]							Insufficient Volume		
Aluminum	25.8	62.0	55.3	55.3	55.3	24.0	—		200
Antimony	3.7	3.9	3.9	3.9	3.9	6.0	—	60	60
Arsenic	2.9	5.4	5.4	35.8 J	5.4	3.8	—	20	10
Barium	113	119 J	118	46.7	94.7	111	—	1,000	200
Beryllium	0.1	0.2	0.2	0.2	0.2	0.1	—	5	5
Cadmium	0.2	0.9	0.3	0.3	0.3	0.1	—	5	5
Calcium	185,000	184,000	205,000	367,000	173,000	191,000	—		5,000
Chromium	1.1	1.5	3.3	1.7	2.4	32.8	—	11	10
Cobalt	0.7	0.9	0.6	0.6	0.6	0.6	—		
Copper	1.2	1.4	1.2	1.2	1.2	0.7	—	25	25
Iron	32.9	41.3 J	9.1	9.1	10.5	56.1	—	7,000	100
Lead	1.5	2.4 UJ	2.4	2.4	2.4 UJ	1.4	—	4.2	3
Magnesium	26,300	28,100	29,400	52,300	26,700	29,400	—		5,000
Manganese	914 J	1,090 J	418	49.8	398	908	—		15
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	—	0.2	0.2
Nickel	2.2	3.5 J	1.1	1.8	1.5	0.4	—	96	40
Potassium	2,350	2,580 J	3,010 J	5,000 J	2,380	2,400	—		5,000
Selenium	4.4 UJ	4.4	4.4 UJ	8.5	4.4 R	3.5 UJ	—	8.5	5
Silver	0.4	0.9	0.9	0.9	0.9	1.1	—	10	10
Sodium	25,200	25,500 J	32,600 J	48,200	24,900	26,600	—		5,000
Thallium	2.6	8.5	6.3	6.3 U	6.3	4.1	—	40	10
Vanadium	0.8	1.1	1.1	8.5 B	9.1	11.0	—		50
Zinc	0.6	0.7 UJ	0.7	0.7 U	11.3	14.3	—	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	7,810	10,300 J	8,270 J	7,040 J	9,090	23,300 J	—		
Antimony	6.6	4.5	5.1	4.0	10.7 J	18.6	—		
[illegible]	6.9	5.4 UJ	5.4	45.1 J	5.4	7.6	—		
[illegible]	484	570 J	469	319 J	405	1,120	—		
Beryllium	0.8	0.8	0.2	0.2	0.4	1.1	—		
Cadmium	0.9	1.2	0.3	0.3	0.3	0.1	—		
Calcium	281,000	260,000 J	250,000	392,000	222,000	293,000 J	—		
Chromium	12.9	17.4 J	13.4	12.8	12.5	44.2	—		
Cobalt	7.0	9.1	6.2	5.3	6.4	17.8	—		
Copper	35.5	31.1 J	15.3 J	15.2	23.1 J	50.8 J	—		
Cyanide	1.5	0.5	0.7	0.5	0.6	0.6	—	10.0	10.0
Iron	20,200	26,900 J	20,200	17,600 J	22,000	63,600 J	—		
Lead	9.2	15.7 J	11.4 J	6.7 J	7.1 J	29.5	—		
Magnesium	54,000	54,300 J	45,900	66,900 J	42,300	73,000 J	—		
Manganese	1,590	2,020 J	1,400	570	913	2,340 J	—		
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	—		
Nickel	17.8	24 J	12.7	14.6	16.0	28.1	—		
Potassium	4,510	5,060 J	4,770	6,590 J	4,300	5,940	—		
Selenium	4.4 UJ	4.4	4.4 R	12.0 J	4.4 UJ	3.5 R	—		
Silver	0.4	0.9	0.9	0.9	0.9	1.1	—		
Sodium	31,200	27,100 J	32,400	48,500	26,200	27,500 J	—		
Thallium	2.6	6.3	7.0	7.7	6.3 UJ	4.1 UJ	—		
Vanadium	15.3 J	15.2	9.2	26.8	23.5 J	47.0 J	—		
Zinc	51.2	35.5 UJ	46.9 J	50.3 J	59.4	146	—		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Toluene					0.69 J	1.0 J	1.0 J	1,000	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	—		
Diethylphthalate						0.6 J			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
[illegible] = No Sample Available (Well Dry)
[illegible] = Not detected at the listed reporting limit.
[illegible] = 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.

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Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-24

	Sampling Event (All Results Expressed in Units of µg/l)				
	Annual Results				
Compound	**November-03**	**December-04**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]					
Aluminum	25.8	55.3	16.4		200.00
Antimony	3.7 U	4.6	4.0	60	60
Arsenic	3.6 B	16.7	3.8	20	10
Barium	90.4 B	66.2	80.8	1,000	200
Beryllium	0.1 U	0.2	0.1	5	5
Cadmium	0.2 U	0.3	0.1	5	5
Calcium	111,000	99,500	115,000		5,000
Chromium	0.8 U	1.9	0.8	11	10
Cobalt	0.4	0.6	0.6		50
Copper	2.1 B	1.2	0.7	25	25
Iron	1,000	674	306	7,000	100
Lead	1.5 U	2.4 J	1.4	4.2	3
Magnesium	26,400	24,100	26,900		5,000
Manganese	169	175	194		15
Mercury	0.1 U	0.1	0.1	0.2	0.2
Nickel	0.7 U	1.1	0.4	96	40
Potassium	3,210	3,260	3,380		5,000
Selenium	4.4 U	4.4 J	3.5 UJ	8.5	5
Silver	0.4 U	0.9	2.6	10	10
Sodium	29,300	31,600	37,500		5,000
Thallium	2.6 U	6.3 J	4.1	40	10
Vandadium	0.9	6.0	5.8		50
Zinc	1.9 B	0.7	1.1	86	20
Inorganics - Metals and Cyanide (Total)					
Aluminum	13,000 J	32,400	44,500		
Antimony	3.7 U	3.9	4.0		
Arsenic	8.4 B	78.3 J	52.5 J		
Barium	162 B	209	314		
Beryllium	0.7 B	1.5	3.5		
Cadmium	0.2 U	0.3	0.8		
Calcium	544,000	788,000	934,000		
Chromium	19.5	52.2 J	90.7		
Cobalt	13.9	33.9	50.1		
Copper	21.6 B	43.6	111		
Cyanide	3.0 U	0.5	0.6	10	10
Iron	30,500	71,700	103,000		
Lead	20.8	33.0 UJ	40.7		
Magnesium	73,800	76,200	104,000		
Manganese	1,960	3,350	4,080		
Mercury	0.1 U	0.1	0.1		
Nickel	28.2 B	71.2	106		
Potassium	6,610	13,000	14,800		
Selenium	4.4 U	16.5 UJ	3.5 R		
Silver	0.4 U	0.9	14.4		
Sodium	31,500	35,600	40,100		
Thallium	2.6 U	15.1	4.1		
Vandadium	26.6	79.7	88.4		
Zinc	63.1	197.0	261		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL		
Carbon Disulfide		1.3	12.0		10
Benzene		0.084 J	1.0 U	5	10
Xylene		0.062 U	1.0 U	10,000	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL		
Bis(2-ethylhexyl)phthalate			4.5 JB	49	10
Di-n-butylphthalate			1.17 JB	190	10
Pesticides / PCBs	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) — = Constituent not analyzed.
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-26

	Sampling Event (All Results Expressed in Units of µg/l)				
	Annual Results				
Compound	**November-03**	**December-04**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]					
Aluminum	25.8	55.3	16.4		200
Antimony	4.1	3.9	4.0	60	60
Arsenic	5.9	13.5 J	6.5	20	10
Barium	344 J	314	470	1,000	200
Beryllium	0.1	0.2	0.1	5	5
Cadmium	0.2	0.3	0.1	5	5
Calcium	69,200	72,900	72,100		5,000
Chromium	0.8	4.4 J	2.9	11	10
Cobalt	1.0	0.6	0.6		50
Copper	2.0	1.2	0.8	25	25
Iron	442	65.0	540	7,000	100
Lead	1.5	2.4 UJ	1.4	4.2	3
Magnesium	38,500	41,300	39,800		5,000
Manganese	134	99.7	101		15
Mercury	0.1	0.1	0.1	0.2	0.2
Nickel	1.7	1.3	0.4	96	40
Potassium	19,500	20,400	23,300		5,000
Selenium	4.4 R	6.8 J	3.5 UJ	8.5	5
Silver	0.4	0.9	3.8	10	10
Sodium	187,000	169,000	225,000		5,000
Thallium	2.6 UJ	6.3	4.1	40	10
Vanadium	0.8	8.1	7.4		50
Zinc	0.6 UJ	0.7	1.1	86	20
Inorganics - Metals and Cyanide (Total)					
Aluminum	3,860 J	1,490	6,400		
Antimony	3.7 U	3.9	4.0		
Arsenic	2.9 B	15.6	7.4 J		
Barium	352	333	451		
Beryllium	0.2 B	0.2	0.3		
Cadmium	0.5 B	0.3	0.1		
Calcium	96,700	76,900	93,100		
Chromium	20.6	9.1	17.7		
Cobalt	5.8	2.9	9.0		
Copper	20.1 B	5.1	18.8		
Cyanide	3.0 U	0.5	-	10	10
Iron	10,300	3,930	14,900		
Lead	8.5	2.4 UJ	12.4		
Magnesium	41,900	38,800	47,000		
Manganese	320	159	321		
Mercury	0.1 U	0.1	0.1		
Nickel	16.8 B	6.5	16.8		
Potassium	19,100	22,300	22,900		
Selenium	4.4 UJ	4.40 UJ	3.5 R		
Silver	0.4 U	0.90	3.3		
Sodium	173,000	186,000	206,000		
Thallium	2.6 U	6.3 UJ	4.1		
Vanadium	2.2	10.4	17.2		
Zinc	32.2	35.8	52.9		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL		
Benzene			0.49 J	5	10
Carbon Disulfide		0.31	11.0		10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL		
Bis(2-ethylhexyl)phthalate			2.26 JB	49	10
Di-n-butylphthalate			0.676 JB	190	10
Pesticides / PCBs	BRL	BRL	BRL		
4,4'-DDE		0.0047 J	0.1 UJ		0.10
Endosulfan sulfate		0.014 UJ	0.1 UJ		0.10
Endosulfan II		0.00492 J	0.1 U		0.10

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) — = Constituent not analyzed.
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-30

	Sampling Event (All Results Expressed in Units of µg/l)				
	Annual Results				
Compound	**November-03**	**December-04**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]					
Aluminum	25.8	55.3	16.4		200
Antimony	*3.7 U*	3.9	4.0	60	60
Arsenic	2.9 U	10.9 J	3.8	20	10
Barium	334	367	329	1,000	200
Beryllium	0.1 U	0.2	0.1	5	5
Cadmium	0.2 U	0.3	0.1	5	5
Calcium	60,800	61,500	61,100		5,000
Chromium	0.8 U	3.0 J	1.5	11	10
Cobalt	0.4	0.6	0.6		50
Copper	5.4 B	1.2	0.7	25	25
Iron	427	376	193	7,000	100
Lead	1.5 U	2.4 UJ	1.4	4.2	3
Magnesium	28,900	29,600	29,700		5,000
Manganese	29.5	27.2	24.3		15
Mercury	0.1 U	0.1	0.1	0.2	0.2
Nickel	0.7 U	1.1	0.4	96	40
Potassium	12,600	13,500	12,800		5,000
Selenium	4.4 U	4.4 UJ	3.5 UJ	8.5	5
Silver	0.4 U	0.9	3.4	10	10
Sodium	146,000	143,000	126,000		5,000
Thallium	2.6 U	6.3	4.1	40	10
Vanadium	0.8	7.8	6.6		50
Zinc	0.6 U	0.7	1.1	86	20
Inorganics - Metals and Cyanide (Total)					
Aluminum	516	1,560	78.5		
Antimony	3.7 U	3.9	4.0		
Arsenic	*2.9 U*	*19.2*	*3.8 UJ*		
Barium	318	370	354		
Beryllium	0.1 U	0.2	0.1		
Cadmium	0.2 B	0.3	0.1		
Calcium	61,000	67,300	65,500		
Chromium	6.0 B	5.9	1.2		
Cobalt	0.4	1.0	0.6		
Copper	8.4 B	1.2	0.7		
Cyanide	3.0 U	0.5	0.6	10	10
Iron	2,090	3,240	563		
Lead	1.5 U	2.4 UJ	1.4		
Magnesium	29,200	30,300	31,400		
Manganese	48.2	70.7	27.0		
Mercury	0.1 U	0.1	0.1		
Nickel	4.5 B	3.5	0.4		
Potassium	*12,700*	*13,900*	*13,400*		
Selenium	4.4 U	4.4 UJ	3.5		
Silver	0.4 U	0.9	1.6		
Sodium	145,000	146,000	13,300		
Thallium	*2.6 U*	*6.3*	*4.1*		
Vanadium	0.8	9.5 UJ	5.3		
Zinc	6.5 B	9.9	1.1		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL		
Carbon Disulfide		5.1	2.0		10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL		
Pesticides / PCBs	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) — = Constituent not analyzed.
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 reque

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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]		Not Sampled	Not Sampled						
Aluminum	25.8	—	—	55.3	55.3	16.4	16.4		200
Antimony	3.7	—	—	3.9	3.9	4.0	4.0 UJ	60	60
Arsenic	3.1	—	—	17.7	5.4 J	3.8	3.8	20	10
Barium	156	—	—	162.0	157	151.0	161	1,000	200
Beryllium	0.1	—	—	0.2	0.2	0.1	0.1	5	5
Cadmium	0.2	—	—	0.3	0.3	0.1	0.1	5	5
Calcium	109,000	—	—	96,200	108,000	114,000	103,000		5,000
Chromium	1.5	—	—	1.8	1.5	0.8	0.8	11	10
Cobalt	1.3	—	—	0.6	1.1	0.6	0.6		50
Copper	2.9	—	—	1.2	1.2	0.7	0.7	25	25
Iron	209	—	—	1,290	49.4	10.5	80.3	7,000	100
Lead	1.5	—	—	2.4 J	2.4 UJ	1.4	1.4	4.2	3
Magnesium	32,500	—	—	31,900	33,200	34,500	32,000		5,000
Manganese	549	—	—	398	265	84.7	52.6		15
Mercury	0.1	—	—	0.1	0.1 UJ	0.1	0.1	0.2	0.2
Nickel	2.6	—	—	1.1	1.2	0.4	0.4	96	40
Potassium	4,550	—	—	4,820	4,270	4,110	4,540 J		5,000
Selenium	4.4 UJ	—	—	5.3 J	4.4 R	3.5 UJ	3.5 UJ	8.5	5
Silver	0.4	—	—	0.9	0.9	1.1	2.6	10	10
Sodium	32,400	—	—	32,900	29,700	30,600	30,800		5,000
Thallium	2.6	—	—	6.3 J	6.3	4.1	4.1 UJ	40	10
Vanadium	1.6	—	—	7.4	11.1	11.7	5.9		50
Zinc	0.6	—	—	0.7	2.6	10.1	1.1	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	12,000	—	—	23,400	31,900	17,600 J	20,700 J		
Antimony	5.7	—	—	3.9	21.7 J	14.6	4.0 UJ		
Arsenic	11.5	—	—	60.7 J	19.6 J	6.8	29.1		
Barium	284	—	—	486	474	364	349		
Beryllium	1.0	—	—	1.4	1.8	0.8	1.2		
Cadmium	1.5	—	—	0.3	0.3	0.1	0.1		
Calcium	214,000	—	—	441,000	345,000	277,000 J	287,000		
[illegible]um	28.2	—	—	54.2 J	64.0	34.4	57.5 J		
[illegible]	13.4	—	—	27.4	32.2	16.4	17.6		
Copper	45.7	—	—	56.0	77.6 J	41.5 J	61.7		
Cyanide	0.5	—	—	0.5	0.5	0.6	0.8	10	10
Iron	32,700	—	—	61,800	80,500	45,400 J	49,700		
Lead	19.5	—	—	39.5 UJ	45.3 J	20.7	25.5		
Magnesium	56,000	—	—	88,600	86,600	73,800 J	72,300		
Manganese	1,300	—	—	2,430	1,970	1,300 J	1,250		
Mercury	0.1	—	—	0.1	0.1 UJ	0.1	0.1		
Nickel	32.1	—	—	63.0	73.4	17.8	55.6 J		
Potassium	7,640	—	—	11,800	11,500	8,380	10,900		
Selenium	4.4 UJ	—	—	5.1 J	4.4 UJ	3.5 R	3.5 UJ		
Silver	0.4	—	—	0.9	0.9	1.1	9.3		
Sodium	33,500	—	—	37,200	31,500	34,700 J	31,600		
Thallium	4.1 J	—	—	6.5	6.3 J	4.1 UJ	4.1 UJ		
Vanadium	23.2	—	—	63.2	59.4 J	38.0 J	45.8 J		
Zinc	81 J	—	—	178	224	128	147 J		
Volatile Organic Compounds (VOCs)	BRL	—	—	BRL	BRL	BRL	BRL		
Benzene				0.061 J	1.0 U	1.0 U	1.0 U	5	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	—	—	BRL	BRL	BRL	BRL		
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.
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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]									
Aluminum	27.2	55.3	55.3	55.3	55.3	16.4	16.4		200
Antimony	3.7	3.9	3.9	5.7	6.9	7.7	4.0 UJ	60	60
Arsenic	2.9	5.4	5.4	28.5 J	5.4	3.8	3.8	20	10
Barium	21.8	23.2	28.6	23.0	21.1	24.6	50.0	1,000	200
Beryllium	0.1	0.2	0.2	0.2	0.2	0.1	0.1	5	5
Cadmium	0.2	0.3	0.3	0.3	0.3	0.1	0.1	5	5
Calcium	239,000	209,000	238,000	217,000	236,000	240,000	173,000		5,000
Chromium	1.8	1.5	4.4	2.4	1.5	0.8	0.8	11	10
Cobalt	0.4	0.6	0.6	0.7	0.6	0.6	0.6		50
Copper	2.1	1.2	1.2	1.2	1.2	0.7	0.8	25	25
Iron	28.8	31	9.1	9.1	9.1	10.5	10.5	7,000	100
Lead	1.5	2.4	2.4	2.4	2.4 UJ	1.4	1.4	4.2	3
Magnesium	49,000	43,900	53,500	44,200	53,900	54,600	32,800		5,000
Manganese	4.5 J	0.6	13.6	1.3	0.6	0.1	0.2		15
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1	0.2	0.2
Nickel	2.6	2.2	1.1	1.2	1.1	0.4	0.4	96	40
Potassium	32,800	29,200	25,200	32,500 J	19,200	23,200	27,500 J		5,000
Selenium	4.4 UJ	4.4 R	4.4 UJ	4.4	4.4 R	3.5 UJ	3.5 UJ	8.5	5
Silver	0.4	0.9	1.2	0.9	0.9	1.1	3.2	10	10
Sodium	166,000	145,000	179,000	134,000	135,000	151,000	96,600		5,000
Thallium	3.1 J	6.3 UJ	6.3	6.3	6.3	4.1	4.1	40	10
Vanadium	1.4	1.1	1.1	8.6	16.0	16.0	6.5		50
Zinc	3.1	0.7	0.7	0.7	13.3	12.5	1.1	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	816	754	4,300 J	1,040 J	7,180	2,390 J	1,410 J		
Antimony	4.7	3.9	4.9	4.2	13.7 J	7.2	4.0 UJ		
Arsenic	2.9	5.4	5.4	28.2 J	5.4	4.1	8.8		
Barium	55	58.4	214	44.6 J	328	85.2	72.5		
B[illegible]n	0.2	0.2	0.2	0.2	0.3	0.1	0.1		
C[illegible]	0.2	0.3	0.3	0.3	1.5	0.1	0.1		
Calcium	243,000	234,000	276,000	211,000	275,000	238,000 J	177,000		
Chromium	5.5	3.7	22.8	6.8	28.7	30.7	5.5 J		
Cobalt	2.1	2.5	8.4	2.1	13.1	4.7	1.5		
Copper	10.1	4.1	6.5 J	2.7	18.4 J	5.0 J	6.6		
Cyanide	1	0.6	0.5	0.5	0.6	0.6	0.6	10	10
Iron	3,020	2,710	14,000	4,260 J	23,600	10,500 J	4,990		
Lead	1.5	4.7 J	11.7 J	2.4	8.6 J	2.4	2.6		
Magnesium	51,500	49,100	58,000	40,400	61,100	56,000 J	34,300		
Manganese	224	357	1,180	295	1,680	566 J	236		
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1		
Nickel	6.7	6.3	19.0	6.6	32.7	0.4	4.9 J		
Potassium	32,500	32,900	28,600	33,700 J	22,000	22,500	25,900		
Selenium	4.4 UJ	4.4 UJ	4.4 R	4.4	4.4 UJ	3.5 R	3.5 UJ		
Silver	0.4	0.9	0.9	0.9	0.9	1.1	2.7		
Sodium	162,000	152,000	184,000	127,000	143,000	148,000 J	93,900		
Thallium	2.6	6.3	6.3	6.3	6.3 UJ	4.1 UJ	4.1 UJ		
Vanadium	2.3	1.1	1.2	10.6	25.1 J	19.5 J	9.9 J		
Zinc	7.9	10.6	34.4 J	15.0 J	68.0	36.0	13.1 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
1,1-Dichloroethane	1.0 U	0.18 J	0.098 J	0.18 J	1.0 U	1.0 U	0.13 J		10
Ethylbenzene			*0.016 J*	*1.0 U*	*1.0 U*	*1.0 U*	*1.0 U*	62	*10*
Carbon Disulfide							3.5		10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	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.
[illegible] The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
[illegible] 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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Insufficient Volume		Insufficient Volume				Insufficient Volume		
Aluminum	25.8	57.9	—	55.3 J	55.3	50.4	—		200
Antimony	5.1	3.9	—	7.4	11.0	4.0	—	60	60
Arsenic	2.9	5.4	—	35.4 J	5.4	4.5	—	20	10
Barium	27.1	37	—	85.2 J	48.7	18.7	—	1,000	200
Beryllium	0.2	0.2	—	0.2	0.2	0.1	—	5	5
Cadmium	0.2	0.6	—	0.3	0.3	0.1	—	5	5
Calcium	309,000	163,000	—	298,000	299,000	137,000	—		5,000
Chromium	2.6	1.5	—	3.0	1.5	5.1	—	11	10
Cobalt	0.4	0.6	—	0.6	0.6	0.6	—		50
Copper	4	1.2	—	1.2	1.2	0.7	—	25	25
Iron	14.1	26.4	—	9.1 J	58.5	10.5	—	7,000	100
Lead	1.5	2.4	—	2.4 J	2.4 UJ	1.4	—	4.2	3
Magnesium	88,200	28,800	—	50,800 J	61,600	30,100	—		5,000
Manganese	0.5 J	1.4	—	1.0	1.7	0.9	—		15
Mercury	0.1	0.1	—	0.1	0.1 UJ	0.1	—	0.2	0.2
Nickel	2.4	2.1	—	1.2	1.1	0.4	—	96	40
Potassium	6,480	6,640	—	13,100 J	8,350	6,810	—		5,000
Selenium	4.4 UJ	4.4 R	—	6.8 J	4.4 R	3.5 UJ	—	8.5	5
Silver	0.4	0.9	—	0.9	0.9	1.1	—	10	10
Sodium	46,000	46,000	—	89,800	74,800	20,300	—		5,000
Thallium	2.6	6.3 UJ	—	6.3	6.3	4.1	—	40	10
Vanadium	0.8	1.1	—	9.9	16.7	11.3	—		50
Zinc	0.6	0.7	—	0.7 J	7.0	9.9	—	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	32,500	16,300	—	23,700	18,300	74,200 J	—		
Antimony	9.7	8.2	—	3.9	5.3 J	36.7	—		
Arsenic	17	5.4	—	49.9 J	5.4	3.8	—		
Barium	129	88.1	—	159	111	181	—		
P[illegible]	2.5	1.3	—	1.3	1.0	4.3	—		
C[illegible]	2.8	1.2	—	0.3	0.3	0.1	—		
Calcium	492,000	234,000	—	337,000	342,000	568,000 J	—		
Chromium	59.6	31.6	—	44.0	33.4	106	—		
Cobalt	36.1	19.1	—	25.3	19.2	77.6	—		
Copper	54.5	26.9	—	25.4	25.3 J	83.7 J	—		
Cyanide	—	0.5	—	0.5	—	—	—	10	10
Iron	74,200	41,800	—	58,100	42,400	160,000 J	—		
Lead	40.4	26.9 J	—	35.0	20.6 J	78.7	—		
Magnesium	112,000	41,900	—	62,200 J	73,500.0	86,700 J	—		
Manganese	1,410	785	—	1,880	1,960.0	4,340 J	—		
Mercury	0.1	0.1	—	0.1	0.1 UJ	0.2	—		
Nickel	67.3	37.8	—	50.1	34.8	105	—		
Potassium	11,800	10,600	—	17,600 J	12,600	19,100	—		
Selenium	4.4 UJ	4.4 UJ	—	9.9	4.4 UJ	3.5 R	—		
Silver	0.4	0.9	—	0.9	0.9	1.1	—		
Sodium	44,600	45,000	—	89,000	78,600	19,500 J	—		
Thallium	11 J	6.3	—	6.3	6.3 UJ	4.1 UJ	—		
Vanadium	51.2	19.8	—	55.0	39.8 J	103 J	—		
Zinc	180	97.3	—	140	116	391	—		
Volatile Organic Compounds (VOCs)	BRL	BRL	—	BRL	BRL		—		
Benzene					1.0 J	0.083 J		5	10
Carbon disulfide				0.53 J	1.0 U	1.0 U			10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	—	BRL	BRL	BRL	—		
N-Nitrosodiphenylamine				0.954 U	11.6 U	10.6 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.
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) J = A value less than the CRQL but greater than the MDL.
[illegible] The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
[illegible] 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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]									
Aluminum	25.8	55.3	55.3	55.3	55.3	16.4	16.4		200
Antimony	4.5	4.5	7.5	7.5	5.7	7.6	4.0 UJ	60	60
Arsenic	2.9	5.4	5.4	31.2 J	12.9 J	3.8	3.8	20	10
Barium	39.4	45.3 J	65.0	65.6	35.2	46.3	70.7	1,000	200
Beryllium	0.1	0.2	0.2	0.2	0.2	0.1	0.1	5	5
Cadmium	0.3	0.9	0.3	0.3	0.3	0.1	0.1	5	5
Calcium	191,000	178,000	199,000	216,000	183,000	211,000	228,000		5,000
Chromium	1.1	1.5	3.8	1.9	1.5	0.8	14.4	11	10
Cobalt	1.4	1.4	1.3	1.6	0.9	1.4	0.6		50
Copper	8	1.2	1.2	1.2	1.2	0.7	2.6	25	25
Iron	187	1,370 J	4,410	1,310	32.1	122	169	5,000	100
Lead	1.5	2.4 UJ	2.4 UJ	2.4	2.4 UJ	1.4	1.4	4.2	3
Magnesium	29,100	34,100	40,500	41,500	33,500	45,800	39,800		5,000
Manganese	485	481	686	564	713	953	217		15
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1	0.2	0.2
Nickel	4.2	4.7 J	4.0	3.6	2.0	0.4	9.2	96	40
Potassium	6,990	7,160	8,690 J	8,360 J	6,540	7,010	10,400 J		5,000
Selenium	4.4 UJ	4.4	4.4 UJ	4.5	4.4 R	3.5 UJ	3.5 UJ	8.5	5
Silver	0.4	0.9	0.9	0.9	0.9	1.1	3.2	10	10
Sodium	27,900	28,600	28,400 J	56,600	24,800	35,400	34,300		5,000
Thallium	2.6	6.3	8.2 J	6.3	6.3	4.1	4.1 UJ	40	10
Vanadium	1.2	1.1	4.4	8.8	9.3	12.9	6.2		50
Zinc	0.6	0.7 UJ	0.7	0.7	7.0	13.7	1.1	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	452	5,090 J	7,740 J	6,330 J	4,610	5,930 J	602 J		
Antimony	4.8	5.2	3.9	4.3	6.2 J	10.4	4.0 UJ		
Arsenic	2.9	5.4 UJ	5.4	40.5 J	7.6 J	8.8	7.5		
Barium	44.1	108 J	155	121 J	79.7	101.0	75.7		
[illegible]um	0.2	0.6	0.2	0.2	0.2	0.2	0.1		
[illegible]um	0.3	1.2	0.3	0.3	0.3	0.1	0.1		
Calcium	187,000	217,000 J	278,000	237,000	222,000	233,000 J	230,000		
Chromium	1.9	8.1 J	15.0	12.3	8.5	9.1	1.2 J		
Cobalt	1.7	6.5	8.2	5.8	4.7	6.4	1.1		
Copper	22.2	12.4 J	12.6 J	8.0	9.5 J	11.6 J	5.0		
Cyanide	0.5	0.5	0.8	0.5	0.5	0.6	0.6	10	10
Iron	2,430	17,500 J	26,200	16,100 J	13,500	18,200 J	2,070		
Lead	22.1	9.3 J	10.3 J	4.7 J	2.4 UJ	8.3	1.4		
Magnesium	30,000	45,200 J	59,700	45,600 J	44,500	51,700 J	39,800		
Manganese	527	751 J	1,190	754	923	1,110 J	224		
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1		
Nickel	4.3	17.2 J	19.3	14.8	10.9	0.4	4.7 J		
Potassium	6,950	9,300	10,900	10,400 J	8,380	8,270	10,600		
Selenium	4.4 UJ	4.4	4.4 R	5.2 J	4.4 UJ	3.5 R	3.5 UJ		
Silver	0.4	0.9	0.9	0.9	0.9	1.1	2.6		
Sodium	27,000	30,300 J	32,800	57,400	27,800	33,500 J	33,800		
Thallium	2.6	6.3	6.3	6.3	6.3 UJ	4.1 UJ	4.1 UJ		
Vanadium	2.1	3.4	6.6	21.7	18.2 J	21.8 J	8.5 J		
Zinc	7.3 J	22.4 UJ	56.9 J	39.5 J	37.8	54.3	14.6 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon disulfide	1.0 U	1.0 U	0.43 J	1.0 U	1.0 U	1.0 U	1.7		10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Bis(2-Chloroethyl)ether		0.665 J	0.893 J	10.0 U	10.4 U	0.535 J	10.0 J	13.6	10
Bis (2-ethlyhexyl) phthalate	10.0 U	10.0 U	10.0 U	10.0 U	10.4 U	10.0 U	10.0 U	49	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Dieldrin							0.024 J		
Heptachlor Epoxide							0.028 J		

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) [illegible] = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) [illegible]J = 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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]									
Aluminum	25.8	55.3	55.3	55.3	1,180	36.6	16.4		200
Antimony	3.7	4.7	5.4	5.4	5.5	6.7	4.0	60	60
Arsenic	2.9	5.4	5.4	16.5 J	8.1 J	3.8	3.8 UJ	20	10
Barium	111	117	111	68.5	125	112	57.4	1,000	200
Beryllium	0.1	0.2	0.2	0.2	0.2	0.1	0.1	5	5
Cadmium	0.2	0.3	0.3	0.3	0.3	0.1	0.1	5	5
Calcium	122,000	122,000	132,000	88,000	133,000	133,000	92,600		5,000
Chromium	2.1	2.8	4.5	3.3	4.3	0.8	0.8	11	10
Cobalt	0.5	0.6	0.6	0.6	1.2	0.6	0.6		50
Copper	1.2	1.2	1.2	1.2	1.4	0.7	0.7	25	25
Iron	14.1	27	9.1	10.2	2,870	10.5	10.5	7,000	100
Lead	1.5	2.4	2.4	2.4	2.4 UJ	1.4	1.4	4.2	3
Magnesium	48,700	47,700	49,400	32,700	51,300	55,900	25,700		5,000
Manganese	164 J	58.2	29.2	9.7	239	65.0	11.9		15
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1	0.2	0.2
Nickel	1.8	2.2	1.1	1.1	5.1	0.4	0.5	96	40
Potassium	11,100	10,900	10,000 J	6,680 J	9,340	8,910	3,800 J		5,000
Selenium	4.4 UJ	4.4 R	4.4 UJ	4.4	4.4 R	3.5 UJ	3.5 UJ	8.5	5
Silver	0.4	0.9	1.6	0.9	0.9	1.1	1.4	10	10
Sodium	120,000	108,000	120,000 J	77,000	111,000	126,000	56,700		5,000
Thallium	2.6	6.3 UJ	6.3	6.3	6.3	4.1	4.1	40	10
Vanadium	1.6	1.1	1.1	8.2	15.2	16.0	5.6		50
Zinc	0.6	3.7	0.7	5.2	15.2	5.5	1.1	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	13,200	4,100	5,690 J	12,400 J	44,600	19,800 J	28,300		
Antimony	6.1	8.0	3.9	3.9	27.5 J	15.5	4.0		
Arsenic	8.3	5.4	5.4	37.6 J	5.4	4.5	31.1 J		
Barium	361	226	237	363 J	867	464	457		
Beryllium	1.1	0.3	0.2	0.5	2.2	0.9	1.8		
Cadmium	1.6	0.3	0.3	0.3	9.8	0.1	0.3		
Calcium	337,000	231,000	200,000	239,000	886,000	274,000 J	414,000		
Chromium	29.6	10.7	17.8	33.9	73.4	42.5	66.3		
Cobalt	15.6	5.4	6.2	13.9	51.5	20.5	29.1		
Copper	42.7	8.8	9.6 J	25.1	86.3 J	40.8 J	81.9		
Cyanide	1.0	0.5	0.6	0.5	—	0.6	0.7	10.0	10.0
Iron	35,000	9,710	14,200	31,900 J	99,000	48,000 J	64,200		
Lead	39.5	12 J	16.8 J	23.9 J	62 J	32.3	48.1		
Magnesium	88,000	57,500	57,400	68,800 J	107,000	79,000 J	107,000		
Manganese	1,460	746	608	1,030	5,270	1,430 J	2,210		
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1		
Nickel	35.4	13.1	12.3	35.1	101	15.8	66.5		
Potassium	13,900	12,100	12,000	13,800 J	18,700	13,200	17,500		
Selenium	4.4 UJ	4.4 UJ	4.4 R	8.1 J	4.4 UJ	3.5 R	3.5 R		
Silver	0.4	0.9	0.9	0.9	0.9	1.1	9.8		
Sodium	123,000	108,000	121,000	118,000	123,000	122,000 J	119,000		
Thallium	6.9 J	6.3	6.3	6.3	6.3 UJ	4.1 UJ	4.1		
Vanadium	23.0	1.1	1.9	37.1	72.9 J	42.8 J	56.5		
Zinc	101	34.7	42.9 J	97.8 J	324	150.0	219		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Benzene			0.035 J	1.0 U	1.0 U	1.0 U	1.0 U	5	10
Ethylbenzene			0.019 J	1.0 U	1.0 U	1.0 U	1.0 U	62	10
Xylene (total)			0.039 J	1.0 U	1.0 U	1.0 U	1.0 U	10,000	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	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	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Insufficient Volume	Well is Dry	Insufficient Volume	Insufficient Volume	Well is Dry	Well is Dry		
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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]									
Aluminum	25.8	82.4	55.3	55.3	55.3	31.7	322		200
Antimony	3.8	11.3	5.7	6.2	7.8	6.4	4.0	60	60
Arsenic	2.9	5.4	5.4	30.4 J	14.8 J	3.8	3.8 UJ	20	10
Barium	20.1	29.9 J	50.6	41.3	31.7	31.0	117	1,000	200
Beryllium	0.2	0.5	0.2	0.2	0.2	0.1	0.1	5	5
Cadmium	0.2	1.3	0.3	0.3	0.3	0.1	0.1	5	5
Calcium	295,000	287,000	292,000	252,000	286,000	245,000	141,000		5,000
Chromium	1.8	1.5	4.7	3.2	1.5	0.8	0.8	11	10
Cobalt	1.1	3.6	2.9	2.6	2.4	2.1	0.6		50
Copper	2	1.2	1.2	1.2	1.2	0.7	1.5	25	25
Iron	21.4	620 J	1,150	1,220	655	1,840	383	7,000	100
Lead	1.5	2.4 UJ	2.4	2.4	2.4 UJ	1.4	1.4	4.2	3
Magnesium	67,000	67,400	63,300	57,900	69,600	56,800	54,200		5,000
Manganese	271 J	1,840 J	2,610	1,970	1,530	1,980	120		15
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1	0.2	0.2
Nickel	3.2	8.8 J	4.0	3.8	1.6	0.4	1.7	96	40
Potassium	5,210	7,800 J	9,090 J	8,450 J	5,920	7,300	10,600 J		5,000
Selenium	4.4 UJ	4.4	4.4 UJ	6.8	4.4	3.5 J	3.5 UJ	8.5	5
Silver	0.4	0.9	0.9	0.9	0.9	1.1	2.4	10	10
Sodium	46,100	75,100 J	99,800 J	50,700	44,700	66,300	120,000		5,000
Thallium	4.6	6.3	6.3	6.3	6.3	4.1	4.1	40	10
Vanadium	0.8	1.1	1.1	10.9	16.5	14.7	6.8		50
Zinc	0.6	0.7 UJ	0.7	0.7	8.3	10.2	36.6	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	26,600	44,700 J	37,200 J	30,700 J	62,600	99,900 J	39,100		
Antimony	5.7	13.6	3.9	3.9	30.1 J	53.5	4.0		
Arsenic	17.1	9.7 J	5.4	74.0 J	5.4	3.8	40.9 J		
Barium	186	334 J	279	244 J	393	617	315		
Beryllium	2.1	3.4	1.4	1.7	3.5	5.3	3.0		
Cadmium	2.5	3.9	0.3	0.3	0.3	0.1	0.5		
Calcium	465,000	659,000 J	569,000	752,000	702,000	922,000 J	737,000		
Chromium	38.2	66.8 J	52.0	41.9	67.9	120	66.4		
Cobalt	28.3	56.1	41.1	38.6	60.7	99.3	43.8		
Copper	69.2	104 J	64.0 J	43.0	124 J	187 J	94.9		
Cyanide	0.5	1.2	0.7	0.5	0.5 U	0.6	0.8	10	10
Iron	63,200	112,000 J	84,700	69,800 J	141,000	223,000 J	88,300		
Lead	41	76.4 J	57.4 J	46.6 J	85.6 J	140	46.8		
Magnesium	111,000	148,000 J	121,000	106,000 J	157,000	184,000 J	118,000		
Manganese	2,570	5,580 J	5,250	6,160	5,660	8,490 J	6,100		
Mercury	0.1	0.1	0.1	0.1	0.1 J	0.2	0.1		
Nickel	58.1	114 J	83.3	68.7	119	171	85.4		
Potassium	9,320	15,800 J	15,500	16,100 J	15,200	22,000	19,000		
Selenium	4.4 UJ	7.2	4.4 R	12.3 J	17.2 J	3.5 R	3.5 R		
Silver	0.4	0.9	0.9	0.9	0.9	1.1	12.4		
Sodium	45,000	81,700 J	100,000	53,100	45,800	71,100 J	77,700		
Thallium	8.5 J	6.3	6.3	6.3	6.3 UJ	4.1 UJ	4.1		
Vanadium	43	69.3	58.7	74.1	90.7 J	1.0 J	72.7		
Zinc	176 J	292 J	243 J	199 J	403	637	233		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Acetone	5.0 R	5.0 R	5.0 R	5.0 R	5.0 R	5.0 R	5.5 R		10
Benzene			0.027	1.0 U	1.0 U	0.13 J	1.0 U	5	10
Carbon disulfide	1.0 U	1.0 U	0.075 J	1.0 U	1.0 U	1.0 U	1.0 U		10
Ethylbenzene			0.022 J	1.0 U	1.0 U	1.0 U	1.0 U	62	10
Xylene (total)			0.037 J	1.0 U	1.0 U	1.0 U	1.0 U	10,000	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate		0.692 J	10.0 U	10.0 U	10.0 U	10.0 U	12.2 UJ	10	10
Butylbenzylphthalate	0.61 J	10.0 U	10.0 U	10.0 U	0.771 J	1.07 J	12.2 UJ	10	10
Pesticides / PCBs	BRL	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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]									
Aluminum	25.8	55.3	55.3	55.3	55.3	23.4	16.4		200
Antimony	3.7	6.9	7.1	5.9	3.9	5.8	4.0	60	60
Arsenic	2.9	5.4	5.4	23.6 J	5.4	3.8	3.8 UJ	20	10
Barium	28.3	29.3	26.6	28.3	29.6	32.1	64.6	1,000	200
Beryllium	0.1	0.2	0.2	0.2	0.2	0.1	0.1	5	5
Cadmium	0.2	0.3	0.3	0.3	0.3	0.1	0.1	5	5
Calcium	176,000	170,000	184,000	173,000	182,000	181,000	234,000		5,000
Chromium	1.7	3.5	6.0	2.6	1.5	0.8	0.8	11	10
Cobalt	1.8	1.2	0.9	1.1	0.6	0.6	2.0		50
Copper	1.2	2.2	1.2	1.2	1.2	0.7	0.7	25	25
Iron	14	35.5	9.1	9.1	9.1	10.5	128	7,000	100
Lead	1.5	2.4	2.4	2.4	2.4 UJ	1.4	1.4	4.2	3
Magnesium	56,700	55,100	59,600	58,000	59,200	57,300	51,700		5,000
Manganese	1,170 J	2,270	100	830	863	115	1,970		15
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1	0.2	0.2
Nickel	7.8	10.7	2.8	9.4	5.1	0.4	3.5	96	40
Potassium	12,900	17,500	20,400 J	18,000 J	10,200	10,100	10,400 J		5,000
Selenium	4.4 UJ	4.4 R	4.4 UJ	4.4	4.4 R	3.5 UJ	3.5 UJ	8.5	5
Silver	0.4	0.9	1.1	0.9	0.9	1.1	1.7	10	10
Sodium	53,900	61,400	64,400 J	56,200	45,000	46,300	74,700		5,000
Thallium	2.6	6.3 UJ	6.3	6.3	6.3	4.1	4.1	40	10
Vanadium	0.8	1.1	1.1	9.6	13.4	15.8	6.2		50
Zinc	0.6	0.7	0.7	0.7	5.1	7.5	4.7	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	3,080	3,440	14,600 J	15,100 J	15,800	66,200 J	23,500		
Antimony	4.9	4.8	3.9	3.9	12.0 J	33.4	4.0		
[illegible]	2.9	5.4	5.4	36.4 J	5.4	3.8	16.8		
Barium	37.1	36.6	59.8	68.7 J	66.6	174	109		
Beryllium	0.3	0.5	0.3	0.8	0.8	3.7	1.4		
Cadmium	0.2	0.7	0.3	0.3	0.3	0.1	0.1		
Calcium	213,000	213,000	224,000	245,000	249,000	441,000 J	267,000		
Chromium	7	2.8	24.3	28.7	22.7	93.8	44.3		
Cobalt	5.4	6.3	13.6	17.2	18.3	63.9	21.0		
Copper	11.3	7.4	14.9 J	17.7	18.2 J	66.4 J	37.3		
Cyanide	1.3	0.5	1.2	0.5	0.5	0.6	0.7	10	10
Iron	7,520	8,940	34,500	38,600 J	38,200	150,000 J	49,900		
Lead	1.5	6.2 J	14.4 J	15.1 J	11.0 J	58.9	13.5		
Magnesium	66,000	56,200	67,300	74,100 J	71,100	105,000 J	71,600		
Manganese	1,650	2,840	1,460	2,530	2,550	4,290 J	2,140		
Mercury	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.1		
Nickel	16.4	20.3	32.3	42.9	36.3	102	44.6		
Potassium	15,000	18,400	23,500	21,200 J	14,500	21,000	16,100		
Selenium	4.4 UJ	4.4 UJ	4.4 R	5.1 J	4.4 UJ	3.5 R	3.5		
Silver	0.4	0.9	0.9	0.9	0.9	1.1	7.0		
Sodium	59,800	58,200	63,100	56,300	49,600	46,300 J	45,100		
Thallium	2.6	6.3	6.3	6.3	6.3 UJ	4.1 UJ	4.1		
Vanadium	5.3	1.1	16.0	40.8	32.3 J	89.3 J	42.4		
Zinc	13.6 J	19.1	70.3 J	83.1 J	82.4	337	112		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	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) [illegible] = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) [illegible]J = 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	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Insufficient Volume	Well is Dry	Insufficient Volume	Well is Dry	Well is Dry	Insufficient Volume		
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		
Semi-Volatile Organic Compounds (SVOCs)	BRL	—	—	—	—	—		
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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]									
Aluminum	25.8	74.3	55.3	55.3	55.3	25.2	16.4		200
Antimony	3.7	4.7	9.9	3.9	5.9	4.0	4.0	60	60
Arsenic	2.9	5.4	5.4	13.1 J	5.4	6.8	3.8 UJ	20	10
Barium	35.8	50.9	56.3	38.4	40.2	53.1	57.5	1,000	200
Beryllium	0.1	0.3	0.2	0.2	0.2	0.1	0.1	5	5
Cadmium	0.1	1.2	0.3	0.3	0.3	0.1	0.1	5	5
Calcium	103,000	92,300	95,700	10,900	93,500	89,000	90,900		5,000
Chromium	1.6	1.5	3.5	3.8 J	1.5	5.4	0.8	11	10
Cobalt	0.4	0.6	0.6	0.6	0.6	0.6	0.6		50
Copper	4.3	1.4	1.2	1.2	1.2	0.7	1.7	25	25
Iron	14.1	36.5	9.1	9.1	9.1	10.5	10.5	7,000	100
Lead	1.5	2.4	2.4 UJ	2.4 UJ	2.4 UJ	1.4 UJ	1.4	4.2	3
Magnesium	29,700	28,600	28,500	30,500	30,900	28,000	25,700		5,000
Manganese	30.0 J	5.0	27.1	2.8	0.9	7.4 J	3.5		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	1	2.8	1.1	1.1	1.1	0.4 UJ	0.4	96	40
Potassium	2,980	3,160	4,340	2,180	1,870	3,460	3,960 J		5,000
Selenium	4.4 R	4.4 R	4.4 R	7.9 J	4.4 R	3.5 R	3.5 UJ	8.5	5
Silver	*0.4*	*0.9*	*1.3*	*1.0*	*0.9*	*1.1*	*1.1*	*10*	*10*
Sodium	59,200	38,700	49,200 J	45,800	90,000	53,000	54,200		5,000
Thallium	2.6	6.3	6.3	6.3	6.3 UJ	4.1	4.1	40	10
Vanadium	2.2	1.1	4.0	7.8	9.5	11.5	5.1		50
Zinc	0.6	0.7 UJ	0.7	0.7	3.7	8.3	1.1	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	62,300 J	100	55.3	55.3	55.3	46.2	36.8		
Antimony	7.3 J	3.9	3.9	3.9	3.9	4.0	4.0		
Arsenic	50.7 J	5.4	5.4	18.2	5.4	7.2	3.8 UJ		
Barium	499 J	53	57.6	39.1	40.1	50.5	58.9		
Beryllium	4.9	0.2	0.2	0.2	0.2	0.1	0.1		
Cadmium	5	0.9	0.3	0.3	0.3	0.1	0.1		
Calcium	427,000 J	93,500	93,400	106,000	92,900	85,200	91,800		
Chromium	72.6 J	1.5	2.9	2.2	1.5	29.8	0.8		
Cobalt	59.7	0.6	0.6	0.6	0.6	0.6	0.6		
Copper	131 J	1.2	1.2	1.2	1.2	1.4	1.8		
Cyanide	0.8	0.5	0.5	0.5	0.6	0.6	0.6	10	10
Iron	124,000 J	102	9.1	34.2	15.0	132.0	13.3		
Lead	122 J	2.4	2.4	2.4 UJ	2.4 UJ	1.4 UJ	1.4		
Magnesium	80,300	30,200	26,800	30,600	30,200	26,500	26,300		
Manganese	5,690	8.1	43.3	4.5	1.2	10.4 J	5.4		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Nickel	116 J	1.1	1.1	1.1	1.1	0.4 UJ	0.4		
Potassium	12,200	3,230	3,910	2,150	1,760	3,310	3,950 R		
Selenium	4.4 R	4.4	4.4 R	4.4 UJ	4.4 R	3.5 R	3.5		
Silver	*0.4*	*0.9*	*0.9*	*0.9*	*0.9*	*1.1*	*1.2*		
Sodium	60,200	40,300	48,100	44,600	89,000	51,200	54,400		
Thallium	2.6	6.3	6.3	7.4 J	6.3	4.1	4.1		
Vanadium	105	1.1	1.1	6.3	9.7	11.8	4.3		
Zinc	490 J	0.7 UJ	0.7	0.7	1.7	7.1 J	9.8		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Acetone					2.2 R	5.0 U	5.0 U		10
1,2,4-Trichlorobenzene			0.026 J	1.0 U	1.0 U	1.0 U	1.0 U	77	10
Chloroform			0.019 J	1.0 U	1.0 U	0.14 J	1.0 U	79	10
Carbon Disulfide				0.53 J	1.0 U	1.0 U	1.0 U		
Semi-Volatile Organic Compounds (SVOCs)	*10.0 U*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*		
Fluoranthene	0.84 J	10.0 U	10.0 U	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	10.0 U	10.0 U	10	10
Pyrene	0.67 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U		10
Diethylphthalate	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U		10
Pesticides / PCBs	BRL	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.

EarthTech

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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]									
Aluminum	25.8	89.6	55.3	55.3	55.3	18.1	16.4		200
Antimony	3.7	3.9	3.9	3.9	3.9	4.0	4.0	60	60
Arsenic	2.9	5.4	7.7	12.1 J	5.4	8.7	3.8 UJ	20	10
Barium	35.8	46.2	51.0	39.1	41	48.6	0.2	1,000	200
Beryllium	0.1	0.3	0.2	0.2	0.2	0.1	0.1	5	5
Cadmium	0.1	1.2	0.3	0.3	0.3	0.1	0.3	5	5
Calcium	106,000	89,600	89,300	110,000	95,500	94,700	53.9		5,000
Chromium	1.6	1.5	3.1	1.5 J	1.5	12.7	1.3	11	10
Cobalt	0.4	0.6	0.6	0.6	0.6	0.6	0.6		50
Copper	4.3	1.2	1.2	1.2	1.2	0.7	0.7	25	25
Iron	14.1	41.5	9.1	9.1	9.1	35.3	10.5	7,000	100
Lead	1.5	2.4	2.4	2.4 UJ	2.4 UJ	1.4 UJ	1.4	4.2	3
Magnesium	31,500	29,200	29,300	32,000	31,500	29,400	13.0		5,000
Manganese	29.9 J	4.3	2.6	5.6	1.3	4.8 J	0.1		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	1.0	2.5	1.1	1.1	1.1	0.4 UJ	1.2	96	40
Potassium	2,160	3,010	3,960	2,160	1,800	3,060	54.2		5,000
Selenium	4.4 R	4.4 R	4.4 R	4.4 UJ	4.4 R	3.5 R	3.5	8.5	5
Silver	0.4	0.9	1.2	0.9	0.9	1.1	1.1	10	10
Sodium	60,200	41,100	49,200 J	46,700	102,000	53,700	400		5,000
Thallium	2.6	6.3	6.3	6.3	6.3 UJ	4.1	4.1	40	10
Vanadium	2.4	1.1	1.1	7.0	9.5	13.2	0.6		50
Zinc	0.6	0.7 UJ	0.7	0.7	2.5	9.3	2.6	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	9,250 J	55.3	55.3	55.3	55.3	43.6	30.1		
Antimony	7.3 J	4.6	6.7	3.9	3.9	4.0	4.0		
Arsenic	50.7 J	5.4	5.4	19.4	5.4	9.1	3.8 UJ		
Barium	499 J	48.9	50.7	39.7	40.0	50.4	52.0		
Beryllium	4.9	0.2	0.2	0.2	0.2	0.1	0.1		
Cadmium	5	0.7	0.3	0.3	0.3	0.1	0.1		
Calcium	153,000 J	89,900	89,400	110,000	90,500	95,300	87,300		
Chromium	72.6 J	1.5	2.6	1.7	1.5	7.6	0.8		
Cobalt	7.8	0.6	0.6	0.6	0.6	0.6	0.6		
Copper	131 J	1.2	1.2	1.2	1.2	0.7	0.9		
Cyanide	0.8	0.5	0.5	0.5	0.6	0.6	0.6	10	10
Iron	124000 J	63.6	82.8	39.0	28.6	27.9 U	45.0		
Lead	122 J	2.4	2.4	2.4 UJ	2.4 UJ	1.4 UJ	1.4		
Magnesium	38,900 J	26,900	27,300	32,500	29,800	30,600	24,600		
Manganese	685 J	7.1	12.2	6.7	2.4	5.4 J	7.4		
Mercury	0.1	0.1	0.1	0.100	0.1	0.1	0.1		
Nickel	116 J	1.3	1.1	1.100	1.1	0.4 UJ	0.4		
Potassium	4,470	2,870	3,890	2,130	1,760.0	3,080	3,610		
Selenium	4.4 R	4.4	4.4 R	4.6 J	4.4 R	3.5 R	3.5 R		
Silver	0.4	0.9	1.1	0.9	0.9	1.1	1.1		
Sodium	61,800	40,900	49,400	44,900	100,000	56,100	54,000		
Thallium	2.6	6.3	6.3	6.3 UJ	6.3	4.1	4.1		
Vanadium	18.7 J	1.1	1.1	6.8	9.2	12.9	5.1		
Zinc	490 J	0.7 UJ	0.7	0.7	2.4	4.8 J	1.1		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Acetone				5.0 R	5.0 R	5.0 R	5.0 R		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	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)
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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	**March-04**	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]									
Aluminum	25.8	81.9	55.3	55.3	55.3	30.0	16.4		200
Antimony	3.7	5.5	8.8	3.9	3.9	4.0	4.0	60	60
Arsenic	2.9	5.4	5.4	20.1 J	10.0 J	3.8	3.8 UJ	20	10
Barium	36.7	50.7	54.3	40.4	42.2	48.2	51.4	1,000	200
Beryllium	0.1	0.3	0.2	0.2	0.2	0.1	0.1	5	5
Cadmium	0.2	1.1	0.3	0.3	0.3	0.1	0.1	5	5
Calcium	107,000	92,700	96,400	112,000	97,600	94,500	86,800		5,000
Chromium	1.7	1.5	3.0	1.6 J	1.5	0.8	0.8	11	10
Cobalt	0.4	0.6	0.6	0.6	0.6	0.6	0.6		50
Copper	3	1.5	1.2	1.2	1.2	0.7	1.3	25	25
Iron	14.1	52.3	9.1	9.1	9.1	10.5	10.5	7,000	100
Lead	1.5	2.4 UJ	2.4	2.4 UJ	2.4 UJ	1.4 UJ	1.4	4.2	3
Magnesium	30,700	29,200	27,300	32,100	31,500	26,100	24,900		5,000
Manganese	1.5 J	5.1	24.0	5.0	1.3	3.9 J	5.1		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	2.4	2.1	1.1	1.1	1.1	0.4 UJ	0.4	96	40
Potassium	1,900	3,260	3,600	2,100	1,660	3,510	3,570 J		5,000
Selenium	4.4 R	4.4 R	4.4 R	4.4 UJ	4.4 R	3.5 R	3.5 UJ	8.5	5
Silver	0.4	0.9	1.5	0.9	0.9	1.1	1.3	10	10
Sodium	61,400	39,400	49,600 J	49,700	88,900	54,900	53,500		5,000
Thallium	2.6	6.3	6.3	6.3	6.3 UJ	4.1	4.1	40	10
Vanadium	1.9	1.1	1.1	8.0	9.8	10.9	4.8		50
Zinc	3.4	0.7 UJ	0.7	0.7	3.6	8.9	1.1	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	26.8 J	100	55.3	55.3	55.3	97.2	118		
Antimony	3.7 UJ	3.9	3.9	4.6	3.9	4.0	4.0		
Arsenic	11.1 J	5.4	5.4	20.1	9.8 J	3.9	3.8		
Barium	112 J	51.6	53.3	42.3	39.9	49.5	54.6		
Beryllium	0.7	0.2	0.2	0.2	0.2	0.1	0.1		
Cadmium	0.5	1.1	0.3	0.3	0.3	0.1	0.1		
Calcium	108,000 J	98,900	98,000	10,900	90,100	89,800	86,600		
Chromium	12.7 J	1.5	3.0	1.9	1.5	5.1	0.8		
Cobalt	0.5	0.6	0.6	0.6	0.6	0.6	0.6		
Copper	22 J	1.2	1.2	1.2	1.2	0.7	0.7		
Cyanide	0.6	0.5	0.5	0.5	0.6	0.6	0.8	10	10
Iron	17800 J	81.7	88.8	55.9	24.2	38.3 U	147		
Lead	17.3 J	2.4	2.4	2.4 UJ	2.4 UJ	1.4 UJ	1.4		
Mangesium	31,100 J	29,700	26,200	31,100	28,700	25,600	23,700		
Manganese	3.2 J	9.8	28.1	7.3	1.5	7.6 J	22.0		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Nickel	16.4 J	1.4	1.1	1.1	1.1	0.4 UJ	0.4		
Potassium	1,900	2,940	3,700	2,210	1,580	3,400	3,570		
Selenium	4.4 R	4.4	4.4 R	4.4 UJ	4.4 R	3.5 R	3.5		
Silver	0.4	0.9	1.2	0.9	0.9	1.1	1.5		
Sodium	61,200	40,000	51,100	50,300	85,600	52,800	53,000		
Thallium	2.6	10.2 J	6.3	6.3 UJ	6.3	4.1	4.1		
Vanadium	2.2 J	1.1	1.1	6.9	9.9	10.9	4.5		
Zinc	52.9 J	0.7 UJ	0.7	0.7	0.7	5.6	1.1		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	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	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-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 (Location is 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	**May-05**	**September-04**	**December-04**	**March-05**	**June-05**	**September-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:

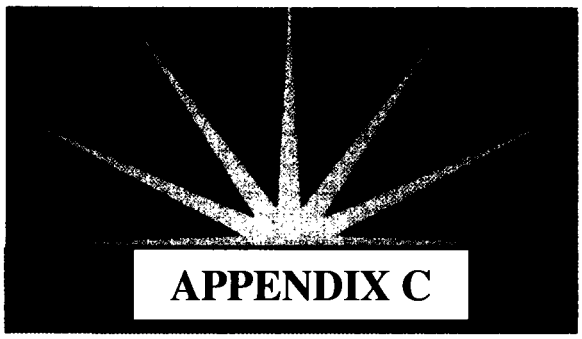
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Location is 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	**May-04**	**September-04**	**December-04**	**March-05**	**June-05**	**September-05**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]		Location is Dry			Location is Dry	Location is Dry		
Aluminum	55.3	—	55.3 U	65.5	—	—		200
Antimony	3.9	—	3.9	25.0	—	—	60	60
Arsenic	5.4	—	30.2	5.4	—	—	20	10
Barium	32.7	—	31.1	24.4	—	—	1,000	200
Beryllium	0.2	—	0.2	0.2	—	—	5	5
Cadmium	0.3	—	0.3	0.3	—	—	5	5
Calcium	107,000	—	131,000 J	93,300	—	—		5,000
Chromium	1.5	—	2.2	1.7	—	—	11	10
Cobalt	0.6	—	0.9	0.6	—	—		50
Copper	1.2	—	2.8	1.2	—	—	25	25
Iron	22.2	—	17.8	17.3	—	—	7,000	100
Lead	2.4	—	2.4	2.4 UJ	—	—	4.2	3
Magnesium	27,800	—	26,100	21,400	—	—		5,000
Manganese	77.2	—	4.3	20.5	—	—		15
Mercury	0.1	—	0.1 UJ	0.1	—	—	0.2	0.2
Nickel	1.2	—	2.1	1.1	—	—	96	40
Potassium	4,200	—	3,390	3,660	—	—		5,000
Selenium	4.4 R	—	4.4	4.4 UJ	—	—	8.5	5
Silver	0.9	—	0.9	0.9	—	—	10	10
Sodium	14,800	—	10,300	8,870	—	—		5,000
Thallium	6.3	—	6.3	6.3	—	—	40	10
Vanadium	1.1	—	4.0	10.0	—	—		50
Zinc	0.7	—	27.0	0.7	—	—	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	199	—	55.3	560	—	—		
Antimony	3.9	—	3.9	3.9	—	—		
Arsenic	5.4	—	25.5	5.4	—	—		
Barium	33.1	—	32.8	29.5	—	—		
Beryllium	0.2	—	0.2	0.2	—	—		
Cadmium	0.3	—	0.3	0.3	—	—		
Calcium	108,000	—	135,000 J	104,000	—	—		
Chromium	1.5	—	1.5	1.5	—	—		
Cobalt	0.6	—	0.6	0.6	—	—		
Copper	1.2	—	7.8	1.2	—	—		
Cyanide	0.8	—	0.5	0.8	—	—	10	10
Iron	258	—	67.8	814	—	—		
Lead	2.4	—	2.4	2.4 UJ	—	—		
Magnesium	28,700	—	27,400	23,900	—	—		
Manganese	87.9	—	3.2	42.6	—	—		
Mercury	0.1	—	0.1 UJ	0.1	—	—		
Nickel	1.2	—	1.1	1.1	—	—		
Potassium	4,100	—	3,450	4,020	—	—		
Selenium	4.4 UJ	—	4.4	4.4	—	—		
Silver	0.9	—	0.9	0.9	—	—		
Sodium	14,100	—	10,400	9,320	—	—		
Thallium	6.3	—	6.3	6.3	—	—		
Vanadium	1.1	—	4.7	10.4	—	—		
Zinc	1.3	—	7.3	0.7	—	—		
Volatile Organic Compounds (VOCs)	BRL	—	BRL	BRL	—	—		
Semi-Volatile Organic Compounds (SVOCs)	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	

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 (Location is 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

EarthTech
A Tyco International Ltd Company

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 54280

LABORATORY REPORT NUMBER 205091702

PROJECT MANAGER: Ron Rolker

Date: December 5, 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 205091702 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 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) 205091702.

GCAL #	Sample Description
20509170201	SKGW62A-1015
20509170202	SKGW63-1015
20509170203	SKGW63-1015 DUPE
20509170204	SKGW64-1015
20509170206	SKGW62A-1015 (DISS)
20509170207	SKGW63-1015 (DISS)
20509170208	SKGW63-1015 DUPE (DISS)
20509170209	SKGW64-1015 (DISS)
20509170211	SKGW24-1015
20509170212	SKGW30-1015
20509170213	SKGW26-1015
20509170214	EQUIPMENT BLANK
20509170216	SKGW24-1015 (DISS)
20509170217	SKGW30-1015 (DISS)
20509170218	SKGW26-1015 (DISS)
20509170219	EQUIPMENT BLANK (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).

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 SKSW50-1015 (total and dissolved fractions) 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 SKSW50-1015 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Selenium (0%) in the total and Selenium (51%) in the dissolved fractions.

As per the National Functional Guidelines: if the percent recovery is less than 30% qualify detected results with "J" and non-detected results with "R". If the recovery is greater than 30% but less than 75% then qualify detected results 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 with the exception of Potassium. As per the National Functional Guidelines, if the percent criteria is not met for the serial dilution then qualify the associated results with "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 submitted for review appeared accurate and in order with the exception of the following:

The analytes and true values were incorrectly reported for the CRDL on page 720. The laboratory was contacted and they submitted corrected documentation.

GCAL qualified the total and dissolved results for Manganese with and "E". The initial results for Manganese did not meet the criteria of greater than fifty times the IDL and therefore should not have been qualified with an "E" qualifier. The data validator made the correction manually. The initial sample results for a majority of the analytes listed on pages 504 and 505 of the report were incorrectly listed. The data validator manually made the corrections on pages 504 and 505 of the report.

11. OVERALL ASSESSMENT

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards analyzed on 10/4/05 were 88%, 74%, and 82%. As per the National Functional Guidelines, 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 percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 10/5/05 were 128%, 125%, and 147%. Selenium was previously qualified under Section 7 titled "Spike Sample Analysis".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205091702 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 September 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 205091702.

GCAL #	Sample Description
20509170201	SKGW62A-1015
20509170202	SKGW63-1015
20509170203	SKGW63-1015 DUPE
20509170204	SKGW64-1015
20509170211	SKGW24-1015
20509170212	SKGW30-1015
20509170213	SKGW26-1015
20509170214	EQUIPMENT BLANK
20509170220	SKGW63-1015 (RE)
20509170221	SKGW64-1015 (RE)

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 Validated Time of Sample Receipt (VTSR) method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. Sample SKGW64-1015 had internal standard failure and was re-extracted. The sample was re-extracted outside of the technical and VSTR method holding times. As per the National Functional Guidelines, if technical holding times are exceeded, qualify all detected compound results as estimated "J" and sample quantitation limits as estimated "UJ".

2. GC/MS TUNING

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

3. CALIBRATION

A. Initial Calibration

Two IC's dated 10/17/05 and 10/24/05 were 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 for the IC's dated 10/17/05 were within the acceptance criteria specified in the method for all target compounds with the exception of 2,4-Dinitrophenol. 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.

The RRF's and the average RRF for the IC's dated 10/24/05 were within the acceptance criteria specified in the method for all target compounds.

B. Continuing Calibration

Three CC's dated 10/17/05, 10/18/05 and 10/24/05 were analyzed in support of the semivolatile sample analyses reported in the data submissions.

The percent difference (%D) between the average RRF's and the CC Response Factors for the CC dated 10/17/05 were within the acceptance criteria with the exception of 4,6-dinitro-o-cresol and Pentachlorophenol. As per the National Functional Guidelines, if the %D is outside the ± 25% criterion then qualify positive results with "J" and non-detected results with "UJ".

The percent difference (%D) between the average RRF's and the CC Response Factors for the CC dated 10/18/05 were within the acceptance criteria with the exception of 4-Chloroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, and 4-Nitroaniline As per the National Functional Guidelines, if the %D is outside the ± 25% criterion then qualify positive results with "J" and non-detected results with "UJ".

The percent difference (%D) between the average RRF's and the CC Response Factors for the CC dated 10/24/05 were within the acceptance criteria.

The CC RRF's for the CC dated 10/17/05 were within the acceptance criteria specified in the method for all target compounds with the exception of 2,4-Dinitrophenol. The 2,4-Dinitrophenol results were previously qualified under section 3A above.

The CC RRF's for the CC's dated 10/18/05 and 10/24/05 were within the acceptance criteria specified in the method for all target compounds.

4. BLANKS

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

<u>Method Blank (MB275078)</u>

There were no target compounds detected in the method blank extracted on 9/20/05.

<u>Method Blank (MB276866)</u>

Di-n-butylphthalate (0.586 ppb) and Bis-(2-ethylhexyl) phthalate (4.85 ppb) were detected in the blank extracted on 9/27/05.

<u>Method Blank (MB289198)</u>

Di-n-butylphthalate (0.563 ppb) and Bis-(2-ethylhexyl) phthalate (1.02 ppb) were detected in the blank extracted on 10/19/05.

<u>Equipment Blank</u>

Bis-(2-ethylhexyl) phthalate (.739 ppb) was detected in the Equipment Blank associated with the samples that were collected on 9/22/05

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits except for the following:

Phenol-d5 (0%) associated with sample SKGW62A-[illegible]015:

2-Fluorobiphenyl (138%) and Phenol-d5 (0%) associated with sample SKGW64-1015;

Phenol-d5 (0%) associated with the Equipment Blank.

2-Fluorobiphenyl (175%), Phenol-d5 (0%), and 2,4,6-Tribromophenol(189%) associated with the method blank 275078.

As per the National Functional Guidelines:

If any two base/neutral or acid surrogates are out of specification, or if any one base/neutral or acid extractable surrogate has a recovery of less than 10 percent, then there should be a re-analysis to confirm that the non-compliance is due to sample matrix effects rather than laboratory deficiencies.

If two or more surrogates in either semivolatile fraction (base/neutral or acid fraction) have a recovery greater than the upper acceptance limit then qualify detected results with "J".

If two or more surrogates in either semivolatile fraction have a recovery greater than or equal to 10 percent but less than the lower acceptance limit qualify detected results for that fraction with "J" and non-detected results with "UJ".

If any surrogate in either fraction shows less than 10% qualify detected analytes for that fraction with "J" and non-detected results for that fraction with "R".

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

There were no MS/MSD samples submitted for analysis with this SDG.

7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas were within acceptable limits for the reported semivolatile sample analyses with the exception of Pyrene-d12 (low) associated with samples SKGW62A-1015, SKGW64-1015, and Method Blank 275078. Internal standard retention times were within acceptable limits for the reported semivolatile sample analyses. As per the National Functional Guidelines, if the IS area counts are low qualify detected results quantified using the IS with "J" and non-detected results quantified using the IS with "UJ"

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 submitted for review appeared accurate and in order with the exception of the following:

The extraction date was missing on the Form IV's, the data validator manually made the correction;

A "D" was used to indicate that the surrogates were diluted out on the Form II while there was no indication that the samples were diluted, an "*" should have been used in place of the "D" to indicate that the values were outside of the required QC limits;

Sample SKGW64-1015 was reported as SKGW645-1015, the data validator manually made the correction;

The equipment blank for semivolatile (20509170214) was not listed on forms II or V;

The extraction log was not included in the data package. The data validator called GCAL and requested the missing documentation;

GCAL indicated in the case narrative that samples SKGW63-1015 and SKGW64-1015 were re-extracted due to internal standard failure. The internal standards for SKGW63-1015 were within the acceptance criteria. Sample SKGW62-1015 should have been re-extracted because the internal standard Perylene-d8 was outside the acceptance criteria.

GCAL was contacted corrected documentation was re-submitted.

12. OVERALL ASSESSMENT

The results for sample SKGW-63-1015 extracted on 9/20/05 and analyzed on 10/17/05 should be used for regulatory reporting and not the results for sample SKGW-63-1015 extracted on 10/19/05 and analyzed on 10/24/05. The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205091702 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 September 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 205091702.

GCAL #	Sample Description
20509170201	SKGW62A-1015
20509170202	SKGW63-1015
20509170203	SKGW63-1015 DUPE
20509170204	SKGW64-1015
20509170205	TRIP BLANK
20509170211	SKGW24-1015
20509170212	SKGW30-1015
20509170213	SKGW26-1015
20509170214	EQUIPMENT BLANK
20509170215	TRIP BLANK

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 one GC/MS system, identified as MSV4. Three bromofluorobenzene (BFB) tunes were run on MSV4. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

Two IC's dated 9/22/05 and 9/30/05 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 RRF's and the average RRF for the IC's dated 9/22/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. 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.

The RRF's and the average RRF for the IC's dated 9/30/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. 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.

The %RSD's were within the acceptance criteria specified in the method for all target analytes with the exception of 2-Hexanone, 4-Methyl-2-pentanone, and 1,2,4-Trichlorobenzene associated with the IC dated 9/30/05. As per the National Functional Guidelines, if the %RSD is greater than 30% then qualify the associated detected results for that compound(s) with "J".

B. Continuing Calibration

Three CC's dated 9/22/05 (0820), 9/22/05 (2043), and 9/30/05 (1640) 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 compounds with the exception of 2-Butanone, 2-Hexanone and 4-Methyl-2-pentanone associated with the CC dated 9/30/05. As per the National Functional Guidelines; if the %D between the average RRF's and the CC RF's exceeds the acceptance criteria then qualify detected results with "J" and non-detected results with "UJ".

The CC RRF's for the CC dated 9/22/05 (0820) 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.

The CC RRF's for the CC dated 9/22/05 (2043) 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.

The CC RRF's for the CC dated 9/30/05 (1640) were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. The Acetone 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.

<u>MB275701</u>

Methylene chloride (0.080 ppb) was detected in the method blank analyzed on 9/22/05 (1102). There is a peak on the chromatogram at the retention time for Acetone that was not quantified by the laboratory. The data validator mitigated the Acetone detected in the samples analyzed on 9/22/05 due to the presence of Acetone in Method Blank 275701.

<u>MB276019</u>

There were no target compounds detected in the method blank analyzed on 9/22/05 (2154). There are peaks on the chromatogram at the retention time for Acetone and Methylene chloride that were not quantified by the laboratory. The data validator mitigated the Acetone and Methylene chloride detected in the samples analyzed on 9/22/05 due to the presence of Acetone and Methylene chloride in Method Blank 276019.

MB278587

There were no target compounds detected in the method blank analyzed on 9/30/05 (1926). There are peaks on the chromatogram at the retention time for Acetone and Methylene chloride that were not quantified by the laboratory. The data validator mitigated the Acetone and Methylene chloride detected in the samples analyzed on 9/30/05 due to the presence of Acetone and Methylene chloride in Method Blank 278587.

Storage Blank (VHBLK)

There were no target compounds detected in the Storage Blank analyzed on 9/22/05. There is a peak on the chromatogram at the retention time for Methylene chloride that was not quantified by the laboratory. The data validator mitigated the Methylene chloride detected in the samples due to the presence of Methylene chloride in the associated Storage Blank.

Equipment Blank

Acetone (4.9 ppb) and Chloromethane (0.57 ppb) were detected in the Equipment Blank associated with the samples that were collected on 9/22/05. There is a peak on the chromatogram at the retention time for Bromomethane that was not quantified by the laboratory. The data validator mitigated the Acetone, Chloromethane and Bromomethane for the samples collected on 9/22/05 due to the presence of Acetone, Chloromethane and Bromomethane in the associated Equipment Blank.

Trip Blank

Methylene chloride (0.080 ppb) was detected in the Trip Blank associated with the samples that were collected on 9/15/05. The result was mitigated by the presence of Methylene chloride in the associated Method Blank.

Trip Blank

There were no target compounds detected in the Trip Blank associated with the samples that were collected on 9/22/05. There are peaks on the chromatogram at the retention time for Acetone and Methylene chloride that were not quantified by the laboratory. The data validator mitigated the Acetone and Methylene chloride detected in the samples collected on 9/22/05 due to the presence of Acetone and Methylene chloride in associated Trip Blank.

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

There were no MS/MSD samples submitted for analysis with this SDG.

7. LABORATORY CONTROL SAMPLE

Two Laboratory Control Samples were analyzed in conjunction with this SDG. The percent 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 submitted for review appeared accurate and in order.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 205091702 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 September 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 205091702.

GCAL #	Sample Description
20509170201	SKGW62A-1015
20509170202	SKGW63-1015
20509170203	SKGW63-1015 DUPE
20509170204	SKGW64-1015
20509170211	SKGW24-1015
20509170212	SKGW30-1015
20509170213	SKGW26-1015
20509170214	EQUIPMENT BLANK

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.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20%. 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.

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 for the calibrations dated 10/25/05 on columns RTX-35MS and RTX-XLB.

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 with the exception of 4,4'-DDT (40%) and Methoxychlor (40%) associated with INDAM02 analyzed on 10/25/05 at 2137.

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

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

<u>Method Blank 275026</u>

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 9/20/05.

Method Blank 277107

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 9/27/05.

Equipment Blank

No constituents were detected above the laboratory-reporting limit in the Equipment Blank associated with the samples that were collected on 9/22/05.

6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples except as follows:

Sample ID	TCX (%)	DCM (%)
Method Blank 275026	15	65
SKGW62A-1015	5	40
SKGW63-1015	8	41
SKGW63-1015 Dupe	15	86
SKGW64-1015	8	31
SKGW24-1015	48	27
Equipment Blank	48 29	52/30

As per the National Functional Guidelines, if the surrogate(s) recoveries are between 10 and 30 percent then qualify detected compounds with "J" and non-detected compounds with "UJ". If either surrogate percent recovery is reported as between 0 and 10 percent then detected compounds may be qualified with "J" and non-detected compounds should be qualified as unusable with "R". After a review of the chromatograms and using professional judgment the data validator qualified the detected pesticide results with "J" and non-detected pesticide result with "UJ".

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKSW50-1015 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of Aldrin (7%/6%), Heptachlor (15%/7%), and Lindane (53%/47%). The relative percent difference between the MS/MSD were within the acceptance criteria with the exception of Dieldrin (31%), Endrin (29%), and Lindane (47%). 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 Pesticide Form VII-2 and the extraction log date 9/27/05 were not included in the data package. GCAL was contacted and they supplied the missing documentation.

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

GC [illegible] 205091702

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:** 205091702

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.

The report was resubmitted. In the OLM04.2-CLP Semivolatile analysis the Form II and V is resubmitted to include all samples analyzed. The extraction sheets for semi-volatile mass spectrometry are submitted as an addition. A mass spec library search has been completed and reported for sample 20509170214 (Equipment Blank). The summary and raw data for the TIC is submitted as an addition. In the OLM04.2-CLP Pest/PCB analysis, the Form II is resubmitted to correct the surrogate recovery calculation. The FormVII part 2 and extraction sheet for this fraction are submitted as an addition. In the ILM04.1 - CLP Metals analysis, the CRDL page 720 is corrected and resubmitted.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2-CLP Semivolatiles analysis, samples 20509170202 (SKGW63-1015) and 20509170204 (SKGW64-1015) had internal standards outside limits. The samples were re-extracted and re-analyzed outside of holding time. The samples were re-logged as 20509170220 (SKGW63-1015 (RE)) and 20509170221 (SKGW64-1015 (RE)).

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis, several samples exhibited surrogate recoveries outside QC limits. In the MS/MSD Aldrin, Heptachlor and gamma-BHC exhibited recoveries outside recovery limits. The %RPD limits were exceeded for Dieldrin, Endrin and gamma-BHC.

METALS

In the ILM04.1 - CLP Metals analysis for prep batch 300597, the MS and/or MSD recovery was outside the control limits for Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The Sample/Duplicate RPD for Aluminum, Silver, 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 300598, the MS and/or MSD recovery was outside the control limits for Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by

Revised

matrix interference. The Sample/Duplicate RPD for Nickel is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW62A-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No. SAS No. SDG No.: 205091702

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID 20509170201

Level: (low/med) Lab File ID 2050922/U6737

% Moisture: not dec. Date Collected 09/15/05 Time: 1015

GC Column: DB-624-30M ID 53 (mm) Date Received 09/16/05

Instrument ID: MSV4 Date Analyzed 09/22/05 Time: 1642

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

Soil Aliquot Volume: (µL) Prep Batch Analytical Batch: 299981

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

12/6/05 MSK

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW62A-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170201

Level: (low/med) Lab File ID: 2050922/U6737

% Moisture: not dec. Date Collected: 09/15/05 Time: 1015

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/16/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1642

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0 ~~0.883~~	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

12/6/05 mc

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW62A-1015

Lab Name: GCAL Contract

Lab Code: LA024 Case No SAS No SDG No.: 205091702

Matrix: Water Lab Sample ID 20509170201

Sample wt/vol: Units: Lab File ID

Level: (low/med) Date Collected 09/15/05 Time: 1015

% Moisture: not dec. Date Received 09/16/05

GC Column: DB-624-30M ID 53 mm Date Analyzed 09/22/05 Time: 1642

Instrument ID MSV4 Dilution Factor 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

000020

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW63-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170202

Level: (low/med) Lab File ID: 2050922/U6738

% Moisture: not dec. Date Collected: 09/15/05 Time: 1110

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/16/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1706

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

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	5.5		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

12/6/05 MSW

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW63-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No: SAS No: SDG No.: 205091702

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170202

Level: (low/med) Lab File ID: 2050922/U6738

% Moisture: not dec. Date Collected: 09/15/05 Time: 1110

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/16/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1706

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM 1 VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW63-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: Water Lab Sample ID: 20509170202

Sample wt/vol: Units: Lab File ID:

Level: (low/med) Date Collected: 09/15/05 Time: 1110

% Moisture: not dec. Date Received: 09/16/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/05 Time: 1706

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW63-1015 DUPE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No. SAS No.: SDG No.: 205091702

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170203

Level: (low/med) Lab File ID: 2050922/U6739

% Moisture: not dec. Date Collected: 09/15/05 Time: 1110

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/16/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1729

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

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		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	

12/4/05 MSC

FORM 1 VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW63-1015 DUPE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: (soil/water) Water

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

Lab Sample ID: 20509170203

Level: (low/med)

Lab File ID: 2050922/U6739

% Moisture: not dec.

Date Collected: 09/15/05 Time: 1110

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

Date Received: 09/16/05

Instrument ID: MSV4

Date Analyzed: 09/22/05 Time: 1729

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 299981

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.
SKGW63-1015 DUPE

Lab Name: GCAL Contract

Lab Code: LA024 Case No SAS No SDG No.: 205091702

Matrix: Water Lab Sample ID 20509170203

Sample wt/vol: Units Lab File ID

Level: (low/med) Date Collected 09/15/05 Time: 1110

% Moisture: not dec. Date Received 09/16/05

GC Column: DB-624-30M ID 53 (mm) Date Analyzed 09/22/05 Time: 1729

Instrument ID: MSV4 Dilution Factor 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW64-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170204

Level: (low/med) Lab File ID: 2050922/U6740

% Moisture: not dec. Date Collected: 09/15/05 Time: 1330

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/16/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1753

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

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	

12/6/05

000042

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW64-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No: SAS No: SDG No.: 205091702

Matrix (soil/water): Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170204

Level: (low/med) Lab File ID: 20509221U6740

% Moisture: not dec. Date Collected: 09/15/05 Time: 1330

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/16/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1753

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.5 ~~0.068~~	J	0.010	2.0
100-42-5	Styrene	[illegible]	U	0.010	1.0
127-18-4	Tetrachloroethene	[illegible]	U	0.010	1.0
108-88-3	Toluene	[illegible]	U	0.010	1.0
79-01-6	Trichloroethene	[illegible]	U	0.010	1.0
75-01-4	Vinyl chloride	[illegible]	U	0.010	1.0
1330-20-7	Xylene (total)	[illegible]	U	0.010	1.0

12/6/05 MSC

FORM 1 VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW64-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: Water Lab Sample ID: 20509170204

Sample wt/vol: Units: Lab File ID:

Level: (low/med) Date Collected: 09/15/05 Time: 1330

% Moisture: not dec. Date Received: 09/16/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/05 Time: 1753

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No: SAS No: SDG No.: 205091702

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170205

Level: (low/med) Lab File ID: 20509221U6741

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/16/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1816

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

12/6/05 [illegible]

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170205

Level: (low/med) Lab File ID: 2050922/U6741

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/16/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1816

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0 ~~0.080~~	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

U

12/6/05 [illegible]

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
TRIP BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No: SAS No: SDG No.: 205091702

Matrix: Water Lab Sample ID: 20509170205

Sample wt/vol: Units: Lab File ID: 2050922/U6741

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

% Moisture: not dec. Date Received: 09/16/05

GC Column: DB-624-30M ID: 53 (mm) Date Analyzed: 09/22/05 Time: 1816

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW24-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170211

Level: (low/med) Lab File ID: 2050930/U7075

% Moisture: not dec. Date Collected: 09/22/05 Time: 1000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/23/05

Instrument ID: MSV4 Date Analyzed: 09/30/05 Time: 2052

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300622

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	UJ
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	UJ
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	12		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	

12/6/05

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW24-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No. SAS No.: SDG No.: 205091702

Matrix (soil/water): Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170211

Level: (low/med) Lab File ID: 2050930U7075

% Moisture: not dec. Date Collected: 09/22/05 Time: 1000

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/23/05

Instrument ID: MSV4 Date Analyzed: 09/30/05 Time: 2052

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300622

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW24-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: Water Lab Sample ID: 20509170211

Sample wt/vol: Units: Lab File ID: 2050930/U7075

Level: (low/med) Date Collected: 09/22/05 Time: 1000

% Moisture: not dec. Date Received: 09/23/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/30/05 Time: 2052

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW30-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No. SAS No. SDG No.: 205091702

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID 20509170212

Level: (low/med) Lab File ID 2050930U7076

% Moisture: not dec. Date Collected 09/22/05 Time: 1040

GC Column: DB-624-30M ID 53 (mm) Date Received 09/23/05

Instrument ID: MSV4 Date Analyzed 09/30/05 Time: 2115

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

Soil Aliquot Volume: (µL) Prep Batch Analytical Batch: 300622

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	UJ
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	UJ
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 ~~0.45~~	U	0.010	1.0	U
75-15-0	Carbon disulfide	2.0		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 ~~0.54~~	U	0.010	1.0	U
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

12/6/05 MS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW30-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: (soil/water) Water

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

Lab Sample ID: 20509170212

Level: (low/med)

Lab File ID: 2050930/U7076

% Moisture: not dec.

Date Collected: 09/22/05 Time: 1040

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

Date Received: 09/23/05

Instrument ID: MSV4

Date Analyzed: 09/30/05 Time: 2115

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 300622

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.
SKGW30-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No SAS No. SDG No.: 205091702

Matrix: Water Lab Sample ID 20509170212

Sample wt/vol: Units Lab File ID 2050930U7076

Level: (low/med) Date Collected 09/22/05 Time: 1040

% Moisture: not dec. Date Received 09/23/05

GC Column: DB-624-30M ID 53 (mm) Date Analyzed 09/30/05 Time: 2115

Instrument ID: MSV4 Dilution Factor 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW26-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509170213

Level: (low/med) Lab File ID: 2050930/U7077

% Moisture: not dec. Date Collected: 09/22/05 Time: 1130

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/23/05

Instrument ID: MSV4 Date Analyzed: 09/30/05 Time: 2138

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300622

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	UJ
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	UJ
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	0.49	J	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	1.5 ~~0.11~~	J	0.010	1.0	il
75-15-0	Carbon disulfide	11		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 ~~0.55~~	J	0.010	1.0	il
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	

12/6/05 MC

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW26-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No. SAS No. SDG No.: 205091702

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID 20509170213

Level: (low/med) Lab File ID 2050930U7077

% Moisture: not dec. Date Collected 09/22/05 Time: 1130

GC Column: DB-624-30M ID 53 (mm) Date Received 09/23/05

Instrument ID: MSV4 Date Analyzed 09/30/05 Time: 2138

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

Soil Aliquot Volume: (µL) Prep Batch Analytical Batch: 300622

CONCENTRATION UNITS: ug/L Analytical Method OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW26-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091702

Matrix: Water Lab Sample ID: 20509170213

Sample wt/vol: Units: Lab File ID: 2050930/U7077

Level: (low/med) Date Collected: 09/22/05 Time: 1130

% Moisture: not dec. Date Received: 09/23/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/30/05 Time: 2138

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

	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: 205091732

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: SKGW62A-1015

Contract:

Lab File ID: 2051017P/B4024

Lab Sample ID: 20509170201

Date Collected: 09/15/05 Time: 1015

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2338

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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

1/31/06

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW62A-1015

Contract:

Lab File ID: 2051017P/B4024

Lab Sample ID: 20509170201

Date Collected: 09/15/05 Time: 1015

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2338

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	jC ~~4.02~~	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	U	0.010	10.0	
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	uJ
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	uJ
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	R
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	uJ
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	R
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	~~UJ~~ R
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	R
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	

11/3/06 MSE

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW62A-1015

Contract:

Lab File ID: 2051017P/B4024

Lab Sample ID: 20509170201

Date Collected: 09/15/05 Time: 1015

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2338

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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	R

11/3/06 MSK

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205091702
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-1015
Contract:
Lab File ID: 2051017P/B4024
Lab Sample ID: 20509170201
Date Collected: 09/15/05 Time: 1015
Date Received: 09/16/05
Date Extracted:
Date Analyzed: 10/17/05 Time: 2338
Dilution Factor: 1 Analyst: RLW
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	3.316	11	
2.		Unknown	3.506	14.4	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW63-1015

Contract:

Lab File ID: 2051017P/B4025

Lab Sample ID: 20509170202

Date Collected: 09/15/05 Time: 1110

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2357

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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	R
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	cl J
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	

11/3/06 MSK

FORM SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW63-1015

Contract:

Lab File ID: 2051017P/B4025

Lab Sample ID: 20509170202

Date Collected: 09/15/05 Time: 1110

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2357

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10 ~~6.02~~	J	0.010	10.0	U
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	
85-68-7	Butylbenzylphthalate	1.32	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	0.605	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	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	UJ
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	

1/3/06

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091732

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: SKGW63-1015

Contract:

Lab File ID: 2051017P/B4025

Lab Sample ID 20509170202

Date Collected: 09/15/05 Time: 1110

Date Received 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2357

Dilution Factor: 1 Analyst: RLW

Prep Method OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch 299865 Analytical Batch: 302443

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.: 205091702

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: SKGW63-1015

Contract:

Lab File ID: 2051017P/B4025

Lab Sample ID: 20509170202

Date Collected: 09/15/05 Time: 1110

Date Received: 09/16/05

Date Extracted:

Date Analyzed: 10/17/05 Time: 2357

Dilution Factor: 1 Analyst: RLW

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 3

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	96-19-5	1-Propene, 1,2,3-trichloro-	1.998	0	
2.		Unknown	6.369	0	
3.	301-02-0	9-Octadecenamide, (Z)-	7.689	0	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No:

SAS No.: SDG No: 205091702

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: SKGW63-1015 DUPE

Contract:

Lab File ID: 2051017P/B4026

Lab Sample ID: 20509170203

Date Collected: 09/15/05 Time: 1110

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/18/05 Time: 0016

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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	R
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	UJ
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	

1/3/06 MSR

FORM 1 SV-1

000254

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW63-1015 DUPE

Contract:

Lab File ID: 2051017P/B4026

Lab Sample ID: 20509170203

Date Collected: 09/15/05 Time: 1110

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/18/05 Time: 0016

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10 ~~3.83~~	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	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

1/3/06 MXC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW63-1015 DUPE

Contract:

Lab File ID: 2051017P/B4026

Lab Sample ID: 20509170203

Date Collected: 09/15/05 Time: 1110

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/18/05 Time: 0016

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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.: 205091702

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: SKGW63-1015 DUPE

Contract:

Lab File ID: 2051017P/B4026

Lab Sample ID: 20509170203

Date Collected: 09/15/05 Time: 1110

Date Received: 09/16/05

Date Extracted:

Date Analyzed: 10/18/05 Time: 0016

Dilution Factor: 1 Analyst: RLW

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	301-02-0	9-Octadecenamide, (Z)-	7.695	11.8	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.

SAS No.: SDG No.: 205091702

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: SKGW64-1015

Contract:

Lab File ID: 2051017P/B4027

Lab Sample ID: 20509170204

Date Collected: 09/15/05 Time: 1330

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/18/05 Time: 0036

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0	R
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0	R
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0	R
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0	R
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	R
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	R
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	R
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0	R
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	R
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	UJ
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0	UJ
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0	UJ
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0	UJ
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	

FORM SV-1

1/3/06 mk

000264

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW64-1015

Contract:

Lab File ID: 2051017P/B4027

Lab Sample ID: 20509170204

Date Collected: 09/15/05 Time: 1330

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/18/05 Time: 0036

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	15 ~~2.71~~	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	U	0.010	10.0	
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	UJ
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	UJ
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	R
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	UJ
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	R
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	R
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	R
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	

113/06 MSG

000265

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No

SAS No.: SDG No: 205091702

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: SKGW64-1015

Contract:

Lab File ID: 2051017P/B4027

Lab Sample ID: 20509170204

Date Collected: 09/15/05 Time: 1330

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 10/18/05 Time: 0036

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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

R

1/3/06
nsr

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205091702
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: SKGW64-1015
Contract:
Lab File ID: 2051017P/B4027
Lab Sample ID: 20509170204
Date Collected: 09/15/05 Time: 1330
Date Received: 09/16/05
Date Extracted:
Date Analyzed: 10/18/05 Time: 0036
Dilution Factor: 1 Analyst: RLW
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	1731-84-6	Nonanoic acid, methyl ester	3.205	2.86	
2.	111-82-0	Dodecanoic acid, methyl ester	4.229	3.24	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205091702
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: SKGW24-1015
Contract:
Lab File ID: 2051017P/B4036
Lab Sample ID: 20509170211
Date Collected: 09/22/05 Time: 1000
Date Received: 09/23/05
Date Extracted: 09/27/05
Date Analyzed: 10/18/05 Time: 0329
Dilution Factor: 1 Analyst: RLW
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 300230 Analytical Batch: 302443

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	R
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	UJ
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	

11/3/06 MSS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205091702
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: SKGW24-1015
Contract:
Lab File ID: 2051017P/B4036
Lab Sample ID: 20509170211
Date Collected: 09/22/05 Time: 1000
Date Received: 09/23/05
Date Extracted: 09/27/05
Date Analyzed: 10/18/05 Time: 0329
Dilution Factor: 1 Analyst: RLW
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 300230 Analytical Batch: 302443

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	4.50	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	1.17	JB	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

U3

11/3/05 MSL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No

SAS No.: SDG No 205091702

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: SKGW24-1015

Contract:

Lab File ID: 2051017P/B4036

Lab Sample ID: 20509170211

Date Collected: 09/22/05 Time: 1000

Date Received: 09/23/05

Date Extracted: 09/27/05

Date Analyzed: 10/18/05 Time: 0329

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300230 Analytical Batch: 302443

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 SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205091702
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: SKGW24-1015
Contract:
Lab File ID: 2051017P/B4036
Lab Sample ID: 20509170211
Date Collected: 09/22/05 Time: 1000
Date Received: 09/23/05
Date Extracted:
Date Analyzed: 10/18/05 Time: 0329
Dilution Factor: 1 Analyst: RLW
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	134-62-3	Diethyltoluamide	4.437	13	
2.	301-02-0	9-Octadecenamide, (Z)-	7.692	8.2	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205091702
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: SKGW30-1015
Contract:
Lab File ID: 2051017P/B4037
Lab Sample ID: 20509170212
Date Collected: 09/22/05 Time: 1040
Date Received: 09/23/05
Date Extracted: 09/27/05
Date Analyzed: 10/18/05 Time: 0349
Dilution Factor: 1 Analyst: RLW
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 300230 Analytical Batch: 302443

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	R
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	UJ
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	

FORM I SV-1

1/3/06

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW30-1015

Contract:

Lab File ID: 2051017P/B4037

Lab Sample ID: 20509170212

Date Collected: 09/22/05 Time: 1040

Date Received: 09/23/05

Date Extracted: 09/27/05

Date Analyzed: 10/18/05 Time: 0349

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300230 Analytical Batch: 302443

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

UJ

1/3/06 MW

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.

SAS No.: SDG No.: 205091702

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: SKGW30-1015

Contract:

Lab File ID: 2051017P/B4037

Lab Sample ID: 20509170212

Date Collected: 09/22/05 Time: 1040

Date Received: 09/23/05

Date Extracted: 09/27/05

Date Analyzed: 10/18/05 Time: 0349

Dilution Factor: 1 Analyst: RLW

Prep Method OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch 300230 Analytical Batch: 302443

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.: 205091702
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: SKGW30-1015
Contract:
Lab File ID: 2051017P/B4037
Lab Sample ID: 20509170212
Date Collected: 09/22/05 Time: 1040
Date Received: 09/23/05
Date Extracted:
Date Analyzed: 10/18/05 Time: 0349
Dilution Factor: 1 Analyst: RLW
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 3

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	3.392	6.47	
2.	134-62-3	Diethyltoluamide	4.436	11.2	
3.	301-02-0	9-Octadecenamide, (Z)-	7.692	13.6	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205091702
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: SKGW28-1015
Contract:
Lab File ID: 2051017P/B4038
Lab Sample ID: 20509170213
Date Collected: 09/22/05 Time: 1130
Date Received: 09/23/05
Date Extracted: 09/27/05
Date Analyzed: 10/18/05 Time: 0408
Dilution Factor: 1 Analyst: RLW
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 300230 Analytical Batch: 302443

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	R
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	UJ
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	

11/3/05 RSC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW26-1015

Contract:

Lab File ID: 2051017P/B4038

Lab Sample ID: 20509170213

Date Collected: 09/22/05 Time: 1130

Date Received: 09/23/05

Date Extracted: 09/27/05

Date Analyzed: 10/18/05 Time: 0408

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300230 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	2.26	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	0.676	JB	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

UJ

1/3/06 MK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No:

SAS No.: SDG No.: 205091702

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: SKGW26-1015

Contract:

Lab File ID: 2051017P/B4038

Lab Sample ID: 20509170213

Date Collected: 09/22/05 Time: 1130

Date Received: 09/23/05

Date Extracted: 09/27/05

Date Analyzed: 10/18/05 Time: 0408

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300230 Analytical Batch: 302443

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.: 205091702
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: SKGW26-1015
Contract:
Lab File ID: 2051017P/B4038
Lab Sample ID: 20509170213
Date Collected: 09/22/05 Time: 1130
Date Received: 09/23/05
Date Extracted:
Date Analyzed: 10/18/05 Time: 0408
Dilution Factor: 1 Analyst: RLW
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 8

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	3.418	40.7	
2.	134-62-3	Diethyltoluamide	4.436	15	
3.		Unknown	8.257	33.3	
4.		Unknown	8.677	56.2	
5.	538-24-9	Dodecanoic acid, 1,2,3-propane	10.045	19.4	
6.		Unknown	10.116	9.48	
7.		Unknown	10.496	34.6	
8.	50548-43-1	4-Dibenzofuranamine	10.735	48.5	

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2051017p.s.b/b4038.d
Lab Smp Id: 20509170213 Client Smp ID: SKGW26-1015
Inj Date : 18-OCT-2005 04:08
Operator : rlw Inst ID: MSSV3.i
Smp Info : 20509170213*4342*
Misc Info : 20509170213*MSSV*2951*091702*1000-1.0
Comment :
Method : /var/chem/MSSV3.i/2051017p.s.b/CLP4.2_02.m.m
Meth Date : 26-Oct-2005 15:08 rlw Quant Type: ISTD
Cal Date : 17-OCT-2005 19:01 Cal File: b4011.d
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
$ 1 2-Fluorophenol	112	1.502	1.511	[illegible]	[illegible]	93.5155	46.8
$ 3 Phenol-d5	99	2.162	2.177	[illegible]	[illegible]	92.4958	46.2
$ 6 2-Chlorophenol-d4	132	2.241	2.248	[illegible]	[illegible]	101.611	50.8
* 8 1,4-Dichlorobenzene-d4	115	2.373	2.379	[illegible]	[illegible]	40.0000	
$ 9 1,2-Dichlorobenzene-d4	152	2.471	2.475	[illegible]	[illegible]	63.2818	31.6
$ 16 Nitrobenzene-d5	82	2.714	2.721	[illegible]	[illegible]	68.1882	34.1
* 23 Naphthalene-d8	136	3.137	3.145	[illegible]	[illegible]	40.0000	
$ 33 2-Fluorobiphenyl	172	3.787	3.792	[illegible]	[illegible]	71.8924	35.9
* 41 Acenaphthene-d10	164	4.201	4.207	[illegible]	[illegible]	40.0000	
$ 53 2,4,6-Tribromophenol	332	4.685	4.695	[illegible]	[illegible]	101.421	50.7
* 58 Phenanthrene-d10	188	5.115	5.121	[illegible]	[illegible]	40.0000	
62 Di-n-butylphthalate	149	5.475	5.481	[illegible]	[illegible]	1.35189	0.676(aH)
* 65 Terphenyl-d14	244	6.182	6.185	[illegible]	[illegible]	78.4570	39.2
69 Chrysene-d12	240	7.005	7.017	[illegible]	[illegible]	40.0000	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: EQUIPMENT BLANK

Contract:

Lab File ID: 2051024/B4307A

Lab Sample ID: 20509170214

Date Collected: 09/22/05 Time: 1200

Date Received: 09/23/05

Date Extracted: 09/27/05

Date Analyzed: 10/24/05 Time: 2022

Dilution Factor: 10 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300230 Analytical Batch: 303299

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
95-95-4	2,4,5-Trichlorophenol	100	U	0.100	100	R
88-06-2	2,4,6-Trichlorophenol	100	U	0.100	100	R
120-83-2	2,4-Dichlorophenol	100	U	0.100	100	R
51-28-5	2,4-Dinitrophenol	250	U	0.100	250	R
121-14-2	2,4-Dinitrotoluene	100	U	0.100	100	
606-20-2	2,6-Dinitrotoluene	100	U	0.100	100	
91-58-7	2-Chloronaphthalene	100	U	0.100	100	
95-57-8	2-Chlorophenol	100	U	0.100	100	R
91-57-6	2-Methylnaphthalene	100	U	0.100	100	
88-74-4	2-Nitroaniline	250	U	0.100	250	
88-75-5	2-Nitrophenol	100	U	0.100	100	R
91-94-1	3,3'-Dichlorobenzidine	100	U	0.100	100	
99-09-2	3-Nitroaniline	250	U	0.100	250	
534-52-1	2-Methyl-4,6-dinitrophenol	250	U	0.100	250	R
59-50-7	4-Chloro-3-methylphenol	100	U	0.100	100	R
106-47-8	4-Chloroaniline	100	U	0.100	100	
7005-72-3	4-Chlorophenyl-phenylether	100	U	0.100	100	
106-44-5	4-Methylphenol (p-Cresol)	100	U	0.100	100	R
83-32-9	Acenaphthene	100	U	0.100	100	
208-96-8	Acenaphthylene	100	U	0.100	100	
120-12-7	Anthracene	100	U	0.100	100	
56-55-3	Benzo(a)anthracene	100	U	0.100	100	
50-32-8	Benzo(a)pyrene	100	U	0.100	100	
205-99-2	Benzo(b)fluoranthene	100	U	0.100	100	
191-24-2	Benzo(g,h,i)perylene	100	U	0.100	100	
207-08-9	Benzo(k)fluoranthene	100	U	0.100	100	
111-91-1	Bis(2-Chloroethoxy)methane	100	U	0.100	100	
111-44-4	Bis(2-Chloroethyl)ether	100	U	0.100	100	
108-60-1	bis(2-Chloroisopropyl)ether	100	U	0.100	100	

1/31/06 MSA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: EQUIPMENT BLANK

Contract:

Lab File ID: 2051024/B4307A

Lab Sample ID: 20509170214

Date Collected: 09/22/05 Time: 1200

Date Received: 09/23/05

Date Extracted: 09/27/05

Date Analyzed: 10/24/05 Time: 2022

Dilution Factor: 10 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300230 Analytical Batch: 303299

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	739	B	0.100	100	
101-55-3	4-Bromophenyl-phenylether	100	U	0.100	100	
85-68-7	Butylbenzylphthalate	100	U	0.100	100	
86-74-8	Carbazole	100	U	0.100	100	
218-01-9	Chrysene	100	U	0.100	100	
84-74-2	Di-n-butylphthalate	100	U	0.100	100	
117-84-0	Di-n-octylphthalate	100	U	0.100	100	
53-70-3	Dibenz(a,h)anthracene	100	U	0.100	100	
132-64-9	Dibenzofuran	100	U	0.100	100	
84-66-2	Diethylphthalate	100	U	0.100	100	
131-11-3	Dimethyl-phthalate	100	U	0.100	100	
105-67-9	2,4-Dimethylphenol	100	U	0.100	100	R
206-44-0	Fluoranthene	100	U	0.100	100	
86-73-7	Fluorene	100	U	0.100	100	
118-74-1	Hexachlorobenzene	100	U	0.100	100	
87-68-3	Hexachlorobutadiene	100	U	0.100	100	
77-47-4	Hexachlorocyclopentadiene	100	U	0.100	100	
67-72-1	Hexachloroethane	100	U	0.100	100	
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	0.100	100	
78-59-1	Isophorone	100	U	0.100	100	
91-20-3	Naphthalene	100	U	0.100	100	
100-01-6	4-Nitroaniline	250	U	0.100	250	
98-95-3	Nitrobenzene	100	U	0.100	100	
100-02-7	4-Nitrophenol	250	U	0.100	250	R
87-86-5	Pentachlorophenol	250	U	0.100	250	R
85-01-8	Phenanthrene	100	U	0.100	100	
108-95-2	Phenol	100	U	0.100	100	R
129-00-0	Pyrene	100	U	0.100	100	
621-64-7	N-Nitroso-di-n-propylamine	100	U	0.100	100	

11/21/05

FORM 1 SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: EQUIPMENT BLANK

Contract:

Lab File ID: 2051024/B4307A

Lab Sample ID: 20509170214

Date Collected: 09/22/05 Time: 1200

Date Received: 09/23/05

Date Extracted: 09/27/05

Date Analyzed: 10/24/05 Time: 2022

Dilution Factor: 10 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300230 Analytical Batch: 303299

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	100	U	0.100	100
95-48-7	o-Cresol	100	U	0.100	100

R

1/31/06 MW

FORM I SV-1

'F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205091702
Matrix: Water
Sample wt/vol: Units:
Level: (low/med)
% Moisture: not dec.
GC Column: DB-5MS-30M D: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH

Sample ID: EQUIPMENT BLANK
Contract:
Lab File ID: 2051024/B4307A
Lab Sample ID: 20509170214
Date Collected: 09/22/05 Time: 1200
Date Received: 09/23/05
Date Extracted:
Date Analyzed: 10/24/05 Time: 2022
Dilution Factor: 10 Analyst: JAR3
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	0-00-0	Methyl 2-ethylhexyl phthalate	5.546	116	

FORM I SVOC

revised

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

Matrix: Water

Sample wt/vol: 820 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: SKGW63-1015 (RE)

Contract:

Lab File ID: 2051024/B4287

Lab Sample ID: 20509170220

Date Collected: 09/15/05 Time: 1110

Date Received: 09/16/05

Date Extracted: 10/19/05

Date Analyzed: 10/24/05 Time: 1127

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 303224 Analytical Batch: 303299

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	12.2	U	0.012	12.2
88-06-2	2,4,6-Trichlorophenol	12.2	U	0.012	12.2
120-83-2	2,4-Dichlorophenol	12.2	U	0.012	12.2
51-28-5	2,4-Dinitrophenol	30.5	U	0.012	30.5
121-14-2	2,4-Dinitrotoluene	12.2	U	0.012	12.2
606-20-2	2,6-Dinitrotoluene	12.2	U	0.012	12.2
91-58-7	2-Chloronaphthalene	12.2	U	0.012	12.2
95-57-8	2-Chlorophenol	12.2	U	0.012	12.2
91-57-6	2-Methylnaphthalene	12.2	U	0.012	12.2
88-74-4	2-Nitroaniline	30.5	U	0.012	30.5
88-75-5	2-Nitrophenol	12.2	U	0.012	12.2
91-94-1	3,3'-Dichlorobenzidine	12.2	U	0.012	12.2
99-09-2	3-Nitroaniline	30.5	U	0.012	30.5
534-52-1	2-Methyl-4,6-dinitrophenol	30.5	U	0.012	30.5
59-50-7	4-Chloro-3-methylphenol	12.2	U	0.012	12.2
106-47-8	4-Chloroaniline	12.2	U	0.012	12.2
7005-72-3	4-Chlorophenyl-phenylether	12.2	U	0.012	12.2
106-44-5	4-Methylphenol (p-Cresol)	12.2	U	0.012	12.2
83-32-9	Acenaphthene	12.2	U	0.012	12.2
208-96-8	Acenaphthylene	12.2	U	0.012	12.2
120-12-7	Anthracene	12.2	U	0.012	12.2
56-55-3	Benzo(a)anthracene	12.2	U	0.012	12.2
50-32-8	Benzo(a)pyrene	12.2	U	0.012	12.2
205-99-2	Benzo(b)fluoranthene	12.2	U	0.012	12.2
191-24-2	Benzo(g,h,i)perylene	12.2	U	0.012	12.2
207-08-9	Benzo(k)fluoranthene	12.2	U	0.012	12.2
111-91-1	Bis(2-Chloroethoxy)methane	12.2	U	0.012	12.2
111-44-4	Bis(2-Chloroethyl)ether	12.2	U	0.012	12.2
108-60-1	bis(2-Chloroisopropyl)ether	12.2	U	0.012	12.2

4J

FORM I SV-1

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No:

SAS No.: SDG No.: 205091702

Matrix: Water

Sample wt/vol: 820 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: SKGW63-1015 (RE)

Contract:

Lab File ID: 2051024/B4287

Lab Sample ID: 20509170220

Date Collected: 09/15/05 Time: 1110

Date Received: 09/16/05

Date Extracted: 10/19/05

Date Analyzed: 10/24/05 Time: 1127

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 303224 Analytical Batch: 303299

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	12.2 ~~2.47~~	JB	0.012	12.2
101-55-3	4-Bromophenyl-phenylether	12.2	U	0.012	12.2
85-68-7	Butylbenzylphthalate	12.2	U	0.012	12.2
86-74-8	Carbazole	12.2	U	0.012	12.2
218-01-9	Chrysene	12.2	U	0.012	12.2
84-74-2	Di-n-butylphthalate	12.2 ~~1.14~~	JB	0.012	12.2
117-84-0	Di-n-octylphthalate	12.2	U	0.012	12.2
53-70-3	Dibenz(a,h)anthracene	12.2	U	0.012	12.2
132-64-9	Dibenzofuran	12.2	U	0.012	12.2
84-66-2	Diethylphthalate	12.2	U	0.012	12.2
131-11-3	Dimethyl-phthalate	12.2	U	0.012	12.2
105-67-9	2,4-Dimethylphenol	12.2	U	0.012	12.2
206-44-0	Fluoranthene	12.2	U	0.012	12.2
86-73-7	Fluorene	12.2	U	0.012	12.2
118-74-1	Hexachlorobenzene	12.2	U	0.012	12.2
87-68-3	Hexachlorobutadiene	12.2	U	0.012	12.2
77-47-4	Hexachlorocyclopentadiene	12.2	U	0.012	12.2
67-72-1	Hexachloroethane	12.2	U	0.012	12.2
193-39-5	Indeno(1,2,3-cd)pyrene	12.2	U	0.012	12.2
78-59-1	Isophorone	12.2	U	0.012	12.2
91-20-3	Naphthalene	12.2	U	0.012	12.2
100-01-6	4-Nitroaniline	30.5	U	0.012	30.5
98-95-3	Nitrobenzene	12.2	U	0.012	12.2
100-02-7	4-Nitrophenol	30.5	U	0.012	30.5
87-86-5	Pentachlorophenol	30.5	U	0.012	30.5
85-01-8	Phenanthrene	12.2	U	0.012	12.2
108-95-2	Phenol	12.2	U	0.012	12.2
129-00-0	Pyrene	12.2	U	0.012	12.2
621-64-7	N-Nitroso-di-n-propylamine	12.2	U	0.012	12.2

4J

4J

1/3/06
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

Matrix: Water

Sample wt/vol: 820 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: SKGW63-1015 (RE)

Contract:

Lab File ID: 2051024/B4287

Lab Sample ID: 20509170220

Date Collected: 09/15/05 Time: 1110

Date Received: 09/16/05

Date Extracted: 10/19/05

Date Analyzed: 10/24/05 Time: 1127

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 303224 Analytical Batch: 303299

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
86-30-6	N-Nitrosodiphenylamine	12.2	U	0.012	12.2	UJ
95-48-7	o-Cresol	12.2	U	0.012	12.2	↓

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No

SAS No.: SDG No.: 205091702

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

Sample ID: SKGW64-1015 (RE)

Contract:

Lab File ID: 2051024/B4288

Lab Sample ID: 20509170221

Date Collected: 09/15/05 Time: 1330

Date Received: 09/16/05

Date Extracted: 10/19/05

Date Analyzed: 10/24/05 Time: 1146

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 303224 Analytical Batch: 303299

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

UJ

FORM S...

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW64-1015 (RE)

Contract:

Lab File ID: 2051024/B4288

Lab Sample ID: 20509170221

Date Collected: 09/15/05 Time: 1330

Date Received: 09/16/05

Date Extracted: 10/19/05

Date Analyzed: 10/24/05 Time: 1146

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 303224 Analytical Batch: 303299

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	~~1.28~~ 0.4	JB	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

US

1/3/06 MK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091702

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: SKGW64-1015 (RE)

Contract:

Lab File ID: 2051024/B4288

Lab Sample ID: 20509170221

Date Collected: 09/15/05 Time: 1330

Date Received: 09/16/05

Date Extracted: 10/19/05

Date Analyzed: 10/24/05 Time: 1146

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 303224 Analytical Batch: 303299

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

11/3/05 MR

FORM 1 S...

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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 299843 Analytical Batch: 301805

Sample ID: SKGW62A-1015
Contract:
SAS No.: SDG No.: 205091702
Lab Sample ID: 20509170201
Date Collected: 09/15/05 Time: 1015
Date Received: 09/16/05
Date Extracted: 09/20/05
Date Analyzed: 09/24/05 Time: 2222
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A

CONCENTRATION UNITS: ug/L
Lab File ID: 2050924/SV16A023

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

UJ

2/13/06

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SKGW63-1015

Lab Code: LA024 | Case No.: | Contract:

Matrix: Water | SAS No.: | SDG No.: 205091702

Sample wt/vol: 1000 Units: mL | Lab Sample ID: 20509170202

Level: (low/med) LOW | Date Collected: 09/15/05 | Time: 1110

% Moisture: | decanted (Y/N) | Date Received: 09/16/05

GC Column: | ID | (mm) | Date Extracted: 09/20/05

Concentrated Extract Volume: 1000 (µL) | Date Analyzed: 09/24/05 | Time: 2240

Soil Aliquot Volume: (µL) | Dilution Factor: 1 | Analyst: TLS

Injection Volume: 1 (µL) | Prep Method: OLM4.2 PEST/PCB

GPC Cleanup: (Y/N) N | pH | Analytical Method: OLMO 4.2

Prep Batch: 299843 | Analytical Batch: 301805 | Sulfur Cleanup (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: ug/L | Lab File ID: 2050924/SV16A024

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

4J

2/26/06

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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 299843 Analytical Batch: 301805

Sample ID: SKGW63-1015 DUPE
Contract:
SAS No.: SDG No.: 205091702
Lab Sample ID: 20509170203
Date Collected: 09/15/05 Time: 1110
Date Received: 09/16/05
Date Extracted: 09/20/05
Date Analyzed: 09/24/05 Time: 2336
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A

CONCENTRATION UNITS: ug/L
Lab File ID: 2050924/SV16A027

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

U3

2/23/06

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: ID: (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 299843 Analytical Batch: 301805

Sample ID: SKGW64-1015

Contract:

SAS No.: SDG No.: 205091702

Lab Sample ID: 20509170204

Date Collected: 09/15/05 Time: 1330

Date Received: 09/16/05

Date Extracted: 09/20/05

Date Analyzed: 09/24/05 Time: 2355

Dilution Factor: 1 Analyst: TLS

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup (Y/N) N Instrument ID: GCS16A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050924/SV16A028

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

4J

2/23/06

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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 300281 Analytical Batch: 303412

Sample ID: SKGW24-1015
Contract:
SAS No.: SDG No.: 205091702
Lab Sample ID: 20509170211
Date Collected: 09/22/05 Time: 1000
Date Received: 09/23/05
Date Extracted: 09/27/05
Date Analyzed: 10/25/05 Time: 2240
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A

CONCENTRATION UNITS: ug/L

Lab File ID: 2051025/SV17B025

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

U1

000452

2/27/06

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: ID (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH

Prep Batch: 300281 Analytical Batch: 303412

Sample ID: SKGW30-1015

Contract:

SAS No.: SDG No.: 205091702

Lab Sample ID: 20509170212

Date Collected: 09/22/05 Time: 1040

Date Received: 09/23/05

Date Extracted: 09/27/05

Date Analyzed: 10/25/05 Time: 2301

Dilution Factor: 1 Analyst: TLS

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A

Lab File ID: 2051025/SV17B026

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100	
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100	
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100	UJ
309-00-2	Aldrin	0.050	U	0.000100	0.050	
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00	
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00	
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00	
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00	
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00	
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00	
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00	
60-57-1	Dieldrin	0.100	U	0.000100	0.100	
959-98-8	Endosulfan I	0.050	U	0.000100	0.050	
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100	
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100	
72-20-8	Endrin	0.100	U	0.000100	0.100	
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100	
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100	
76-44-8	Heptachlor	0.050	U	0.000100	0.050	
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050	
72-43-5	Methoxychlor	0.500	U	0.000100	0.500	UJ
8001-35-2	Toxaphene	5.00	U	0.000100	5.00	
319-84-6	alpha-BHC	0.050	U	0.000100	0.050	
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050	
319-85-7	beta-BHC	0.050	U	0.000100	0.050	
319-86-8	delta-BHC	0.050	U	0.000100	0.050	
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050	
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050	

2/21/06

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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 300281 Analytical Batch: 303412

Sample ID: SKGW26-1015
Contract:
SAS No.: SDG No.: 205091702
Lab Sample ID: 20509170213
Date Collected: 09/22/05 Time: 1130
Date Received: 09/23/05
Date Extracted: 09/27/05
Date Analyzed: 10/25/05 Time: 2323
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A
Lab File ID: 2051025/SV17B027

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100	
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100	
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100	UJ
309-00-2	Aldrin	0.050	U	0.000100	0.050	
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00	
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00	
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00	
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00	
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00	
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00	
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00	
60-57-1	Dieldrin	0.100	U	0.000100	0.100	
959-98-8	Endosulfan I	0.050	U	0.000100	0.050	
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100	
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100	
72-20-8	Endrin	0.100	U	0.000100	0.100	
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100	
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100	
76-44-8	Heptachlor	0.050	U	0.000100	0.050	
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050	
72-43-5	Methoxychlor	0.500	U	0.000100	0.500	UJ
8001-35-2	Toxaphene	5.00	U	0.000100	5.00	
319-84-6	alpha-BHC	0.050	U	0.000100	0.050	
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050	
319-85-7	beta-BHC	0.050	U	0.000100	0.050	
319-86-8	delta-BHC	0.050	U	0.000100	0.050	
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050	
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050	

2/23/06 MT

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: ID (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH

Prep Batch: 300281 Analytical Batch: 303412

Sample ID: EQUIPMENT BLANK

Contract:

SAS No.: SDG No.: 205091702

Lab Sample ID: 20509170214

Date Collected: 09/22/05 Time: 1200

Date Received: 09/23/05

Date Extracted: 09/27/05

Date Analyzed: 10/25/05 Time: 2343

Dilution Factor: 1 Analyst: TLS

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup (Y/N) N Instrument ID: GCS17A

Lab File ID: 2051025/SV17B028

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100	UJ
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100	
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100	
309-00-2	Aldrin	0.050	U	0.000100	0.050	
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00	
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00	
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00	
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00	
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00	
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00	
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00	
60-57-1	Dieldrin	0.100	U	0.000100	0.100	
959-98-8	Endosulfan I	0.050	U	0.000100	0.050	
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100	
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100	
72-20-8	Endrin	0.100	U	0.000100	0.100	
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100	
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100	
76-44-8	Heptachlor 0.010	~~0.012~~	J	0.000100	0.050	J
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050	UJ
72-43-5	Methoxychlor	0.500	U	0.000100	0.500	
8001-35-2	Toxaphene	5.00	U	0.000100	5.00	
319-84-6	alpha-BHC	0.050	U	0.000100	0.050	
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050	
319-85-7	beta-BHC	0.050	U	0.000100	0.050	
319-86-8	delta-BHC	0.050	U	0.000100	0.050	
58-89-9	gamma-BHC (Lindane) 0.009	~~0.010~~	J	0.000100	0.050	J
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050	UJ

FORM I ORG-1

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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW62A-1015

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509170201

Level: (low / med) Date Received: 09/16/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	28300			P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	31.1			P	J
7440-39-3	Barium	457			P	
7440-41-7	Beryllium	1.8	B		P	
7440-43-9	Cadmium	0.3	B		P	
7440-70-2	Calcium	414000			P	
7440-47-3	Chromium	66.3			P	
7440-48-4	Cobalt	29.1	B		P	
7440-50-8	Copper	81.9			P	
7439-89-6	Iron	64200			P	
7439-92-1	Lead	48.1			P	
7439-95-4	Magnesium	107000			P	
7439-96-5	Manganese	2210		E	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	66.5			P	
7440-09-7	Potassium	17500			P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	9.8	B		P	
7440-23-5	Sodium	119000			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	56.5			P	
7440-66-6	Zinc	219			P	
57-12-5	Cyanide	0.7	B		AS	

2/21/06 [illegible]

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

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

Comments:

U.S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW63-1015

Lab Name: PROJ AAH GCAL Contract:

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

Matrix (soil / water) Water Lab Sample ID: 20509170202

Level: (low / med) Date Received: 09/16/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	39100			P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	40.9			P	J
7440-39-3	Barium	315			P	
7440-41-7	Beryllium	3.0	B		P	
7440-43-9	Cadmium	0.5	B		P	
7440-70-2	Calcium	737000			P	
7440-47-3	Chromium	56.4			P	
7440-48-4	Cobalt	43.8	B		P	
7440-50-8	Copper	94.9			P	
7439-89-6	Iron	88300			P	
7439-92-1	Lead	46.8			P	
7439-95-4	Magnesium	118000			P	
7439-96-5	Manganese	6100		E	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	85.4			P	
7440-09-7	Potassium	19000			P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	12.4			P	
7440-23-5	Sodium	77700			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	72.7			P	
7440-66-6	Zinc	233			P	
57-12-5	Cyanide	0.8	B		AS	

2/24/06 MM

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

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

Comments:

FORM I - IN ILM04.1

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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW63-1015 DUPE

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509170203

Level: (low / med) Date Received: 09/16/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	49500			P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	56.4			P	J
7440-39-3	Barium	388			P	
7440-41-7	Beryllium	3.7	B		P	
7440-43-9	Cadmium	1.0	B		P	
7440-70-2	Calcium	765000			P	
7440-47-3	Chromium	88.8			P	
7440-48-4	Cobalt	53.9			P	
7440-50-8	Copper	132			P	
7439-89-6	Iron	118000			P	
7439-92-1	Lead	63.0			P	
7439-95-4	Magnesium	148000			P	
7439-96-5	Manganese	6280		E	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	111			P	
7440-09-7	Potassium	20500			P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	15.4			P	
7440-23-5	Sodium	79900			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	89.0			P	
7440-66-6	Zinc	339			P	
57-12-5	Cyanide	0.9	B		AS	

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

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

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW64-1015

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509170204

Level: (low / med) Date Received: 09/16/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23500			P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	16.8			P J
7440-39-3	Barium	109	B		P
7440-41-7	Beryllium	1.4	B		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	267000			P
7440-47-3	Chromium	44.3			P
7440-48-4	Cobalt	21.0	B		P
7440-50-8	Copper	37.3			P
7439-89-6	Iron	49900			P
7439-92-1	Lead	13.5			P
7439-95-4	Magnesium	71600			P
7439-96-5	Manganese	2140		E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	44.6			P
7440-09-7	Potassium	16100			P
7782-49-2	Selenium	3.5	U	N	P R
7440-22-4	Silver	7.0	B		P
7440-23-5	Sodium	45100			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	42.4	B		P
7440-66-6	Zinc	112			P
57-12-5	Cyanide	3.7	B		AS

2/24/06
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Color Before: LT.YELLOW Clarity Before: CLEAR Texture:

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

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW62A-1015 (DISS)

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509170206

Level: (low / med) Date Received: 09/16/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U		P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	3.8	U		P	UJ
7440-39-3	Barium	57.4	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	92600			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	25700			P	
7439-96-5	Manganese	11.9	B	~~E~~	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.5	B		P	
7440-09-7	Potassium	3800	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	1.4	B		P	
7440-23-5	Sodium	56700			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	5.6	B		P	
7440-66-6	Zinc	1.1	U		P	

2/14/06

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.

SKGW63-1015 (DISS)

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix (soil / water) Water Lab Sample ID: 20509170207

Level: (low / med) _____ Date Received 09/16/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	322			P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	3.8	U		P	UJ
7440-39-3	Barium	117	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	141000			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.5	B		P	
7439-89-6	Iron	383			P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	54200			P	
7439-96-5	Manganese	120		E	P	
7439-97-6	Mercury	0.1	J		AV	
7440-02-0	Nickel	1.7	B		P	
7440-09-7	Potassium	10600		E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	2.4	B		P	
7440-23-5	Sodium	120000			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	6.8	B		P	
7440-66-6	Zinc	36.6			P	

3/14/06

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.

SKGW63-1015 DUPE (DISS

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509170208

Level: (low / med) Date Received: 09/16/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	74.7	B		P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	3.8	U		P	UJ
7440-39-3	Barium	64.5	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	241000			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	2.3	B		P	
7440-50-8	Copper	0.9	B		P	
7439-89-6	Iron	311			P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	53200			P	
7439-96-5	Manganese	2060		~~E~~	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	3.9	B		P	
7440-09-7	Potassium	10600		E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	2.2	B		P	
7440-23-5	Sodium	76900			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	5.8	B		P	
7440-66-6	Zinc	7.5	B		P	

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Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW64-1015 (DISS)

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix (soil / water) Water Lab Sample ID: 20509170209

Level: (low / med) _____ Date Received: 09/16/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U		P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	3.8	U		P	UJ
7440-39-3	Barium	54.6	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	234000			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	2.0	B		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	128			P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	51700			P	
7439-96-5	Manganese	1970		E	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	3.5	B		P	
7440-09-7	Potassium	10400		E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	1.7	B		P	
7440-23-5	Sodium	74700			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	6.2	B		P	
7440-66-6	Zinc	4.7	B		P	

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MR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW24-1015

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509170211

Level: (low / med) Date Received: 09/23/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	44500			P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	52.5			P
7440-39-3	Barium	314			P
7440-41-7	Beryllium	3.5	B		P
7440-43-9	Cadmium	0.8	B		P
7440-70-2	Calcium	934000			P
7440-47-3	Chromium	90.7			P
7440-48-4	Cobalt	50.1			P
7440-50-8	Copper	111			P
7439-89-6	Iron	103000			P
7439-92-1	Lead	40.7			P
7439-95-4	Magnesium	104000			P
7439-96-5	Manganese	4080		E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	106			P
7440-09-7	Potassium	14800			P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	14.4			P
7440-23-5	Sodium	40100			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	88.4			P
7440-66-6	Zinc	261			P
57-12-5	Cyanide	0.6	U		AS

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Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW30-1015

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix (soil / water) Water Lab Sample ID: 20509170212

Level: (low / med) _____ Date Received: 09/23/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	78.5	B		P	
7440-36-0	Antimony	4.00	J		P	
7440-38-2	Arsenic	3.8	J		P	UJ
7440-39-3	Barium	354			P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	65500			P	
7440-47-3	Chromium	1.2	B		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	563			P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	31400			P	
7439-96-5	Manganese	27.0		E	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	13400			P	J mu
7782-49-2	Selenium	3.5	U	N	P	UJ R
7440-22-4	Silver	1.6	B		P	
7440-23-5	Sodium	133000			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	5.3	B		P	
7440-66-6	Zinc	1.1	U		P	
57-12-5	Cyanide	0.6	U		AS	

9/26/06 AM

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW26-1015

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509170213

Level: (low / med) Date Received: 09/23/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	6400			P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	7.4	B		P	J
7440-39-3	Barium	451			P	
7440-41-7	Beryllium	0.3	B		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	93100			P	
7440-47-3	Chromium	17.7			P	
7440-48-4	Cobalt	9.0	B		P	
7440-50-8	Copper	18.8	B		P	
7439-89-6	Iron	14900			P	
7439-92-1	Lead	12.4			P	
7439-95-4	Magnesium	47000			P	
7439-96-5	Manganese	321		E	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	16.8	B		P	
7440-09-7	Potassium	22900			P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	3.3	B		P	
7440-23-5	Sodium	206000			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	17.2	B		P	
7440-66-6	Zinc	52.9			P	

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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.

EQUIPMENT BLANK

Lab Name: PROJ AAH GCAL Contract:

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

Matrix (soil / water) Water Lab Sample ID: 20509170214

Level: (low / med) Date Received: 09/23/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.4	U		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	0.2	U		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	271	B		P
7440-47-3	Chromium	6.1	B		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	17.4	B		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	13.0	U		P
7439-96-5	Manganese	0.1	U	E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	54.2	U		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	46.3	U		P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	0.6	U		P
7440-66-6	Zinc	16.4	B		P
57-12-5	Cyanide	0.6	U		AS

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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.

SKGW24-1015(DISS)

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509170216

Level: (low / med) Date Received: 09/23/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.4	U		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	80.8	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	115000			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	306			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	26900			P
7439-96-5	Manganese	194		~~E~~	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3380	B	E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	2.6	B		P
7440-23-5	Sodium	37500			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	5.8	B		P
7440-66-6	Zinc	1.1	U		P

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Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW30-1015(DISS)

Lab Name: PROJ AAH GCAL Contract:

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

Matrix (soil / water) Water Lab Sample ID: 20509170217

Level: (low / med) Date Received: 09/23/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.4	U		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	329			P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	61100			P
7440-47-3	Chromium	1.5	B		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	193			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	29700			P
7439-96-5	Manganese	24.3		E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	12800		E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	3.4	B		P
7440-23-5	Sodium	126000			P
7440-28-0	Thallium	4.1	J		P
7440-62-2	Vanadium	6.6	B		P
7440-66-6	Zinc	1.1	J		P

UJ

2/2/06 MR

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Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW26-1015(DISS)

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509170218

Level: (low / med) Date Received: 09/23/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.4	U		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	6.5	B		P
7440-39-3	Barium	470			P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	72100			P
7440-47-3	Chromium	2.9	B		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.8	B		P
7439-89-6	Iron	540			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	39800			P
7439-96-5	Manganese	101		~~E~~	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	23300		E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	3.8	B		P
7440-23-5	Sodium	225000			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	7.4	B		P
7440-66-6	Zinc	1.1	U		P

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Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQUIPMENT BLANK(DISS)

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix: (soil / water) Water Lab Sample ID: 20509170219

Level: (low / med) _____ Date Received: 09/23/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.4	U		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	0.2	U		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.3	B		P
7440-70-2	Calcium	38.6	B		P
7440-47-3	Chromium	1.2	B		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	10.5	U		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	13.0	U		P
7439-96-5	Manganese	0.1	U	~~E~~	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.7	B		P
7440-09-7	Potassium	54.2	U	E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	441	B		P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	0.6	U		P
7440-66-6	Zinc	1.3	B		P

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Comments:

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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	205091703	9-30-05
Client Name	Client #	Workorder #	Due Date

Report to:
Client: EARTH TECH
Address: 2373 Progress Dr.
Hebron, KY 41048
Contact: Pat Higgins
Phone: 859-442-2305
Fax: 859-442-2311

Bill to:
Client: Glenn Springs
Address: Contract
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 3rd Qtr. '05
Sampled By: Roger Huth / Jason Barden

Analytical Requests & Method: Volatiles, Semi-Volatiles, Pesticides, PCB's, Total Metals, Dissolved Metals, Cyanide

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	Volatiles	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metals	Cyanide	Diss	Remarks:	Lab ID 9/17
W	9/15/05	1015		X	SKGW62A-1015	Various	10								-6	Refer to Table	-1
W		1110			SKGW63-1015		10								-7	7 (TCL) and	-2
W		1110			SKGW63-1015 DUPE		3								-4	Table 8 (TAL)	-3
W		1330			SKGW64-1015		3								-4	of the final	-4
W					Trip Blank		3									O & M Plan	-5
																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	9-15-05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[illegible]	[illegible]	9-16-05	1710
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.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

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	4348	205091702	9-30-05

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 - 3rd Qtr. 05
Sampled By: Roger Huth / Jason Burden

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Grab	Comp	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metal	Cyanide	Lab ID
W	9/14/05	1015		X	SKGW 62A - 1015	Various	7	X	X	X	X	X	X	1
W	✓	1110		X	SKGW 63 - 1015	"	7	✓	✓	✓	✓	✓	✓	2

Lab use only:
Custody Seal used ☑ yes ☐ no
In tact ☑ yes ☐ no
Temperature °C 3

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 Huth	FED EX	9/15/05	1800
Relinquished by: (Signature) Fedex	Received by: (Signature)	9-16-05	1710
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

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	205091702	10-7-05

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 - 3rd Qtr. '05
Sampled By: Roger Hutt / Jason Burden

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	PCB's	Pesticides	Total Metals	Dissolved Metals	Cyanide							Remarks:	Lab ID
W	9-22-05	1000		X	SKGW 24-1015	Various	7	X	X	X	X	X	X						-16	Refer to Table 7 (TCL) and Table 8 (TAC) of the final O&M Plan for the list of analytes	9117-11
W	"	1040		X	SKGW 30-1015	"	"	"	"	"	"	"	"						-17		-12

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger Hutt	Fed Ex	9-22-05	1800
Fed Ex 791736244822	[illegible]	9-23-05	1140

Note: Samples sent by 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

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	4340	2 1509 1702	10-7-05

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 - 3rd Qtr. '05
Sampled By: Roger Huth / Jason Burden

Analytical Requests & Method

Lab use only:
Custody Seal
used ☒ yes ☐ no
in tact ☒ yes ☐ no
Temperature °C 6

Matrix	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Volatiles	Semi-Volatiles	PCB's	Pesticides	Total Metals	Dissolved Metals	Cyanide	Diss	Remarks:	Lab ID
W	9-22-05	1150		X	SKGW 26-1015	Various	9	X	X	X	X	X	X		-18	Refer to Table	9/17
W	"	1200			EQUIPMENT BLANK		10	X	X	X	X	X	X	X	-19	7 (TCL) and	-13
W	"	1000			SKGW 24-1015		3	X								Table 8 (TAC)	-14
W	"	1040			SKGW 30-1015		3	X								of the final	-11
W					Trip Blank		3	X								O&M Plan	-12
																for the list	-15
																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	9-22-05	1800
[illegible] 19 B6244833	[illegible]	9-23-05	1140

Note: No cyanide for GW 26. Samples sent by Fed Ex. Standard Turnaround.

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

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 54280

LABORATORY REPORT NUMBER 205092827

PROJECT MANAGER: Ron Rolker

Date: January 12, 2006

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 205092827 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 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) 205092827.

GCAL #	Sample Description
20509282701	SKGW06R-1015
20509282702	SKGW59-1015
20509282703	SKGW58-1015
20509282704	SKGW58-1015 MS
20509282706	SKGW58-1015 DUP
20509282707	SKGW61-1015
20509282710	SKGW06R-1015 (DISS)
20509282711	SKGW59-1015 (DISS)
20509282712	SKGW58-1015 (DISS)
20509282713	SKGW58-1015 MS (DISS)
20509282714	SKGW58-1015 DUP (DISS)
20509282715	SKGW61-1015 (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).

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 SKGW58-1015 (total and dissolved fractions) 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 with the exception of Aluminum 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 acceptance criteria, qualify the results for that analyte in all associated samples of the same matrix and concentration as estimated "J".

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SKGW58-1015 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Antimony (66%) and Thallium in the total fraction (30%) and Selenium in the dissolved fraction (72%).

As per the National Functional Guidelines: If the recovery falls between 30% and 74% the sample results greater than the IDL are qualified with "J" while the results less than the IDL are qualified 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 with the exception of Aluminum, Chromium, Nickel, Vanadium, and Zinc associated with the total fraction and Potassium associated with the dissolved fraction. As per the National Functional Guidelines, if the serial dilution criterion is not met then qualify the results for that analyte in all associated samples of the same matrix and concentration as estimated "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 Form II B (CRDL Standard) were missing from the data package. The data validator copied the Form II B from the data package for SDG .

11. OVERALL ASSESSMENT

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 10/5/05 were 128%, 125%, and 147%. Selenium was previously qualified under Section 7 titled "Spike Sample Analysis".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205092827 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 September 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 205092827.

GCAL #	Sample Description
20509282701	SKGW06R-1015
20509282702	SKGW59-1015
20509282703	SKGW58-1015
20509282704	SKGW58-1015 MS
20509282705	SKGW58-1015 MSD
20509282707	SKGW61-1015

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

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

2. GC/MS TUNING

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

3. CALIBRATION

A. Initial Calibration

One IC dated 10/17/05 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 for the IC dated 10/17/05 were within the acceptance criteria specified in the method for all target compounds with the exception of 2,4-Dinitrophenol. 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

Two CC's dated 10/17/05 and 10/18/05 were analyzed in support of the semivolatile sample analyses reported in the data submissions.

The percent difference (%D) between the average RRF's and the CC Response Factors for the CC dated 10/17/05 were within the acceptance criteria with the exception of 4,6-dinitro-o-cresol and Pentachlorophenol. As per the National Functional Guidelines, if the %D is outside the ± 25% criterion then qualify positive results with "J" and non-detected results with "UJ".

The percent difference (%D) between the average RRF's and the CC Response Factors for the CC dated 10/18/05 were within the acceptance criteria with the exception of 4-Chloroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, and 4-Nitroaniline As per the National Functional Guidelines, if the %D is outside the ± 25% criterion then qualify positive results with "J" and non-detected results with "UJ".

The CC RRF's for the CC dated 10/17/05 were within the acceptance criteria specified in the method for all target compounds with the exception of 2,4-Dinitrophenol. The 2,4-Dinitrophenol results were previously qualified under section 3A above.

The CC RRF's for the CC's dated 10/18/05 were within the acceptance criteria specified in the method for all target compounds.

4. BLANKS

One laboratory semivolatile method blank was analyzed with this SDG. The results are summarized below.

Method Blank (MB278256)

Di-n-butylphthalate (0.586 ppb) and Bis-(2-ethylhexyl) phthalate (7.84 ppb) were detected in the blank extracted on 9/30/05.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits except for Terphenyl-d14 (21%) associated with sample SKGW58-1015 MSD. No action is taken when only one surrogate is outside the acceptance criteria.

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

Sample SKSW58-1015 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of 4-Nitrophenol and Pentachlorophenol associated with the MS and N-Nitroso-di-n-propylamine and Acenaphthene associated with the MSD. All of the %RPD between the MS/MSD exceeded the acceptance criteria with the exception of 4-Nitrophenol. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas 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

A "D" was used to indicate that the surrogates were diluted out on the Form II while there was no indication that the samples were diluted, an "*" should have been used in place of the "D" to indicate that the values were outside of the required QC limits. The data validator manually made the correction.

There was no extraction date listed on the Form IV SV. The data validator manually made the correction.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205092827 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 September 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 205092827.

GCAL #	Sample Description
20509282701	SKGW06R-1015
20509282702	SKGW59-1015
20509282703	SKGW58-1015
20509282704	SKGW58-1015 MS
20509282705	SKGW58-1015 MSD
20509282707	SKGW61-1015
20509282708	SKGW07R-1015
20509282709	TRIP BLANK

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 one GC/MS system, identified as MSV4. Two bromofluorobenzene (BFB) tunes were run on MSV4. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

Two IC's dated 9/30/05 and 10/4/05 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 RRF's and the average RRF for the IC's dated 9/30/05 and 10/4/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone.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.

The %RSD's were within the acceptance criteria specified in the method for all target analytes with the exception of 2-Hexanone, 4-Methyl-2-pentanone, and 1,2,4-Trichlorobenzene associated with the IC dated 9/30/05. As per the National Functional Guidelines, if the %RSD is greater than 30% then qualify the associated detected results for that compound(s) with "J".

B. Continuing Calibration

One CC dated 9/30/05 and one CC dated 10/4/05 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 compounds.

The CC RRF's for the CC dated 9/30/05 (1640) were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. The Acetone results were previously qualified under section 3A above.

The CC RRF's for the CC dated 10/4/05 (0944) 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

Two laboratory volatile method blanks, storage blank, and a Trip Blank were analyzed with this SDG. The results are summarized below.

MB278587

There were no target compounds detected in the method blank analyzed on 9/30/05 (1926). There are peaks on the chromatogram at the retention time for Acetone and Methylene chloride that were not quantified by the laboratory. The data validator mitigated the Acetone and Methylene chloride detected in the samples analyzed on 9/30/05 due to the presence of Acetone and Methylene chloride in Method Blank 278587.

MB278687

There were no target compounds detected in the method blank analyzed on 10/5/05 (1106).

Storage Blank (VHBLK)

There were no target compounds detected in the Storage Blank analyzed on 10/5/05.

Trip Blank

Bromomethane (0.20 ppb), Carbon disulfide (0.22 ppb), and Chloromethane (0.72 ppb) were detected in the Trip Blank associated with the samples that were collected on 9/27/05.

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 SKGW58-1015 was submitted for the 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 submitted for review appeared accurate and in order.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 205092827 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 September 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 205092827.

GCAL #	Sample Description
20509282701	SKGW06R-1015
20509282702	SKGW59-1015
20509282703	SKGW58-1015
20509282704	SKGW58-1015 MS
20509282705	SKGW58-1015 MSD
20509282707	SKGW61-1015

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 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.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20%. 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.

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 for the calibrations dated 10/25/05 on columns RTX-35MS and RTX-XLB.

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 with the exception of 4,4'-DDT (40%) and Methoxychlor (40%) associated with INDAM02 analyzed on 10/25/05 at 2137.

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.

<u>Method Blank 278257</u>

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 9/30/05.

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 SKGW58-1015 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of Lindane (31%/36%). The relative percent difference between the MS/MSD results were within the acceptance criteria. 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 Pesticide Form VII-2 was not included in the data package. The data validator called GCAL and requested the missing documentation. GCAL provided the data validator with the missing documentation.

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 2/13/06 MK

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 10/28/2005

GCAL Report 205092827

RESUBMITTED

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

xcCASE NARRATIVE

Client: Earth Tech **Report:** 205092827

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.

The report was resubmitted to include corrections and additions requested by the client and identified during review. The Form III for the LCS recovery in the OLC02.1 volatile analysis. Forms 6E and 6F, 7E and 7F, and 8D for the RTX-35MS are included as additions. Also added in the OLM04.2-CLP Pest/PCB is the Form 7E for the RTX-XLB column. Resubmitted in the ILM04.1-CLP Metals analysis are the Form III and the Form IX for sample SKGW58-1015(DISS)SD. Submitted as an addition is the Form IX for sample SKGW58-1015SD.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2-CLP Semivolatiles analysis, the surrogate Terphenyl-d14 was outside the control limit for sample 20509282705 (SKGW58-1015-MSD).

In the OLM04.2-CLP Semivolatiles analysis, the MS/MSD exhibited recovery and RPD failures.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 300566, the MS/MSD exhibited sporadic recovery failures. These recoveries were within limits in the LCS and/or LCSD. This is attributed to matrix interference.

METALS

In the ILM04.1 - CLP Metals analysis for prep batch 300871, the MS and/or MSD recovery was outside the control limits for Antimony, Selenium and Thallium. The LCS recovery was within the 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 Aluminum was outside the control limits. The presence of particulate in the QC sample is believed to be responsible for this. The Sample/Duplicate RPD for Chromium, Cadmium, Nickel and Potassium 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 results 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
DATA VALIDATION MANAGER
GCAL REPORT 205092827

THIS REPORT CONTAINS [illegible] PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20509282701	SKGW06R-1015	Water	09/27/2005 12:45	09/28/2005 13:00
20509282702	SKGW59-1015	Water	09/27/2005 13:20	09/28/2005 13:00
20509282703	SKGW58-1015	Water	09/27/2005 10:30	09/28/2005 13:00
20509282704	SKGW58-1015 MS	Water	09/27/2005 10:45	09/28/2005 13:00
20509282705	SKGW58-1015 MSD	Water	09/27/2005 11:15	09/28/2005 13:00
20509282706	SKGW58-1015 DUP	Water	09/27/2005 11:15	09/28/2005 13:00
20509282707	SKGW61-1015	Water	09/27/2005 11:45	09/28/2005 13:00
20509282708	SKGW07R-1015	Water	09/27/2005 13:00	09/28/2005 13:00
20509282709	TRIP BLANKS	Water	09/27/2005 00:00	09/28/2005 13:00
20509282710	SKGW06R-1015 (DISS)	Water	09/27/2005 12:45	09/28/2005 13:00
20509282711	SKGW59-1015 (DISS)	Water	09/27/2005 13:20	09/28/2005 13:00
20509282712	SKGW58-1015 (DISS)	Water	09/27/2005 10:30	09/28/2005 13:00
20509282713	SKGW58-1015 MS (DISS)	Water	09/27/2005 10:45	09/28/2005 13:00
20509282714	SKGW58-1015 DUP (DISS)	Water	09/27/2005 11:15	09/28/2005 13:00
20509282715	SKGW61-1015 (DISS)	Water	09/27/2005 11:45	09/28/2005 13:00
20509282716	VHBLK	Water		09/28/2005 13:00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW06R-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No SAS No SDG No.: 205092827

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID 20509282701

Level: (low/med) Lab File ID 2051005/U7231

% Moisture: not dec. Date Collected 09/27/05 Time: 1245

GC Column: DB-624-30M ID 53 (mm) Date Received 09/28/05

Instrument ID: MSV4 Date Analyzed 10/05/05 Time: 1203

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

Soil Aliquot Volume: (µL) Prep Batch Analytical Batch: 300663

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

11/3/06 MSL

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW06R-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205092827

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509282701

Level: (low/med) Lab File ID: 2051005/U7231

% Moisture: not dec. Date Collected: 09/27/05 Time: 1245

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/28/05

Instrument ID: MSV4 Date Analyzed: 10/05/05 Time: 1203

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300663

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.

SKGW06R-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No SAS No SDG No.: 205092827

Matrix: Water Lab Sample ID: 20509282701

Sample wt/vol: Units: Lab File ID: 2051005/U7231

Level: (low/med) Date Collected: 09/27/05 Time: 1245

% Moisture: not dec. Date Received: 09/28/05

GC Column: DB-624-30M ID: 53 (mm) Date Analyzed: 10/05/05 Time: 1203

Instrument ID: MSV4 Dilution Factor: 1 Analyst: KCB

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 2

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	1.67	3.42	
2.		Unknown	1.778	5.29	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW59-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205092827

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509282702

Level: (low/med) Lab File ID: 2050930/U7080

% Moisture: not dec. Date Collected: 09/27/05 Time: 1320

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/28/05

Instrument ID: MSV4 Date Analyzed: 09/30/05 Time: 2301

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300622

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	0.13	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 ~~0.15~~	J	0.010	1.0	u
75-15-0	Carbon disulfide	3.5		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 ~~0.65~~	J	0.010	1.0	u
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

1/13/06 MK

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW59-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No: SAS No.: SDG No.: 205092827

Matrix (soil/water): Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509282702

Level: (low/med) Lab File ID: 2050930U7080

% Moisture: not dec. Date Collected: 09/27/05 Time: 1320

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/28/05

Instrument ID: MSV4 Date Analyzed: 09/30/05 Time: 2301

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300622

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

LL

1/13/06 MS

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW59-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205092827

Matrix: Water Lab Sample ID: 20509282702

Sample wt/vol: Units: Lab File ID: 2050930/U7080

Level: (low/med) Date Collected: 09/27/05 Time: 1320

% Moisture: not dec. Date Received: 09/28/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/30/05 Time: 2301

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: *0*

CONCENTRATION UNITS: *ug/L*

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW58-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No. SDG No.: 205092827

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509282703

Level: (low/med) Lab File ID: 2051005/U7230

% Moisture: not dec. Date Collected: 09/27/05 Time: 1030

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/28/05

Instrument ID: MSV4 Date Analyzed: 10/05/05 Time: 1139

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300663

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

1/13/06
MSB

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW58-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205092827

Matrix: (soil/water) Water

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

Lab Sample ID: 20509282703

Level: (low/med)

Lab File ID: 2051005/U7230

% Moisture: not dec.

Date Collected: 09/27/05 Time: 1030

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

Date Received: 09/28/05

Instrument ID: MSV4

Date Analyzed: 10/05/05 Time: 1139

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL)

Prep Batch:

Analytical Batch: 300663

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW58-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No: SAS No: SDG No.: 205092827

Matrix: Water Lab Sample ID: 20509282703

Sample wt/vol: Units: Lab File ID: 2051005/U7230

Level: (low/med) Date Collected: 09/27/05 Time: 1030

% Moisture: not dec. Date Received: 09/28/05

GC Column: DB-624-30M ID: 53 (mm) Date Analyzed: 10/05/05 Time: 1139

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	1.765	2.93	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW61-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205092827

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509282707

Level: (low/med) Lab File ID: 2050930/U7081

% Moisture: not dec. Date Collected: 09/27/05 Time: 1145

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/28/05

Instrument ID: MSV4 Date Analyzed: 09/30/05 Time: 2324

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300622

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 ~~0.21~~	J	0.010	1.0	U
75-15-0	Carbon disulfide	1.7		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 ~~0.59~~	J	0.010	1.0	U
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

1/15/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW61-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No: SAS No: SDG No.: 205092827

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509282707

Level: (low/med) Lab File ID: 20509304U7081

% Moisture: not dec. Date Collected: 09/27/05 Time: 1145

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/28/05

Instrument ID: MSV4 Date Analyzed: 09/30/05 Time: 2324

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300622

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.[illegible]	U	0.010	2.0
100-42-5	Styrene	1.[illegible]	U	0.010	1.0
127-18-4	Tetrachloroethene	[illegible]	U	0.010	1.0
108-88-3	Toluene	[illegible]	U	0.010	1.0
79-01-6	Trichloroethene	[illegible]	U	0.010	1.0
75-01-4	Vinyl chloride	[illegible]	U	0.010	1.0
1330-20-7	Xylene (total)	[illegible]	U	0.010	1.0

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SKGW61-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205092827

Matrix: Water Lab Sample ID: 20509282707

Sample wt/vol: Units: Lab File ID: 2050930/U7081

Level: (low/med) Date Collected: 09/27/05 Time: 1145

% Moisture: not dec. Date Received: 09/28/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/30/05 Time: 2324

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW07R-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No SAS No. SDG No.: 205092827

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID 20509282708

Level: (low/med) Lab File ID 2050930U7082

% Moisture: not dec. Date Collected 09/27/05 Time: 1300

GC Column: DB-624-30M ID: 53 (mm) Date Received 09/28/05

Instrument ID: MSV4 Date Analyzed 09/30/05 Time: 2346

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

Soil Aliquot Volume: (µL) Prep Batch Analytical Batch: 300622

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 ~~0.5~~	U	0.010	1.0	LL
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

11/15/06 [illegible]

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW07R-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205092827

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509282708

Level: (low/med) Lab File ID: 2050930/U7082

% Moisture: not dec. Date Collected: 09/27/05 Time: 1300

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/28/05

Instrument ID: MSV4 Date Analyzed: 09/30/05 Time: 2346

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300622

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	~~0.012~~ J	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

LL

1/13/06

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW07R-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No: SAS No.: SDG No.: 205092827

Matrix: Water Lab Sample ID: 20509282708

Sample wt/vol: Units: Lab File ID: 2050930/U7082

Level: (low/med) Date Collected: 09/27/05 Time: 1300

% Moisture: not dec. Date Received: 09/28/05

GC Column: DB-624-30M ID: 53 (mm) Date Analyzed: 09/30/05 Time: 2346

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205092827

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509282709

Level: (low/med) Lab File ID: 2050930/U7079

% Moisture: not dec. Date Collected: 09/27/05 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/28/05

Instrument ID: MSV4 Date Analyzed: 09/30/05 Time: 2239

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300622

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	0.20	J	0.010	1.0	
75-15-0	Carbon disulfide	0.22	J	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	0.72	J	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	

1/13/06 MSW

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No. SAS No. SDG No.: 205092827

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID 20509282709

Level: (low/med) Lab File ID 20509300U7079

% Moisture: not dec. Date Collected: 09/27/05 Time: 0000

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/28/05

Instrument ID: MSV4 Date Analyzed: 09/30/05 Time: 2239

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 300622

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
TRIP BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205092827

Matrix: Water Lab Sample ID: 20509282709

Sample wt/vol: Units: Lab File ID: 2050930/U7079

Level: (low/med) Date Collected: 09/27/05 Time: 0000

% Moisture: not dec. Date Received: 09/28/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/30/05 Time: 2239

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	1823-52-5	2-Oxetanone, 4,4-dimethyl-	1.82	.516	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205092827
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: SKGW06R-1015
Contract:
Lab File ID: 2051017P/B4029
Lab Sample ID: 20509282701
Date Collected: 09/27/05 Time: 1245
Date Received: 09/28/05
Date Extracted: 09/30/05
Date Analyzed: 10/18/05 Time: 0114
Dilution Factor: 1 Analyst: RLW
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 300565 Analytical Batch: 302443

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	UJ
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	UJ
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	UJ
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	UJ
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	

1/13/06 MSC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205092827

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: SKGW06R-1015

Contract:

Lab File ID: 2051017P/B4029

Lab Sample ID: 20509282701

Date Collected: 09/27/05 Time: 1245

Date Received: 09/28/05

Date Extracted: 09/30/05

Date Analyzed: 10/18/05 Time: 0114

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300565 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~6.38~~	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 ~~0.515~~	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	~~UJ~~
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	~~UJ~~
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	UJ
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	

1/13/06 MSC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205092827

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: SKGW06R-1015

Contract:

Lab File ID: 2051017P/B4029

Lab Sample ID: 20509282701

Date Collected: 09/27/05 Time: 1245

Date Received: 09/28/05

Date Extracted: 09/30/05

Date Analyzed: 10/18/05 Time: 0114

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300565 Analytical Batch: 302443

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.: 205092827
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: SKGW06R-1015
Contract:
Lab File ID: 2051017P/B4029
Lab Sample ID: 20509282701
Date Collected: 09/27/05 Time: 1245
Date Received: 09/28/05
Date Extracted:
Date Analyzed: 10/18/05 Time: 0114
Dilution Factor: 1 Analyst: RLW
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	3.386	4.83	
2.	301-02-0	9-Octadecenamide, (Z)-	7.692	31.7	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205092827
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: SKGW59-1015
Contract:
Lab File ID: 2051017P/B4030
Lab Sample ID: 20509282702
Date Collected: 09/27/05 Time: 1320
Date Received: 09/28/05
Date Extracted: 09/30/05
Date Analyzed: 10/18/05 Time: 0133
Dilution Factor: 1 Analyst: RLW
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 300565 Analytical Batch: 302443

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	UJ
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	UJ
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0	UJ
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	UJ
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	

1/13/06 MSC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205092827

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: SKGW59-1015

Contract:

Lab File ID: 2051017P/B4030

Lab Sample ID: 20509282702

Date Collected: 09/27/05 Time: 1320

Date Received: 09/28/05

Date Extracted: 09/30/05

Date Analyzed: 10/18/05 Time: 0133

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300565 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10. ~~8.53~~	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. ~~0.694~~	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	~~UJ~~
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	~~UJ~~
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	UJ
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	

1/13/06 MB

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205092827

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: SKGW59-1015

Contract:

Lab File ID: 2051017P/B4030

Lab Sample ID: 20509282702

Date Collected: 09/27/05 Time: 1320

Date Received: 09/28/05

Date Extracted: 09/30/05

Date Analyzed: 10/18/05 Time: 0133

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300565 Analytical Batch: 302443

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.: 205092827

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: SKGW59-1015

Contract:

Lab File ID: 2051017P/B4030

Lab Sample ID: 20509282702

Date Collected: 09/27/05 Time: 1320

Date Received: 09/28/05

Date Extracted:

Date Analyzed: 10/18/05 Time: 0133

Dilution Factor: 1 Analyst: RLW

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 3

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	21400-25-9	1-Propene, 1,1,2-trichloro-	2.002	2.45	
2.	115-28-6	Bicyclo[2.2.1]hept-5-ene-2,3-d	5.64	3.75	
3.	301-02-0	9-Octadecenamide, (Z)-	7.692	22.5	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205092827
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: SKGW58-1015
Contract:
Lab File ID: 2051017P/B4031
Lab Sample ID: 20509282703
Date Collected: 09/27/05 Time: 1030
Date Received: 09/28/05
Date Extracted: 09/30/05
Date Analyzed: 10/18/05 Time: 0153
Dilution Factor: 1 Analyst: RLW
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 300565 Analytical Batch: 302443

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	UJ
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	UJ
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0	UJ
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	UJ
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	

1/13/06 MK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205092827

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: SKGW58-1015

Contract:

Lab File ID: 2051017P/B4031

Lab Sample ID: 20509282703

Date Collected: 09/27/05 Time: 1030

Date Received: 09/28/05

Date Extracted: 09/30/05

Date Analyzed: 10/18/05 Time: 0153

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300565 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0	B	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	p.0 ~~0.665~~	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	~~UJ~~
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	UJ
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	UJ
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	

1/13/06

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205092827

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: SKGW58-1015

Contract:

Lab File ID: 2051017P/B4031

Lab Sample ID: 20509282703

Date Collected: 09/27/05 Time: 1030

Date Received: 09/28/05

Date Extracted: 09/30/05

Date Analyzed: 10/18/05 Time: 0153

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300565 Analytical Batch: 302443

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 SVOA

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205092827
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: SKGW58-1015
Contract:
Lab File ID: 2051017P/B4031
Lab Sample ID: 20509282703
Date Collected: 09/27/05 Time: 1030
Date Received: 09/28/05
Date Extracted:
Date Analyzed: 10/18/05 Time: 0153
Dilution Factor: 1 Analyst: RLW
Prep Method:
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	96-19-5	1-Propene, 1,2,3-trichloro-	2.001	3.24	
2.	301-02-0	9-Octadecenamide, (Z)-	7.695	24	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205092827

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: SKGW61-1015

Contract:

Lab File ID: 2051017P/B4034

Lab Sample ID: 20509282707

Date Collected: 09/27/05 Time: 1145

Date Received: 09/28/05

Date Extracted: 09/30/05

Date Analyzed: 10/18/05 Time: 0251

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300565 Analytical Batch: 302443

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

R

UJ

1/13/06 MX

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205092827

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: SKGW61-1015

Contract:

Lab File ID: 2051017P/B4034

Lab Sample ID: 20509282707

Date Collected: 09/27/05 Time: 1145

Date Received: 09/28/05

Date Extracted: 09/30/05

Date Analyzed: 10/18/05 Time: 0251

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 300565 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~1.01~~	JB	0.010	10.0	il
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 ~~1.31~~	JB	0.010	10.0	il
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	ul J
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	

1/13/06 MS

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205092827
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: SKGW61-1015
Contract:
Lab File ID: 2051017P/B4034
Lab Sample ID: 20509282707
Date Collected: 09/27/05 Time: 1145
Date Received: 09/28/05
Date Extracted: 09/30/05
Date Analyzed: 10/18/05 Time: 0251
Dilution Factor: 1 Analyst: RLW
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 300565 Analytical Batch: 302443

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.: 205092827

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: SKGW61-1015

Contract:

Lab File ID: 2051017P/B4034

Lab Sample ID: 20509282707

Date Collected: 09/27/05 Time: 1145

Date Received: 09/28/05

Date Extracted:

Date Analyzed: 10/18/05 Time: 0251

Dilution Factor: 1 Analyst: RLW

Prep Method:

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found : 5

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	96-19-5	1-Propene, 1,2,3-trichloro-	1.998	9.21	
2.	60-32-2	Aminocaproic Acid	3.395	7.28	
3.		Unknown	3.44	17.6	
4.		Unknown	3.466	4.15	
5.		Unknown	3.485	8.75	

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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 300566 Analytical Batch: 303412

Sample ID: SKGW06R-1015
Contract:
SAS No.: SDG No.: 205092827
Lab Sample ID: 20509282701
Date Collected: 09/27/05 Time: 1245
Date Received: 09/28/05
Date Extracted: 09/30/05
Date Analyzed: 10/25/05 Time: 1931
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A
Lab File ID: 2051025/SV17B016

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

UJ

UJ

3/20/06 MEA

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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 300566 Analytical Batch: 303412

Sample ID: SKGW59-1015
Contract:
SAS No.: SDG No.: 205092827
Lab Sample ID: 20509282702
Date Collected: 09/27/05 Time: 1320
Date Received: 09/28/05
Date Extracted: 09/30/05
Date Analyzed: 10/25/05 Time: 1952
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A

CONCENTRATION UNITS: ug/L
Lab File ID: 2051025/SV17B017

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100	
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100	
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100	UJ
309-00-2	Aldrin	0.050	U	0.000100	0.050	
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00	
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00	
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00	
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00	
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00	
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00	
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00	
60-57-1	Dieldrin	0.100	U	0.000100	0.100	
959-98-8	Endosulfan I	0.050	U	0.000100	0.050	
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100	
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100	
72-20-8	Endrin	0.100	U	0.000100	0.100	
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100	
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100	
76-44-8	Heptachlor	0.050	U	0.000100	0.050	
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050	
72-43-5	Methoxychlor	0.500	U	0.000100	0.500	UJ
8001-35-2	Toxaphene	5.00	U	0.000100	5.00	
319-84-6	alpha-BHC	0.050	U	0.000100	0.050	
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050	
319-85-7	beta-BHC	0.050	U	0.000100	0.050	
319-86-8	delta-BHC	0.050	U	0.000100	0.050	
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050	
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050	

2/20/06 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: ID (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 300566 Analytical Batch: 303412

Sample ID: SKGW58-1015
Contract:
SAS No.: SDG No.: 205092827
Lab Sample ID: 20509282703
Date Collected: 09/27/05 Time: 1030
Date Received: 09/28/05
Date Extracted: 09/30/05
Date Analyzed: 10/25/05 Time: 2013
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A
Lab File ID: 2051025/SV17B018

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100	
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100	
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100	U1
309-00-2	Aldrin	0.050	U	0.000100	0.050	
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00	
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00	
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00	
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00	
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00	
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00	
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00	
60-57-1	Dieldrin	0.100	U	0.000100	0.100	
959-98-8	Endosulfan I	0.050	U	0.000100	0.050	
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100	
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100	
72-20-8	Endrin	0.100	U	0.000100	0.100	
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100	
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100	
76-44-8	Heptachlor	0.050	U	0.000100	0.050	
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050	
72-43-5	Methoxychlor	0.500	U	0.000100	0.500	U1
8001-35-2	Toxaphene	5.00	U	0.000100	5.00	
319-84-6	alpha-BHC	0.050	U	0.000100	0.050	
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050	
319-85-7	beta-BHC	0.050	U	0.000100	0.050	
319-86-8	delta-BHC	0.050	U	0.000100	0.050	
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050	
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050	

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2/20/06

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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 300566 Analytical Batch: 303412

Sample ID: SKGW61-1015
Contract:
SAS No.: SDG No.: 205092827
Lab Sample ID: 20509282707
Date Collected: 09/27/05 Time: 1145
Date Received: 09/28/05
Date Extracted: 09/30/05
Date Analyzed: 10/25/05 Time: 2116
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A
Lab File ID: 2051025/SV17B021

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100	
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100	
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100	U1
309-00-2	Aldrin	0.050	U	0.000100	0.050	
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00	
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00	
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00	
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00	
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00	
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00	
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00	
60-57-1	Dieldrin	0.024	J	0.000100	0.100	
959-98-8	Endosulfan I	0.050	U	0.000100	0.050	
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100	
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100	
72-20-8	Endrin	0.100	U	0.000100	0.100	
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100	
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100	
76-44-8	Heptachlor	0.050	U	0.000100	0.050	
1024-57-3	Heptachlor epoxide	0.028	J	0.000100	0.050	
72-43-5	Methoxychlor	0.500	U	0.000100	0.500	U1
8001-35-2	Toxaphene	5.00	U	0.000100	5.00	
319-84-6	alpha-BHC	0.050	U	0.000100	0.050	
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050	
319-85-7	beta-BHC	0.050	U	0.000100	0.050	
319-86-8	delta-BHC	0.050	U	0.000100	0.050	
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050	
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050	

2/6/06 MA

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

EPA SAMPLE NO.

SKGW06R-1015

Lab Name: PROJ AAH GCAL Contract:

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

Matrix (soil / water) Water Lab Sample ID: 20509282701

Level: (low / med) Date Received: 09/28/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	27800		* E	P	J
7440-36-0	Antimony	4.00	U	N	P	UJ
7440-38-2	Arsenic	64.7			P	
7440-39-3	Barium	626			P	
7440-41-7	Beryllium	2.6	B		P	
7440-43-9	Cadmium	0.6	B		P	
7440-70-2	Calcium	562000			P	
7440-47-3	Chromium	63.8		E	P	J
7440-48-4	Cobalt	48.5	B		P	
7440-50-8	Copper	113			P	
7439-89-6	Iron	84300			P	
7439-92-1	Lead	67.5			P	
7439-95-4	Magnesium	194000			P	
7439-96-5	Manganese	5230			P	
7439-97-6	Mercury	0.1	B		AV	
7440-02-0	Nickel	67.5		E	P	J
7440-09-7	Potassium	7920		E	P	
7782-49-2	Selenium	3.9	B	N	P	J
7440-22-4	Silver	12.6			P	
7440-23-5	Sodium	23300			P	
7440-28-0	Thallium	4.1	U	N	P	UJ
7440-62-2	Vanadium	75.0		E	P	J
7440-66-6	Zinc	237		E	P	J
57-12-5	Cyanide	1.0	B		AS	

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

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

Comments:

FORM I - IN

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

EPA SAMPLE NO.

SKGW59-1015

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509282702

Level: (low / med) Date Received: 09/28/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1410		* E	P	J
7440-36-0	Antimony	4.00	U	N	P	UJ
7440-38-2	Arsenic	8.8	B		P	
7440-39-3	Barium	72.5	B		P	
7440-41-7	Beryllium	0.1	B		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	177000			P	
7440-47-3	Chromium	5.5	B	E	P	J
7440-48-4	Cobalt	1.5	B		P	
7440-50-8	Copper	6.6	B		P	
7439-89-6	Iron	4990			P	
7439-92-1	Lead	2.6	B		P	
7439-95-4	Magnesium	34300			P	
7439-96-5	Manganese	236			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	4.9	B	E	P	J
7440-09-7	Potassium	25900		E	P	
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	2.7	B		P	
7440-23-5	Sodium	93900			P	
7440-28-0	Thallium	4.1	U	N	P	UJ
7440-62-2	Vanadium	9.9	B	E	P	J
7440-66-6	Zinc	13.1	B	E	P	J
57-12-5	Cyanide	0.6	U		AS	

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

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

Comments:

2/23/06

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW58-1015

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509282703

Level: (low / med) Date Received: 09/28/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	20700		E	P	J
7440-36-0	Antimony	4.00	U	N	P	UJ
7440-38-2	Arsenic	29.1			P	
7440-39-3	Barium	349			P	
7440-41-7	Beryllium	1.2	B		P	
7440-43-9	Cadmium	0.1	B		P	
7440-70-2	Calcium	287000			P	
7440-47-3	Chromium	57.5		E	P	J
7440-48-4	Cobalt	17.6	B		P	
7440-50-8	Copper	61.7			P	
7439-89-6	Iron	49700			P	
7439-92-1	Lead	25.5			P	
7439-95-4	Magnesium	72300			P	
7439-96-5	Manganese	1250			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	55.6		E	P	J
7440-09-7	Potassium	10900		~~E~~	P	
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	9.3	B		P	
7440-23-5	Sodium	31600			P	
7440-28-0	Thallium	4.1	U	N	P	UJ
7440-62-2	Vanadium	45.8	B	E	P	J
7440-66-6	Zinc	147		E	P	J
57-12-5	Cyanide	0.8	B		AS	

Color Before: LT.BROWN Clarity Before CLEAR Texture:

Color After: LT.BROWN Clarity After CLEAR Artifacts:

Comments:

FORM

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2/23/06

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW61-1015

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509282707

Level: (low / med) Date Received: 09/28/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	602		* E	P	J
7440-36-0	Antimony	4.00	U	N	P	UJ
7440-38-2	Arsenic	7.5	B		P	
7440-39-3	Barium	75.7	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	230000			P	
7440-47-3	Chromium	1.2	B	E	P	J
7440-48-4	Cobalt	1.1	B		P	
7440-50-8	Copper	5.0	B		P	
7439-89-6	Iron	2070			P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	39800			P	
7439-96-5	Manganese	224			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	4.7	B	E	P	J
7440-09-7	Potassium	10600		E	P	
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	2.6	B		P	
7440-23-5	Sodium	33800			P	
7440-28-0	Thallium	4.1	U	N	P	UJ
7440-62-2	Vanadium	8.5	B	E	P	J
7440-66-6	Zinc	14.6	B	E	P	J
57-12-5	Cyanide	0.6	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

2/27/06 MR

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

EPA SAMPLE NO.

SKGW06R-1015 (DISS)

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix (soil / water) Water Lab Sample ID: 20509282710

Level: (low / med) _____ Date Received: 09/28/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U		P	
7440-36-0	Antimony	4.00	U	N	P	UJ
7440-38-2	Arsenic	4.2	B		P	
7440-39-3	Barium	205			P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	172000			P	
7440-47-3	Chromium	1.4	B		P	
7440-48-4	Cobalt	0.6	J		P	
7440-50-8	Copper	0.7	J		P	
7439-89-6	Iron	27.4	B		P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	28300			P	
7439-96-5	Manganese	147			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	B		P	
7440-09-7	Potassium	2710	B	E	P	J
7782-49-2	Selenium	3.5	J	N	P	UJ
7440-22-4	Silver	2.9	B		P	
7440-23-5	Sodium	20300			P	
7440-28-0	Thallium	4.1	J	N	P	UJ
7440-62-2	Vanadium	6.6	B		P	
7440-66-6	Zinc	1.1	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

2/23/06

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

EPA SAMPLE NO.

SKGW59-1015 (DISS)

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509282711

Level: (low / med) Date Received: 09/28/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U		P	
7440-36-0	Antimony	4.00	U	N	P	UJ
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	50.0	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	173000			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.8	B		P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	32800			P	
7439-96-5	Manganese	0.2	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	27500		E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	3.2	B		P	
7440-23-5	Sodium	96600			P	
7440-28-0	Thallium	4.1	U	N	P	UJ
7440-62-2	Vanadium	6.5	B		P	
7440-66-6	Zinc	1.1	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

2/23/06 MA

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW58-1015 (DISS)

Lab Name: PROJ AAH GCAL Contract:

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

Matrix (soil / water) Water Lab Sample ID: 20509282712

Level: (low / med) Date Received: 09/28/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U	/	P	
7440-36-0	Antimony	4.00	U	N	P	UJ
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	161	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	103000			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	80.3	B		P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	32000			P	
7439-96-5	Manganese	52.6			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	4540	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	2.6	B		P	
7440-23-5	Sodium	30800			P	
7440-28-0	Thallium	4.1	U	N	P	UJ
7440-62-2	Vanadium	5.9	B		P	
7440-66-6	Zinc	1.1	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

2/27/06

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

EPA SAMPLE NO.

SKGW61-1015 (DISS)

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509282715

Level: (low / med) Date Received: 09/28/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U		P	
7440-36-0	Antimony	4.00	U	N	P	UJ
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	70.7	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	228000			P	
7440-47-3	Chromium	14.4			P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	2.6	B		P	
7439-89-6	Iron	169			P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	39800			P	
7439-96-5	Manganese	217			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	9.2	B		P	
7440-09-7	Potassium	10400		E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	3.2	B		P	
7440-23-5	Sodium	34300			P	
7440-28-0	Thallium	4.1	U	N	P	UJ
7440-62-2	Vanadium	6.2	B		P	
7440-66-6	Zinc	1.1	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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	205092827	10-12-05

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 - 3rd Qtr. 05
Sampled By: Roger Huth / Jason Burden

Analytical Requests & Method

Lab use only:
Custody Seal used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 2

Matrix	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Volatiles	Semi-Volatiles	PCB's	Pesticides	Total Metals	Dissolved Metals	Cyanide			Remarks:	Lab ID
W	9/27/05	1245		X	SKGW06R-1015	Various	10	X	X	X	X	X	X	X		0.45	Refer to Table	9/28
		1320			SKGW59-1015	"	10	X	X	X	X	X	X	X		+10	7 (TCL) and	-1
		1030			SKGW58-1015		3	X								+11	Table 8 (TAC)	-2
		1045			SKGW58-1015 MS		3	X									of the final	-3
		1115			SKGW58-1015 MSD		3	X									O&M Plan	4
		1145			SKGW61-1015		3	X									for the list	5
		1300			SKGW07R-1015		3	X									of analytes	-7
					TRIP BLANKS		3	X										-8
																		-9

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	9-27-05	1800
Relinquished by: (Signature) Fedex	Received by: (Signature)	9-28-05	1300
Relinquished by: (Signature)	Received by: (Signature)		

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

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	205092827	10-12-05
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: Glenn Springs
Address: Contract
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 3rd Qtr. 05
Sampled By: Roger Huth / Jason Burden

Analytical Requests & Method

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 2

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	PCB's	Pesticides	Total Metals	Dissolved Metals	Cyanide			Diss		Remarks:	Lab ID 9/28
W	9-27-05	1030		X	SKGW58-1015	Various	7	X	X	X	X	X	X			-12		Refer to Table	-3
"	"	1145		"	SKGW61-1015	"	"	"	"	"	"	"	"			-15		7 (TCL) and	-7
																		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	9-27-05	1800
Fedex	[signature]	9-28-05	1300

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

28-0000

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	205092827	10-12-05

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: 5428001
Project Name/Number: SKINNER Landfill - 3rd Qtr. 05
Sampled By: Roger Hulh / Jason Burden

Analytical Requests & Method

Lab use only:
Custody Seal used ☐ yes ☐ no
Intact ☐ yes ☐ no
Temperature °C 2

Matrix	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	PCB's	Pesticides	Total Metals	Dissolved Metals	Cyanide				Remarks:	Lab ID
W	9-27-05	1045		X	SKGW58-1015 MS	Various	7	X	X	X	X	X	X			0.55	Refer to Table 7 (TCL) and Table 8 (TAC) of the final O&M Plan for the list of analytes	9/28 -4
		1115		"	SKGW58-1015 MSD	"	"											-5

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Roger E Hulh	Fed Ex	9-27-05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex		9-28-05	1300
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

WHITE: CLIENT FINAL REPORT — CANARY LABORATORY — PINK: CLIENT

06 11/98

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 54280

LABORATORY REPORT NUMBER 205091601

PROJECT MANAGER: Ron Rolker

Date: December 6, 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 205091601 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 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) 205091601.

GCAL #	Sample Description
20509160103	SKSW51-1015
20509160104	SKSW51-1015 DUPE
20509160105	SKSW50-1015
20509160106	SKSW50-1015 MS
20509160108	SKSW50-1015 DUP
20509160109	SKSW52-1015
20509160111	EQUPIMENT BLANK
20509160112	SKSW51-1015 (DISS)
20509160113	SKSW51-1015 DUPE (DISS)
20509160114	SKSW50-1015 (DISS)
20509160115	SKSW50-1015 MS (DISS)
20509160116	SKSW50-1015 DUP (DISS)
20509160117	EQUPIMENT BLANK (DISS)
20509160118	SKSW52-1015 (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).

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 SKSW50-1015 (total and dissolved fractions) 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 SKSW50-1015 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Selenium in the total fraction (0%) and in the dissolved fraction (51%).

As per the National Functional Guidelines: if the percent recovery is less than 30% qualify detected results with "J" and non-detected results with "R". If the recovery falls between 30% and 74% the sample results greater than the IDL are qualified with "J" while the results less than the IDL are qualified 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 with the exception of Potassium. As per the National Functional Guidelines, if the percent criterion is not met for the serial dilution then qualify the associated results with "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

GCAL qualified the total and dissolved results for Manganese with and "E". The initial results for Manganese did not meet the criteria of greater than fifty times the IDL and therefore should not have been qualified with an "E" qualifier. The data validator made the correction manually. The initial sample results for a majority of the analytes listed on pages 504 and 505 of the report were incorrectly listed. The data validator manually made the corrections on pages 504 and 505 of the report.

11. OVERALL ASSESSMENT

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards analyzed on 10/4/05 were 88%, 74%, and 82%. As per the National Functional Guidelines, 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 205091601 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 September 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 205091601.

GCAL #	Sample Description
20509160103	SKSW51-1015
20509160104	SKSW51-1015 DUPE
20509160105	SKSW50-1015
20509160106	SKSW50-1015 MS
20509160107	SKSW50-1015 MSD
20509160109	SKSW52-1015
20509160111	EQUPIMENT BLANK
20509160119	SKSW52-1015 (RE)

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

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were initially extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time. Sample SKSW52-1015 was re-extracted (outside the holding time) due to several of the surrogate recoveries being outside of the acceptance criteria. As per the National Functional Guidelines, if technical holding times are exceeded, qualify all detected compound results as estimated "J" and sample quantitation limits as estimated "UJ".

2. GC/MS TUNING

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

3. CALIBRATION

A. Initial Calibration

Two IC's dated 10/17/05 and 10/24/05 were 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 for the IC's dated 10/17/05 were within the acceptance criteria specified in the method for all target compounds with the exception of 2,4-Dinitrophenol. 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.

The RRF's and the average RRF for the IC's dated 10/24/05 were within the acceptance criteria specified in the method for all target compounds.

B. Continuing Calibration

Three CC's dated 10/17/05, 10/18/05 and 10/24/05 were analyzed in support of the semivolatile sample analyses reported in the data submissions.

The percent difference (%D) between the average RRF's and the CC Response Factors for the CC dated 10/17/05 were within the acceptance criteria with the exception of 4,6-dinitro-o-cresol and Pentachlorophenol. As per the National Functional Guidelines, if the %D is outside the ± 25% criterion then qualify positive results with "J" and non-detected results with "UJ".

The percent difference (%D) between the average RRF's and the CC Response Factors for the CC dated 10/18/05 were within the acceptance criteria with the exception of 4-Chloroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, and 4-Nitroaniline As per the National Functional Guidelines, if the %D is outside the ± 25% criterion then qualify positive results with "J" and non-detected results with "UJ".

The percent difference (%D) between the average RRF's and the CC Response Factors for the CC dated 10/24/05 were within the acceptance criteria.

The CC RRF's for the CC dated 10/17/05 were within the acceptance criteria specified in the method for all target compounds with the exception of 2,4-Dinitrophenol. The 2,4-Dinitrophenol results were previously qualified under section 3A above.

The CC RRF's for the CC's dated 10/18/05 and 10/24/05 were within the acceptance criteria specified in the method for all target compounds.

4. BLANKS

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

Method Blank (MB275078)

There were no target compounds detected in the method blank extracted on 9/20/05.

Method Blank (MB289198)

Di-n-butylphthalate (0.563 ppb) and Bis-(2-ethylhexyl) phthalate (1.02 ppb) were detected in the blank extracted on 10/19/05.

Equipment Blank

Di-n-butylphthalate (0.542 ppb) and Bis-(2-ethylhexyl) phthalate (3.99 ppb) was detected in the Equipment Blank associated with the samples that were collected on 9/14/05.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits except for the following:

Phenol-d5 (0%) associated with sample SKSW51-1015;

2-Fluorobiphenyl (914%), Phenol-d5 (0%), and 2,4,6-Tribromophenol(1323%) associated with sample SKSW52-1015;

2-Fluorobiphenyl (175%), Phenol-d5 (0%), and 2,4,6-Tribromophenol(189%) associated with the method blank 275078.

As per the National Functional Guidelines:

If any two base/neutral or acid surrogates are out of specification, or if any one base/neutral or acid extractable surrogate has a recovery of less than 10 percent, then there should be a re-analysis to confirm that the non-compliance is due to sample matrix effects rather than laboratory deficiencies.

If two or more surrogates in either semivolatile fraction (base/neutral or acid fraction) have a recovery greater than the upper acceptance limit then qualify detected results with "J".

If two or more surrogates in either semivolatile fraction have a recovery greater than or equal to 10 percent but less than the lower acceptance limit qualify detected results for that fraction with "J" and non-detected results with "UJ".

If any surrogate in either fraction shows less than 10% qualify detected analytes for that fraction with "J" and non-detected results for that fraction with "R".

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

Sample SKSW50-1015 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of Pentachlorophenol associated with the MS/MSD (108% & 130%). The %RPD between the MS/MSD is 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 (IS) areas were within acceptable limits for the reported semivolatile sample analyses with the exception of Acenaphthene-d10 (low), Chrysene (low), and Pyrene-d12 (no recovery) associated with sample SKSW52-1015 and Pyrene-d12 (low) associated with the method blank 275078. Internal standard retention times were within acceptable limits for the reported semivolatile sample analyses. As per the National Functional Guidelines, if the IS area counts are low qualify detected results quantified using the IS with "J" and non-detected results quantified using the IS with "UJ". Sample SKSW52-1015 was re-extracted and the IS area count recoveries were within the acceptance criteria.

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

GCAL listed the re-extracted sample SKSW52-1015 on the Form IV for method blank 275078 when it should be listed only on the Form IV for the method blank 28198. They also listed samples SKSW51-1015, SKSW51-1015 dup, SKSW50-1015, SKSW50-1015 MS, SKSW50-1015 MSD, SKSW52-1015 and the Equipment Blank on the Form IV for the method blank 28198 when they should be listed only on the Form IV for method blank 275078. The data validator manually made the corrections on the Form IV's.

12. OVERALL ASSESSMENT

The Di-n-butylphthalate and Bis-(2-ethylhexyl) phthalate results detected in the samples analyzed on 10/14/05 were mitigated by the presence of Bis-(2-ethylhexyl) phthalate detected in the associated equipment blank.

The Di-n-butylphthalate and Bis-(2-ethylhexyl) phthalate results detected in the samples analyzed on 10/24/05 were mitigated by the presence of Di-n-butylphthalate and Bis-(2-ethylhexyl) phthalate detected in the associated method blank.

The data validator recommends that the results for sample SKSW-52-1015 from the re-extracted analysis (dated 10/24/05) be used in place of the results from the analysis dated 10/17/05 for reporting purposes do to the poor recovery of surrogates and internal standards associated with sample SKSW-52-1015 analyzed on 10/17/05. The results for sample SKSW-52-1015 should eb used for informational purposes only.

All other results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205091601 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 September 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 205091601.

GCAL #	Sample Description
20509160101	TRIP BLANK
20509160102	SKGW65-1015
20509160103	SKSW51-1015
20509160104	SKSW51-1015 DUPE
20509160105	SKSW50-1015
20509160106	SKSW50-1015 MS
20509160107	SKSW50-1015 MSD
20509160109	SKSW52-1015
20509160111	EQUPIMENT BLANK

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 one GC/MS system, identified as MSV4. Three bromofluorobenzene (BFB) tunes were run on MSV4. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

Two IC's dated 9/21/05 and 9/22/05 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 RRF's and the average RRF for the IC's dated 9/21/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. 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.

The RRF's and the average RRF for the IC's dated 9/22/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. 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.

The %RSD's were within the acceptance criteria specified in the method for both IC's.

B. Continuing Calibration

One CC dated 9/21/05 and two CC's dated 9/22/05 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 compounds.

The CC RRF's for the CC dated 9/21/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. The Acetone results were previously qualified under section 3A above.

The CC RRF's for the CC dated 9/22/05 (0820) 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.

The CC RRF's for the CC dated 9/22/05 (2043) 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

Three laboratory volatile method blanks, storage blank, Equipment blank, and a Trip Blank were analyzed with this SDG. The results are summarized below.

MB275278

There were no target compounds detected in the method blank analyzed on 9/21/05 (1707).

MB275701

Methylene chloride (0.080 ppb) was detected in the method blank analyzed on 9/22/05 (1102). There is a peak present on the chromatogram at the retention time at which Acetone elutes.

MB276019

There were no target compounds detected in the method blank analyzed on 9/22/05 (2154).

Storage Blank (VHBLK)

There were no target compounds detected in the Storage Blank analyzed on 9/22/05.

Equipment Blank

Acetone was detected at a concentration of 1.6 ppb in the Equipment Blank collected on 9/14/05.

Trip Blank

There were no target compounds detected in the Trip Blank associated with the samples that were collected on 9/14/05.

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

There were no MS/MSD samples submitted for analysis with this SDG.

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 submitted for review appeared accurate and in order.

13. OVERALL ASSESSMENT

The Acetone detected in samples SKSW51-1015, SKSW51-1015 DUPE, SKSW50-1015, and SKSW52-1015 was mitigated by the presence of Acetone in the associated equipment blank. The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 205091601 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 September 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 205091601.

GCAL #	Sample Description
20509160103	SKSW51-1015
20509160104	SKSW51-1015 DUPE
20509160105	SKSW50-1015
20509160106	SKSW50-1015 MS
20509160107	SKSW50-1015 MSD
20509160109	SKSW52-1015
20509160111	EQUIPMENT BLANK

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 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.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20%. 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.

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 for the calibration dated 9/24/05 on column RTX-35MS.

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.

5. BLANKS

One laboratory method blank and an equipment blank were analyzed with this SDG. The results are summarized below.

<u>Method Blank 275026</u>

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 9/20/05.

<u>Equipment Blank</u>

No constituents were detected above the laboratory-reporting limit in the Equipment Blank associated with the samples that were collected on 9/14/05.

6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples except as follows:

Sample ID	TCX (%)	DCM (%)
SKSW51-1015	**10**	53
SKSW51-1015 DUPE	**8**	54
SKSW50-1015	**7**	60
SKSW50-1015 MS	**11**	51
SKSW50-1015 MSD	**17**	**23**
SKSW52-1015	**6**	33
EQUIPMENT BLANK	**4**	33
Method Blank 275026	**15**	65

As per the National Functional Guidelines, if the surrogate(s) recoveries are between 10 and 30 percent then qualify detected compounds with "J" and non-detected compounds with "UJ". If either surrogate percent recovery is reported as between 0 and 10 percent then detected compounds may be qualified with "J" and non-detected compounds should be qualified as unusable with "R". After a review of the chromatograms and using professional judgment the data validator qualified the detected pesticide results with "J" and non-detected pesticide result with "UJ".

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKSW50-1015 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of Aldrin (7%/6%), Heptachlor (15%/14%), and Lindane (53%/33%). The relative percent difference between the MS/MSD results were within the acceptance criteria with the exception of Dieldrin (31%), Endrin (29%), and Lindane (47%). 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 Pesticide Form VII-2 was not included in the data package. The data validator called GCAL and requested the missing documentation.

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 10/26/2005

GCAL Report 205091601

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:** 205091601

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 SPECTOMETRY

In the OLM04.2 – CLP Semivolatiles analysis, sample 20509160109 (SKSW52-1015) had an interference with internal standards. The sample was re-extracted and re-analyzed as sample 20509160119 (SKSW52-1015 (RE)) outside the method holding time.

In the OLM04.2 – CLP Semivolatiles analysis, the MS/MSD recoveries for Pentachlorophenol were above the upper control limit.

In the OLM04.2 – CLP Semivolatiles analysis, several samples exhibited surrogate recoveries outside recovery limits.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.1-CLP Pesticides analysis, several samples exhibited surrogate recoveries outside QC limits.

In the OLM04.1-CLP Pesticides analysis, the MS/MSD exhibited recovery failures for Aldrin, Heptachor and gamma-BHC.

METALS

In the ILM04.1 - CLP Metals analysis for prep batch 300597, the MS and/or MSD recovery was outside the control limits for Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The Sample/Duplicate RPD for Aluminum, Silver and Zinc is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. Manganese is 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 300598, the MS and/or MSD recovery was outside the control limits for Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The Sample/Duplicate RPD for Nickel is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. Manganese and Potassium 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.

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 results 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 205091601

THIS REPORT CONTAINS 062 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20509160101	TRIP BLANK	Water	09/14/2005 00:00	09/15/2005 14:00
20509160102	SKGW65-1015	Water	09/14/2005 09:15	09/15/2005 14:00
20509160103	SKSW51-1015	Water	09/14/2005 10:40	09/15/2005 14:00
20509160104	SKSW51-1015 DUPE	Water	09/14/2005 10:40	09/15/2005 14:00
20509160105	SKSW50-1015	Water	09/14/2005 13:30	09/15/2005 14:00
20509160106	SKSW50-1015 MS	Water	09/14/2005 13:45	09/15/2005 14:00
20509160107	SKSW50-1015 MSD	Water	09/14/2005 14:00	09/15/2005 14:00
20509160108	SKSW50-1015 DUP	Water	09/14/2005 13:45	09/15/2005 14:00
20509160109	SKSW52-1015	Water	09/14/2005 09:45	09/15/2005 14:00
20509160110	EQUIPMENT BLANK	Water	09/14/2005 15:30	09/15/2005 14:00
20509160111	VHBLK	Water		09/15/2005 14:00
20509160112	SKSW51-1015 (DISS)	Water	09/14/2005 10:40	09/15/2005 14:00
20509160113	SKSW51-1015 DUPE (DISS)	Water	09/14/2005 10:40	09/15/2005 14:00
20509160114	SKSW50-1015 (DISS)	Water	09/14/2005 13:30	09/15/2005 14:00
20509160115	SKSW50-1015 MS (DISS)	Water	09/14/2005 13:45	09/15/2005 14:00
20509160116	SKSW50-1015 DUP (DISS)	Water	09/14/2005 14:00	09/15/2005 14:00
20509160117	EQUIPMENT BLANK (DISS)	Water	09/14/2005 15:30	09/15/2005 14:00
20509160118	SKSW52-1015 (DISS)	Water	09/14/2005 09:45	09/15/2005 14:00
20509160119	SKSW52-1015 (RE)	Water	09/14/2005 09:45	09/15/2005 14:00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160101

Level: (low/med) Lab File ID: 20509211U6698

% Moisture: not dec. Date Collected: 09/14/05 Time: 0000

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/21/05 Time: 1818

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299906

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	

12/3/05 MSA

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: (soil/water) Water

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

Lab Sample ID: 20509160101

Level: (low/med)

Lab File ID: 2050921/U6698

% Moisture: not dec.

Date Collected: 09/14/05 Time: 0000

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

Date Received: 09/15/05

Instrument ID: MSV4

Date Analyzed: 09/21/05 Time: 1818

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 299906

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.

TRIP BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: Water Lab Sample ID: 20509160101

Sample wt/vol: Units: Lab File ID:

Level: (low/med) Date Collected: 09/14/05 Time: 0000

% Moisture: not dec. Date Received: 09/15/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/21/05 Time: 1818

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW65-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160102

Level: (low/med) Lab File ID: 2050921/U6699

% Moisture: not dec. Date Collected: 09/14/05 Time: 0915

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/21/05 Time: 1842

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299906

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	

12/7/05 MSR

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW65-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160102

Level: (low/med) Lab File ID: 20509211U6699

% Moisture: not dec. Date Collected: 09/14/05 Time: 0915

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/21/05 Time: 1842

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299906

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.
SKGW65-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: Water Lab Sample ID: 20509160102

Sample wt/vol: Units: Lab File ID:

Level: (low/med) Date Collected: 09/14/05 Time: 0915

% Moisture: not dec. Date Received: 09/15/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/21/05 Time: 1842

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW51-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160103

Level: (low/med) Lab File ID: 2050922U6735

% Moisture: not dec. Date Collected: 09/14/05 Time: 1040

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1546

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

12/7/06 MSK

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW51-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160103

Level: (low/med) Lab File ID: 2050922/U6735

% Moisture: not dec. Date Collected: 09/14/05 Time: 1040

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1546

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

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.
SKSW51-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: Water Lab Sample ID: 20509160103

Sample wt/vol: Units: Lab File ID:

Level: (low/med) Date Collected: 09/14/05 Time: 1040

% Moisture: not dec. Date Received: 09/15/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/05 Time: 1546

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW51-1015 DUPE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160104

Level: (low/med) Lab File ID: 2050921/U6705

% Moisture: not dec. Date Collected: 09/14/05 Time: 1040

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 0116

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299906

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 ~~28~~	✓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	

12/7/05 MK

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW51-1015 DUPE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160104

Level: (low/med) Lab File ID: 2050921U6705

% Moisture: not dec. Date Collected: 09/14/05 Time: 1040

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 0116

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299906

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.
SKSW51-1015 DUPE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: Water Lab Sample ID: 20509160104

Sample wt/vol: Units: Lab File ID:

Level: (low/med) Date Collected: 09/14/05 Time: 1040

% Moisture: not dec. Date Received: 09/15/05

GC Column: RTX-624-30 ID: .53 (mm) Date Analyzed: 09/22/05 Time: 0116

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW50-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No. SAS No.: SDG No.: 205091601

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160105

Level: (low/med) Lab File ID: 2050922/U6729

% Moisture: not dec. Date Collected: 09/14/05 Time: 1330

GC Column: DB-624-30M ID: 53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1308

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

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 3.4	~~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	

12/7/05 MSR

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW50-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160105

Level: (low/med) Lab File ID: 2050922/U6729

% Moisture: not dec. Date Collected: 09/14/05 Time: 1330

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1308

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

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.

SKSW50-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: Water Lab Sample ID: 20509160105

Sample wt/vol: Units: Lab File ID:

Level: (low/med) Date Collected: 09/14/05 Time: 1330

% Moisture: not dec. Date Received: 09/15/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/05 Time: 1308

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW52-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160109

Level: (low/med) Lab File ID: 2050922/U6734

% Moisture: not dec. Date Collected: 09/14/05 Time: 0945

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1523

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

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 ~~38~~	~~J~~ 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	

12/7/05 MIR

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW52-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No: SAS No: SDG No.: 205091601

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID 20509160109

Level: (low/med) Lab File ID 2050922U6734

% Moisture: not dec. Date Collected 09/14/05 Time: 0945

GC Column: DB-624-30M ID: 53 (mm) Date Received 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1523

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

Soil Aliquot Volume: (µL) Prep Batch Analytical Batch: 299981

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.
SKSW52-1015

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: Water Lab Sample ID: 20509160109

Sample wt/vol: Units: Lab File ID:

Level: (low/med) Date Collected: 09/14/05 Time: 0945

% Moisture: not dec. Date Received: 09/15/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/05 Time: 1523

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: *ug/L*

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EQUIPMENT BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No: SAS No: SDG No.: 205091601

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20509160110

Level: (low/med) Lab File ID: 2050922U6730

% Moisture: not dec. Date Collected: 09/14/05 Time: 1530

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/15/05

Instrument ID: MSV4 Date Analyzed: 09/22/05 Time: 1333

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 299981

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

10/7/05 [illegible]

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EQUIPMENT BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: (soil/water) Water

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

Lab Sample ID: 20509160110

Level: (low/med)

Lab File ID: 2050922/U6730

% Moisture: not dec.

Date Collected: 09/14/05 Time: 1530

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

Date Received: 09/15/05

Instrument ID: MSV4

Date Analyzed: 09/22/05 Time: 1333

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 299981

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.

EQUIPMENT BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205091601

Matrix: Water Lab Sample ID: 20509160110

Sample wt/vol: Units: Lab File ID:

Level: (low/med) Date Collected: 09/14/05 Time: 1530

% Moisture: not dec. Date Received: 09/15/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/05 Time: 1333

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

	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.: 205091601

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: SKSW51-1015

Contract:

Lab File ID: 2051017P/B4017

Lab Sample ID: 20509160103

Date Collected: 09/14/05 Time: 1040

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2126

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0	R
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0	R
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0	R
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0	R
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	R
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	R
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	R
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0	R
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	R
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	

12/29/05 MSC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 205091601
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: SKSW51-1015
Contract:
Lab File ID: 2051017P/B4017
Lab Sample ID: 20509160103
Date Collected: 09/14/05 Time: 1040
Date Received: 09/15/05
Date Extracted: 09/20/05
Date Analyzed: 10/17/05 Time: 2126
Dilution Factor: 1 Analyst: RLW
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~9.44~~	J	0.010	10.0	UL
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	R
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	R
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	R
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	R
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	

12/22/05 MJL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: SKSW51-1015

Contract:

Lab File ID: 2051017P/B4017

Lab Sample ID: 20509160103

Date Collected: 09/14/05 Time: 1040

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2126

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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	R

12/2/05 MK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: SKSW51-1015 DUPE

Contract:

Lab File ID: 2051017P/B4018

Lab Sample ID: 20509160104

Date Collected: 09/14/05 Time: 1040

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2144

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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	4J R
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	17.9		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	4J
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	

12/29/05 [illegible]

FORM SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: SKSW51-1015 DUPE

Contract:

Lab File ID: 2051017P/B4018

Lab Sample ID: 20509160104

Date Collected: 09/14/05 Time: 1040

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2144

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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

UJ

12/25/05

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: SKSW51-1015 DUPE

Contract:

Lab File ID: 2051017P/B4018

Lab Sample ID: 20509160104

Date Collected: 09/14/05 Time: 1040

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2144

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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.: 205091601

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: SKSW50-1015

Contract:

Lab File ID: 2051017P/B4019

Lab Sample ID: 20509160105

Date Collected: 09/14/05 Time: 1330

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2203

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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	R
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	UJ
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	

12/29/05

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: SKSW50-1015

Contract:

Lab File ID: 2051017P/B4019

Lab Sample ID: 20509160105

Date Collected: 09/14/05 Time: 1330

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2203

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~6.61~~	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 ~~2.63~~	J	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	UJ
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	

12/21/05 AL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: SKSW50-1015

Contract:

Lab File ID: 2051017P/B4019

Lab Sample ID: 20509160105

Date Collected: 09/14/05 Time: 1330

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2203

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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.: 205091601

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: SKSW52-1015

Contract:

Lab File ID: 2051017P/B4022

Lab Sample ID: 20509160109

Date Collected: 09/14/05 Time: 0945

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2300

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0	R
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0	R
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0	R
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0	R
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0	U
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	R
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	R
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	R
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0	R
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	R
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	

12/21/05

FORM 1 SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: SKSW52-1015

Contract:

Lab File ID: 2051017P/B4022

Lab Sample ID: 20509160109

Date Collected: 09/14/05 Time: 0945

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2300

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	0.0 ~~4.41~~	J	0.010	10.0	J
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	R
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	0.606	J	0.010	10.0	J
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	R
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	R
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	R
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	

12/25/05 MK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: SKSW52-1015

Contract:

Lab File ID: 2051017P/B4022

Lab Sample ID: 20509160109

Date Collected: 09/14/05 Time: 0945

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2300

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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

R

12/23/05

FORM SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: EQUIPMENT BLANK

Contract:

Lab File ID: 2051017P/B4023

Lab Sample ID: 20509160110

Date Collected: 09/14/05 Time: 1530

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2319

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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	R
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	UJ
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	

12/27/05 MR

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: EQUIPMENT BLANK

Contract:

Lab File ID: 2051017P/B4023

Lab Sample ID: 20509160110

Date Collected: 09/14/05 Time: 1530

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2319

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 299865 Analytical Batch: 302443

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	3.99	J	0.010	10.0
101-55-3	4-Bromophenyl-phenyl ether	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	0.542	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	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

US

11/21/05 MR

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

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: EQUIPMENT BLANK

Contract:

Lab File ID: 2051017P/B4023

Lab Sample ID: 20509160110

Date Collected: 09/14/05 Time: 1530

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 10/17/05 Time: 2319

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 299865 Analytical Batch: 302443

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.: 205091601

Matrix: Water

Sample wt/vol: 840 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: SKSW52-1015 (RE)

Contract:

Lab File ID: 2051024/B4286

Lab Sample ID: 20509160119

Date Collected: 09/14/05 Time: 0945

Date Received: 09/15/05

Date Extracted: 10/19/05

Date Analyzed: 10/24/05 Time: 1108

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 303224 Analytical Batch: 303299

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	11.9	U	0.012	11.9
88-06-2	2,4,6-Trichlorophenol	11.9	U	0.012	11.9
120-83-2	2,4-Dichlorophenol	11.9	U	0.012	11.9
51-28-5	2,4-Dinitrophenol	29.8	U	0.012	29.8
121-14-2	2,4-Dinitrotoluene	11.9	U	0.012	11.9
606-20-2	2,6-Dinitrotoluene	11.9	U	0.012	11.9
91-58-7	2-Chloronaphthalene	11.9	U	0.012	11.9
95-57-8	2-Chlorophenol	11.9	U	0.012	11.9
91-57-6	2-Methylnaphthalene	11.9	U	0.012	11.9
88-74-4	2-Nitroaniline	29.8	U	0.012	29.8
88-75-5	2-Nitrophenol	11.9	U	0.012	11.9
91-94-1	3,3'-Dichlorobenzidine	11.9	U	0.012	11.9
99-09-2	3-Nitroaniline	29.8	U	0.012	29.8
534-52-1	2-Methyl-4,6-dinitrophenol	29.8	U	0.012	29.8
59-50-7	4-Chloro-3-methylphenol	11.9	U	0.012	11.9
106-47-8	4-Chloroaniline	11.9	U	0.012	11.9
7005-72-3	4-Chlorophenyl-phenylether	11.9	U	0.012	11.9
106-44-5	4-Methylphenol (p-Cresol)	11.9	U	0.012	11.9
83-32-9	Acenaphthene	11.9	U	0.012	11.9
208-96-8	Acenaphthylene	11.9	U	0.012	11.9
120-12-7	Anthracene	11.9	U	0.012	11.9
56-55-3	Benzo(a)anthracene	11.9	U	0.012	11.9
50-32-8	Benzo(a)pyrene	11.9	U	0.012	11.9
205-99-2	Benzo(b)fluoranthene	11.9	U	0.012	11.9
191-24-2	Benzo(g,h,i)perylene	11.9	U	0.012	11.9
207-08-9	Benzo(k)fluoranthene	11.9	U	0.012	11.9
111-91-1	Bis(2-Chloroethoxy)methane	11.9	U	0.012	11.9
111-44-4	Bis(2-Chloroethyl)ether	11.9	U	0.012	11.9
108-60-1	bis(2-Chloroisopropyl)ether	11.9	U	0.012	11.9

FORM SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

Matrix: Water

Sample wt/vol: 840 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: SKSW52-1015 (RE)

Contract:

Lab File ID: 2051024/B4286

Lab Sample ID: 20509160119

Date Collected: 09/14/05 Time: 0945

Date Received: 09/15/05

Date Extracted: 10/19/05

Date Analyzed: 10/24/05 Time: 1108

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 303224 Analytical Batch: 303299

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~1.12~~	JB	0.012	11.9
101-55-3	4-Bromophenyl-phenylether	11.9	U	0.012	11.9
85-68-7	Butylbenzylphthalate	11.9	U	0.012	11.9
86-74-8	Carbazole	11.9	U	0.012	11.9
218-01-9	Chrysene	11.9	U	0.012	11.9
84-74-2	Di-n-butylphthalate	11.9	U	0.012	11.9
117-84-0	Di-n-octylphthalate	11.9	U	0.012	11.9
53-70-3	Dibenz(a,h)anthracene	11.9	U	0.012	11.9
132-64-9	Dibenzofuran	11.9	U	0.012	11.9
84-66-2	Diethylphthalate	11.9	U	0.012	11.9
131-11-3	Dimethyl-phthalate	11.9	U	0.012	11.9
105-67-9	2,4-Dimethylphenol	11.9	U	0.012	11.9
206-44-0	Fluoranthene	11.9	U	0.012	11.9
86-73-7	Fluorene	11.9	U	0.012	11.9
118-74-1	Hexachlorobenzene	11.9	U	0.012	11.9
87-68-3	Hexachlorobutadiene	11.9	U	0.012	11.9
77-47-4	Hexachlorocyclopentadiene	11.9	U	0.012	11.9
67-72-1	Hexachloroethane	11.9	U	0.012	11.9
193-39-5	Indeno(1,2,3-cd)pyrene	11.9	U	0.012	11.9
78-59-1	Isophorone	11.9	U	0.012	11.9
91-20-3	Naphthalene	11.9	U	0.012	11.9
100-01-6	4-Nitroaniline	29.8	U	0.012	29.8
98-95-3	Nitrobenzene	11.9	U	0.012	11.9
100-02-7	4-Nitrophenol	29.8	U	0.012	29.8
87-86-5	Pentachlorophenol	29.8	U	0.012	29.8
85-01-8	Phenanthrene	11.9	U	0.012	11.9
108-95-2	Phenol	11.9	U	0.012	11.9
129-00-0	Pyrene	11.9	U	0.012	11.9
621-64-7	N-Nitroso-di-n-propylamine	11.9	U	0.012	11.9

uJ

12/27/05 MR

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 205091601

Matrix: Water

Sample wt/vol: 840 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: SKSW52-1015 (RE)

Contract:

Lab File ID: 2051024/B4286

Lab Sample ID: 20509160119

Date Collected: 09/14/05 Time: 0945

Date Received: 09/15/05

Date Extracted: 10/19/05

Date Analyzed: 10/24/05 Time: 1108

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 303224 Analytical Batch: 303299

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	11.9	U	0.012	11.9
95-48-7	o-Cresol	11.9	U	0.012	11.9

FORM - 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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 299843 Analytical Batch: 301805

Sample ID: SKSW51-1015
Contract:
SAS No.: SDG No.: 205091601
Lab Sample ID: 20509160103
Date Collected: 09/14/05 Time: 1040
Date Received: 09/15/05
Date Extracted: 09/20/05
Date Analyzed: 09/24/05 Time: 2011
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A

CONCENTRATION UNITS: ug/L
Lab File ID: 2050924/SV16A016

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

UJ

2/20/06 mcl

FORM I ORG-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: ID: (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH

Prep Batch: 299843 Analytical Batch 301805

CONCENTRATION UNITS: ug/L

Sample ID: SKSW51-1015 DUPE

Contract:

SAS No: SDG No.: 205091601

Lab Sample ID: 20509160104

Date Collected: 09/14/05 Time: 1040

Date Received: 09/15/05

Date Extracted: 09/20/05

Date Analyzed: 09/24/05 Time: 2030

Dilution Factor: 1 Analyst: TLS

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A

Lab File ID: 2050924/SV16A017

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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2/16/06

FORM I ORG-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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 299843 Analytical Batch: 301805

Sample ID: SKSW50-1015
Contract:
SAS No.: SDG No.: 205091601
Lab Sample ID: 20509160105
Date Collected: 09/14/05 Time: 1330
Date Received: 09/15/05
Date Extracted: 09/20/05
Date Analyzed: 09/24/05 Time: 2048
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A
Lab File ID: 2050924/SV16A018

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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FORM I ORG-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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 299843 Analytical Batch 301805

Sample ID SKSW52-1015
Contract:
SAS No: SDG No.: 205091601
Lab Sample ID: 20509160109
Date Collected 09/14/05 Time: 0945
Date Received: 09/15/05
Date Extracted: 09/20/05
Date Analyzed: 09/24/05 Time: 2144
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A
Lab File ID: 2050924/SV16A021

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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2/23/06

FORM I ORG-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: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 299843 Analytical Batch: 301805

Sample ID: EQUIPMENT BLANK
Contract:
SAS No.: SDG No.: 205091601
Lab Sample ID: 20509160110
Date Collected: 09/14/05 Time: 1530
Date Received: 09/15/05
Date Extracted: 09/20/05
Date Analyzed: 09/24/05 Time: 2203
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050924/SV16A022

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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FORM I ORG-1

U.S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW51-1015

Lab Name: PROJ AAH GCAL Contract

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

Matrix (soil / water) Water Lab Sample ID: 20509160103

Level: (low / med) Date Received: 09/15/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	30.1	B		P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	3.8	U		P	UJ
7440-39-3	Barium	52.0	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	87300			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.9	B		P	
7439-89-6	Iron	45.0	B		P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	24600			P	
7439-96-5	Manganese	7.4	B	E	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	B		P	
7440-09-7	Potassium	3610	B		P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	54000			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	5.1	B		P	
7440-66-6	Zinc	1.1	U		P	
57-12-5	Cyanide	0.6	U		AS	

2/20/06 [illegible]

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW51-1015 DUPE

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix: (soil / water) Water Lab Sample ID: 20509160104

Level: (low / med) _____ Date Received: 09/15/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.1	B		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	51.9	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	87400			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	1.1	B		P
7439-89-6	Iron	45.3	B		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	24900			P
7439-96-5	Manganese	7.1	B	E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3620	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	53600			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	5.0	B		P
7440-66-6	Zinc	1.1	U		P
57-12-5	Cyanide	0.6	U		AS

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Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW50-1015

Lab Name: PROJ AAH GCAL Contract

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

Matrix (soil / water) Water Lab Sample ID: 20509160105

Level: (low / med) Date Received: 09/15/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	36.8	B		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	58.9	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	91800			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	1.8	B		P
7439-89-6	Iron	13.3	B		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	26300			P
7439-96-5	Manganese	5.4	B	E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3950	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.2	B		P
7440-23-5	Sodium	54400			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	4.3	B		P
7440-66-6	Zinc	9.8	B		P
57-12-5	Cyanide	0.6	U		AS

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Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW52-1015

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix: (soil / water) Water Lab Sample ID: 20509160109

Level: (low / med) _____ Date Received: 09/15/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	118	B		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	54.6	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	86600			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	147			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	23700			P
7439-96-5	Manganese	22.0		E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3570	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.5	B		P
7440-23-5	Sodium	53000			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	4.5	B		P
7440-66-6	Zinc	1.1	U		P
57-12-5	Cyanide	0.8	B		AS

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Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQUIPMENT BLANK

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix (soil / water) Water Lab Sample ID: 20509160110

Level: (low / med) _____ Date Received: 09/15/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.4	U		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	0.2	U		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	29.2	B		P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	10.5	U		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	13.0	U		P
7439-96-5	Manganese	2.3	B	E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	54.2	U		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	[illegible]	U		P
7440-23-5	Sodium	92.2	B		P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	0.6	U		P
7440-66-6	Zinc	3.8	B		P
57-12-5	Cyanide	0.6	U		AS

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Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW51-1015 (DISS)

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix: (soil / water) Water Lab Sample ID: 20509160112

Level: (low / med) _____ Date Received: 09/15/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U		P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	3.8	U		P	UJ
7440-39-3	Barium	0.2	U		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.3	B		P	
7440-70-2	Calcium	53.9	B		P	
7440-47-3	Chromium	1.3	B		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	13.0	U		P	
7439-96-5	Manganese	0.1	U	~~E~~	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.2	B		P	
7440-09-7	Potassium	54.2	U	E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	400	B		P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	0.6	U		P	
7440-66-6	Zinc	2.6	B		P	

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Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW51-1015 DUPE (DISS)

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix (soil / water) Water Lab Sample ID: 20509160113

Level: (low / med) _____ Date Received: 09/15/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U		P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	3.8	U		P	UJ
7440-39-3	Barium	53.8	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	90200			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	26000			P	
7439-96-5	Manganese	5.5	B	~~E~~	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3720	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	1.3	B		P	
7440-23-5	Sodium	55600			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	5.6	B		P	
7440-66-6	Zinc	1.1	U		P	

2/20/06
AM

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.

SKSW50-1015 (DISS)

Lab Name: PROJ AAH GCAL Contract: _____

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

Matrix: (soil / water) Water Lab Sample ID: 20509160114

Level: (low / med) _____ Date Received: 09/15/05

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U		P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	3.8	U		P	UJ
7440-39-3	Barium	57.5	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	90900			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.7	B		P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	25700			P	
7439-96-5	Manganese	3.5	B	~~E~~	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3960	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	54200			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	5.1	B		P	
7440-66-6	Zinc	1.1	U		P	

2/2-/06 mL

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.

EQUIPMENT BLANK (DISS)

Lab Name: PROJ AAH GCAL Contract:

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

Matrix (soil / water) Water Lab Sample ID: 20509160117

Level: (low / med) Date Received: 09/15/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U		P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	3.8	U		P	UJ
7440-39-3	Barium	0.2	U		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.2	B		P	
7440-70-2	Calcium	71.2	B		P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	13.0	U		P	
7439-96-5	Manganese	0.1	U	~~E~~	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	54.2	U	E	P	
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	118	B		P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	0.6	U		P	
7440-66-6	Zinc	3.2	B		P	

2/2/06
MSH

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.

SKSW52-1015 (DISS)

Lab Name: PROJ AAH GCAL Contract:

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

Matrix: (soil / water) Water Lab Sample ID: 20509160118

Level: (low / med) Date Received: 09/15/05

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.4	U		P	
7440-36-0	Antimony	4.00	U		P	
7440-38-2	Arsenic	3.8	U		P	UJ
7440-39-3	Barium	51.4	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	86800			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.3	B		P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	24900			P	
7439-96-5	Manganese	5.1	B	~~E~~	P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3570	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	1.3	B		P	
7440-23-5	Sodium	53500			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	4.8	B		P	
7440-66-6	Zinc	1.1	U		P	

2/20/06 MK

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLAER Artifacts:

Comments:

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	205091601	9-29-05

Report to:
Client: EARTH TECH
Address: 2373 PROGRESS Drive
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 - 3rd Qtr. 05
Sampled By: Roger Huth / Jason Burden

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	Volatiles	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissovled Metals	Cyanide		Remarks:	Lab ID 9/16
W	9/14/05	~~0915~~		X	Trip Blank (T.B.)	Various	3	X								Refer to Table	-1
		0915			SKGW65-1015		2	X								7 (TCL) and	-2
		1040			SKSW51-1015		3	X								Table 8 (TAC)	-3
		1040			SKSW51-1015 DUPE		3	X								of the final	-4
		1330			SKSW50-1015		3	X								O&M Plan	-5
		1345			SKSW50-1015 MS		3	X								for the list	-6
		1400			SKSW50-1015 MSD		3	X							D.55	of analytes	-7
		0945			SKSW52-1015		10	X	X	X	X	X	X	X	-18		-9 -19
		1530			EQUIPMENT BLANK (E.B.)		3	X									-10
																VHB/K -11	

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	9/14/05	1800
Fed Ex	Dana Haydel	9/15/05	1400

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

000655

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	4343	205091601	9-29-05
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: Glenn Springs
Address: Contract
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill – 3rd Qtr. 05
Sampled By: Roger Huth / Jason Burden

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 Metal	Cyanide			DISS	Remarks:	Lab ID
W	9/14/05	1040		X	SKSWS1-1015	Various	7	X	X	X	X	X	X		-12		Refer to Table 7 (TCL) and Table 8 (TAC) of the final O&M Plan for the list of analytes	9/16 -3
	9/14/05	1040		X	SKSWS1-1015 DUPE		7	X	X	X	X	X	X		-13			-4

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	9/14/05	1800
Fed Ex	Laura Hughes	9-15-05	1400

Note: Samples sent via FEDEX Standard Turnaround

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, A = air, OT = ...

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	205091601	9-29-05

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 - 3rd Qtr. 05
Sampled By: Roger Huth / Jason Burden

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	D.SS	Remarks:	Lab ID
W	9/14/05	1345		X	SKSW50-1015 MS	Various	7	X	X	X	X	X	X	-15	Refer to Table 7 (TCL) and Table 8 (TAC) of the final O&M Plan for the list of analytes	9/16 6
	9/14/05	1400		X	SKSW50-1015 MSD		7	X	X	X	X	X	X	-16 Dup		7, 8 Dup

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Jason Burden	Fed Ex	9/14/05	1800
Fed Ex	Dana Hayes	9-15-05	140.7

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

000657

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	20509169	9-29-05
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: Glenn Springs
Address: contract
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 3rd Qtr. 05
Sampled By: Roger Huth / Jason Burden

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	Volatiles	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metals	Cyanide		Diss	Remarks:	Lab ID
W				X	Trip Blank	Various											Refer to Table	
	9/14/05	1530			Equipment Blank (EB)		7		X	X	X	X	X	X		-11	7 (TCL) and	-10
	9/14/05	1330			SKSW50-1015		7		X	X	X	X	X	X		-14	Table 8 (TAC)	-5
																	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:
Jason Burden	FED EX	9/14/05	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fed Ex	[illegible]	9/15/05	1400
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

859000