EPA Region 5 Records Ctr.
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REMEDIAL ACTION QUARTERLY MONITORING REPORT

FIRST QUARTER – 2006 (11 of 120)

SKINNER LANDFILL SITE BUTLER COUNTY WEST CHESTER, OHIO

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TABLE OF CONTENTS

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Page

1.0 INTRODUCTION 1
1.1 General Information 1
1.2 Site Location and Description 1
1.3 Site History and Background 1
2.0 SAMPLING METHODS 2
3.0 RESULTS 2
3.1 Groundwater Levels 2
3.2 Groundwater-Waste Monitoring 3
3.3 Groundwater Analytical Results 3
3.4 Surface Water Analytical Results 3

FIGURES

Site Vicinity Map 1

TABLES

Groundwater Elevations 1
Groundwater/Waste Elevations 2
Groundwater Results Summary 3
Surface Water Results Summary 4

APPENDICES

Appendix

POTENTIONMETRIC SURFACE MAP ..... A

SUMMARY OF ANALYTICAL RESULTS ..... B

Groundwater Monitoring Wells
Creek Surface Water Sampling Locations
Run Off Surface Water Sampling Locations

VALIDATED LABORATORY ANALYTICAL RESULTS C

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 first quarter of 2006, which is the 11th 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 hydraulic gradient calculated from data collected was 0.08 ft/ft. The average hydraulic gradient documented in the Remedial Action Baseline Monitoring Report, dated March 2005, is calculated to be 0.13 ft/ft.

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 piezometer P-12, which is one of the piezometers furthest from Duck Pond. Depth to water measurements could not be recorded from piezometers P-9, P-10 and P-11 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 quantitation limit (CRQL) 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.

The groundwater samples collected from groundwater monitoring wells GW-61, GW-62B and from GW-64 contained concentrations of 2-butanone that exceeded the CRQL. However, the analytical sample results were qualified with a "J" flag, which denotes that the analyte was positively identified, but that the associated value is an approximate concentration of the analyte in the sample. Concentrations of 2-butatone have not been previously detected at these sample locations.

Three of the 24 TAL parameters that have a corresponding trigger level were detected above the CRQL and consisted of barium, iron and mercury in the sample collected from groundwater monitoring well GW-58. Iron was also detected in the samples collected from groundwater monitoring wells GW-07R and GW-61. The mercury concentration exceeded the revised modified trigger level, which has not occurred previously at this sampling location.

3.4 SURFACE WATER ANALYTICAL RESULTS

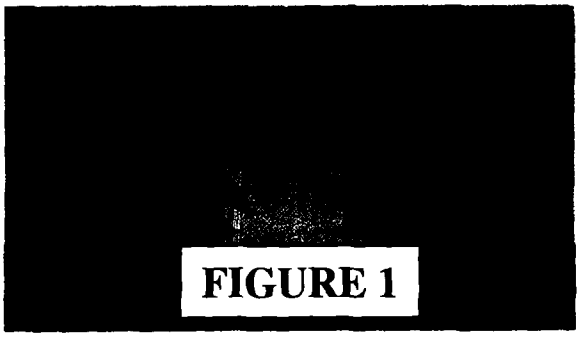
Surface water analyzed consisted of surface water collected directly from the East Fork of Mill Creek. A summary of TCL and TAL parameter concentrations encountered above the CRQL and revised modified trigger level is provided on Table 4. A summary of surface water laboratory analytical results is presented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

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

One of the 24 TAL parameters, that have a corresponding trigger level, was detected above the CRQL. Detections of zinc were identified in two surface water run-off sampling locations. However, the detected constituent present above the CRQL level was not present above the associated revised modified trigger level.

FIGURES

FIGURES



SITE VICINITY MAP

FIGURE 1

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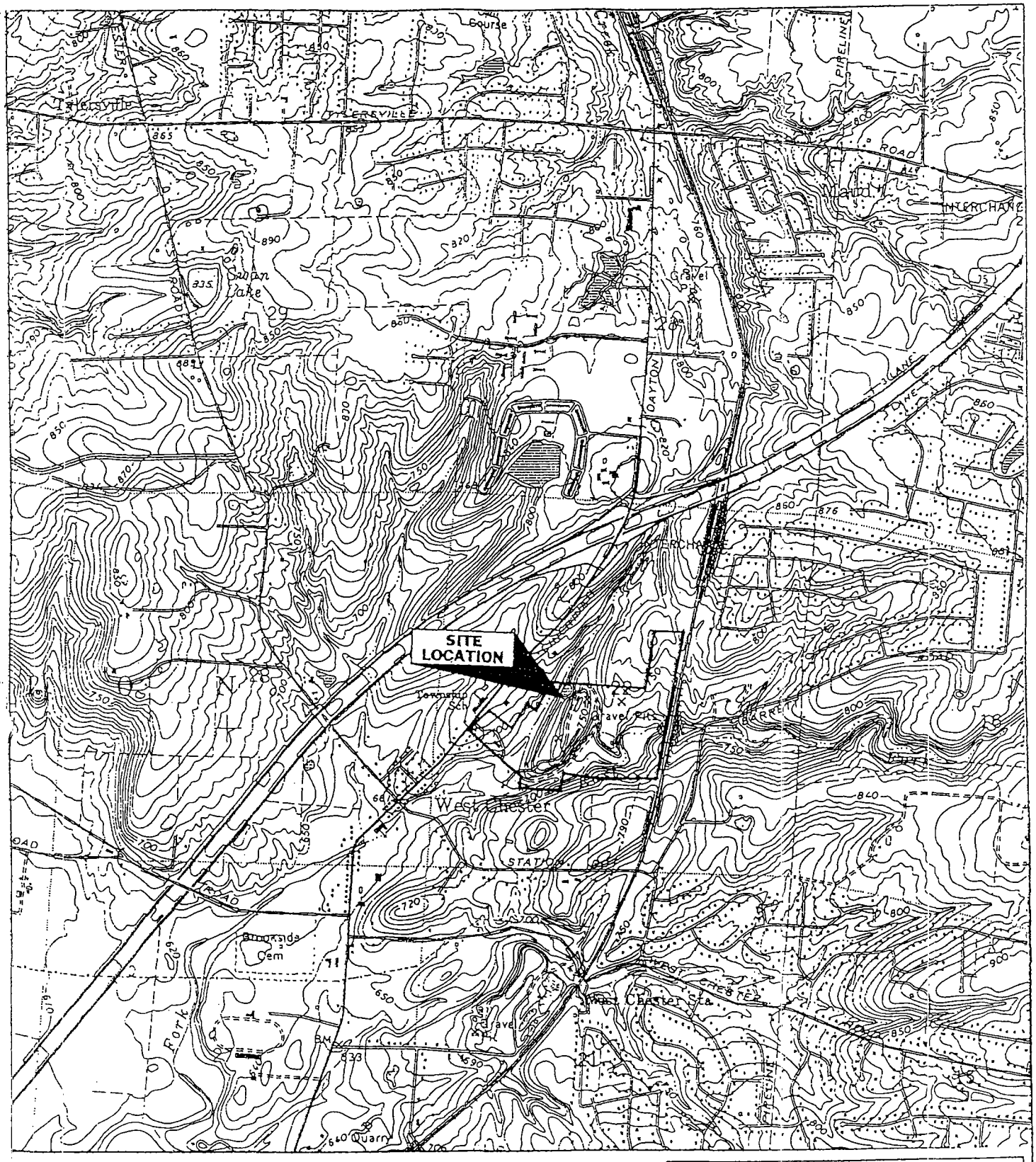

Base taken from USGS Glendale, Ohio
7.5' Topographic Quadrangle, photorevised 1987

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FEET

EARTH TECH

N

SKINNER LANDFILL

SITE VICINITY MAP

BUTLER COUNTY, OHIO

TABLES

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TABLE 1

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)	March 13, 2006 Depth to Water (feet from top of casing)	March 13, 2006 Groundwater Elevation (MSL-feet)
Piezometers	P-1	G	685.42	687.65	8.78	678.87
	P-2	G	688.54	690.42	13.04	677.38
	P-3R	G	691.83	693.69	25.33	668.36
	P-4	G	700.32	702.63	4.97	697.66
	P-5	G	708.20	710.65	14.05	696.60
	P-6	G	707.45	710.59	11.12	699.47
	P-7	G	719.08	721.83	Dry	Dry
	P-8	G	747.70	749.91	30.27	719.64
	P-9	G	760.68	763.90	--	--
	P-10	G	761.34	764.16	--	--
	P-11	G	760.34	762.76	--	--
	P-12	G	743.50	746.17	39.92	706.25
Groundwater Monitoring Wells	GW-06R	S	683.89	685.91	7.50	678.41
	GW-07R	S	683.46	683.06	4.58	678.48
	GW-24	G	693.32	695.21	17.65	677.56
	GW-26	G	696.61	698.28	30.55	667.73
	GW-30	G	675.63	677.62	9.79	667.83
	GW-58	S	684.03	686.53	17.17	669.36
	GW-59	S	684.35	687.38	6.14	681.24
	GW-60	S	689.12	692.38	4.87	687.51
	GW-61	S	687.38	690.86	12.93	Dry
	GW-62A	S	690.19	692.38	31.80	660.58
	GW-62B	S	690.57	693.13	11.21	681.92
	GW-63	S	698.87	702.50	7.79	694.71
	GW-64	S	700.45	703.88	11.16	692.72
	GW-65	S	703.83	706.88	15.31	691.57
	GW-66	G	686.82	689.41	5.48	683.93
Gas Probes	GP-6	G	772.18	774.65	12.17	762.48
	GP-7	G	749.83	752.65	8.28	744.37

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 (June 2005) (feet)	Water Elevation (September 2005) (feet)	Water Elevation (December 2005) (feet)	Water Elevation (March 2006) (feet)
P-9	25	737	**745.00**	-	-	-	-
P-10	30	734	**744.50**	-	-	-	-
P-11	17	745	**744.30**	737.56	734.01	-	-
P-12	35	707	**713.50**	705.67	704.74	704.98	706.25

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
First Quarter 2006

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
GW-06R	-	-	-	-
GW-07R	-	-	*Iron*	-
GW-58	-	-	*Barium, Iron,* **Mercury**	-
GW-59	-	-	-	-
GW-60	-	-	-	-
GW-61	*2-Butanone*	-	*Iron*	-
GW-62A	-	-	*	-
GW-62B	*2-Butanone*	-	*	*
GW-63	-	-	-	-
GW-64	*2-Butanone*	-	-	-
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
First Quarter 2006

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
SW-50	-	-	-	-
SW-51	-	-	-	-
SW-52	-	-	-	-
SWD-1	-	-	*Zinc*	-
SWD-2	-	-	*Zinc*	-
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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APPENDIX A – POTENTIOMETRIC SURFACE MAP

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APPENDIX B

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	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	55.3	55.3	32.4	16.4	12.5	16.4		200
Antimony	4.1	3.9	5.4	4.0 UJ	2.7 UJ	4.0	60	60
Arsenic	**26.7 J**	6.1 J	3.8	4.2	3.5	3.8	20	10
Barium	179.0	196	253	205	168	161 J	1,000	200
Beryllium	0.2	0.2	0.1	0.1	0.1	0.1	5	5
Cadmium	0.3	0.3	0.1	0.1	0.1	0.1	5	5
Calcium	193,000	186,000	199,000	172,000	194,000	203,000		5,000
Chromium	1.5	1.5	1.5	1.4	4.6	1.3	11	10
Cobalt	2.9	0.7	1.1	0.6	4.6	1.9		50
Copper	1.2	1.2	0.7	0.7	0.8	0.7	25	25
Iron	1,210	9.1	10.5	27.4	442 J	53.9	7,000	100
Lead	2.4	2.4 UJ	1.4	1.4	1.7	1.4 UJ	4.2	3
Magnesium	31,300	31,700	34,000	28,300	36,400	33,800		5,000
Manganese	363	173	224	147	662	155 J		15
Mercury	0.1	0.1 UJ	0.1	0.1	0.1 J	0.1	0.2	0.2
Nickel	2.5	1.1	0.4	1.1	2.3	0.6	96	40
Potassium	2,510 J	2,200	2,680	2,710 J	3,040	2,390 J		5,000
Selenium	4.4	4.4 R	3.5 UJ	3.5 UJ	3.0	3.5 R	8.5	5
Silver	0.9	0.9	1.1	2.9	0.6	1.1	10	10
Sodium	22,000	21,000	22,800	20,300	23,900	25,800		5,000
Thallium	8.1	6.3	4.1	4.1 UJ	5.7	4.1	40	10
Vanadium	6.7	11.5	11.9	6.6	1.6	2.5		50
Zinc	0.7	4.6	12.1	1.1	9.6	3.3	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	2,890 J	8,510	7,510 J	27,800 J	5,730	2,950		
Antimony	3.9	7.6 J	11.5	4.0 UJ	2.7 UJ	4.0 UJ		
Arsenic	34.6 J	9.0 J	5.2	64.7	8.7	15.2		
Barium	232 J	338	397	626	250	229		
Beryllium	0.2	0.5	0.2	2.6	0.4	0.1		
Cadmium	0.3	0.3	0.1	0.6	0.1	0.1		
Calcium	217,000	234,000	263,000 J	562,000	251,000	223,000		
Chromium	6.1	11.1	9.7	63.8 J	15.9	8.1		
Cobalt	6.0	11.9	12.5	48.5	12.3	5.2		
Copper	5.0	18.7 J	17.3 J	113	15.2 J	6.8 J		
Cyanide	0.5	0.5	0.6	1.0	0.6	0.6	10	10
Iron	9,100 J	20,900	21,900 J	84,300	15,800	7,810		
Lead	3.3 J	13.6 J	14.8	67.5	14.4	3.5 J		
Magnesium	42,100 J	51,800	63,000 J	194,000	61,600	41,300		
Manganese	585	1,010	1,460 J	5,230	1,340	516		
Mercury	0.1	0.1 UJ	0.1	0.1	0.3 J	0.1 UJ		
Nickel	8.1	15.5	0.4	67.5	14.6 J	6.1 J		
Potassium	3,320 J	4,210	4,080	7,920 J	4,380	3,230 J		
Selenium	6.6 J	4.4 UJ	3.5 R	3.9	3.0	3.5 R		
Silver	0.9	0.9	1.1	12.6 J	0.6	1.1		
Sodium	21,900	20,400	23,700 J	23,300	24,900	25,200 J		
Thallium	6.3	6.3 UJ	4.1 UJ	4.1 UJ	5.2	4.6		
Vanadium	16.1	29.1 J	29.9 J	75.0 J	1.6	9.5		
Zinc	20.4 J	63.2	66.6	237 J	61.0 J	22.6 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon Disulfide					0.34 J	1.0 U		1.0
Ethylbenzene	1.0 U	0.11 J	1.0 U	1.0 U	1.0 U	1.0 U	62	1.0
Toluene	1.0 U	0.74 J	1.0 U	1.0 U	1.0 U	1.0 U	1,000	1.0
Xylene (total)	1.0 U	0.19 J	1.0 U	1.0 U	1.0 U	1.0 U	10,000	1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL			
Dibenz (a,h) anthracene			0.652 J	10.0 J	10.0 J	10.0 J	10	10
Indeno (1,2,3-cd) pyrene			0.502 J	10.0 J	10.0 J	10.0 J	10	10
Di-n-butylphthalate						0.571 J	190	10
Benzo (g,h,i) perylene			1.02 J	10.0 J	10.0 J	10.0 J	10	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

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

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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	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]				Insufficient Volume	Insufficient Volume			
Aluminum	55.3	55.3	24.0	—	—	16.4		200
Antimony	3.9	3.9	6.0	—	—	4.0	60	60
Arsenic	35.8 J	5.4	3.8	—	—	5.0	20	10
Barium	46.7	94.7	111	—	—	94.0 J	1,000	200
Beryllium	0.2	0.2	0.1	—	—	0.1	5	5
Cadmium	0.3	0.3	0.1	—	—	0.1	5	5
Calcium	367,000	173,000	191,000	—	—	172,000		5,000
Chromium	1.7	2.4	32.8	—	—	1.8	11	10
Cobalt	0.6	0.6	0.6	—	—	2.3		
Copper	1.2	1.2	0.7	—	—	0.7	25	25
Iron	9.1	10.5	56.1	—	—	1,680	7,000	100
Lead	2.4	2.4 UJ	1.4	—	—	1.4 UJ	4.2	3
Magnesium	52,300	26,700	29,400	—	—	25,100		5,000
Manganese	49.8	398	908	—	—	600 J		15
Mercury	0.1	0.1 UJ	0.1	—	—	0.1	0.2	0.2
Nickel	1.8	1.5	0.4	—	—	1.4	96	40
Potassium	5,000 J	2,380	2,400	—	—	1,780 J		5,000
Selenium	8.5	4.4 R	3.5 UJ	—	—	3.5 R	8.5	5
Silver	0.9	0.9	1.1	—	—	1.1	10	10
Sodium	48,200	24,900	26,600	—	—	26,700		5,000
Thallium	6.3 U	6.3	4.1	—	—	6.3	40	10
Vanadium	8.5 B	9.1	11.0	—	—	1.8		50
Zinc	0.7 U	11.3	14.3	—	—	1.1	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	7,040 J	9,090	23,300 J	—	—	4,030		
Antimony	4.0	10.7 J	18.6	—	—	4.0 UJ		
Arsenic	45.1 J	5.4	7.6	—	—	21.8		
Barium	319 J	405	1,120	—	—	185		
Beryllium	0.2	0.4	1.1	—	—	0.1		
Cadmium	0.3	0.3	0.1	—	—	0.1		
Calcium	392,000	222,000	293,000 J	—	—	197,000		
Chromium	12.8	12.5	44.2	—	—	8.7		
Cobalt	5.3	6.4	17.8	—	—	4.4		
Copper	15.2	23.1 J	50.8 J	—	—	9.4 J		
Cyanide	0.5	0.6	0.6	—	—	2.2	10.0	10.0
Iron	17,600 J	22,000	63,600 J	—	—	9,710 J		
Lead	6.7 J	7.1 J	29.5	—	—	3.4		
Magnesium	66,900 J	42,300	73,000 J	—	—	34,600		
Manganese	570	913	2,340 J	—	—	761		
Mercury	0.1	0.1 UJ	0.1	—	—	0.1 UJ		
Nickel	14.6	16.0	28.1	—	—	7.6 J		
Potassium	6,590 J	4,300	5,940	—	—	2,770 J		
Selenium	12.0 J	4.4 UJ	3.5 R	—	—	3.5 R		
Silver	0.9	0.9	1.1	—	—	1.1		
Sodium	48,500	26,200	27,500 J	—	—	27,100 J		
Thallium	7.7	6.3 UJ	4.1 UJ	—	—	5.2		
Vanadium	26.8	23.5 J	47.0 J	—	—	9.7		
Zinc	50.3 J	59.4	146	—	—	24.7 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon Disulfide					2.5	1.0 U		1.0
Toluene		0.69 J	1.0 J	1.0 J	1.0 U	1.0 U	1,000	1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	—	—	BRL		
Diethylphthalate			0.6 J			10.0 U		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 (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-58

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	55.3	55.3	16.4	16.4	12.5	16.4		200
Antimony	3.9	3.9	4.0	4.0 UJ	2.7 UJ	4.0	60	60
Arsenic	17.7	5.4 J	3.8	3.8	3.5	3.8	20	10
Barium	162.0	157	151.0	161	175	213 J	1,000	200
Beryllium	0.2	0.2	0.1	0.1	0.1	0.1	5	5
Cadmium	0.3	0.3	0.1	0.1	0.1	0.1	5	5
Calcium	96,200	108,000	114,000	103,000	124,000	130,000		5,000
Chromium	1.8	1.5	0.8	0.8	4.1	0.8	11	10
Cobalt	0.6	1.1	0.6	0.6	0.8	6.0		50
Copper	1.2	1.2	0.7	0.7	0.8	0.7	25	25
Iron	1,290	49.4	10.5	80.3	2.9 J	164	7,000	100
Lead	2.4 J	2.4 UJ	1.4	1.4	1.7	1.4 UJ	4.2	3
Magnesium	31,900	33,200	34,500	32,000	35,400	44,900		5,000
Manganese	398	265	84.7	52.6	13.3	232		15
Mercury	0.1	0.1 UJ	0.1	0.1	0.1 UJ	0.3	0.2	0.2
Nickel	1.1	1.2	0.4	0.4	0.6	1.9	96	40
Potassium	4,820	4,270	4,110	4,540 J	4,620	6,010 J		5,000
Selenium	5.3 J	4.4 R	3.5 UJ	3.5 UJ	3.0	3.5 R	8.5	5
Silver	0.9	0.9	1.1	2.6	0.6	1.1	10	10
Sodium	32,900	29,700	30,600	30,800	29,800	44,700		5,000
Thallium	6.3 J	6.3	4.1	4.1 UJ	8.2	4.1	40	10
Vanadium	7.4	11.1	11.7	5.9	1.6	0.7		50
Zinc	0.7	2.6	10.1	1.1	10.4	10.2	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	23,400	31,900	17,600 J	20,700 J	25,600	15,400		
Antimony	3.9	21.7 J	14.6	4.0 UJ	2.7 UJ	4.0 UJ		
Arsenic	60.7 J	19.6 J	6.8	29.1	20.2	61.6 J		
Barium	486	474	364	349	430	349		
Beryllium	1.4	1.8	0.8	1.2	1.7	0.8		
Cadmium	0.3	0.3	0.1	0.1	0.1	0.7		
Calcium	441,000	345,000	277,000 J	287,000	353,000	264,000		
Chromium	54.2 J	64.0	34.4	57.5 J	62.7	38.3		
Cobalt	27.4	32.2	16.4	17.6	27.1	14.5		
Copper	56.0	77.6 J	41.5 J	61.7	60.3 J	32.3 J		
Cyanide	0.5	0.5	0.6	0.8	0.6	1.0	10	10
Iron	61,800	80,500	45,400 J	49,700	68,200	41,700		
Lead	39.5 UJ	45.3 J	20.7	25.5	41.4	21.1		
Magnesium	88,600	86,600	73,800 J	72,300	87,600	72,300		
Manganese	2,430	1,970	1,300 J	1,250	1,820	1,140 J		
Mercury	0.1	0.1 UJ	0.1	0.1	0.7 J	0.1 UJ		
Nickel	63.0	73.4	17.8	55.6 J	63.2 J	37.3 J		
Potassium	11,800	11,500	8,380	10,900	10,100	9,500 J		
Selenium	5.1 J	4.4 UJ	3.5 R	3.5 UJ	3.0	3.5 R		
Silver	0.9	0.9	1.1	9.3	2.9	4.3 J		
Sodium	37,200	31,500	34,700 J	31,600	30,100	43,000 J		
Thallium	6.5	6.3 J	4.1 UJ	4.1 UJ	5.6	8.2 J		
Vanadium	63.2	59.4 J	38.0 J	45.8 J	11.5	30.3		
Zinc	178	224	128	147 J	195	123 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Benzene	0.061 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5	1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate						0.936 U	190	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) J = 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	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	55.3	55.3	16.4	16.4	12.5	16.4		200
Antimony	5.7	6.9	7.7	4.0 UJ	2.7 UJ	4.0	60	60
Arsenic	28.5 J	5.4	3.8	3.8	3.5	3.8	20	10
Barium	23.0	21.1	24.6	50.0	51.6	42.1 J	1,000	200
Beryllium	0.2	0.2	0.1	0.1	0.1	0.1	5	5
Cadmium	0.3	0.3	0.1	0.1	0.1	0.2	5	5
Calcium	217,000	236,000	240,000	173,000	179,000	192,000		5,000
Chromium	2.4	1.5	0.8	0.8	4.0	0.8	11	10
Cobalt	0.7	0.6	0.6	0.6	0.6	0.6		50
Copper	1.2	1.2	0.7	0.8	0.8	0.7	25	25
Iron	9.1	9.1	10.5	10.5	2.9	10.5	7,000	100
Lead	2.4	2.4 UJ	1.4	1.4	1.7	1.4 UJ	4.2	3
Magnesium	44,200	53,900	54,600	32,800	32,400	34,100		5,000
Manganese	1.3	0.6	0.1	0.2	24.9	26.7 J		15
Mercury	0.1	0.1 UJ	0.1	0.1	0.1 J	0.1	0.2	0.2
Nickel	1.2	1.1	0.4	0.4	0.4	1.1	96	40
Potassium	32,500 J	19,200	23,200	27,500 J	18,700	19,600 J		5,000
Selenium	4.4	4.4 R	3.5 UJ	3.5 UJ	3.0	3.5 R	8.5	5
Silver	0.9	0.9	1.1	3.2	0.6	1.1	10	10
Sodium	134,000	135,000	151,000	96,600	74,900	72,000		5,000
Thallium	6.3	6.3	4.1	4.1	8.4	4.1	40	10
Vanadium	8.6	16.0	16.0	6.5	1.6	0.6		50
Zinc	0.7	13.3	12.5	1.1	13.4	2.7	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	1,040 J	7,180	2,390 J	1,410 J	3,420	1,060		
Antimony	4.2	13.7 J	7.2	4.0 UJ	2.7 UJ	60.0 UJ		
Arsenic	28.2 J	5.4	4.1	8.8	6.4	14.3 J		
Barium	44.6 J	328	85.2	72.5	83.2	54.2		
Beryllium	0.2	0.3	0.1	0.1	0.3	5.0		
Cadmium	0.3	1.5	0.1	0.1	0.1	0.4		
Calcium	211,000	275,000	238,000 J	177,000	201,000	200,000		
Chromium	6.8	28.7	30.7	5.5 J	14.2	10.0		
Cobalt	2.1	13.1	4.7	1.5	4.2	1.4		
Copper	2.7	18.4 J	5.0 J	6.6	9.3 J	3.4 J		
Cyanide	0.5	0.6	0.6	0.6	0.6	2.5	10	10
Iron	4,260 J	23,600	10,500 J	4,990	11,500	3,710		
Lead	2.4	8.6 J	2.4	2.6	9.4	3.0 UJ		
Magnesium	40,400	61,100	56,000 J	34,300	36,400	37,100		
Manganese	295	1,680	566 J	236	543	280 J		
Mercury	0.1	0.1 UJ	0.1	0.1	0.2 J	0.2 UJ		
Nickel	6.6	32.7	0.4	4.9 J	12.0 J	5.3 J		
Potassium	33,700 J	22,000	22,500	25,900	18,800	19,600 J		
Selenium	4.4	4.4 UJ	3.5 R	3.5 UJ	3.0	5.0 R		
Silver	0.9	0.9	1.1	2.7	0.6	10.0		
Sodium	127,000	143,000	148,000 J	93,900	75,700	79,100 J		
Thallium	6.3	6.3 UJ	4.1 UJ	4.1 UJ	6.3	4.3 J		
Vanadium	10.6	25.1 J	19.5 J	9.9 J	1.6	1.7		
Zinc	15.0 J	68.0	36.0	13.1 J	50.1 J	11.3 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
1,1-Dichloroethane	0.18 J	1.0 U	1.0 U	0.13 J	1.0 U	1.0 U		1.0
Carbon Disulfide				3.5	0.15 J	1.0 U		1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

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

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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	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]				Insufficient Volume	Insufficient Volume			
Aluminum	55.3 J	55.3	50.4	—	—	16.4		200
Antimony	7.4	11.0	4.0	—	—	4.0	60	60
Arsenic	35.4 J	5.4	4.5	—	—	5.9 J	20	10
Barium	85.2 J	48.7	18.7	—	—	58.9 J	1,000	200
Beryllium	0.2	0.2	0.1	—	—	0.1	5	5
Cadmium	0.3	0.3	0.1	—	—	0.1	5	5
Calcium	298,000	299,000	137,000	—	—	210,000		5,000
Chromium	3.0	1.5	5.1	—	—	0.8	11	10
Cobalt	0.6	0.6	0.6	—	—	0.6		50
Copper	1.2	1.2	0.7	—	—	0.7	25	25
Iron	9.1 J	58.5	10.5	—	—	10.5	7,000	100
Lead	2.4 J	2.4 UJ	1.4	—	—	1.4 UJ	4.2	3
Magnesium	50,800 J	61,600	30,100	—	—	44,200		5,000
Manganese	1.0	1.7	0.9	—	—	0.1		15
Mercury	0.1	0.1 UJ	0.1	—	—	0.1	0.2	0.2
Nickel	1.2	1.1	0.4	—	—	0.8	96	40
Potassium	13,100 J	8,350	6,810	—	—	7,950 J		5,000
Selenium	6.8 J	4.4 R	3.5 UJ	—	—	3.5 R	8.5	5
Silver	0.9	0.9	1.1	—	—	1.1	10	10
Sodium	89,800	74,800	20,300	—	—	29,900		5,000
Thallium	6.3	6.3	4.1	—	—	4.1	40	10
Vanadium	9.9	16.7	11.3	—	—	0.6		50
Zinc	0.7 J	7.0	9.9	—	—	1.1	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	23,700	18,300	74,200 J	—	—	16,700		
Antimony	3.9	5.3 J	36.7	—	—	4.0 UJ		
Arsenic	49.9 J	5.4	3.8	—	—	55.6 J		
Barium	159	111	181	—	—	117		
Beryllium	1.3	1.0	4.3	—	—	0.9		
Cadmium	0.3	0.3	0.1	—	—	0.6		
Calcium	337,000	342,000	568,000 J	—	—	281,000		
Chromium	44.0	33.4	106	—	—	33.0		
Cobalt	25.3	19.2	77.6	—	—	14.7		
Copper	25.4	25.3 J	83.7 J	—	—	21.7 J		
Cyanide	0.5	—	—	—	—	2.5	10	10
Iron	58,100	42,400	160,000 J	—	—	38,500		
Lead	35.0	20.6 J	78.7	—	—	16.7 J		
Magnesium	62,200 J	73,500.0	86,700 J	—	—	58,900		
Manganese	1,880	1,960.0	4,340 J	—	—	1,150 J		
Mercury	0.1	0.1 UJ	0.2	—	—	0.1 UJ		
Nickel	50.1	34.8	105	—	—	32.7 J		
Potassium	17,600 J	12,600	19,100	—	—	11,900 J		
Selenium	9.9	4.4 UJ	3.5 R	—	—	3.5 R		
Silver	0.9	0.9	1.1	—	—	3.1 J		
Sodium	89,000	78,600	19,500 J	—	—	32,000 J		
Thallium	6.3	6.3 UJ	4.1 UJ	—	—	13.1 J		
Vanadium	55.0	39.8 J	103 J	—	—	30.1		
Zinc	140	116	391	—	—	88.3 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	—	BRL	BRL		
Benzene		1.0 J	0.083 J		1.0 U	1.0 U	5	1.0
Carbon disulfide	0.53 J	1.0 U	1.0 U		0.14 J	1.0 U		1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	—	—	BRL		
N-Nitrosodiphenylamine	0.954 U	11.6 U	10.6 U			10.0 U		10
Di-n-butylphthalate						1.04 J	190	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 (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-61

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]					Well is Dry			
Aluminum	55.3	55.3	16.4	16.4	—	16.4		200
Antimony	7.5	5.7	7.6	4.0 UJ	—	4.0	60	60
Arsenic	31.2 J	12.9 J	3.8	3.8	—	3.8	20	10
Barium	65.6	35.2	46.3	70.7	—	0.2	1,000	200
Beryllium	0.2	0.2	0.1	0.1	—	0.1	5	5
Cadmium	0.3	0.3	0.1	0.1	—	0.1	5	5
Calcium	216,000	183,000	211,000	228,000	—	335		5,000
Chromium	1.9	1.5	0.8	14.4	—	0.8	11	10
Cobalt	1.6	0.9	1.4	0.6	—	0.7		50
Copper	1.2	1.2	0.7	2.6	—	0.7	25	25
Iron	1,310	32.1	122	169	—	159	5,000	100
Lead	2.4	2.4 UJ	1.4	1.4	—	1.4 UJ	4.2	3
Magnesium	41,500	33,500	45,800	39,800	—	63,100		5,000
Manganese	564	713	953	217	—	0.3 J		15
Mercury	0.1	0.1 UJ	0.1	0.1	—	0.1	0.2	0.2
Nickel	3.6	2.0	0.4	9.2	—	0.4	96	40
Potassium	8,360 J	6,540	7,010	10,400 J	—	54.2		5,000
Selenium	4.5	4.4 R	3.5 UJ	3.5 UJ	—	3.5 R	8.5	5
Silver	0.9	0.9	1.1	3.2	—	1.1	10	10
Sodium	56,600	24,800	35,400	34,300	—	46.3		5,000
Thallium	6.3	6.3	4.1	4.1 UJ	—	4.1	40	10
Vanadium	8.8	9.3	12.9	6.2	—	0.6		50
Zinc	0.7	7.0	13.7	1.1	—	1.1	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	6,330 J	4,610	5,930 J	602 J	—	1,780		
Antimony	4.3	6.2 J	10.4	4.0 UJ	—	4.0 UJ		
Arsenic	40.5 J	7.6 J	8.8	7.5	—	14.3 J		
Barium	121 J	79.7	101.0	75.7	—	70.1		
Beryllium	0.2	0.2	0.2	0.1	—	0.1		
Cadmium	0.3	0.3	0.1	0.1	—	0.5		
Calcium	237,000	222,000	233,000 J	230,000	—	347,000		
Chromium	12.3	8.5	9.1	1.2 J	—	1.9		
Cobalt	5.8	4.7	6.4	1.1	—	1.9		
Copper	8.0	9.5 J	11.6 J	5.0	—	4.6 J		
Cyanide	0.5	0.5	0.6	0.6	—	1.6	10	10
Iron	16,100 J	13,500	18,200 J	2,070	—	6,770		
Lead	4.7 J	2.4 UJ	8.3	1.4	—	1.4 UJ		
Magnesium	45,600 J	44,500	51,700 J	39,800	—	65,900		
Manganese	754	923	1,110 J	224	—	317 J		
Mercury	0.1	0.1 UJ	0.1	0.1	—	0.1 UJ		
Nickel	14.8	10.9	0.4	4.7 J	—	8.0 J		
Potassium	10,400 J	8,380	8,270	10,600	—	9,210 J		
Selenium	5.2 J	4.4 UJ	3.5 R	3.5 UJ	—	3.5 R		
Silver	0.9	0.9	1.1	2.6	—	1.1		
Sodium	57,400	27,800	33,500 J	33,800	—	41,300		
Thallium	6.3	6.3 UJ	4.1 UJ	4.1 UJ	—	6.4 J		
Vanadium	21.7	18.2 J	21.8 J	8.5 J	—	4.4		
Zinc	39.5 J	37.8	54.3	14.6 J	—	21.8 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	—	BRL		
2-Butanone						2.2 J	7.1	1.0
Carbon disulfide	1.0 U	1.0 U	1.0 U	1.7		1.0 U		1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	—	BRL		
Bis(2-Chloroethyl)ether	*10.0 U*	*10.4 U*	*0.535 J*	*10.0 J*		*10.0 U*	13.6	10
Bis (2-ethlyhexyl) phthalate	10.0 U	10.4 U	10.0 U	10.0 U		10.0 U	49	10
Di-n-butylphthalate						0.866 J	190	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	—	BRL		
Dieldrin				0.024 J		0.100 U		
Heptachlor Epoxide				0.028 J		0.050 U		

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.

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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	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]						Insufficient Volume		
Aluminum	55.3	1,180	36.6	16.4	22.3	—		200
Antimony	5.4	5.5	6.7	4.0	2.7 UJ	—	60	60
Arsenic	16.5 J	8.1 J	3.8	3.8 UJ	3.5	—	20	10
Barium	68.5	125	112	57.4	104	—	1,000	200
Beryllium	0.2	0.2	0.1	0.1	0.1	—	5	5
Cadmium	0.3	0.3	0.1	0.1	0.1	—	5	5
Calcium	88,000	133,000	133,000	92,600	133,000	—		5,000
Chromium	3.3	4.3	0.8	0.8	6.0	—	11	10
Cobalt	0.6	1.2	0.6	0.6	0.4	—		50
Copper	1.2	1.4	0.7	0.7	0.8	—	25	25
Iron	10.2	2,870	10.5	10.5	7.3 J	—	7,000	100
Lead	2.4	2.4 UJ	1.4	1.4	1.7	—	4.2	3
Magnesium	32,700	51,300	55,900	25,700	48,300	—		5,000
Manganese	9.7	239	65.0	11.9	32.3	—		15
Mercury	0.1	0.1 UJ	0.1	0.1	0.1 UJ	—	0.2	0.2
Nickel	1.1	5.1	0.4	0.5	1.1	—	96	40
Potassium	6,680 J	9,340	8,910	3,800 J	8,300	—		5,000
Selenium	4.4	4.4 R	3.5 UJ	3.5 UJ	3.0	—	8.5	5
Silver	0.9	0.9	1.1	1.4	0.6	—	10	10
Sodium	77,000	111,000	126,000	56,700	110,000	—		5,000
Thallium	6.3	6.3	4.1	4.1	5.4	—	40	10
Vanadium	8.2	15.2	16.0	5.6	1.6	—		50
Zinc	5.2	15.2	5.5	1.1	11.1	—	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	12,400 J	44,600	19,800 J	28,300	10,900	23,900		
Antimony	3.9	27.5 J	15.5	4.0	2.7 UJ	4.0 UJ		
Arsenic	37.6 J	5.4	4.5	31.1 J	6.9	80.5 J		
Barium	363 J	867	464	457	269	445		
Beryllium	0.5	2.2	0.9	1.8	0.7	1.2		
Cadmium	0.3	9.8	0.1	0.3	0.1	0.8		
Calcium	239,000	886,000	274,000 J	414,000	247,000	424,000		
Chromium	33.9	73.4	42.5	66.3	30.8	55.0		
Cobalt	13.9	51.5	20.5	29.1	11.4	22.8		
Copper	25.1	86.3 J	40.8 J	81.9	22.9 J	50.0 J		
Cyanide	0.5	—	0.6	0.7	0.6	—	10.0	10.0
Iron	31,900 J	99,000	48,000 J	64,200	26,900	59,200		
Lead	23.9 J	62 J	32.3	48.1	21.1	39.7 J		
Magnesium	68,800 J	107,000	79,000 J	107,000	71,000	104,000		
Manganese	1,030	5,270	1,430 J	2,210	896	2,130 J		
Mercury	0.1	0.1 UJ	0.1	0.1	0.3 J	0.1 J		
Nickel	35.1	101	15.8	66.5	27.5 J	59.3 J		
Potassium	13,800 J	18,700	13,200	17,500	11,000	15,000 J		
Selenium	8.1 J	4.4 UJ	3.5 R	3.5 R	3.0	3.5 R		
Silver	0.9	0.9	1.1	9.8	0.6	6.2 J		
Sodium	118,000	123,000	122,000 J	119,000	116,000	134,000 J		
Thallium	6.3	6.3 UJ	4.1 UJ	4.1	5.8	9.9 J		
Vanadium	37.1	72.9 J	42.8 J	56.5	1.6	45.2		
Zinc	97.8 J	324	150.0	219	88.9 J	171 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon Disulfide					1.1	1.0 U		1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate						0.726 J	190	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

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

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

	Sampling Event (All Results Expressed in Units of µg/l)						
	Quarterly Results						
Compound	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Insufficient Volume	Well is Dry	Well is Dry	Well is Dry	Insufficient Volume		
Inorganics - Metals and Cyanide (Total)	—	—	—	—	—		
Volatile Organic Compounds (VOCs)	BRL	—	—	—	BRL		
2-Butanone					4.4 J	7.1	1.0
1,1-Dichloroethane	0.26 J				1.0 J		1.0
Semi-Volatile Organic Compounds (SVOCs)	—	—	—	—	BRL		
Di-n-butylphthalate					0.898 J	190	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	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	55.3	55.3	31.7	322	14.9	16.4		200
Antimony	6.2	7.8	6.4	4.0	2.7 UJ	4.0	60	60
Arsenic	30.4 J	14.8 J	3.8	3.8 UJ	3.5	7.5 J	20	10
Barium	41.3	31.7	31.0	117	71.7	33.8	1,000	200
Beryllium	0.2	0.2	0.1	0.1	0.0	0.1	5	5
Cadmium	0.3	0.3	0.1	0.1	0.1	0.5	5	5
Calcium	252,000	286,000	245,000	141,000	291,000	279,000		5,000
Chromium	3.2	1.5	0.8	0.8	7.7	0.8	11	10
Cobalt	2.6	2.4	2.1	0.6	2.8	1.6		50
Copper	1.2	1.2	0.7	1.5	0.8	0.7	25	25
Iron	1,220	655	1,840	383	583 J	10.5	7,000	100
Lead	2.4	2.4 UJ	1.4	1.4	1.7	1.4 UJ	4.2	3
Magnesium	57,900	69,600	56,800	54,200	65,900	64,300		5,000
Manganese	1,970	1,530	1,980	120	2,290	481 J		15
Mercury	0.1	0.1 UJ	0.1	0.1	0.1 J	0.1	0.2	0.2
Nickel	3.8	1.6	0.4	1.7	3.8	3.2	96	40
Potassium	8,450 J	5,920	7,300	10,600 J	9,120	5,720 J		5,000
Selenium	6.8	4.4	3.5 J	3.5 UJ	3.0	3.5 R	8.5	5
Silver	0.9	0.9	1.1	2.4	0.6	1.1	10	10
Sodium	50,700	44,700	66,300	120,000	68,000	38,600		5,000
Thallium	6.3	6.3	4.1	4.1	7.7	4.1	40	10
Vanadium	10.9	16.5	14.7	6.8	1.6	0.9		50
Zinc	0.7	8.3	10.2	36.6	12.7	1.1	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	30,700 J	62,600	99,900 J	39,100	28,500	16,300		
Antimony	3.9	30.1 J	53.5	4.0	2.7 J	4.0 UJ		
Arsenic	74.0 J	5.4	3.8	40.9 J	14.9	56.3 J		
Barium	244 J	393	617	315	238	117		
Beryllium	1.7	3.5	5.3	3.0	1.8	1.1		
Cadmium	0.3	0.3	0.1	0.5	0.1	1.7		
Calcium	752,000	702,000	922,000 J	737,000	431,000	335,000		
Chromium	41.9	67.9	120	66.4	46.1	25.4		
Cobalt	38.6	60.7	99.3	43.8	29.4	14.2		
Copper	43.0	124 J	187 J	94.9	51.8 J	110 J		
Cyanide	0.5	0.5 U	0.6	0.8	0.6	1.5	10	10
Iron	69,800 J	141,000	223,000 J	88,300	63,600	37,000		
Lead	46.6 J	85.6 J	140	46.8	42.9	28.1 J		
Magnesium	106,000 J	157,000	184,000 J	118,000	102,000	81,600		
Manganese	6,160	5,660	8,490 J	6,100	3,820	1,590		
Mercury	0.1	0.1 J	0.2	0.1	1.1 J	0.1 UJ		
Nickel	68.7	119	171	85.4	60.1 J	35.4 J		
Potassium	16,100 J	15,200	22,000	19,000	13,500	8,690 J		
Selenium	12.3 J	17.2 J	3.5 R	3.5 R	3.0	3.5 R		
Silver	0.9	0.9	1.1	12.4	2.3	1.1		
Sodium	53,100	45,800	71,100 J	77,700	63,500	39,000 J		
Thallium	6.3	6.3 UJ	4.1 UJ	4.1	5.2	9.8		
Vanadium	74.1	90.7 J	1.0 J	72.7	11.4	27.8		
Zinc	199 J	403	637	233	188 J	311 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Benzene	1.0 U	1.0 U	0.13 J	1.0 U	1.0 J	1.0 U	5	1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate	10.0 U	10.0 U	10.0 U	12.2 UJ	10.0 U	10.0 U	190	10
Butylbenzylphthalate	10.0 U	0.771 J	1.07 J	12.2 UJ	10.0 U	10.0 U	10	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		
Endosulfan sulfate						0.00856 UJ		

Notes:

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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-64

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	55.3	55.3	23.4	16.4	20.8	16.4		200
Antimony	5.9	3.9	5.8	4.0	2.7 UJ	4.0	60	60
Arsenic	23.6 J	5.4	3.8	3.8 UJ	3.5	5.8 J	20	10
Barium	28.3	29.6	32.1	64.6	41.5	39.4 J	1,000	200
Beryllium	0.2	0.2	0.1	0.1	0.1	0.1	5	5
Cadmium	0.3	0.3	0.1	0.1	0.1	0.1	5	5
Calcium	173,000	182,000	181,000	234,000	173,000	207,000		5,000
Chromium	2.6	1.5	0.8	0.8	6.6	0.8	11	10
Cobalt	1.1	0.6	0.6	2.0	1.0	0.7		50
Copper	1.2	1.2	0.7	0.7	0.8	0.7	25	25
Iron	9.1	9.1	10.5	128	2.9	10.5	7,000	100
Lead	2.4	2.4 UJ	1.4	1.4	1.7	1.4 UJ	4.2	3
Magnesium	58,000	59,200	57,300	51,700	52,800	71,600		5,000
Manganese	830	863	115	1,970	469	783 J		15
Mercury	0.1	0.1 UJ	0.1	0.1	0.1 J	0.1	0.2	0.2
Nickel	9.4	5.1	0.4	3.5	4.5	9.0	96	40
Potassium	18,000 J	10,200	10,100	10,400 J	10,800	15,400 J		5,000
Selenium	4.4	4.4 R	3.5 UJ	3.5 UJ	3.0	3.5 R	8.5	5
Silver	0.9	0.9	1.1	1.7	0.6	1.1	10	10
Sodium	56,200	45,000	46,300	74,700	51,700	68,100		5,000
Thallium	6.3	6.3	4.1	4.1	9.8	4.1	40	10
Vanadium	9.6	13.4	15.8	6.2	1.6	1.2		50
Zinc	0.7	5.1	7.5	4.7	12.2	1.1	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	15,100 J	15,800	66,200 J	23,500	31,500	8,050		
Antimony	3.9	12.0 J	33.4	4.0	2.7 UJ	4.0 UJ		
Arsenic	36.4 J	5.4	3.8	16.8	9.4	34.5 J		
Barium	68.7 J	66.6	174	109	111	67.9		
Beryllium	0.8	0.8	3.7	1.4	1.9	0.3		
Cadmium	0.3	0.3	0.1	0.1	0.1	0.3		
Calcium	245,000	249,000	441,000 J	267,000	333,000	241,000		
Chromium	28.7	22.7	93.8	44.3	53.7	15.400		
Cobalt	17.2	18.3	63.9	21.0	30.2	10.9		
Copper	17.7	18.2 J	66.4 J	37.3	36.5 J	9.0 J		
Cyanide	0.5	0.5	0.6	0.7	0.6	3.5	10	10
Iron	38,600 J	38,200	150,000 J	49,900	74,100	21,300		
Lead	15.1 J	11.0 J	58.9	13.5	27.1	5.8 J		
Magnesium	74,100 J	71,100	105,000 J	71,600	79,200	77,600		
Manganese	2,530	2,550	4,290 J	2,140	2,830	2,750 J		
Mercury	0.1	0.1 UJ	0.1	0.1	0.900 J	0.1 UJ		
Nickel	42.9	36.3	102	44.6	64.800 J	28.5 J		
Potassium	21,200 J	14,500	21,000	16,100	16,000	16,400 J		
Selenium	5.1 J	4.4 UJ	3.5 R	3.5	4.1	3.5 R		
Silver	0.9	0.9	1.1	7.0	3.4	1.1		
Sodium	56,300	49,600	46,300 J	45,100	51,800	65,500 J		
Thallium	6.3	6.3 UJ	4.1 UJ	4.1	5.2	7.0 J		
Vanadium	40.8	32.3 J	89.3 J	42.4	11.0	14.5		
Zinc	83.1 J	82.4	337	112	166	41.0 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
2-Butanone						2.3 J	7.1	1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate						0.729 J	190	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

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

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

	Sampling Event (All Results Expressed in Units of µg/l)						
	Quarterly Results						
Compound	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Well is Dry	Well is Dry	Insufficient Volume	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		
Semi-Volatile Organic Compounds (SVOCs)	—	—	—	—	—		
Pesticides / PCBs	—	—	—	—	—		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U. J, or UJ
6) — = No Sample Available (Well Dry)
7) U = Not detected at the listed reporting limit.
8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
9) UJ = A value less than the CRQL but greater than the MDL.
10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
12) CRQL = Contract Required Quantitation Limit
13) Samples analyzed for Dissolved Inorganics were field filtered using a 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	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	55.3	55.3	25.2	16.4	25.1	16.4		200
Antimony	3.9	5.9	4.0	4.0	2.7	4.7	60	60
Arsenic	13.1 J	5.4	6.8	3.8 UJ	3.5	3.8 UJ	20	10
Barium	38.4	40.2	53.1	57.5	50.6	43.4	1,000	200
Beryllium	0.2	0.2	0.1	0.1	0.1	0.1	5	5
Cadmium	0.3	0.3	0.1	0.1	0.1	0.1	5	5
Calcium	10,900	93,500	89,000	90,900	110,000	99,500		5,000
Chromium	3.8 J	1.5	5.4	0.8	3.8	3.0	11	10
Cobalt	0.6	0.6	0.6	0.6	0.4	0.6		50
Copper	1.2	1.2	0.7	1.7	0.8	0.7	25	25
Iron	9.1	9.1	10.5	10.5	43.7	10.5	7,000	100
Lead	2.4 UJ	2.4 UJ	1.4 UJ	1.4	2.0	1.4 UJ	4.2	3
Magnesium	30,500	30,900	28,000	25,700	30,800	27,000		5,000
Manganese	2.8	0.9	7.4 J	3.5	0.1	4.4		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	1.1	1.1	0.4 UJ	0.4	0.4	0.4	96	40
Potassium	2,180	1,870	3,460	3,960 J	3,110	1,620		5,000
Selenium	7.9 J	4.4 R	3.5 R	3.5 UJ	4.3	3.5 UJ	8.5	5
Silver	1.0	0.9	1.1	1.1	0.6	1.1	10	10
Sodium	45,800	90,000	53,000	54,200	100,000	37,700		5,000
Thallium	6.3	6.3 UJ	4.1	4.1	7.1	4.1	40	10
Vanadium	7.8	9.5	11.5	5.1	1.6	2.6		50
Zinc	0.7	3.7	8.3	1.1	11.1	7.9	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	55.3	55.3	46.2	36.8	21.8	16.4		
Antimony	3.9	3.9	4.0	4.0	2.7	6.6		
Arsenic	18.2	5.4	7.2	3.8 UJ	3.5	3.8 UJ		
Barium	39.1	40.1	50.5	58.9	50.5	42.9		
Beryllium	0.2	0.2	0.1	0.1	0.1	0.1		
Cadmium	0.3	0.3	0.1	0.1	0.1	0.4		
Calcium	106,000	92,900	85,200	91,800	108,000	104,000		
Chromium	2.2	1.5	29.8	0.8	4.8	2.9		
Cobalt	0.6	0.6	0.6	0.6	0.4	0.6		
Copper	1.2	1.2	1.4	1.8	0.8	0.7		
Cyanide	0.5	0.6	0.6	0.6	0.6	1.5	10	10
Iron	34.2	15.0	132.0	13.3	24.3	10.5		
Lead	2.4 UJ	2.4 UJ	1.4 UJ	1.4	1.7	1.4 UJ		
Magnesium	30,600	30,200	26,500	26,300	30,500	27,800		
Manganese	4.5	1.2	10.4 J	5.4	0.1	1.4		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1		
Nickel	1.1	1.1	0.4 UJ	0.4	0.6 U	0.4		
Potassium	2,150	1,760	3,310	3,950 R	2,910 J	1,600		
Selenium	4.4 UJ	4.4 R	3.5 R	3.5	3.0 UJ	3.5 UJ		
Silver	0.9	0.9	1.1	1.2	0.6	1.1		
Sodium	44,600	89,000	51,200	54,400	97,700	38,600		
Thallium	7.4 J	6.3	4.1	4.1	5.9	4.1		
Vanadium	6.3	9.7	11.8	4.3	1.6	2.1		
Zinc	0.7	1.7	7.1 J	9.8	6.0	6.6		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Acetone		2.2 R	5.0 U	5.0 U	5.0 U	5.0 R		1.0
Chloroform	1.0 U	1.0 U	0.14 J	1.0 U	1.0 U	1.0 U	79	1.0
Carbon Disulfide	0.53 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate						1.56 U	190	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

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

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

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	55.3	55.3	18.1	16.4	12.5	16.4		200
Antimony	3.9	3.9	4.0	4.0	2.7	4.0	60	60
Arsenic	12.1 J	5.4	8.7	3.8 UJ	3.5	3.8 UJ	20	10
Barium	39.1	41	48.6	0.2	49.5	42.1	1,000	200
Beryllium	0.2	0.2	0.1	0.1	0.1	0.1	5	5
Cadmium	0.3	0.3	0.1	0.3	0.1	0.1	5	5
Calcium	110,000	95,500	94,700	53.9	10,800	101,000		5,000
Chromium	1.5 J	1.5	12.7	1.3	3.7	2.8	11	10
Cobalt	0.6	0.6	0.6	0.6	0.4	0.6		50
Copper	1.2	1.2	0.7	0.7	0.8	0.7	25	25
Iron	9.1	9.1	35.3	10.5	2.9	10.5	7,000	100
Lead	2.4 UJ	2.4 UJ	1.4 UJ	1.4	1.7	1.4 UJ	4.2	3
Magnesium	32,000	31,500	29,400	13.0	29,400	27,100		5,000
Manganese	5.6	1.3	4.8 J	0.1	0.1	2.9		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	1.1	1.1	0.4 UJ	1.2	0.4	0.4	96	40
Potassium	2,160	1,800	3,060	54.2	2,840 J	2,070		5,000
Selenium	4.4 UJ	4.4 R	3.5 R	3.5	3.0 UJ	3.5 R	8.5	5
Silver	0.9	0.9	1.1	1.1	0.6	1.1	10	10
Sodium	46,700	102,000	53,700	400	100,000	36,400		5,000
Thallium	6.3	6.3 UJ	4.1	4.1	6.5	4.1	40	10
Vanadium	7.0	9.5	13.2	0.6	1.6	2.3		50
Zinc	0.7	2.5	9.3	2.6	9.5	4.1	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	55.3	55.3	43.6	30.1	21.2	16.4		
Antimony	3.9	3.9	4.0	4.0	2.7	4.0		
Arsenic	19.4	5.4	9.1	3.8 UJ	3.5	3.8 UJ		
Barium	39.7	40.0	50.4	52.0	50.3	41.9		
Beryllium	0.2	0.2	0.1	0.1	0.1	0.1		
Cadmium	0.3	0.3	0.1	0.1	0.1	0.1		
Calcium	110,000	90,500	95,300	87,300	108,000	101,000		
Chromium	1.7	1.5	7.6	0.8	3.9	3.3		
Cobalt	0.6	0.6	0.6	0.6	0.4	0.6		
Copper	1.2	1.2	0.7	0.9	0.8	0.7		
Cyanide	0.5	0.6	0.6	0.6	8.0	0.6	10	10
Iron	39.0	28.6	27.9 U	45.0	30.2	57.4		
Lead	2.4 UJ	2.4 UJ	1.4 UJ	1.4	1.7	1.4 UJ		
Magnesium	32,500	29,800	30,600	24,600	30,400	27,300		
Manganese	6.7	2.4	5.4 J	7.4	0.1	5.5		
Mercury	0.100	0.1	0.1	0.1	0.1	0.1		
Nickel	1.100	1.1	0.4 UJ	0.4	0.4	0.4		
Potassium	2,130	1,760.0	3,080	3,610	2,840 J	1,690		
Selenium	4.6 J	4.4 R	3.5 R	3.5 R	3.0 UJ	3.5 UJ		
Silver	0.9	0.9	1.1	1.1	0.6	1.1		
Sodium	44,900	100,000	56,100	54,000	97,300	35,600		
Thallium	6.3 UJ	6.3	4.1	4.1	4.6	4.1		
Vanadium	6.8	9.2	12.9	5.1	1.6	2.0		
Zinc	0.7	2.4	4.8 J	1.1	8.4	5.8		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate						1.070 U	190	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

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

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

	Sampling Event (All Results Expressed in Units of µg/l)							
	Quarterly Results							
Compound	**December-04**	**March-05**	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]								
Aluminum	55.3	55.3	30.0	16.4	12.5	16.4		200
Antimony	3.9	3.9	4.0	4.0	2.7	4.0	60	60
Arsenic	20.1 J	10.0 J	3.8	3.8 UJ	3.5	3.8 UJ	20	10
Barium	40.4	42.2	48.2	51.4	51.2	41.1	1,000	200
Beryllium	0.2	0.2	0.1	0.1	0.1	0.1	5	5
Cadmium	0.3	0.3	0.1	0.1	0.1	0.1	5	5
Calcium	112,000	97,600	94,500	86,800	10,300	99,500		5,000
Chromium	1.6 J	1.5	0.8	0.8	3.8	3.9	11	10
Cobalt	0.6	0.6	0.6	0.6	0.4	0.6		50
Copper	1.2	1.2	0.7	1.3	0.8	0.7	25	25
Iron	9.1	9.1	10.5	10.5	2.9	10.5	7,000	100
Lead	2.4 UJ	2.4 UJ	1.4 UJ	1.4	1.7	1.4 UJ	4.2	3
Magnesium	32,100	31,500	26,100	24,900	29,800	27,100		5,000
Manganese	5.0	1.3	3.9 J	5.1	0.1	3.5		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	1.1	1.1	0.4 UJ	0.4	0.4	0.4	96	40
Potassium	2,100	1,660	3,510	3,570 J	2,720 J	1,470		5,000
Selenium	4.4 UJ	4.4 R	3.5 R	3.5 UJ	3.0 UJ	3.5 UJ	8.5	5
Silver	0.9	0.9	1.1	1.3	0.6	2.0	10	10
Sodium	49,700	88,900	54,900	53,500	95,600	35,000		5,000
Thallium	6.3	6.3 UJ	4.1	4.1	5.1	4.1	40	10
Vanadium	8.0	9.8	10.9	4.8	1.6	2.0		50
Zinc	0.7	3.6	8.9	1.1	8.3	6.1	86	20
Inorganics - Metals and Cyanide (Total)								
Aluminum	55.3	55.3	97.2	118	19.7	16.4		
Antimony	4.6	3.9	4.0	4.0	2.7	5.2		
Arsenic	20.1	9.8 J	3.9	3.8	3.5	3.8 UJ		
Barium	42.3	39.9	49.5	54.6	49.4	45.8		
Beryllium	0.2	0.2	0.1	0.1	0.1	0.1		
Cadmium	0.3	0.3	0.1	0.1	0.1	0.1		
Calcium	10,900	90,100	89,800	86,600	105,000	110,000		
Chromium	1.9	1.5	5.1	0.8	3.8	4.3		
Cobalt	0.6	0.6	0.6	0.6	0.4	0.6		
Copper	1.2	1.2	0.7	0.7	0.8	0.7		
Cyanide	0.5	0.6	0.6	0.8	0.6	2.2	10	10
Iron	55.9	24.2	38.3 U	147	34.3	46.3		
Lead	2.4 UJ	2.4 UJ	1.4 UJ	1.4	1.7	1.4 UJ		
Mangesium	31,100	28,700	25,600	23,700	29,100	29,900		
Manganese	7.3	1.5	7.6 J	22.0	1.2	6.6		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1		
Nickel	1.1	1.1	0.4 UJ	0.4	0.4	0.4		
Potassium	2,210	1,580	3,400	3,570	2,710 J	1,830		
Selenium	4.4 UJ	4.4 R	3.5 R	3.5	3.0 UJ	7.5 J		
Silver	0.9	0.9	1.1	1.5	0.6	2.3		
Sodium	50,300	85,600	52,800	53,000	96,800	39,400		
Thallium	6.3 UJ	6.3	4.1	4.1	8.4	4.1		
Vanadium	6.9	9.9	10.9	4.5	1.6	1.9		
Zinc	0.7	0.7	5.6	1.1	8.3	5.0		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Carbon Disulfide					0.62 J	1.0 R		1.0
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL		
Di-n-butylphthalate						0.739 U	190	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL		

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

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

	Sampling Event (All Results Expressed in Units of µg/l)					
	Quarterly Results					
Compound	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Location is Dry	Location is Dry	Location is Dry			
Aluminum	—	—	—	16.4		200
Antimony	—	—	—	4.0	60	60
Arsenic	—	—	—	3.8	20	10
Barium	—	—	—	24.5 J	1,000	200
Beryllium	—	—	—	0.1	5	5
Cadmium	—	—	—	0.1	5	5
Calcium	—	—	—	64,600 J		5,000
Chromium	—	—	—	0.8	11	10
Cobalt	—	—	—	0.6		50
Copper	—	—	—	0.7	25	25
Iron	—	—	—	10.5	7,000	100
Lead	—	—	—	1.4 UJ	4.2	3
Magnesium	—	—	—	10,700 J		5,000
Manganese	—	—	—	1.0		15
Mercury	—	—	—	0.1	0.2	0.2
Nickel	—	—	—	0.4	96	40
Potassium	—	—	—	4,250 J		5,000
Selenium	—	—	—	3.5 R	8.5	5
Silver	—	—	—	1.1	10	10
Sodium	—	—	—	2,260 J		5,000
Thallium	—	—	—	4.1	40	10
Vanadium	—	—	—	1.6		50
Zinc	—	—	—	34.8	86	20
Inorganics - Metals and Cyanide (Total)						
Aluminum	—	—	—	560 J		
Antimony	—	—	—	4.0		
Arsenic	—	—	—	3.8		
Barium	—	—	—	29.2 J		
Beryllium	—	—	—	0.1		
Cadmium	—	—	—	0.1		
Calcium	—	—	—	69,600		
Chromium	—	—	—	1.9		
Cobalt	—	—	—	0.6		
Copper	—	—	—	1.7		
Cyanide				1.4	10	10
Iron	—	—	—	1,050 J		
Lead	—	—	—	1.4		
Magnesium	—	—	—	11,700		
Manganese	—	—	—	24.2 J		
Mercury	—	—	—	0.1		
Nickel	—	—	—	1.0		
Potassium	—	—	—	4,680 J		
Selenium	—	—	—	3.5 R		
Silver	—	—	—	1.1		
Sodium	—	—	—	2,300 J		
Thallium	—	—	—	4.1		
Vanadium	—	—	—	3.3		
Zinc	—	—	—	49.6		
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-2

	Sampling Event (All Results Expressed in Units of µg/l)					
	Quarterly Results					
Compound	**June-05**	**September-05**	**September-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Location is Dry	Location is Dry	Location is Dry			
Aluminum	—	—	—	17.5		200
Antimony	—	—	—	4.0	60	60
Arsenic	—	—	—	3.8	20	10
Barium	—	—	—	24.3 J	1,000	200
Beryllium	—	—	—	0.1	5	5
Cadmium	—	—	—	0.1	5	5
Calcium	—	—	—	65,300 J		5,000
Chromium	—	—	—	0.8	11	10
Cobalt	—	—	—	0.7		50
Copper	—	—	—	0.7	25	25
Iron	—	—	—	10.5	7,000	100
Lead	—	—	—	1.4	4.2	3
Magnesium	—	—	—	10,200 J		5,000
Manganese	—	—	—	1.0		15
Mercury	—	—	—	0.1	0.2	0.2
Nickel	—	—	—	0.5	96	40
Potassium	—	—	—	4,250 J		5,000
Selenium	—	—	—	3.5 R	8.5	5
Silver	—	—	—	1.1	10	10
Sodium	—	—	—	2,210		5,000
Thallium	—	—	—	4.1	40	10
Vanadium	—	—	—	1.4		50
Zinc	—	—	—	34.4	86	20
Inorganics - Metals and Cyanide (Total)						
Aluminum	—	—	—	39.6 J		
Antimony	—	—	—	4.0		
Arsenic	—	—	—	3.8		
Barium	—	—	—	20.1 J		
Beryllium	—	—	—	0.1		
Cadmium	—	—	—	0.1		
Calcium	—	—	—	122,000		
Chromium	—	—	—	2.1		
Cobalt	—	—	—	0.6		
Copper	—	—	—	0.7		
Cyanide	—	—	—	0.6	10	10
Iron	—	—	—	35.6 J		
Lead	—	—	—	1.4		
Magnesium	—	—	—	33,200		
Manganese	—	—	—	1.7 J		
Mercury	—	—	—	0.1		
Nickel	—	—	—	0.6		
Potassium	—	—	—	2,270 J		
Selenium	—	—	—	3.5 R		
Silver	—	—	—	1.1		
Sodium	—	—	—	1,520 J		
Thallium	—	—	—	4.1		
Vanadium	—	—	—	3.0		
Zinc	—	—	—	1.1		
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	**June-05**	**September-05**	**December-05**	**March-06**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[13]	Location is Dry	Location is Dry				
Aluminum	—	—	12.5	16.4		200
Antimony	—	—	2.7	4	60	60
Arsenic	—	—	3.5	3.8	20	10
Barium	—	—	14.8 J	21.3 J	1,000	200
Beryllium	—	—	0.1	0.1	5	5
Cadmium	—	—	0.1	0.1	5	5
Calcium	—	—	57,300	66,700 J		5,000
Chromium	—	—	1.7	0.8	11	10
Cobalt	—	—	0.4	0.6		50
Copper	—	—	1.8	0.7	25	25
Iron	—	—	2.9	10.5	7,000	100
Lead	—	—	1.7	1.4	4.2	3
Magnesium	—	—	10,900	12,900 J		5,000
Manganese	—	—	0.5	2.9		15
Mercury	—	—	0.1	0.1	0.2	0.2
Nickel	—	—	0.4	0.5	96	40
Potassium	—	—	3,570	3,980 J		5,000
Selenium	—	—	3.0	3.5 R	8.5	5
Silver	—	—	0.6	1.1	10	10
Sodium	—	—	2,730	3,960 J		5,000
Thallium	—	—	1.4	4.1	40	10
Vanadium	—	—	1.6	1.6		50
Zinc	—	—	5.6	1.1	86	20
Inorganics - Metals and Cyanide (Total)						
Aluminum	—	—	439	3,040 J		
Antimony	—	—	2.7	4.0		
Arsenic	—	—	3.5	3.8		
Barium	—	—	16.8 J	35.4 J		
Beryllium	—	—	0.1	0.1		
Cadmium	—	—	0.1	0.1		
Calcium	—	—	56,000	68,900		
Chromium	—	—	2.5	4.3		
Cobalt	—	—	0.4	1.4		
Copper	—	—	2.0	2.8		
Cyanide	—	—	0.6	0.8	10	10
Iron	—	—	757 J	3,730 J		
Lead	—	—	1.7	1.4		
Magnesium	—	—	10,400	14000		
Manganese	—	—	22.6	81.6 J		
Mercury	—	—	0.1	0.1		
Nickel	—	—	0.4	3.3		
Potassium	—	—	3,670	4,680 J		
Selenium	—	—	3.0	3.5 R		
Silver	—	—	0.6	1.1		
Sodium	—	—	2,410	3,900 J		
Thallium	—	—	1.4	4.1		
Vanadium	—	—	1.6	6.2		
Zinc	—	—	13.4	12.1		
Volatile Organic Compounds (VOCs)	—	—	BRL	BRL		
Acetone				3.1 J		1.0
Semi-Volatile Organic Compounds (SVOCs)	—	—	BRL	BRL		
Pesticides / PCBs	—	—	BRL	BRL		
Heptachlor				0.010 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 (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 reque

APPENDIX C

LABORATORY DATA VALIDATION REPORT

EarthTech
A Tyco International Ltd. Company

APPENDIX C

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 54280

LABORATORY REPORT NUMBER 206031706

PROJECT MANAGER: Ron Rolker

Date: June 1, 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 206031706 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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) 206031706.

GCAL #	Sample Description
20603150908	SK-GW06R-1017
20603150909	SK-GW07R-1017
20603150918	SK-GW06R-1017 (DISS)
20603150919	SK-GW07R-1017 (DISS)
20603170601	SK-GW59-1017
20603170602	SK-GW60-1017
20603170603	SK-GW62A-1017
20603170604	SK-GW62B-1017
20603170605	SK-GW61-1017
20603170606	SK-GW64-1017
20603170607	SK-GW65-1017
20603170608	SK-GWEB-1017
20603170609	SK-GW63-1017
20603170610	SK-GW63MS-1017
20603170612	SK-GW63DUP-1017
20603170613	SK-GW58-1017
20603170614	SK-GW58DUPE-1017
20603170617	SK-GW59-1017 (DISS)
20603170618	SK-GW60-1017 (DISS)
20603170619	SK-GW61-1017 (DISS)
20603170620	SK-GW64-1017 (DISS)
20603170621	SK-GWEB-1017 (DISS)
20603170622	SK-GW63-1017 (DISS)
20603170623	SK-GW63MS-1017 (DISS)
20603170624	SK-GW63DUP-1017 (DISS)
20603170625	SK-GW58-1017 (DISS)
20603170626	SK-GW58DUPE-1017 (DISS)

INTRODUCTION

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

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

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

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

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

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

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

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

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

8. ICP Serial Dilution

9. System Performance

10. Documentation

11. Overall Assessment

1. HOLDING TIMES

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

2. CALIBRATION

A. Initial Calibration

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

B. Continuing Calibration

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

3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL) with the exception Lead (-3.5) and Selenium (-5.8) in CCB 6, Selenium in CCB 7 (-7.7) and Selenium (-6.0 ppb) in the PB associated with the analysis dated 4/8/06, Selenium in CCB 2 (5.3) and Selenium in CCB 4 (7.8) associated with the analysis dated 4/12/06. As per the National Functional Guidelines; if the absolute value of the CCB exceeds the CRDL, then the analysis should have been terminated. If any analyte concentration in the PB is above the CRDL, the lowest concentration of that analyte in the associated samples must be 10 times the PB concentration. Otherwise, all samples associated with that blank should have been redigested and reanalyzed. Sample results greater than the IDL but less than 5 times the amount found in any blank should be qualified as "U".

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 with the exception of Selenium (130%, 137%, 139%) associated with the analysis dated 4/12/06. As per the National Functional Guidelines, if the ICS percent recovery exceeds the upper acceptance limit then qualify results greater than the IDL with "J". Results less than the IDL are acceptable.

5. LABORATORY CONTROL SAMPLES

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

6. DUPLICATE ANALYSIS

The laboratory used samples SK-GW63-1017 (total and dissolved fractions) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes with the exception of Copper and Zinc associated with the total fraction. As per the National Functional Guidelines, if the RPD exceeds the acceptance criteria then qualify results associated with that analyte as estimated with a "J".

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-GW63-1017 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Antimony (73%), Mercury (70%), Selenium (0%), Silver (127%), and Zinc (73%) in the total fraction and Antimony (126%), Lead (74%), and Selenium (0%) in the dissolved fraction.

As per the National Functional Guidelines, if the percent recovery is less than 30% qualify results greater than the IDL with "J" and reject non-detected results. If the percent recovery is greater than 30% but less than 75% qualify results greater than the IDL with "J" and non-detected results with "UJ". If the percent recovery is greater than 125% qualify results greater than the IDL with "J".

8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes with the exception of Copper, Nickel, Potassium, Sodium, and Zinc associated with the total fraction and Barium, Manganese, and Potassium associated with the dissolved fraction. As per the National Functional Guidelines, if the serial dilution %D exceeds the acceptance criteria then qualify results associated with that analyte as estimated with a "J".

9. SYSTEM PERFORMANCE

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

10. DOCUMENTATION

GCAL qualified the total results for Iron, Lead, Magnesium, and Manganese with an "*" for being outside of the acceptance criteria for the RPD between duplicate samples. The RPD were within the acceptance criteria and therefore the results should not have been qualified with an "*" qualifier. The data validator made the correction manually.

11. OVERALL ASSESSMENT

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 4/8/06 were 131, 134%, 65%, and 75%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ".

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards analyzed on 4/8/06 were 96%, 93%, 134% and 103%. As per the National Functional Guidelines, if the CRDL is above 120% then detected results are qualified as estimated with "J".

The percent recoveries for Manganese in the Contract Required Detection Limit (CRDL) standards analyzed on 4/8/06 were 109%, 111%, 118%, and 121%. As per the National Functional Guidelines, if the CRDL is above 120% then detected results are qualified as estimated with "J".

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 4/8/06 were 86%, 112%, 119%, and 147%. As per the National Functional Guidelines, if the CRDL is above 120% then detected results are qualified as estimated with "J".

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 4/12/06 were 95, 97%, and 77%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ".

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 4/12/06 were 130, 147%, and 118%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206031706 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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 206031706.

GCAL #	Sample Description
20603150908	SK-GW06R-1017
20603150909	SK-GW07R-1017
20603170601	SK-GW59-1017
20603170602	SK-GW60-1017
20603170603	SK-GW62A-1017
20603170604	SK-GW62B-1017
20603170605	SK-GW61-1017
20603170606	SK-GW64-1017
20603170607	SK-GW65-1017
20603170608	SK-GWEB-1017
20603170609	SK-GW63-1017
20603170610	SK-GW63MS-1017
20603170611	SK-GW63MSD-1017
20603170613	SK-GW58-1017
20603170614	SK-GW58DUPE-1017

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 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 MSSV1. 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 3/20/06 and 3/22/06 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 were within the acceptance criteria specified in the method for all target compounds.

B. Continuing Calibration

Three CC's dated 3/20/06, 3/21/06, and 3/22/06 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's were within the acceptance criteria for the CC dated 3/20/06. The %D for 4-Chloroaniline associated with the CC dated 3/21/06 exceeded the acceptance criteria. The percent difference (%D) between the average RRF's and the CC Response Factors for the CC's were within the acceptance criteria for the CC dated 3/22/06. The RRF for the CC's were within the acceptance criteria specified in the method for all target compounds. As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ".

4. BLANKS

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

<u>Method Blank (MB347404)</u>

Bis-(2-ethylhexyl) phthalate (2.13 ppb) was detected in the blank extracted on 3/15/06.

Method Blank (MB348733)

Bis-(2-ethylhexyl) phthalate (2.77 ppb) was detected in the blank extracted on 3/18/06.

Method Blank (MB356761)

There were no compounds detected above the method detection limit in the method blank extracted on 3/21/06.

Equipment Blank (SK-GWEB -1017)

Bis-(2-ethylhexyl) phthalate (7.36 ppb) and Di-n-butylphthalate (1.56 ppb) were detected in the Equipment Blank collected on 3/16/06.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits.

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

Sample SK-GW63-1017 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within 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 and Retention Times (RT) were within the acceptance limits for the reported semivolatile sample with the exception of Pryene-d12 associated with MB356761.

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

There was no extraction date or preparation method listed on Form I SV-TIC. 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 206031706 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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 206031706.

GCAL #	Sample Description
20603150908	SK-GW06R-1017
20603150909	SK-GW07R-1017
20603170601	SK-GW59-1017
20603170602	SK-GW60-1017
20603170603	SK-GW62A-1017
20603170604	SK-GW62B-1017
20603170605	SK-GW61-1017
20603170606	SK-GW64-1017
20603170607	SK-GW65-1017
20603170608	SK-GWEB-1017
20603170609	SK-GW63-1017
20603170610	SK-GW63MS-1017
20603170611	SK-GW63MSD-1017
20603170613	SK-GW58-1017
20603170614	SK-GW58DUPE-1017
20603170615	SK-TB-1017

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 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 ICs dated 3/22/06 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 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone associated with the IC dated 3/22/06 (0805). The %RSD's were within the acceptance criteria specified in the method for all target analytes associated with the IC date 3/22/06 (0805) with the exception of Chloroethane and 1,2,4-Trichlorobenzene. The low point of the calibration curve for Chloroethane was dropped and the %RSD was re-calculated. The re-calculated %RSD was within the acceptance criteria therefore detected Chloroethane results up to 2 ppb were qualified as estimated with a "J". Dropping the high or low point of the calibration curve for 1,2,4-Trichlorobenzene did not allow the %RSD to drop enough to pass the acceptance criteria. As per the National Functional Guidelines if the %RSD is greater than 30% then qualify detected results or the compound with "J".

The RRF's and the average RRF for the IC were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone associated with the IC dated 3/22/06 (0610). The %RSD's were within the acceptance criteria specified in the method for all target analytes associated with the IC date 3/22/06 (0610) with the exception of 1,2,4-Trichlorobenzene. Dropping the high or low point of the calibration curve for 1,2,4-Trichlorobenzene did not allow the %RSD to drop enough to pass the acceptance criteria. As per the National Functional Guidelines if the %RSD is greater than 30% then qualify detected results for the compound with "J".

B. Continuing Calibration

Two CCs dated 3/22/06 and 3/23/06 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 for the CC dated 3/22/06 were within the acceptance criteria for all target compounds. The CC RRF's for the CC dated 3/22/06 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone.

The percent difference (%D) between the average RRF's and the CC RF's for the CC dated 3/23/06 were within the acceptance criteria for all target compounds with the exception of Acetone, 4-methyl-2-pentanone, 2-Hexanone, and 1,2,4-Trichlorobenzene. The CC RRF's for the CC dated 3/23/06 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone, 2-Butanone, 4-methyl-2-pentanone, and 2-Hexanone.

As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ".

If the CC RF is less than the acceptance criteria then qualify detected results with "J" and non-detected results with "R".

4. BLANKS

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

MB349864

There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 3/22/06 (1300).

MB350351

There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 3/23/06 (0920).

Storage Blank (VHBLK)

There were no compounds detected above the Reporting Limit (RL) in the Storage Blank analyzed on 3/23/06.

Equipment Blank (SK-GWEB-1017)

Toluene (0.47 ppb) and Total Xylene (0.34 ppb) were detected in the Equipment Blank collected on 3/16/06.

Trip Blank (SK-TB-1017)

There were no compounds detected above the Reporting Limit (RL) in the Trip Blank.

5. SYSTEM MONITORING COMPOUND RECOVERY

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

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW630-1017 was submitted for the MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. The RPD between the compounds were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

One Laboratory Control Sample was 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 206031706 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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 206031706.

GCAL #	Sample Description
20603150908	SK-GW06R-1017
20603150909	SK-GW07R-1017
20603170601	SK-GW59-1017
20603170602	SK-GW60-1017
20603170603	SK-GW62A-1017
20603170604	SK-GW62B-1017
20603170605	SK-GW61-1017
20603170606	SK-GW64-1017
20603170607	SK-GW65-1017
20603170608	SK-GWEB-1017
20603170609	SK-GW63-1017
20603170610	SK-GW63MS-1017
20603170611	SK-GW63MSD-1017
20603170613	SK-GW58-1017
20603170614	SK-GW58DUPE-1017
20603170631	SK-GW63-1017 (RE)
20603170632	SK-GW63MS-1017 (RE)
20603170633	SK-GW63MSD-1017 (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. 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

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. The laboratory failed to spike the samples prior to the initial extraction therefore samples SK-GW63-1017, SK-GW63-1017 MS, and SK-GW63-1017 MSD were re-extracted. The sample were re-extracted outside the recommended holding times. As per the National Functional Guidelines, if the recommended holding is exceeded then qualify detected results for that sample with "J" and non-detected result with "UJ".

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 verifications.

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

Three laboratory method blanks were analyzed with this SDG. The results are summarized below.

Method Blank 347557

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 3/15/06.

Method Blank 348776

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 3/19/06.

Method Blank 357100

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 3/29/06.

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 SK-GW63-1017 was submitted for MS/MSD analysis. The laboratory stated in the case narrative that the sample had not been spiked with the spiking mix prior to the extraction of the sample and therefore all of the percent recoveries were 0%. The sample was spiked, re-extracted (outside of the recommended holding time), and then analyzed. The MS/MSD percent recoveries of the re-extracted sample were within the acceptance criteria with the exception of Lindane (10%/35%). 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

GCAL used the average calibration factor when calculating the quantitative results for the pesticides when the midpoint calibration factor should have been used. The data validator re-calculated the pesticide results and manually made the corrections.

11. DOCUMENTATION

GCAL listed the date extracted for samples SK-GW06R-1017 and SK-GW07R-1017 as 3/21/06 when it should have been listed as 3/15/06. The data validator contacted GCAL and they made the corrections and re-submitted the results.

12. OVERALL ASSESSMENT

The results from the initial extraction and analysis of sample SK-GW63-1017 should be used for regulatory reporting. The results from sample the re-extracted and re-analysis of sample SK-GW63-1017 can be used for informational purposes. The results are acceptable as qualified by the data validator.

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 05/04/2006

GCAL Report 206031706

RESUBMITTED

Deliver To	Earth Tech 1455 Old Alabama Rd Suite 170 Roswell, GA 30076 770-990-1400
Attn	Mark Kromis

Customer Earth Tech

Project Skinner Landfill

CASE NARRATIVE

Client: Earth Tech **Report:** 206031706

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.

Selected pages of the report are resubmitted to correct the date extracted on the OLM04.2 Pesticide Form I. In the ILM04.1 - CLP Metals, the Form I for all samples are resubmitted to correct the data flags. In the OLM04.2 CLP Pest/PCB analysis, the Form II is resubmitted to include additional samples, as well as the Form I for samples 20603150908 (SK-GW06R-1017) and 20603150909 (SK-GW06R-1017) to correct the prep date.

Form I for the ILM04.1 - CLP Metals for samples 20603150908 (SK-GW06R-1017), 20603150909 (SK-GW07R-1017), 20603150918 (SK-GW06R-1017(DISS)), and 20603150919 (SK-GW07R-1017(DISS)) are submitted as additions on 07/17/06.

VOLATILES MASS SPECTROMETRY

In the OLC02.1 CLP Volatiles analysis, Chloroethane was above 30% D in the CCV analyzed on instrument MSV4 on 03/22/06. Acetone, 2-Butanone, 4-Methyl-2-Pentanone, 2-Hexanone and 1,2,4-Trichlorobenzene were all above 30% D in the CCV analyzed on instrument MSV4 on 03/23/06.

In the OLC02.1 CLP Volatiles analysis, 1,4-Dichlorobenzene d-4 exceeded the 40 % inclusive range for its mean response in the 1ppb calibration standard associated with analytical batch 318474. All % RSD and response factor criteria were met in the initial calibration.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 CLP Semi-volatiles analysis for prep batch 318089, the MS/MSD exhibited sporadic recovery failures. All LCS/LCSD recoveries and RPDs were acceptable. This is attributed to matrix interference.

In the OLM04.2 CLP Semi-volatiles analysis, sample 356761 had the internal standard Perylene-d12 slightly below the lower control limit.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 CLP Pest/PCB analysis, the MS and MSD were not spiked. The MS, MSD, and associated sample were re-extracted out of hold time therefore both analysis were reported.

In the OLM04.2 CLP Pest/PCB analysis for prep batch 318115, the MS/MSD exhibited sporadic recovery failures. These recoveries were within limits in the LCS and/or LCSD. This is attributed to matrix interference.

In the OLM04.2 CLP Pest/PCB analysis for prep batch 319973, the MS/MSD exhibited sporadic recovery and RPD 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 320211, the ISCAB recovery was above the upper control limit for Selenium; however, Selenium was not detected above the reporting limit for samples associated with this QC; therefore, the data is reportable.

Dissolved Mercury was greater than total Mercury in sample 20603170625 (SK-GW58-1017). This is attributed to separate aliquots of sample.

In the ILM04.1 CLP HG analysis for prep batch 318327, the MS and/or MSD recovery was outside the control limits for Mercury. The sample is affected by matrix interference.

In the ILM04.1 - CLP Metals analysis for prep batch 318322, the MS and/or MSD recovery was outside the control limits for Aluminum and Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. 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 Arsenic, Chromium, Copper, Zinc, Aluminum, Chromium, Cobalt and Nickel 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 318323, the MS and/or MSD recovery was outside the control limits for Antimony, Lead, Selenium, Silver and Zinc. 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, Iron because the sample concentration is greater than four times the spike concentration. The LCS recovery was above the upper control limit for Antimony; however, Antimony was not detected above the reporting limit for samples associated with this QC; therefore, the data is reportable. The Sample/Duplicate RPD for Cadmium, Copper, Thallium, Zinc and Vanadium is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. Copper, Nickel, Potassium, Sodium, Zinc, Barium (Dissolved), Manganese (Dissolved) and Potassium (Dissolved) 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 result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

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

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

Curtis Ekker

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206031706

THIS REPORT CONTAINS 1095 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20603150908	SK-GW06R-1017	Water	03/14/2006 13:00	03/15/2006 09:30
20603150909	SK-GW07R-1017	Water	03/14/2006 13:40	03/15/2006 09:30
20603150918	SK-GW06R-1017 (DISS)	Water	03/14/2006 13:00	03/15/2006 09:30
20603150919	SK-GW07R-1017 (DISS)	Water	03/14/2006 13:40	03/15/2006 09:30
20603170601	SK-GW59-1017	Water	03/16/2006 09:25	03/17/2006 09:43
20603170602	SK-GW60-1017	Water	03/16/2006 09:50	03/17/2006 09:43
20603170603	SK-GW62A-1017	Water	03/16/2006 10:15	03/17/2006 09:43
20603170604	SK-GW62B-1017	Water	03/16/2006 10:35	03/17/2006 09:43
20603170605	SK-GW61-1017	Water	03/16/2006 11:00	03/17/2006 09:43
20603170606	SK-GW64-1017	Water	03/16/2006 11:27	03/17/2006 09:43
20603170607	SK-GW65-1017	Water	03/16/2006 11:45	03/17/2006 09:43
20603170608	SK-GWEB-1017	Water	03/16/2006 14:05	03/17/2006 09:43
20603170609	SK-GW63-1017	Water	03/15/2006 14:35	03/17/2006 09:43
20603170610	SK-GW63MS-1017	Water	03/15/2006 14:45	03/17/2006 09:43
20603170611	SK-GW63MSD-1017	Water	03/15/2006 14:55	03/17/2006 09:43
20603170612	SK-GW63DUP-1017	Water	03/15/2006 14:55	03/17/2006 09:43
20603170613	SK-GW58-1017	Water	03/15/2006 13:25	03/17/2006 09:43
20603170614	SK-GW58DUPE-1017	Water	03/15/2006 13:35	03/17/2006 09:43
20603170615	SK-TB-1017	Water		03/17/2006 09:43
20603170616	VHBLK	Water		03/17/2006 09:43
20603170617	SK-GW59-1017(DISS)	Water	03/16/2006 09:25	03/17/2006 09:43
20603170618	SK-GW60-1017(DISS)	Water	03/16/2006 09:50	03/17/2006 09:43
20603170619	SK-GW61-1017(DISS)	Water	03/16/2006 11:00	03/17/2006 09:43
20603170620	SK-GW64-1017(DISS)	Water	03/16/2006 11:27	03/17/2006 09:43
20603170621	SK-GWEB-1017(DISS)	Water	03/16/2006 14:05	03/17/2006 09:43
20603170622	SK-GW63-1017(DISS)	Water	03/15/2006 14:35	03/17/2006 09:43
20603170623	SK-GW63MS-1017(DISS)	Water	03/15/2006 14:45	03/17/2006 09:43
20603170624	SK-GW63DUP-1017(DISS)	Water	03/15/2006 14:55	03/17/2006 09:43
20603170625	SK-GW58-1017(DISS)	Water	03/15/2006 13:25	03/17/2006 09:43
20603170626	SK-GW58DUPE-1017(DISS)	Water	03/15/2006 13:35	03/17/2006 09:43
20603170631	SK-GW63-1017 (RE)	Water	03/15/2006 14:35	03/17/2006 09:43
20603170632	SK-GW63MS-1017 (RE)	Water	03/15/2006 14:45	03/17/2006 09:43
20603170633	SK-GW63MSD-1017 (RE)	Water	03/15/2006 14:55	03/17/2006 09:43

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW06R-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150908

Level: (low/med) Lab File ID: 2060323/V0973

% Moisture: not dec. Date Collected: 03/14/06 Time: 1300

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1259

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

FORM I VOA

6/15/06 MC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW06R-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150908

Level: (low/med) Lab File ID: 2060323/V0973

% Moisture: not dec. Date Collected: 03/14/06 Time: 1300

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1259

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW06R-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603150908

Sample wt/vol: Units: Lab File ID: 2060323/V0973

Level: (low/med) Date Collected: 03/14/06 Time: 1300

% Moisture: not dec. Date Received: 03/15/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1259

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

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.

SK-GW07R-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150909

Level: (low/med) Lab File ID: 2060323/V0974

% Moisture: not dec. Date Collected: 03/14/06 Time: 1340

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1322

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

FORM I VOA

6/13/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW07R-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150909

Level: (low/med) Lab File ID: 2060323/V0974

% Moisture: not dec. Date Collected: 03/14/06 Time: 1340

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1322

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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.
SK-GW07R-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603150909

Sample wt/vol: Units: Lab File ID: 2060323/V0974

Level: (low/med) Date Collected: 03/14/06 Time: 1340

% Moisture: not dec. Date Received: 03/15/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1322

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	7446-09-5	Sulfur dioxide	1.562	10.6	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW59-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170601

Level: (low/med) Lab File ID: 2060322/V0935

% Moisture: not dec. Date Collected: 03/16/06 Time: 0925

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1405

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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	
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/19/06 [illegible]

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW59-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170601

Level: (low/med) Lab File ID: 2060322/V0935

% Moisture: not dec. Date Collected: 03/16/06 Time: 0925

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1405

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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.
SK-GW59-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170601

Sample wt/vol: Units: Lab File ID: 2060322/V0935

Level: (low/med) Date Collected: 03/16/06 Time: 0925

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1405

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Unknown	1.559	4.92	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW60-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170602

Level: (low/med) Lab File ID: 2060322/V0936

% Moisture: not dec. Date Collected: 03/16/06 Time: 0950

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1428

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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
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
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

R

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW60-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170602

Level: (low/med) Lab File ID: 2060322/V0936

% Moisture: not dec. Date Collected: 03/16/06 Time: 0950

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1428

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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.
SK-GW60-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170602

Sample wt/vol: Units: Lab File ID: 2060322/V0936

Level: (low/med) Date Collected: 03/16/06 Time: 0950

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1428

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Unknown	1.56	2.67	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62A-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170603

Level: (low/med) Lab File ID: 2060322/V0942

% Moisture: not dec. Date Collected: 03/16/06 Time: 1015

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1646

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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
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
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

R

6/16/06

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62A-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170603

Level: (low/med) Lab File ID: 2060322/V0942

% Moisture: not dec. Date Collected: 03/16/06 Time: 1015

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1646

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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.
SK-GW62A-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170603

Sample wt/vol: Units: Lab File ID: 2060322/V0942

Level: (low/med) Date Collected: 03/16/06 Time: 1015

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1646

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: *1*

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Unknown	1.554	4.9	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62B-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170604

Level: (low/med) Lab File ID: 2060322/V0943

% Moisture: not dec. Date Collected: 03/16/06 Time: 1035

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1710

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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	4.4	J	0.010	5.0	J
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62B-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170604

Level: (low/med) Lab File ID: 2060322/V0943

% Moisture: not dec. Date Collected: 03/16/06 Time: 1035

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1710

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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.
SK-GW62B-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170604

Sample wt/vol: Units: Lab File ID: 2060322/V0943

Level: (low/med) Date Collected: 03/16/06 Time: 1035

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1710

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.	115-10-6	Unknown	1.555	2.67	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW61-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170605

Level: (low/med) Lab File ID: 2060322/V0944

% Moisture: not dec. Date Collected: 03/16/06 Time: 1100

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1733

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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	2.2	J	0.010	5.0	~~R~~ J
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/19/06 M

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW61-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

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

Lab Sample ID: 20603170605

Level: (low/med)

Lab File ID: 2060322/V0944

% Moisture: not dec.

Date Collected: 03/16/06 Time: 1100

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

Date Received: 03/17/06

Instrument ID: MSV4

Date Analyzed: 03/22/06 Time: 1733

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL)

Prep Batch:

Analytical Batch: 318397

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW61-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170605

Sample wt/vol: Units: Lab File ID: 2060322/V0944

Level: (low/med) Date Collected: 03/16/06 Time: 1100

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1733

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.	115-10-6	Unknown	1.554	5.4	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW64-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170606

Level: (low/med) Lab File ID: 2060322/V0945

% Moisture: not dec. Date Collected: 03/16/06 Time: 1127

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1756

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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	2.3	J	0.010	5.0	J
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/19/06

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW64-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170606

Level: (low/med) Lab File ID: 2060322/V0945

% Moisture: not dec. Date Collected: 03/16/06 Time: 1127

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1756

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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.
SK-GW64-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170606

Sample wt/vol: Units: Lab File ID: 2060322/V0945

Level: (low/med) Date Collected: 03/16/06 Time: 1127

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1756

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.	115-10-6	Unknown	1.559	1.67	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW65-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170607

Level: (low/med) Lab File ID: 2060322/V0946

% Moisture: not dec. Date Collected: 03/16/06 Time: 1145

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1819

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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	
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/29/06

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW65-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170607

Level: (low/med) Lab File ID: 2060322/V0946

% Moisture: not dec. Date Collected: 03/16/06 Time: 1145

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1819

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW65-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170607

Sample wt/vol: Units: Lab File ID: 2060322/V0946

Level: (low/med) Date Collected: 03/16/06 Time: 1145

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1819

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Unknown	1.557	6.19	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GWEB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170608

Level: (low/med) Lab File ID: 2060322/V0947

% Moisture: not dec. Date Collected: 03/16/06 Time: 1405

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1842

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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
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
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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6/19/06

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GWEB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170608

Level: (low/med) Lab File ID: 2060322/V0947

% Moisture: not dec. Date Collected: 03/16/06 Time: 1405

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1842

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	0.47	J	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	0.34	J	0.010	1.0

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GWEB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170608

Sample wt/vol: Units: Lab File ID: 2060322/V0947

Level: (low/med) Date Collected: 03/16/06 Time: 1405

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1842

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Unknown	1.561	1.56	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170609

Level: (low/med) Lab File ID: 2060322/V0934

% Moisture: not dec. Date Collected: 03/15/06 Time: 1435

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1342

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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
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
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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6/15/06 mL

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170609

Level: (low/med) Lab File ID: 2060322/V0934

% Moisture: not dec. Date Collected: 03/15/06 Time: 1435

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1342

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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.
SK-GW63-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170609

Sample wt/vol: Units: Lab File ID: 2060322/V0934

Level: (low/med) Date Collected: 03/15/06 Time: 1435

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1342

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

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.

SK-GW58-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170613

Level: (low/med) Lab File ID: 2060322/V0940

% Moisture: not dec. Date Collected: 03/15/06 Time: 1325

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1600

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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
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
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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6/19/06 MK

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170613

Level: (low/med) Lab File ID: 2060322/V0940

% Moisture: not dec. Date Collected: 03/15/06 Time: 1325

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1600

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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.
SK-GW58-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170613

Sample wt/vol: Units: Lab File ID: 2060322/V0940

Level: (low/med) Date Collected: 03/15/06 Time: 1325

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1600

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: *1*

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Unknown	1.561	2.08	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170614

Level: (low/med) Lab File ID: 2060322/V0941

% Moisture: not dec. Date Collected: 03/15/06 Time: 1335

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1623

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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
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
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

R

6/19/06

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170614

Level: (low/med) Lab File ID: 2060322/V0941

% Moisture: not dec. Date Collected: 03/15/06 Time: 1335

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/22/06 Time: 1623

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318397

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.
SK-GW58DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170614

Sample wt/vol: Units: Lab File ID: 2060322/V0941

Level: (low/med) Date Collected: 03/15/06 Time: 1335

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/22/06 Time: 1623

Ir strument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	64-17-5	Unknown	1.555	2.45	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170615

Level: (low/med) Lab File ID: 2060323/V0965

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 0954

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
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

c/M/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603170615

Level: (low/med) Lab File ID: 2060323/V0965

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/17/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 0954

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-TB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: Water Lab Sample ID: 20603170615

Sample wt/vol: Units: Lab File ID: 2060323/V0965

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

% Moisture: not dec. Date Received: 03/17/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 0954

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 2

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Dimethyl ether	1.556	1.27	
2.	3082-75-5	Unknown	5.395	.323	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW06R-1017

Contract:

Lab File ID: 2060320/A0888

Lab Sample ID: 20603150908

Date Collected: 03/14/06 Time: 1300

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1541

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW06R-1017

Contract:

Lab File ID: 2060320/A0888

Lab Sample ID: 20603150908

Date Collected: 03/14/06 Time: 1300

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1541

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	0.5 ~~2.51~~	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	0.571	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

6/20/06

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW06R-1017

Contract:

Lab File ID: 2060320/A0888

Lab Sample ID: 20603150908

Date Collected: 03/14/06 Time: 1300

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1541

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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.: 206031706
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: SK-GW06R-1017
Contract:
Lab File ID: 2060320/A0888
Lab Sample ID: 20603150908
Date Collected: 03/14/06 Time: 1300
Date Received: 03/15/06
Date Extracted: 3/15/06
Date Analyzed: 03/20/06 Time: 1541
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SOLN
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV1

6/2-106 pm

Number TICs Found : 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	5.356	17.2	

FORM I SV-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW07R-1017

Contract:

Lab File ID: 2060320/A0889

Lab Sample ID: 20603150909

Date Collected: 03/14/06 Time: 1340

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1556

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW07R-1017

Contract:

Lab File ID: 2060320/A0889

Lab Sample ID: 20603150909

Date Collected: 03/14/06 Time: 1340

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1556

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~6.75~~	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

LL

6/20/06

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW07R-1017

Contract:

Lab File ID: 2060320/A0889

Lab Sample ID: 20603150909

Date Collected: 03/14/06 Time: 1340

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1556

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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.: 206031706
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: SK-GW07R-1017
Contract:
Lab File ID: 2060320/A0889
Lab Sample ID: 20603150909
Date Collected: 03/14/06 Time: 1340
Date Received: 03/15/06
Date Extracted: 3/15/06
Date Analyzed: 03/20/06 Time: 1556
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM 4.2 SV-A
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV1

6/20/06 MM

Number TICs Found : 3

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	10544-50-0	Sulfur, mol. (S8)	4.99	13.1	
2.	57-11-4	Octadecanoic acid	5.118	2.02	
3.		Unknown	5.371	12.5	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW59-1017

Contract:

Lab File ID: 2060320/A0891

Lab Sample ID: 20603170601

Date Collected: 03/16/06 Time: 0925

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1628

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW59-1017

Contract:

Lab File ID: 2060320/A0891

Lab Sample ID: 20603170601

Date Collected: 03/16/06 Time: 0925

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1628

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	1 C.C ~~1.51~~	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

6/22/06

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW59-1017

Contract:

Lab File ID: 2060320/A0891

Lab Sample ID: 20603170601

Date Collected: 03/16/06 Time: 0925

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1628

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031706

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: SK-GW59-1017

Contract:

Lab File ID: 2060320/A0891

Lab Sample ID: 20603170601

Date Collected: 03/16/06 Time: 0925

Date Received: 03/17/06

Date Extracted: 3/18/06

Date Analyzed: 03/20/06 Time: 1628

Dilution Factor: 1 Analyst: JAR3

Prep Method: CLM4.2 SW-A

Analytical Method: ~~SW-846 8270C~~ CLM04.2

Instrument ID: MSSV1

Number TICs Found : 1

CONCENTRATION UNITS: ug/L

6/2-06 MSK

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	57-10-3	Hexadecanoic acid	4.644	5.79	

FORM I SV-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW60-1017

Contract:

Lab File ID: 2060320/A0892

Lab Sample ID: 20603170602

Date Collected: 03/16/06 Time: 0950

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1643

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW60-1017

Contract:

Lab File ID: 2060320/A0892

Lab Sample ID: 20603170602

Date Collected: 03/16/06 Time: 0950

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1643

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.5	B	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	1.04	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

LL

6/20/06 AX

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW60-1017

Contract:

Lab File ID: 2060320/A0892

Lab Sample ID: 20603170602

Date Collected: 03/16/06 Time: 0950

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1643

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031706

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: SK-GW60-1017

Contract:

Lab File ID: 2060320/A0892

Lab Sample ID: 20603170602

Date Collected: 03/16/06 Time: 0950

Date Received: 03/17/06

Date Extracted: 3/15/06

Date Analyzed: 03/20/06 Time: 1643

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM 4.2 SVOA

Analytical Method: ~~SW-846-8270C~~ OLM04.2

Instrument ID: MSSV1

6-12-06 MC

Number TICs Found : 4

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	3.977	.913	
2.	25154-52-3	Phenol, nonyl-	4	1.36	
3.	6232-88-8	Benzoic acid, 4-(bromomethyl)-	4.11	1.13	
4.		Unknown	6.656	24.6	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW62A-1017

Contract:

Lab File ID: 2060321/A0914

Lab Sample ID: 20603170603

Date Collected: 03/16/06 Time: 1015

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/21/06 Time: 0909

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318269

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

UJ

6/2/06

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW62A-1017

Contract:

Lab File ID: 2060321/A0914

Lab Sample ID: 20603170603

Date Collected: 03/16/06 Time: 1015

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/21/06 Time: 0909

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318269

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~4.87~~	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	0.726	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

U

6/20/07

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW62A-1017

Contract:

Lab File ID: 2060321/A0914

Lab Sample ID: 20603170603

Date Collected: 03/16/06 Time: 1015

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/21/06 Time: 0909

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318269

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.: 206031706
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: SK-GW62A-1017
Contract:
Lab File ID: 2060321/A0914
Lab Sample ID: 20603170603
Date Collected: 03/16/06 Time: 1015
Date Received: 03/17/06
Date Extracted: 3/17/06
Date Analyzed: 03/21/06 Time: 0909
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM 4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV1

6/20/06

Number TICs Found : 8

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	3.974	1.78	
2.	25154-52-3	Phenol, nonyl-	3.997	3.08	
3.	104-40-5	4-Nonylphenol	4.02	2.64	
4.	25154-52-3	Phenol, nonyl-	4.054	1.37	
5.		Unknown	4.079	1.34	
6.	80-46-6	Phenol, 4-(1,1-dimethylpropyl)	4.108	1.89	
7.	25154-52-3	Phenol, nonyl-	4.13	1.65	
8.		Unknown	5.382	26.8	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW62B-1017

Contract:

Lab File ID: 2060320/A0894

Lab Sample ID: 20603170604

Date Collected: 03/16/06 Time: 1035

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1714

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW62B-1017

Contract:

Lab File ID: 2060320/A0894

Lab Sample ID: 20603170604

Date Collected: 03/16/06 Time: 1035

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1714

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	~~0.176~~ 10.0	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	0.898	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

6/20/06

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW62B-1017

Contract:

Lab File ID: 2060320/A0894

Lab Sample ID: 20603170604

Date Collected: 03/16/06 Time: 1035

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1714

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031706

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: SK-GW62B-1017

Contract:

Lab File ID: 2060320/A0894

Lab Sample ID: 20603170604

Date Collected: 03/16/06 Time: 1035

Date Received: 03/17/06

Date Extracted: 3/15/06

Date Analyzed: 03/20/06 Time: 1714

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

6/20/06 MK

Number TICs Found : 5

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1	54932-78-4	Phenol, 4-(2,2,3,3-tetramethyl	3.986	1.03	
2.	25154-52-3	Phenol, nonyl-	4.009	1.63	
3.	104-40-5	4-Nonylphenol	4.028	1.61	
4.		Unknown	5.365	5.05	
5.		Unknown	6.671	80.2	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW61-1017

Contract:

Lab File ID: 2060320/A0895

Lab Sample ID: 20603170605

Date Collected: 03/16/06 Time: 1100

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1730

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW61-1017

Contract:

Lab File ID: 2060320/A0895

Lab Sample ID: 20603170605

Date Collected: 03/16/06 Time: 1100

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1730

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~183~~	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	0.886	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

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6/2/06

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW61-1017

Contract:

Lab File ID: 2060320/A0895

Lab Sample ID: 20603170605

Date Collected: 03/16/06 Time: 1100

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1730

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031706

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: SK-GW61-1017

Contract:

Lab File ID: 2060320/A0895

Lab Sample ID: 20603170605

Date Collected: 03/16/06 Time: 1100

Date Received: 03/17/06

Date Extracted: 3/18/06

Date Analyzed: 03/20/06 Time: 1730

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVVA

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

6/2/06 MS

Number TICs Found : 4

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	25154-52-3	Phenol, nonyl-	4.002	1.51	
2.	104-40-5	4-Nonylphenol	4.025	1.45	
3.	115-28-6	Bicyclo[2.2.1]hept-5-ene-2,3-d	4.755	3.26	
4.		Unknown	6.662	53	

FORM I SV-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW64-1017

Contract:

Lab File ID: 2060320/A0896

Lab Sample ID: 20603170606

Date Collected: 03/16/06 Time: 1127

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1745

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW64-1017

Contract:

Lab File ID: 2060320/A0896

Lab Sample ID: 20603170606

Date Collected: 03/16/06 Time: 1127

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1745

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	20.0	B	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	0.729	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

6/20/06

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW64-1017

Contract:

Lab File ID: 2060320/A0896

Lab Sample ID: 20603170606

Date Collected: 03/16/06 Time: 1127

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1745

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031706

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: SK-GW64-1017

Contract:

Lab File ID: 2060320/A0896

Lab Sample ID: 20603170606

Date Collected: 03/16/06 Time: 1127

Date Received: 03/17/06

Date Extracted: 3/18/06

Date Analyzed: 03/20/06 Time: 1745

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SW3

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

6/20/06

Number TICs Found : 4

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	3.98	.555	
2.	25154-52-3	Phenol, nonyl-	4.003	.963	
3.	0-00-0	Phenol, 4-(2,2,4-trimethylpent	4.025	.927	
4.		Unknown	6.656	21.6	

FORM I SV-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GWEB-1017

Contract:

Lab File ID: 2060320/A0897

Lab Sample ID: 20603170608

Date Collected: 03/16/06 Time: 1405

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1801

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GWEB-1017

Contract:

Lab File ID: 2060320/A0897

Lab Sample ID: 20603170608

Date Collected: 03/16/06 Time: 1405

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1801

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	~~7.36~~ 10.0	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	1.56	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

6/20/06

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GWEB-1017

Contract:

Lab File ID: 2060320/A0897

Lab Sample ID: 20603170608

Date Collected: 03/16/06 Time: 1405

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1801

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031706
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: SK-GWEB-1017
Contract:
Lab File ID: 2060320/A0897
Lab Sample ID: 20603170608
Date Collected: 03/16/06 Time: 1405
Date Received: 03/17/06
Date Extracted: 3/18/06
Date Analyzed: 03/20/06 Time: 1801
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM 4.2 SUOA
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV1

Number TICs Found : 4

CONCENTRATION UNITS:ug/L

6/20/06 [illegible]

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	107-80-2	Butane, 1,3-dibromo-	3.977	1.48	
2.	25154-52-3	Phenol, nonyl-	4	2.71	
3.	80-46-6	Phenol, 4-(1,1-dimethylpropyl)	4.11	1.58	
4.		Unknown	6.659	56.5	

FORM I SV-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW63-1017

Contract:

Lab File ID: 2060322/A0939

Lab Sample ID: 20603170609

Date Collected: 03/15/06 Time: 1435

Date Received: 03/17/06

Date Extracted: 03/21/06

Date Analyzed: 03/22/06 Time: 1514

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 319903 Analytical Batch: 318402

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

UJ

6/20/06 MSC

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW63-1017

Contract:

Lab File ID: 2060322/A0939

Lab Sample ID: 20603170609

Date Collected: 03/15/06 Time: 1435

Date Received: 03/17/06

Date Extracted: 03/21/06

Date Analyzed: 03/22/06 Time: 1514

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 319903 Analytical Batch: 318402

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.~~0.711~~	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

6/26/06 MS

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW63-1017

Contract:

Lab File ID: 2060322/A0939

Lab Sample ID: 20603170609

Date Collected: 03/15/06 Time: 1435

Date Received: 03/17/06

Date Extracted: 03/21/06

Date Analyzed: 03/22/06 Time: 1514

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 319903 Analytical Batch: 318402

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.: 206031706

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: SK-GW63-1017

Contract:

Lab File ID: 2060322/A0939

Lab Sample ID: 20603170609

Date Collected: 03/15/06 Time: 1435

Date Received: 03/17/06

Date Extracted: 3/21/06

Date Analyzed: 03/22/06 Time: 1514

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

6/2/06 MW

Number TICs Found : 1

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	5.371	21.7	

FORM I SV-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW58-1017

Contract:

Lab File ID: 2060320/A0900

Lab Sample ID: 20603170613

Date Collected: 03/15/06 Time: 1325

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1848

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW58-1017

Contract:

Lab File ID: 2060320/A0900

Lab Sample ID: 20603170613

Date Collected: 03/15/06 Time: 1325

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1848

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~5.50~~	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	0.936	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

6/27/06

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW58-1017

Contract:

Lab File ID: 2060320/A0900

Lab Sample ID: 20603170613

Date Collected: 03/15/06 Time: 1325

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1848

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031706

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: SK-GW58-1017

Contract:

Lab File ID: 2060320/A0900

Lab Sample ID: 20603170613

Date Collected: 03/15/06 Time: 1325

Date Received: 03/17/06

Date Extracted: 3/18/06

Date Analyzed: 03/20/06 Time: 1848

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM04.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

6/2/06 pm

Number TICs Found : 6

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	3.98	1.95	
2.	104-40-5	4-Nonylphenol	4.028	3.18	
3.	84-16-2	Phenol, 4,4'-(1,2-diethyl-1,2-	4.113	2.19	
4.	57-11-4	Octadecanoic acid	5.127	5.57	
5.		Unknown	5.368	8.6	
6.		Unknown	6.665	46.9	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW58DUPE-1017

Contract:

Lab File ID: 2060320/A0902

Lab Sample ID: 20603170614

Date Collected: 03/15/06 Time: 1335

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1919

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW58DUPE-1017

Contract:

Lab File ID: 2060320/A0902

Lab Sample ID: 20603170614

Date Collected: 03/15/06 Time: 1335

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1919

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~7.02~~	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

6/20/06 MC

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031706

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: SK-GW58DUPE-1017

Contract:

Lab File ID: 2060320/A0902

Lab Sample ID: 20603170614

Date Collected: 03/15/06 Time: 1335

Date Received: 03/17/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1919

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031706

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: SK-GW58DUPE-1017

Contract:

Lab File ID: 2060320/A0902

Lab Sample ID: 20603170614

Date Collected: 03/15/06 Time: 1335

Date Received: 03/17/06

Date Extracted: 3/18/06

Date Analyzed: 03/20/06 Time: 1919

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SOM

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

6/20/06 MA

Number TICs Found : 6

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	57-11-4	Octadecanoic acid	5.124	10	
2.	54789-40-1	Heptanamide, 4-ethyl-5-methyl-	5.169	8.76	
3.		Unknown	5.609	6.84	
4.	7098-22-8	Tetratetracontane	6.194	2.76	
5.		Unknown	6.659	33.3	
6.		Unknown	7.417	7.7	

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: 317885 Analytical Batch: 319005

Sample ID: SK-GW06R-1017
Contract:
SAS No.: SDG No.: 206031706
Lab Sample ID: 20603150908
Date Collected: 03/14/06 Time: 1300
Date Received: 03/15/06
Date Extracted: 03/15/06
Date Analyzed: 03/28/06 Time: 1046
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A010

CONCENTRATION UNITS: ug/L

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

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: 317885 Analytical Batch: 319005

Sample ID: SK-GW07R-1017
Contract:
SAS No.: SDG No.: 206031706
Lab Sample ID: 20603150909
Date Collected: 03/14/06 Time: 1340
Date Received: 03/15/06
Date Extracted: 03/15/06
Date Analyzed: 03/28/06 Time: 1105
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A011

CONCENTRATION UNITS: ug/L

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

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: 318115 Analytical Batch: 319005

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW59-1017

Contract:

SAS No.: SDG No. 206031706

Lab Sample ID: 20603170601

Date Collected: 03/16/06 Time: 0925

Date Received: 03/17/06

Date Extracted: 03/19/06

Date Analyzed: 03/28/06 Time: 1238

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

Lab File ID: 2060328/SV18A016

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

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SK-GW60-1017
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 206031706
Sample wt/vol: 1000 Units: mL
Lab Sample ID: 20603170602
Level (low/med) LOW
Date Collected: 03/16/06 Time: 0950
% Moisture: decanted: (Y/N)
Date Received: 03/17/06
GC Column: ID: (mm)
Date Extracted: 03/19/06
Concentrated Extract Volume: 1000 (µL)
Date Analyzed: 03/28/06 Time: 1257
Soil Aliquot Volume: (µL)
Dilution Factor: 1 Analyst: DLB
Injection Volume: 1 (µL)
Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:
Analytical Method: OLMO 4.2
Prep Batch: 318115 Analytical Batch: 319005
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L
Lab File ID: 2060328/SV18A017

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

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: 318115 Analytical Batch: 319005
CONCENTRATION UNITS: ug/L

Sample ID: SK-GW62A-1017
Contract:
SAS No.: SDG No.: 206031706
Lab Sample ID: 20603170603
Date Collected: 03/16/06 Time: 1015
Date Received: 03/17/06
Date Extracted: 03/19/06
Date Analyzed: 03/28/06 Time: 1316
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A018

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

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SK-GW61-1017
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 206031706
Sample wt/vol: 1000 Units: mL
Lab Sample ID: 20603170605
Level: (low/med) LOW
Date Collected: 03/16/06 Time 1100
% Moisture: decanted: (Y/N)
Date Received: 03/17/06
GC Column: ID: (mm)
Date Extracted: 03/19/06
Concentrated Extract Volume: 1000 (µL)
Date Analyzed: 03/28/06 Time 1334
Soil Aliquot Volume. (µL)
Dilution Factor: 1 Analyst: DLB
Injection Volume: 1 (µL)
Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:
Analytical Method: OLMO 4.2
Prep Batch: 318115 Analytical Batch: 319005
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L
Lab File ID: 2060328/SV18A019

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

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: 318115 Analytical Batch: 319005

Sample ID: SK-GW64-1017
Contract:
SAS No.: SDG No.: 206031706
Lab Sample ID: 20603170606
Date Collected: 03/16/06 Time: 1127
Date Received: 03/17/06
Date Extracted: 03/19/06
Date Analyzed: 03/28/06 Time: 1353
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A020

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

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: 318115 Analytical Batch: 319005

Sample ID: SK-GWEB-1017
Contract:
SAS No.: SDG No : 206031706
Lab Sample ID: 20603170608
Date Collected: 03/16/06 Time: 1405
Date Received: 03/17/06
Date Extracted: 03/19/06
Date Analyzed: 03/28/06 Time: 1412
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A021

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

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SK-GW63-1017
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 206031706
Sample wt/vol: 1000 Units: mL
Lab Sample ID: 20603170609
Level: (low/med) LOW
Date Collected: 03/15/06 Time: 1435
% Moisture: decanted: (Y/N)
Date Received: 03/17/06
GC Column: ID: (mm)
Date Extracted: 03/19/06
Concentrated Extract Volume: 1000 (µL)
Date Analyzed: 03/28/06 Time: 1431
Soil Aliquot Volume: (µL)
Dilution Factor: 1 Analyst: DLB
Injection Volume: 1 (µL)
Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:
Analytical Method: OLMO 4.2
Prep Batch: 318115 Analytical Batch: 319005
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L
Lab File ID: 2060328/SV18A022

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1031-07-8	Endosulfan sulfate	~~0.00790~~ 0.0256	J	0.000100	0.100
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
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
319-85-7	beta-BHC	0.050	U	0.000100	0.050
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
76-44-8	Heptachlor	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
309-00-2	Aldrin	0.050	U	0.000100	0.050
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100

3/7/06

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: 318115 Analytical Batch: 319005

Sample ID: SK-GW58-1017
Contract:
SAS No.: SDG No.: 206031706
Lab Sample ID: 20603170613
Date Collected: 03/15/06 Time: 1325
Date Received: 03/17/06
Date Extracted: 03/19/06
Date Analyzed: 03/28/06 Time: 1604
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A027

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

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: 318115 Analytical Batch: 319005

Sample ID: SK-GW58DUPE-1017
Contract:
SAS No.: SDG No.: 206031706
Lab Sample ID: 20603170614
Date Collected: 03/15/06 Time: 1335
Date Received: 03/17/06
Date Extracted: 03/19/06
Date Analyzed: 03/28/06 Time: 1623
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

CONCENTRATION UNITS: ug/L
Lab File ID: 2060328/SV18A028

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

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: 319973 Analytical Batch: 319005

Sample ID: SK-GW63-1017 (RE)
Contract:
SAS No.: SDG No.: 206031706
Lab Sample ID: 20603170631
Date Collected: 03/15/06 Time: 1435
Date Received: 03/17/06
Date Extracted: 03/29/06
Date Analyzed: 03/31/06 Time: 0915
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A048

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

ug

6/2/06

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW06R-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603150908

Level: (low / med) Date Received: 03/15/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2950		~~N,*E~~	P	
7440-36-0	Antimony	4.0	U	N	P	UJ
7440-38-2	Arsenic	15.2			P	
7440-39-3	Barium	229		~~E~~	P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	223000		~~E~~	P	
7440-47-3	Chromium	8.1	B		P	
7440-48-4	Cobalt	5.2	B		P	
7440-50-8	Copper	6.8	B	* E	P	J
7439-89-6	Iron	7810		~~E~~	P	
7439-92-1	Lead	3.5			P	J
7439-95-4	Magnesium	41300		~~E~~	P	
7439-96-5	Manganese	516		~~E~~	P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	6.1	B	E	P	J
7440-09-7	Potassium	3230	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	25200		E	P	J
7440-28-0	Thallium	4.6	B		P	
7440-62-2	Vanadium	9.5	B		P	
7440-66-6	Zinc	22.6		* 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:

000787A

7/24/06

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

EPA SAMPLE NO.
SK-GW07R-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603150909

Level: (low / med) Date Received: 03/15/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4030		~~N,E~~	P	
7440-36-0	Antimony	4.0	U	N	P	UJ
7440-38-2	Arsenic	21.8			P	
7440-39-3	Barium	185	B	~~E~~	P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	197000		~~E~~	P	
7440-47-3	Chromium	8.7	B		P	
7440-48-4	Cobalt	4.4	B		P	
7440-50-8	Copper	9.4	B	* ~~E~~	P	J
7439-89-6	Iron	9710		~~E~~	P	
7439-92-1	Lead	3.4			P	J
7439-95-4	Magnesium	34600		~~E~~	P	
7439-96-5	Manganese	761		~~E~~	P	
7439-97-6	Mercury	0.1	U		AV	UJ
7440-02-0	Nickel	7.6	B	E	P	J
7440-09-7	Potassium	2770	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	27100		E	P	J
7440-28-0	Thallium	5.2	B		P	
7440-62-2	Vanadium	9.7	B		P	
7440-66-6	Zinc	24.7		* E	P	J
57-12-5	Cyanide	2.2	B		AS	

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

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

Comments:

0007878

7/24/06 MSW

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW06R-1017 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603150918

Level: (low / med) Date Received: 03/15/06

% 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	~~N*E~~	P	
7440-36-0	Antimony	4.0	U	N	P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	161	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	203000		~~E~~	P	
7440-47-3	Chromium	1.3	B		P	
7440-48-4	Cobalt	1.9	B		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	53.9	B	~~E~~	P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	33800		~~E~~	P	
7439-96-5	Manganese	155		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.6	B		P	
7440-09-7	Potassium	2390	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	25800		~~E~~	P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	2.5	B		P	
7440-66-6	Zinc	3.3	B		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

000787C

7/24/06 MRC

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW07R-1017 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603150919

Level: (low / med) Date Received: 03/15/06

% 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	~~N,E~~	P	
7440-36-0	Antimony	4.0	U	N	P	
7440-38-2	Arsenic	5.0	B		P	
7440-39-3	Barium	94.0	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	172000		~~E~~	P	
7440-47-3	Chromium	1.8	B		P	
7440-48-4	Cobalt	2.3	B		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	1680		~~E~~	P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	25100		~~E~~	P	
7439-96-5	Manganese	600		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.4	B		P	
7440-09-7	Potassium	1780	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	26700		~~E~~	P	
7440-28-0	Thallium	6.3	B		P	
7440-62-2	Vanadium	1.8	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:

000787D

7/24/06 MR

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
SK-GW59-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170601

Level: (low / med) Date Received: 03/17/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1060		~~N~~	P	
7440-36-0	Antimony	60.0	U	N	P	UJ
7440-38-2	Arsenic	14.3			P	J
7440-39-3	Barium	54.2	B	~~E~~	P	
7440-41-7	Beryllium	5.0	U		P	
7440-43-9	Cadmium	0.4	B	/	P	
7440-70-2	Calcium	200000			P	
7440-47-3	Chromium	10.0	U		P	
7440-48-4	Cobalt	1.4	B		P	
7440-50-8	Copper	3.4	B	*,E	P	J
7439-89-6	Iron	3710		~~N~~	P	
7439-92-1	Lead	3.0	U	N	P	UJ
7439-95-4	Magnesium	37100			P	
7439-96-5	Manganese	280		~~E~~	P	J
7439-97-6	Mercury	0.2	U	N	AV	UJ
7440-02-0	Nickel	5.3	B	E	P	J
7440-09-7	Potassium	19600		~~E,E~~	P	RJ
7782-49-2	Selenium	5.0	U	N	P	R
7440-22-4	Silver	10.0	U	N	P	
7440-23-5	Sodium	79100		E	P	J
7440-28-0	Thallium	4.3	B	/	P	J
7440-62-2	Vanadium	1.7	B	/	P	
7440-66-6	Zinc	11.3	B	N,*,E	P	J
57-12-5	Cyanide	2.5	B		AS	

6/2/06 MS

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

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

Comments:

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW60-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170602

Level: (low / med) Date Received: 03/17/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16700			P	
7440-36-0	Antimony	4.0	U	N	P	UJ
7440-38-2	Arsenic	55.6			P	J
7440-39-3	Barium	117	B		P	
7440-41-7	Beryllium	0.9	B		P	
7440-43-9	Cadmium	0.6	B		P	
7440-70-2	Calcium	281000			P	
7440-47-3	Chromium	33.0			P	
7440-48-4	Cobalt	14.7	B		P	
7440-50-8	Copper	21.7	B	*,E	P	J
7439-89-6	Iron	38500			P	
7439-92-1	Lead	16.7		N	P	J
7439-95-4	Magnesium	58900			P	
7439-96-5	Manganese	1150			P	J
7439-97-6	Mercury	0.1	U	N	AV	UJ
7440-02-0	Nickel	32.7	B	E	P	J
7440-09-7	Potassium	11900		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	3.1	B	N	P	UJ
7440-23-5	Sodium	32000		E	P	
7440-28-0	Thallium	13.1			P	J
7440-62-2	Vanadium	30.1	B		P	
7440-66-6	Zinc	88.3		N,*,E	P	J
57-12-5	Cyanide	2.5	B		AS	

6/20/06

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

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

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62A-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170603

Level: (low / med) Date Received: 03/17/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	23900			P	
7440-36-0	Antimony	4.0	U	N	P	UJ
7440-38-2	Arsenic	80.5			P	J
7440-39-3	Barium	445			P	
7440-41-7	Beryllium	1.2	B		P	
7440-43-9	Cadmium	0.8	B		P	
7440-70-2	Calcium	424000			P	
7440-47-3	Chromium	55.0			P	
7440-48-4	Cobalt	22.8	B		P	
7440-50-8	Copper	50.0		*,E	P	J
7439-89-6	Iron	59200			P	
7439-92-1	Lead	39.7		N	P	J
7439-95-4	Magnesium	104000			P	
7439-96-5	Manganese	2130			P	J
7439-97-6	Mercury	0.1	B	N	AV	J
7440-02-0	Nickel	59.3		E	P	J
7440-09-7	Potassium	15000		E	P	J
7782-49-2	Selenium	3.5	U	N	P	RJ
7440-22-4	Silver	6.2	B	N	P	J
7440-23-5	Sodium	134000		E	P	J
7440-28-0	Thallium	9.9	B		P	J
7440-62-2	Vanadium	45.2	B		P	
7440-66-6	Zinc	171		N,*,E	P	J

6/20/06 mc

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

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

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW61-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170605

Level: (low / med) Date Received: 03/17/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1780			P	
7440-36-0	Antimony	4.0	U	N	P	UJ
7440-38-2	Arsenic	14.3			P	J
7440-39-3	Barium	70.1	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.5	B		P	
7440-70-2	Calcium	347000			P	
7440-47-3	Chromium	1.9	B		P	
7440-48-4	Cobalt	1.9	B		P	
7440-50-8	Copper	4.6	B	*,E	P	J
7439-89-6	Iron	6770		/	P	
7439-92-1	Lead	1.4	U	N,/	P	UJ
7439-95-4	Magnesium	65900		/	P	
7439-96-5	Manganese	317		/	P	J
7439-97-6	Mercury	0.1	U	N	AV	UJ
7440-02-0	Nickel	8.0	B	E	P	J
7440-09-7	Potassium	9210		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	41300		E	P	J
7440-28-0	Thallium	6.4	B		P	J
7440-62-2	Vanadium	4.4	B		P	
7440-66-6	Zinc	21.8		N,*,E	P	J
57-12-5	Cyanide	1.6	B		AS	

6/12/06

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.

SK-GW64-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170606

Level: (low / med) Date Received: 03/17/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	8050			P	
7440-36-0	Antimony	4.0	U	N	P	UJ
7440-38-2	Arsenic	34.5			P	J
7440-39-3	Barium	67.9	B		P	
7440-41-7	Beryllium	0.3	B		P	
7440-43-9	Cadmium	0.3	B		P	
7440-70-2	Calcium	241000			P	
7440-47-3	Chromium	15.4			P	
7440-48-4	Cobalt	10.9	B		P	
7440-50-8	Copper	9.0	B	*,E	P	J
7439-89-6	Iron	21300			P	
7439-92-1	Lead	5.8		N	P	~~UJ~~ J
7439-95-4	Magnesium	77600			P	
7439-96-5	Manganese	2750			P	J
7439-97-6	Mercury	0.1	U	N	AV	UJ
7440-02-0	Nickel	28.5	B	E	P	J
7440-09-7	Potassium	16400		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	65500		E	P	J
7440-28-0	Thallium	7.0	B		P	J
7440-62-2	Vanadium	14.5	B		P	
7440-66-6	Zinc	41.0		N,*,E	P	J
57-12-5	Cyanide	3.5	B		AS	

6/20/06

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

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

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GWEB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170608

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	UJ
7440-38-2	Arsenic	3.8	U		P	J
7440-39-3	Barium	0.3	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	72.4	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	*,E	P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	34.3	B		P	
7439-96-5	Manganese	1.9	B		P	
7439-97-6	Mercury	0.1	U	N	AV	UJ
7440-02-0	Nickel	0.4	U	E	P	
7440-09-7	Potassium	54.2	U	E	P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	46.3	U	E	P	
7440-28-0	Thallium	6.2	B		P	
7440-62-2	Vanadium	0.6	U		P	
7440-66-6	Zinc	2.4	B	N,*,E	P	J
57-12-5	Cyanide	3.9	B		AS	

6/2/06 [illegible]

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.

SK-GW63-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170609

Level: (low / med) Date Received: 03/17/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16300			P	
7440-36-0	Antimony	4.0	U	N	P	UJ
7440-38-2	Arsenic	56.3			P	J
7440-39-3	Barium	117	B		P	
7440-41-7	Beryllium	1.1	B		P	
7440-43-9	Cadmium	1.7	B		P	
7440-70-2	Calcium	335000			P	
7440-47-3	Chromium	25.4			P	
7440-48-4	Cobalt	14.2	B		P	
7440-50-8	Copper	110		*,E	P	J
7439-89-6	Iron	37000		/	P	
7439-92-1	Lead	28.1		N/	P	J
7439-95-4	Magnesium	81600		/	P	
7439-96-5	Manganese	1590		/	P	
7439-97-6	Mercury	0.1	U	N	AV	UJ
7440-02-0	Nickel	35.4	B	E	P	J
7440-09-7	Potassium	8690		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	39000		E	P	J
7440-28-0	Thallium	9.8	B		P	
7440-62-2	Vanadium	27.8	B		P	
7440-66-6	Zinc	311		N,*,E	P	J
57-12-5	Cyanide	1.5	B		AS	

6/2/06
MJE

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

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

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW53DUP-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170612

Level: (low / med) Date Received: 03/17/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	19200			P	
7440-36-0	Antimony	4.0	U	N	P	UJ
7440-38-2	Arsenic	54.4			P	J
7440-39-3	Barium	130	B		P	
7440-41-7	Beryllium	1.1	B		P	
7440-43-9	Cadmium	0.8	B		P	
7440-70-2	Calcium	368000			P	
7440-47-3	Chromium	29.2			P	
7440-48-4	Cobalt	14.9	B		P	
7440-50-8	Copper	35.2		*,E	P	J
7439-89-6	Iron	42300			P	
7439-92-1	Lead	25.3		N,*	P	J
7439-95-4	Magnesium	91000			P	
7439-96-5	Manganese	1600		E	P	
7439-97-6	Mercury	0.1	U	N	AV	UJ
7440-02-0	Nickel	35.2	B	E	P	J
7440-09-7	Potassium	10300		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	43100		E	P	J
7440-28-0	Thallium	13.6			P	
7440-62-2	Vanadium	32.2	B		P	
7440-66-6	Zinc	117		N,*,E	P	J
57-12-5	Cyanide	1.3	B		AS	

6/20/06
MK

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

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

Comments:

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

EPA SAMPLE NO.

SK-GW58-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170613

Level. (low / med) Date Received: 03/17/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15400			P	
7440-36-0	Antimony	4.0	U	N	P	UJ
7440-38-2	Arsenic	61.6			P	J
7440-39-3	Barium	349			P	
7440-41-7	Beryllium	0.8	B		P	
7440-43-9	Cadmium	0.7	B		P	
7440-70-2	Calcium	264000			P	
7440-47-3	Chromium	38.3			P	
7440-48-4	Cobalt	14.5	B		P	
7440-50-8	Copper	32.3		*,E	P	J
7439-89-6	Iron	41700		~~*~~	P	
7439-92-1	Lead	21.1		N,~~*~~	P	J
7439-95-4	Magnesium	72300		~~*~~	P	
7439-96-5	Manganese	1140		~~*,E~~	P	J
7439-97-6	Mercury	0.1	U	N	AV	UJ
7440-02-0	Nickel	37.3	B	E	P	J
7440-09-7	Potassium	9500		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	4.3	B	N	P	J
7440-23-5	Sodium	43000		E	P	J
7440-28-0	Thallium	8.2	B		P	J
7440-62-2	Vanadium	30.3	B		P	
7440-66-6	Zinc	123		N,*,E	P	J
57-12-5	Cyanide	1.0	B		AS	

6/2/06
MSL

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

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

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW58DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170614

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	UJ
7440-38-2	Arsenic	102			P	J
7440-39-3	Barium	565			P	
7440-41-7	Beryllium	1.5	B		P	
7440-43-9	Cadmium	1.2	B		P	
7440-70-2	Calcium	448000			P	
7440-47-3	Chromium	72.3			P	
7440-48-4	Cobalt	27.0	B		P	
7440-50-8	Copper	61.6		*,E	P	J
7439-89-6	Iron	76800			P	
7439-92-1	Lead	35.7		N	P	J
7439-95-4	Magnesium	82200			P	
7439-96-5	Manganese	2300			P	J
7439-97-6	Mercury	0.1	U	N	AV	UJ
7440-02-0	Nickel	71.5		E	P	J
7440-09-7	Potassium	12000		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	9.4	B	N	P	J
7440-23-5	Sodium	41700		E	P	J
7440-28-0	Thallium	22.1			P	J
7440-62-2	Vanadium	53.5			P	
7440-66-6	Zinc	193		N,*,E	P	J
57-12-5	Cyanide	1.9	B		AS	

6/21/06 MSR

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

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

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW59-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170617

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	42.1	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.2	B		P	
7440-70-2	Calcium	192000			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	N	P	UJ
7439-95-4	Magnesium	34100			P	
7439-96-5	Manganese	26.7		E	P	J
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	1.1	B		P	
7440-09-7	Potassium	19600		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	72000			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	0.6	U		P	
7440-66-6	Zinc	2.7	B	N	P	

6/20/06
MR

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.

SK-GW60-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170618

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	
7440-38-2	Arsenic	5.9	B		P	J
7440-39-3	Barium	58.9	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	210000			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	N	P	UJ
7439-95-4	Magnesium	44200			P	
7439-96-5	Manganese	0.1	U	E	P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	0.8	B		P	
7440-09-7	Potassium	7950		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	29900			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	0.6	U		P	
7440-66-6	Zinc	1.1	U	N	P	

6/20/06
MK

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.

SK-GW61-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170619

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	0.2	U	E	P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	335	B		P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.7	B		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	159			P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	63100			P	
7439-96-5	Manganese	0.3	B	E	P	J
7439-97-6	Mercury	0.1	U	N	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	R
7440-22-4	Silver	1.1	U	N	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	1.1	U	N	P	

6/2/06 MSE

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.

SK-GW64-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170620

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	
7440-38-2	Arsenic	5.8	B		P	J
7440-39-3	Barium	39.4	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	207000			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.7	B		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	71600			P	
7439-96-5	Manganese	783		E	P	J
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	9.0	B		P	
7440-09-7	Potassium	15400		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	68100			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	1.2	B		P	
7440-66-6	Zinc	1.1	U	N	P	

6/12/06
MX

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.

SK-GWEB-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170621

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	0.7	B	E	P	J
7440-41-7	Beryllium	0.2	B		P	
7440-43-9	Cadmium	0.5	B		P	
7440-70-2	Calcium	313	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	N	P	UJ
7439-95-4	Magnesium	16.4	B		P	
7439-96-5	Manganese	0.1	U	E	P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	1.1	B		P	
7440-09-7	Potassium	54.2	U	E	P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	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	3.3	B	N	P	

6/20/06
MSA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW63-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170622

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	
7440-38-2	Arsenic	7.5	B		P	J
7440-39-3	Barium	33.8	B	E	P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.5	B		P	
7440-70-2	Calcium	279000			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	1.6	B		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	64300			P	
7439-96-5	Manganese	481		E	P	J
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	3.2	B		P	
7440-09-7	Potassium	5720		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	38600			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	0.9	B		P	
7440-66-6	Zinc	1.1	U	N	P	

6/20/06 MK

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.

SK-GW63DUP-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170624

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	
7440-38-2	Arsenic	7.5	B		P	J
7440-39-3	Barium	33.8	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.5	B		P	
7440-70-2	Calcium	283000			P	
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	1.5	B		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	10.5	U		P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	64400			P	
7439-96-5	Manganese	484		E	P	J
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	3.1	B		P	
7440-09-7	Potassium	5770		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	39400			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	0.6	B		P	
7440-66-6	Zinc	1.1	U	N	P	

6/20/06
MX

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.

SK-GW58-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170625

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	213		E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	130000			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	164			P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	44900			P	
7439-96-5	Manganese	232		E	P	J
7439-97-6	Mercury	0.3		N	AV	
7440-02-0	Nickel	1.9	B		P	
7440-09-7	Potassium	6010		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	44700			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	0.7	B		P	
7440-66-6	Zinc	10.2	B	N	P	

6/12/06
MSL

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.

SK-GW58DUPE-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031706

Matrix: (soil / water) Water Lab Sample ID: 20603170626

Level: (low / med) Date Received: 03/17/06

% 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	4.0	U	N	P	
7440-38-2	Arsenic	7.8	B		P	J
7440-39-3	Barium	239		E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	119000			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	266			P	
7439-92-1	Lead	1.4	U	N	P	US
7439-95-4	Magnesium	41600			P	
7439-96-5	Manganese	223		E	P	J
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	1.2	B		P	
7440-09-7	Potassium	5720		E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U	N	P	
7440-23-5	Sodium	40000			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	0.6	U		P	
7440-66-6	Zinc	1.1	U	N	P	

6/20/06
MC

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

GGAL

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
		1706 JAC 3-20-06	

Report to:

Client:
Address:
Contact:
Phone:
Fax:

Bill to:

Client:
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number:
Sampled By:

Analytical Requests & Method: Volatiles

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	Remarks	Lab ID
W	3/13	[illegible]		X	[illegible]	[illegible]	3		-1
W	3/13	[illegible]		X	[illegible]				-2
W	3/13	[illegible]		X	[illegible]				3
W	3/13	[illegible]		X	[illegible]				-4
W	3/13	[illegible]		X	[illegible]				-5
W	3/14	[illegible]		X	[illegible]			206031509	-6
W	3/14	[illegible]		X	[illegible]				8
W	3/14	[illegible]		X	[illegible]			*	a
					[illegible]			*	10
								VHBLK	-11

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[illegible]	[illegible]	[illegible]	[illegible]
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[illegible]	[illegible]	[illegible]	530
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: [illegible]

* Samples are in this workorder

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

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

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

GCAL-06 11/98

001080

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Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only	Client Name	Client #	Workorder #	Due Date
	Earth Tech	4342	206031~~509~~ 1706 JAC 3-20-06	3-29-06

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:
Address: Glenn Springs contract
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill 1 Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

Analytical Requests & Method

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

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCBs	Total Metals	Dissolved metals	Cyanide				Diss	Remarks: 206031509	Lab ID
GW	3/14	1300		X	SK-GW062-1017	Various	7	X	X	X	X	X	X				18	Refer to	8
GW	3/14	1340		X	SK-GW072-1017	Various	7	X	X	X	X	X	X				19	Table 7 (TLL)	9
																		and Table 8	
																		(TAL) for the	
																		complete list	
																		of analytes in	
																		the Final	
																		O&M Plan	

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Patrick Higgins	FED EX	3/14/06	1700
Fedex	[signature]	3-15-06	930

Note:
* Standard Turnaround
* Samples sent via FED EX for overnight Delivery

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

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

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GCAL-06 11/98

1301081

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Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
Earth Tech	4342	206031706	3 31 06

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:
Address: Glenn Springs
Contact: Contract
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Shinner Landfill / Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

Analytical Requests & Method

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 5

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Volatiles	Semi-Volatiles	PCB's	Pesticides	Total Metals	Dissolved Metals	Cyanide				Remarks:	Lab ID
GW	3/16	0925		X	SK-GW59-1017	HCL	3	X										Refer to Table 7	-1
GW	3/16	0950		X	SK-GW60-1017	HCL	3	X										(TCL) and Table	-2
GW	3/16	1015		X	SK-GW62A-1017	Various	6	X	X	X	X	X						8(TAL) of The	-3
GW	3/16	1035		X	SK-GW62B-1017	Various	4	X	X							D.SS		Final O&M	4
GW	3/16	1100		X	SK-GW61-1017	Various	10	X	X	X	X	X	X	X			19	Plan for The	5
GW	3/16	1127		X	SK-GW64-1017	HCL	3	X										Complete list	6
GW	3/16	1145		X	SK-GW65-1017	HCL	3	X										of analytes	7
GW	3/16	1405		X	SK-GW6B-1017	HCL	3	X											8
					P.H.														

*Low sample volume for GW62A and GW62B. Only able to collect one semi-vol jar

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/16/06	1800
Fedex	[signature]	3-17-06	943

Note: * STANDARD Turnaround
* Samples sent via FED EX - Priority overnight Delivery

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

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

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001082

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CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
Earth Tech	4342	2006317 06	3-31-06

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:
Address: Glenn Springs
Contact: Contract
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 1 Qtr. 2004
Sampled By: Pat Higgins & Dallas Grimes

Analytical Requests & Method

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

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	PCB's	Pesticides	Total Metals	Dissolved Metals	Cyanide			Diss		Remarks:	Lab ID
GW	3/16	0125		X	SK-GW59-1017	Various	7	X	X	X	X	X	X			17		Refer to	-1
GW	3/16	0150		X	SK-GW60-1017	Various	~~7~~ 5	X	X	X	X	X	X			18		Table 7 (TCL)	-2
																		and Table 8	
																		(TAL) of the	
																		Final O&M	
																		Plan for the	
																		Complete list	
																		of analytes	

* Low Sample Volume for GW-60 - only 1 Semi-Vom jar and 1 Pest/PCB jar

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	3/16/06 FED EX	3/16/06	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex	[illegible]	3/17/06	9:13
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
* Standard Turnaround
* Samples sent via FED EX overnight Delivery

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

We cannot accept verbal changes. Please fax written changes to: (225) 767-5717

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

GCAL-06 11/96

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Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only	Client Name	Client #	Workorder #	Due Date
	Earth Tech	4342	206031706	3-31-06

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:
Address: Glenn Springs Contract
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Shinner Landfill - 1 Qtr. 2006
Sampled By: Pat Higgins & Pallas Grimes

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				DSS	Remarks:	Lab ID
GW	3/16	1127		X	SK-GW64-1017	Various	7	X	X	X	X	X	X				20	Refer to	6
~~GW~~	~~3/16~~	~~1115~~		~~X~~	~~SK-GW65-1017~~ P.H.												~~21~~ MA	Table 7 (TCL)	
GW	3/16	1405		X	SK-GWEB-1017	Various	7	X	X	X	X	X	X				21	and Table 8	8
																		(TAL) of The	
																		Final O&M	
																		Plan for The	
																		Complete list	
																		of Analytes	

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/16/06	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex	[illegible]	3-17-06	9:13
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
* Standard Turnaround
* Samples sent via FED EX - Priority overnight Delivery

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

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

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GCAL-OE 11/98

001084

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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	206031706	3-31-06
Client Name	Client #	Workorder #	Due Date

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:
Address: Glenn Springs
Contact: Contract
Phone:
Fax:

P.O. Number: 5428001
Project Name/Number: Shinner Landfill - West Chester, OH 1 Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

Analytical Requests & Method

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

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Volatiles	Semi-Volatiles	PCBs	Pesticides	Total metals	Dissolved metals	Cyanide			D.SS		Remarks:	Lab ID
GW	3/15	1435		X	SK-GW63-1017	Various	10	X	X	X	X	X	X	X			22		Refer to Table 7	9
↓	↓	1445		↓	SK-GW63MS-1017	HCL	3	X											(TCL) and Table 8	10
↓	↓	1455		↓	SK-GW63MSD-1017	↓	↓	X											(TAL) of the	11
↓	↓	1325		↓	SK-GW58-1017	↓	↓	X											Final O&M	13
↓	↓	1335		↓	SK-GW58Dupe1017	↓	↓	X											Plan for the	14
					SK-~~NW~~ TB-1017 PH	↓	↓	X											complete list of	15
																			analytes	
																			VHBZK	16

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/15/06	1800
Fedel	[signature]	~~3-16-06~~ 3/17-06	943

Note: * Standard Turnaround
* Samples sent via FED EX - priority Delivery

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

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

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

GCAL-06 11/98

GCAL

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Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
Earth Tech	4342	20003170	3 31-06
Client Name	Client #	Workorder #	Due Date

Report to:
Client: Earth Tech
Address: 2373 Progress Drive
Hebron Ky 41048
Contact: Pat Higgins
Phone: 859/442-2300
Fax: 859/442-7311

Bill to:
Client: Chevron
Address: Pasadena
Contact: Jackie
Phone:
Fax:

P.O. Number: 54280
Project Name/Number: Shinner Landfill / Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

Analytical Requests & Method

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

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	PCB's	Pesticides	Total metals	Dissolved metals	Cyanides			D.55	Remarks:	Lab ID
GW	3/15	1445		X	Sh-GW63MS-1017	Various	7	X	X	X	X	X	X			23	Refer to	10
GW	3/15	1455		X	Sh-GW63MSD-1017	Various	7	X	X	X	X	X	X			24	Table 7 (TCL)	11, 12 DUP
																	and Table 8	RE 31, 32, 33
																	(TAL) of the	
																	Final QAPP	
																	Plan for the	
																	complete list	
																	of analytes	

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/15/06	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex	MC	3-17-06	943
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
* Standard Turnaround
* Samples sent via FED EX - Priority Overnight

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

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

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GCAL-06 11/98

001086

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7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
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CHAIN OF CUSTODY RECORD

Lab use only			
Earth Tech	4342	206031706	3-31-06
Client Name	Client #	Workorder #	Due Date

Report to:
Client: Earth Tech
Address: 2373 Progress Drive
Helena, MT 59601
Contact: Pat Higgins
Phone: 854 | 442-2300
Fax: 854 | 442-2311

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 1 Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

Analytical Requests & Method

Lab use only:
Custody Seal used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 5

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Metals (Total)	Metals (Filtered)	PCB's	Pesticides	Cyanide					Remarks:	Lab ID
GW	3/15	1325		X	SK-GW58-1017	Various	7	X	X	X	X	X	X			-25		Refer to Table	13
GW	3/15	1355		X	SK-GW58-Dupe-1017	Various	7	X	X	X	X	X	X			-26		7 (TCL) and	14
																		Table 2 (TAL)	
																		of the final	
																		O&M Plan for	
																		the complete	
																		analyte list	

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/15/06	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Feley	[illegible]	3-17-06	943
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
* Standard Turnaround
* Samples sent via FED EX - Priority Delivery

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

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

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

GCAL-06 11/98

001087

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 54280

LABORATORY REPORT NUMBER 206031809

PROJECT MANAGER: Ron Rolker

Date: May 25, 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 206031809 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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) 206031809.

GCAL #	Sample Description
20603180901	SK-SW52-1017
20603180902	SK-SW50-1017
20603180903	SK-SW50MS-1017
20603180905	SK-SW50DUP-1017
20603180906	SK-SW51-1017
20603180907	SK-SW51DUPE-1017
20603180908	SK-SWEB-1017
20603180910	SK-SW52-1017 (DISS)
20603180911	SK-SW50-1017 (DISS)
20603180912	SK-SW50MS-1017 (DISS)
20603180913	SK-SW50DUP-1017 (DISS)
20603180914	SK-SW51-1017 (DISS)
20603180915	SK-SW51DUPE-1017 (DISS)
20603180916	SK-SWEB-1017 (DISS)

INTRODUCTION

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

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

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

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

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

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

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

1. Holding Times
2. Calibration
   A. Initial Calibration (IC)
   B. Continuing Calibration (CC)
3. Blanks
4. Inductively Coupled Plasma (ICP) Interference Check Sample
5. Laboratory Control Sample (LCS)
6. Duplicate Analysis
7. Spike Sample Analysis
8. ICP Serial Dilution
9. System Performance
10. Documentation
11. Overall Assessment

1. HOLDING TIMES

All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol.

Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. CALIBRATION

A. Initial Calibration

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

B. Continuing Calibration

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

3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL) with the exception of Selenium in the ICB (-8.9) and in CCB 1 (5.4) associated with the analysis dated 4/27/06 and Selenium in CCB 2 (-6.0) associated with the analysis dated 5/2/06. As per the National Functional Guidelines; if the absolute value of the CCB exceeds the CRDL, then the analysis should have been terminated. Sample results greater than the IDL but less than 5 times the amount found in any blank should be qualified as "U".

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 samples SK-SW50-1017 (total and dissolved fractions) and SK-SW52-1017 (dissolved fraction) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-SW50-1017 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Arsenic (66%), Lead (71%), and Selenium (59%) in the total fraction and Arsenic (65%), Lead (65%), and Selenium (0%) in the dissolved fraction.

Sample SK-SW52-1017 (dissolved) was also used for matrix spike analysis. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Arsenic (72%), and Selenium (40%).

As per the National Functional Guidelines, if the percent recovery is less than 30% qualify results greater than the IDL with "J" and reject non-detected results. If the percent recovery is greater than 30% but less than 75% qualify results greater than the IDL with "J" and non-detected results with "UJ".

8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes.

9. SYSTEM PERFORMANCE

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

10. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

11. OVERALL ASSESSMENT

<u>CRDL Dated 4/27/06</u>

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 4/27/06 were 112% and 121%. As per the National Functional Guidelines, if the CRDL is above 120% then detected results are qualified as estimated with "J".

<u>CRDL Dated 5/2/06</u>

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards analyzed on 5/2/06 were 76% and 66%.

As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ".

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 5/2/06 were 80% and 38%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ".

The percent recoveries for Manganese in the Contract Required Detection Limit (CRDL) standards analyzed on 5/2/06 were 181% and 169%. As per the National Functional Guidelines, if the CRDL is above 120% then detected results are qualified as estimated with "J".

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 5/2/06 were 37% and 51%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ".

The percent recoveries for Silver in the Contract Required Detection Limit (CRDL) standards analyzed on 5/2/06 were 81% and 72%. As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206031809 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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 206031809.

GCAL #	Sample Description
20603180901	SK-SW52-1017
20603180902	SK-SW50-1017
20603180903	SK-SW50MS-1017
20603180904	SK-SW50MSD-1017
20603180906	SK-SW51-1017
20603180907	SK-SW51DUPE-1017
20603180908	SK-SWEB-1017

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 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 MSSV1. One decafluorotriphenylphosphine (DFTPP) tune was run representing the shift in which the standards and samples were analyzed. The DFTPP tune is acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 3/20/06 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's were within the acceptance criteria specified in the method for all target compounds

B. Continuing Calibration

One CC dated 3/20/06 was 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's were within the acceptance criteria.

4. BLANKS

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

Method Blank (MB348733)

Bis-(2-ethylhexyl) phthalate (2.13 ppb) was detected in the blank extracted on 3/18/06.

Equipment Blank (SK-SWEB -1017)

Bis-(2-ethylhexyl) phthalate (3.9 ppb), Di-n-butylphthalate (0.978 ppb) and Diethylphthalate (11.4 ppb) were detected in the Equipment blank collected on 3/17/06.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits.

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

Sample SK-SW50-1017 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas and Retention Times (RT) were within the acceptance limits for the reported semivolatile sample.

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

There was no extraction date or preparation method listed on Form I SV-TIC. 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 206031809 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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 206031809.

GCAL #	Sample Description
20603180901	SK-SW52-1017
20603180902	SK-SW50-1017
20603180903	SK-SW50MS-1017
20603180904	SK-SW50MSD-1017
20603180905	SK-SW50DUP-1017
20603180906	SK-SW51-1017
20603180907	SK-SW51DUPE-1017
20603180908	SK-SWEB-1017

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 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

One IC dated 3/22/06 was analyzed on instrument MSV4 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRF's and the average RRF for the IC were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone associated with the IC dated 3/22/06.

The %RSD's were within the acceptance criteria specified in the method for all target analytes associated with the IC date 3/22/06 with the exception of 1,2,4-Trichlorobenzene. As per the National Functional Guidelines if the %RSD is greater than 30% then qualify detected results for the compound with "J".

B. Continuing Calibration

One CC dated 3/23/06 was 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 Acetone, 4-methyl-2-pentanone, 2-Hexanone, and 1,2,4-Trichlorobenzene. The CC RRF's for the CC were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone, 2-Butanone, 4-methyl-2-pentanone, and 2-Hexanone.

As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ".

If the CC RF is less than the acceptance criteria then qualify detected results with "J" and non-detected results with "R".

4. BLANKS

One laboratory volatile method blank and a storage blank were analyzed with this SDG. The results are summarized below.

MB350351

There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 3/23/06 (0920).

Storage Blank (VHBLK)

There were no compounds detected above the Reporting Limit (RL) in the Storage Blank analyzed on 3/23/06.

5. SYSTEM MONITORING COMPOUND RECOVERY

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

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SW50-1017 was submitted for the MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. The RPD between the compounds were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

One Laboratory Control Sample was 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 206031809 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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 206031809.

GCAL #	Sample Description
20603180901	SK-SW52-1017
20603180902	SK-SW50-1017
20603180903	SK-SW50MS-1017
20603180904	SK-SW50MSD-1017
20603180905	SK-SW50DUP-1017
20603180906	SK-SW51-1017
20603180907	SK-SW51DUPE-1017
20603180908	SK-SWEB-1017
20603180917	SK-SWEB-1017 (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. 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

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 SK-SWEB-1017 was re-extracted outside the recommended holding times because of low surrogate recoveries associated with the initial extraction and analysis.

As per the National Functional Guidelines, if the recommended holding is exceeded then qualify detected results for that sample with "J" and non-detected result with "UJ".

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 verifications.

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

Two laboratory method blanks were analyzed with this SDG. The results are summarized below.

<u>Method Blank 348776</u>

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 3/19/06.

Method Blank 357100

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 3/29/06.

6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples with the exception of DCB (0.2%) and TCX (0.01%) associated with sample SK-SWEB-1017. As per the National Functional Guidelines, if either surrogate is between 0 and 10% recovery then qualify detected results for that sample with "J" and non-detected results with "R".

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SW50-1017 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of Lindane (32%/37%). 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

GCAL listed the date extracted for MB348776 as 8/19/06 when it should have been listed as 3/19/06. The data validator manually made the correction.

12. OVERALL ASSESSMENT

The results from the re-extracted and re-analysis of sample SK-SWEB-1017 can be used for informational purposes. The results are acceptable as reported by the laboratory.

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 05/03/2006

GCAL Report 206031809

RESUBMITTED

Deliver To	Earth Tech 1455 Old Alabama Rd Suite 170 Roswell, GA 30076 770-990-1400
Attn	Mark Kromis

Customer Earth Tech

Project Skinner Landfill

CASE NARRATIVE

Client: Earth Tech **Report:** 206031809

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.

Selected pages of the report are resubmitted to correct the date extracted on the OLM04.2 Pesticide Form I. Form II Part B for the ILM04.1 Metals analysis is submitted as an addition. The Form III in the ILM04.1 Metals analysis has been resubmitted to include the Preparation Blank results.

VOLATILES MASS SPECTROMETRY

In the OLC02.1 CLP Volatiles analysis, Acetone, 2-Butanone, 4-Methyl-2-Pentanone, 2-Hexanone and 1,2,4-Trichlorobenzene were above the 30% D in the CCV analyzed on instrument MSV4 on 03/23/06.

In the OLC02.1 CLP Volatiles analysis, 1,4-Dichlorobenzene-d-4 exceeded the 40 % inclusive range for its mean response in the 1 ppb calibration standard of the initial calibration associated with analytical batch 318474. All % RSD and response factor criteria were met in the initial calibration.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis, sample 20603180908 (SK-SWEB-1017) exhibited low surrogate recoveries in the primary analysis. This sample was re-extracted and analyzed out of hold time with acceptable recoveries therefore both results are reported.

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 318115, the MS/MSD exhibited sporadic recovery failures. These recoveries were within limits in the LCS and/or LCSD. This is attributed to matrix interference.

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 319973, the MS/MSD exhibited sporadic recovery and RPD 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 320860, the MS and/or MSD recoveries were outside the control limits for Arsenic and Selenium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with recoveries of 67% for Arsenic and 129% for Selenium. The MS and/or

MSD recovery was outside the control limits for Arsenic, Lead and Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The Sample/Duplicate RPD for Chromium, Potassium, Silver, Vanadium, Zinc, Aluminum, Antimony, Cadmium, Iron and Manganese 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, sample 20603180911 (SK-SW50-1017(DISS)) had insufficient sample volume to re-prep analysis. Sample volume for re-prep was taken from unpreserved container from sample 20603180902 (SK-SW50-1017) and was filtered in the lab.

Laboratory Endorsement

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

Common Abbreviations Utilized in this Report

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

Reporting Flags Utilized in this Report

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

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

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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 206031809

THIS REPORT CONTAINS 567 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20603180901	SK-SW52-1017	Water	03/17/2006 11:20	03/18/2006 09:30
20603180902	SK-SW50-1017	Water	03/17/2006 09:30	03/18/2006 09:30
20603180903	SK-SW50MS-1017	Water	03/17/2006 09:40	03/18/2006 09:30
20603180904	SK-SW50MSD-1017	Water	03/17/2006 09:50	03/18/2006 09:30
20603180905	SK-SW50DUP-1017	Water	03/17/2006 09:50	03/18/2006 09:30
20603180906	SK-SW51-1017	Water	03/17/2006 10:35	03/18/2006 09:30
20603180907	SK-SW51DUPE-1017	Water	03/17/2006 10:45	03/18/2006 09:30
20603180908	SK-SWEB-1017	Water	03/17/2006 13:00	03/18/2006 09:30
20603180909	VHBLK	Water		03/18/2006 09:30
20603180910	SK-SW52-1017(DISS)	Water	03/17/2006 11:20	03/18/2006 09:30
20603180911	SK-SW50-1017(DISS)	Water	03/17/2006 09:30	03/18/2006 09:30
20603180912	SK-SW50MS-1017(DISS)	Water	03/17/2006 09:40	03/18/2006 09:30
20603180913	SK-SW50DUP-1017(DISS)	Water	03/17/2006 09:50	03/18/2006 09:30
20603180914	SK-SW51-1017(DISS)	Water	03/17/2006 10:35	03/18/2006 09:30
20603180915	SK-SW51DUPE-1017(DISS)	Water	03/17/2006 10:45	03/18/2006 09:30
20603180916	SK-SW51EB-1017(DISS)	Water	03/17/2006 13:00	03/18/2006 09:30
20603180917	SK-SWEB-1017 (RE)	Water	03/17/2006 13:00	03/18/2006 09:30

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603180901

Level: (low/med) Lab File ID: 2060323/V0981

% Moisture: not dec. Date Collected: 03/17/06 Time: 1120

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/18/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1606

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603180901

Level: (low/med) Lab File ID: 2060323/V0981

% Moisture: not dec. Date Collected: 03/17/06 Time: 1120

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/18/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1606

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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.
SK-SW52-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: Water Lab Sample ID: 20603180901

Sample wt/vol: Units: Lab File ID: 2060323/V0981

Level: (low/med) Date Collected: 03/17/06 Time: 1120

% Moisture: not dec. Date Received: 03/18/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1606

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Unknown	1.557	1.55	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW50-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603180902

Level: (low/med) Lab File ID: 2060323/V0977

% Moisture: not dec. Date Collected: 03/17/06 Time: 0930

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/18/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1431

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/16/06

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW50-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603180902

Level: (low/med) Lab File ID: 2060323/V0977

% Moisture: not dec. Date Collected: 03/17/06 Time: 0930

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/18/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1431

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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.
SK-SW50-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: Water Lab Sample ID: 20603180902

Sample wt/vol: Units: Lab File ID: 2060323/V0977

Level: (low/med) Date Collected: 03/17/06 Time: 0930

% Moisture: not dec. Date Received: 03/18/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1431

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	0-00-0	Unknown	1.557	1.98	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603180906

Level: (low/med) Lab File ID: 2060323/V0982

% Moisture: not dec. Date Collected: 03/17/06 Time: 1035

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/18/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1629

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603180906

Level: (low/med) Lab File ID: 2060323/V0982

% Moisture: not dec. Date Collected: 03/17/06 Time: 1035

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/18/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1629

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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.
SK-SW51-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: Water Lab Sample ID: 20603180906

Sample wt/vol: Units: Lab File ID: 2060323/V0982

Level: (low/med) Date Collected: 03/17/06 Time: 1035

% Moisture: not dec. Date Received: 03/18/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1629

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	0-00-0	Unknown	1.557	1.59	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603180907

Level: (low/med) Lab File ID: 2060323/V0983

% Moisture: not dec. Date Collected: 03/17/06 Time: 1045

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/18/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1652

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603180907

Level: (low/med) Lab File ID: 2060323/V0983

% Moisture: not dec. Date Collected: 03/17/06 Time: 1045

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/18/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1652

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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.
SK-SW51DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: Water Lab Sample ID: 20603180907

Sample wt/vol: Units: Lab File ID: 2060323/V0983

Level: (low/med) Date Collected: 03/17/06 Time: 1045

% Moisture: not dec. Date Received: 03/18/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1652

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Unknown	1.556	1.58	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SWEB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603180908

Level: (low/med) Lab File ID: 2060323/V0984

% Moisture: not dec. Date Collected: 03/17/06 Time: 1300

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/18/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1715

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

6/16/06 MSW

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SWEB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603180908

Level: (low/med) Lab File ID: 2060323/V0984

% Moisture: not dec. Date Collected: 03/17/06 Time: 1300

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/18/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1715

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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.
SK-SWEB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: Water Lab Sample ID: 20603180908

Sample wt/vol: Units: Lab File ID: 2060323/V0984

Level: (low/med) Date Collected: 03/17/06 Time: 1300

% Moisture: not dec. Date Received: 03/18/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1715

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 2

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Dimethyl ether	1.553	.984	
2.	430-57-9	Unknown	2.361	.508	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW52-1017

Contract:

Lab File ID: 2060320/A0903

Lab Sample ID: 20603180901

Date Collected: 03/17/06 Time: 1120

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1935

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW52-1017

Contract:

Lab File ID: 2060320/A0903

Lab Sample ID: 20603180901

Date Collected: 03/17/06 Time: 1120

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1935

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~5.33~~	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	0.739	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	

6/16/06 MM

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW52-1017

Contract:

Lab File ID: 2060320/A0903

Lab Sample ID: 20603180901

Date Collected: 03/17/06 Time: 1120

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1935

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031809

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: SK-SW52-1017

Contract:

Lab File ID: 2060320/A0903

Lab Sample ID: 20603180901

Date Collected: 03/17/06 Time: 1120

Date Received: 03/18/06

Date Extracted: 3\18\06

Date Analyzed: 03/20/06 Time: 1935

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM 04.2

Instrument ID: MSSV1

Number TICs Found : 6

CONCENTRATION UNITS:ug/L

5/31/06 [illegible]

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	3.977	1.76	
2.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	4.11	1.84	
3.	25154-52-3	Phenol, nonyl-	4.13	1.46	
4.	57-11-4	Octadecanoic acid	5.121	2.51	
5.		Unknown	5.359	24	
6.		Unknown	6.659	52.8	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW50-1017

Contract:

Lab File ID: 2060320/A0904

Lab Sample ID: 20603180902

Date Collected: 03/17/06 Time: 0930

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1951

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CONCENTRATION UNITS: ug/L

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW50-1017

Contract:

Lab File ID: 2060320/A0904

Lab Sample ID: 20603180902

Date Collected: 03/17/06 Time: 0930

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1951

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~8.65~~	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	1.56	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

UL

6/16/06 [illegible]

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW50-1017

Contract:

Lab File ID: 2060320/A0904

Lab Sample ID: 20603180902

Date Collected: 03/17/06 Time: 0930

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 1951

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031809

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: SK-SW50-1017

Contract:

Lab File ID: 2060320/A0904

Lab Sample ID: 20603180902

Date Collected: 03/17/06 Time: 0930

Date Received: 03/18/06

Date Extracted: 3/18/06

Date Analyzed: 03/20/06 Time: 1951

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM 4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

Number TICs Found : 6

CONCENTRATION UNITS:ug/L

5/31/06 MR

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	3.983	1.73	
2.	88-18-6	Phenol, 2-(1,1-dimethylethyl)-	4.062	1.06	
3.	25154-52-3	Phenol, nonyl-	4.091	1.16	
4.	119-52-8	Ethanone, 2-hydroxy-1,2-bis(4-	4.116	1.94	
5.	25154-52-3	Phenol, nonyl-	4.139	1.45	
6.		Unknown	6.665	41.2	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW51-1017

Contract:

Lab File ID: 2060320/A0907

Lab Sample ID: 20603180906

Date Collected: 03/17/06 Time: 1035

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 2038

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW51-1017

Contract:

Lab File ID: 2060320/A0907

Lab Sample ID: 20603180906

Date Collected: 03/17/06 Time: 1035

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 2038

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~3.05~~	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	1.07	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	

6/16/06 MZ

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW51-1017

Contract:

Lab File ID: 2060320/A0907

Lab Sample ID: 20603180906

Date Collected: 03/17/06 Time: 1035

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 2038

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031809

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: SK-SW51-1017

Contract:

Lab File ID: 2060320/A0907

Lab Sample ID: 20603180906

Date Collected: 03/17/06 Time: 1035

Date Received: 03/18/06

Date Extracted: 3/18/06

Date Analyzed: 03/20/06 Time: 2038

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

Number TICs Found : 6

CONCENTRATION UNITS:ug/L

5/31/06

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	3.98	2.88	
2.	25154-52-3	Phenol, nonyl-	4.057	1.64	
3.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	4.111	2.44	
4.	25154-52-3	Phenol, nonyl-	4.133	2.06	
5.		Unknown	5.359	25.6	
6.		Unknown	6.662	68.6	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW51DUPE-1017

Contract:

Lab File ID: 2060320/A0908

Lab Sample ID: 20603180907

Date Collected: 03/17/06 Time: 1045

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 2054

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW51DUPE-1017

Contract:

Lab File ID: 2060320/A0908

Lab Sample ID: 20603180907

Date Collected: 03/17/06 Time: 1045

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 2054

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	12.0	B	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

UL

6/16/06 MS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SW51DUPE-1017

Contract:

Lab File ID: 2060320/A0908

Lab Sample ID: 20603180907

Date Collected: 03/17/06 Time: 1045

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 2054

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031809

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: SK-SW51DUPE-1017

Contract:

Lab File ID: 2060320/A0908

Lab Sample ID: 20603180907

Date Collected: 03/17/06 Time: 1045

Date Received: 03/18/06

Date Extracted: 3/18/06

Date Analyzed: 03/20/06 Time: 2054

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM 4.2 SVOA

Analytical Method: ~~SW-846-8270C~~ OLM04.2

Instrument ID: MSSV1

6/2-1/06 MZ

Number TICs Found : 6

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	80-46-6	Phenol, 4-(1,1-dimethylpropyl)	3.986	2.19	
2.	25154-52-3	Phenol, nonyl-	4.008	3.76	
3.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	4.116	2.55	
4.	57-11-4	Octadecanoic acid	5.126	5.5	
5.		Unknown	5.172	4.5	
6.		Unknown	6.668	59.7	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206031809
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: SK-SWEB-1017
Contract:
Lab File ID: 2060320/A0909
Lab Sample ID: 20603180908
Date Collected: 03/17/06 Time: 1300
Date Received: 03/18/06
Date Extracted: 03/18/06
Date Analyzed: 03/20/06 Time: 2109
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV1
Prep Batch: 318089 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SWEB-1017

Contract:

Lab File ID: 2060320/A0909

Lab Sample ID: 20603180908

Date Collected: 03/17/06 Time: 1300

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 2109

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~2.90~~	JB	0.010	10.0	LL
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	0.978	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	11.4		0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
206-44-0	Fluoranthene	10.0	U	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	

6/16/06 MR

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031809

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: SK-SWEB-1017

Contract:

Lab File ID: 2060320/A0909

Lab Sample ID: 20603180908

Date Collected: 03/17/06 Time: 1300

Date Received: 03/18/06

Date Extracted: 03/18/06

Date Analyzed: 03/20/06 Time: 2109

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 318089 Analytical Batch: 318253

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.: 206031809

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: SK-SWEB-1017

Contract:

Lab File ID: 2060320/A0909

Lab Sample ID: 20603180908

Date Collected: 03/17/06 Time: 1300

Date Received: 03/18/06

Date Extracted: 3/18/06

Date Analyzed: 03/20/06 Time: 2109

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM4.2

Instrument ID: MSSV1

5/3/06 MSC

Number TICs Found : 7

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	140-66-9	Phenol, 4-(1,1,3,3-tetramethyl	3.983	2.25	
2.	25154-52-3	Phenol, nonyl-	4.006	3.85	
3.	80-46-6	Phenol, 4-(1,1-dimethylpropyl)	4.028	3.67	
4.	136-83-4	2-Nonylphenol	4.062	1.85	
5.	585-34-2	Phenol, m-tert-butyl-	4.116	2.29	
6.	25154-52-3	Phenol, nonyl-	4.139	2.13	
7.		Unknown	6.674	96.2	

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: 318115 Analytical Batch: 319005

CONCENTRATION UNITS: ug/L

Sample ID: SK-SW52-1017

Contract:

SAS No.: SDG No.: 206031809

Lab Sample ID: 20603180901

Date Collected: 03/17/06 Time: 1120

Date Received: 03/18/06

Date Extracted: 03/19/06

Date Analyzed: 03/28/06 Time: 1641

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

Lab File ID: 2060328/SV18A029

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

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: 318115 Analytical Batch: 319005

Sample ID: SK-SW50-1017
Contract:
SAS No.: SDG No.: 206031809
Lab Sample ID: 20603180902
Date Collected: 03/17/06 Time: 0930
Date Received: 03/18/06
Date Extracted: 03/19/06
Date Analyzed: 03/28/06 Time: 1700
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A030

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

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: 318115 Analytical Batch: 319005

Sample ID: SK-SW51-1017
Contract:
SAS No.: SDG No.: 206031809
Lab Sample ID: 20603180906
Date Collected: 03/17/06 Time: 1035
Date Received: 03/18/06
Date Extracted: 03/19/06
Date Analyzed: 03/28/06 Time: 1738
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

CONCENTRATION UNITS: ug/L
Lab File ID: 2060328/SV18A032

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

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: 318115 Analytical Batch: 319005

CONCENTRATION UNITS: ug/L

Sample ID: SK-SW51DUPE-1017

Contract:

SAS No.: SDG No.: 206031809

Lab Sample ID: 20603180907

Date Collected: 03/17/06 Time: 1045

Date Received: 03/18/06

Date Extracted: 03/19/06

Date Analyzed: 03/28/06 Time: 1815

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

Lab File ID: 2060328/SV18A034

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

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SK-SWEB-1017
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 206031809
Sample wt/vol: 1000 Units: mL
Lab Sample ID: 20603180908
Level: (low/med) LOW
Date Collected: 03/17/06 Time: 1300
% Moisture: decanted: (Y/N)
Date Received: 03/18/06
GC Column: ID: (mm)
Date Extracted: 03/19/06
Concentrated Extract Volume: 1000 (µL)
Date Analyzed: 03/28/06 Time: 1833
Soil Aliquot Volume: (µL)
Dilution Factor: 1 Analyst: DLB
Injection Volume: 1 (µL)
Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:
Analytical Method: OLMO 4.2
Prep Batch: 318115 Analytical Batch: 319005
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L
Lab File ID: 2060328/SV18A035

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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6/19/06 MR

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: 319973 Analytical Batch: 319005

CONCENTRATION UNITS: ug/L

Sample ID: SK-SWEB-1017 (RE)

Contract:

SAS No.: SDG No.: 206031809

Lab Sample ID: 20603180917

Date Collected: 03/17/06 Time: 1300

Date Received: 03/18/06

Date Extracted: 03/29/06

Date Analyzed: 03/31/06 Time: 1011

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

Lab File ID: 2060328/SV18A051

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

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

SOW No.:

EPA Sample No	Lab Sample ID
SK-SW52-1017	20603180901
SK-SW50-1017	20603180902
SK-SW50MS-1017	20603180903
SK-SW50DUP-1017	20603180905
SK-SW51-1017	20603180906
SK-SW51DUPE-1017	20603180907
SK-SWEB-1017	20603180908
SK-SW52-1017(DISS)	20603180910
SK-SW50-1017(DISS)	20603180911
SK-SW50MS-1017(DISS)	20603180912
SK-SW50DUP-1017(DISS)	20603180913
SK-SW51-1017(DISS)	20603180914
SK-SW51DUPE-1017(DISS)	20603180915
SK-SW51EB-1017(DISS)	20603180916

Were ICP interelement corrections applied ? Yes / No YES

Were ICP background corrections applied ? Yes / No YES

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

Comments:

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

Signature: Karen Melerine Name: Karen Melerine

Date:: 5-9-04 Title: Group Leader - Metals

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW52-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180901

Level: (low / med) Date Received: 03/18/06

% 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~~	~~5.2~~	~~B~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	UJ
7440-39-3	Barium	45.8	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	110000			P	
7440-47-3	Chromium	4.3	B		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	46.3	B		P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	29900			P	
7439-96-5	Manganese	6.6	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	1830	B		P	
7782-49-2	Selenium	7.5		N	P	J
7440-22-4	Silver	2.3	B		P	
7440-23-5	Sodium	39400			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	1.9	B		P	
7440-66-6	Zinc	5.0	B		P	
57-12-5	Cyanide	2.2	B		AS	

6/19/06 MEM

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.

SK-SW50-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180902

Level: (low / med) Date Received: 03/18/06

% 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~~	~~6.6~~	~~B~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	UJ
7440-39-3	Barium	42.9	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.4	B		P	
7440-70-2	Calcium	104000			P	
7440-47-3	Chromium	2.9	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	N	P	UJ
7439-95-4	Magnesium	27800			P	
7439-96-5	Manganese	1.4	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	1600	B		P	
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	38600			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	2.1	B		P	
7440-66-6	Zinc	6.6	B		P	
57-12-5	Cyanide	1.5	B		AS	

6/19/06 mk

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.

SK-SW50DUP-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180905

Level: (low / med) Date Received: 03/18/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	48.3	B		P	
~~7440-36-0~~	~~Antimony~~	~~4.0~~	~~U~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	UJ
7440-39-3	Barium	41.0	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	91600			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	84.0	B		P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	24300			P	
7439-96-5	Manganese	5.7	B		P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2240	B		P	
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	1.1	U		P	UJ
7440-23-5	Sodium	35800			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	2.7	B		P	
7440-66-6	Zinc	1.3	B		P	
57-12-5	Cyanide	1.2	B		AS	

6/19/06 MT

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.

SK-SW51-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180906

Level: (low / med) Date Received: 03/18/06

% 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~~	~~4.0~~	~~U~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	UJ
7440-39-3	Barium	41.9	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	101000			P	
7440-47-3	Chromium	3.3	B		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	57.4	B		P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	27300			P	
7439-96-5	Manganese	5.5	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	1690	B		P	
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	35600			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	2.0	B		P	
7440-66-6	Zinc	5.8	B		P	
57-12-5	Cyanide	0.6	U		AS	

6/19/06 MSL

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.

SK-SW51DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180907

Level: (low / med) Date Received: 03/18/06

% 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~~	~~4.0~~	~~U~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	US
7440-39-3	Barium	41.3	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	99300			P	
7440-47-3	Chromium	3.2	B		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	52.8	B		P	
7439-92-1	Lead	1.4	U	N	P	US
7439-95-4	Magnesium	26400			P	
7439-96-5	Manganese	5.2	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	1760	B		P	
7782-49-2	Selenium	3.5	U	N	P	US
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	35500			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	2.7	B		P	
7440-66-6	Zinc	5.3	B		P	
57-12-5	Cyanide	0.7	B		AS	

6/19/06
MSU

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.

SK-SWEB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No : 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180908

Level: (low / med) Date Received: 03/18/06

% 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~~	~~4.0~~	~~U~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	UJ
7440-39-3	Barium	0.2	U		P	
7440-41-7	Beryllium	0.2	B		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	18.2	U		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	12.8	B		P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	20.0	B		P	
7439-96-5	Manganese	0.1	U		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	UJ
7440-22-4	Silver	1.1	U		P	UJ
7440-23-5	Sodium	46.3	U		P	
7440-28-0	Thallium	4.7	B		P	
7440-62-2	Vanadium	0.6	U		P	
7440-66-6	Zinc	1.1	U		P	
57-12-5	Cyanide	0.6	U		AS	

6/19/06 MJL

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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

EPA SAMPLE NO.

SK-SW52-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180910

Level: (low / med) Date Received: 03/18/06

% 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~~	~~4.0~~	~~U~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	UJ
7440-39-3	Barium	41.1	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	99500			P	
7440-47-3	Chromium	3.9	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	N	P	UJ
7439-95-4	Magnesium	27100			P	
7439-96-5	Manganese	3.5	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	1470	B		P	
7782-49-2	Selenium	3.5	U	N	P	UJ
7440-22-4	Silver	2.0	B		P	
7440-23-5	Sodium	35000			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	2.0	B		P	
7440-66-6	Zinc	6.1	B		P	

6/19/06 mc

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.

SK-SW50-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180911

Level: (low / med) Date Received: 03/18/06

% 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~~	~~4.7~~	~~B~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	WS
7440-39-3	Barium	43.4	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	99500			P	
7440-47-3	Chromium	3.0	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	N	P	WS
7439-95-4	Magnesium	27000			P	
7439-96-5	Manganese	4.4	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	1620	B		P	
7782-49-2	Selenium	3.5	U	N	P	WS
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	37700			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	2.6	B		P	
7440-66-6	Zinc	7.9	B		P	

6/19/06 MR

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.

SK-SW50DUP-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180913

Level: (low / med) Date Received: 03/18/06

% 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~~	~~4.0~~	~~U~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	UJ
7440-39-3	Barium	40.9	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	90300			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	10.8	B		P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	24200			P	
7439-96-5	Manganese	1.5	B		P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2240	B		P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	UJ
7440-23-5	Sodium	35600			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	1.7	B		P	
7440-66-6	Zinc	1.5	B		P	

6/19/06 MCL

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.

SK-SW51-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No : 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180914

Level: (low / med) Date Received: 03/18/06

% 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~~	~~4.0~~	~~U~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	UJ
7440-39-3	Barium	42.1	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	101000			P	
7440-47-3	Chromium	2.8	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	N	P	UJ
7439-95-4	Magnesium	27100			P	
7439-96-5	Manganese	2.9	B		P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2070	B		P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	~~UJ~~
7440-23-5	Sodium	36400			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	2.3	B		P	
7440-66-6	Zinc	4.1	B		P	

6/19/06 [illegible]

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.

SK-SW51DUPE-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180915

Level: (low / med) Date Received: 03/18/06

% 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~~	~~7.2~~	~~B~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	WS
7440-39-3	Barium	40.0	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	95800			P	
7440-47-3	Chromium	3.4	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	N	P	WJ
7439-95-4	Magnesium	25700			P	
7439-96-5	Manganese	2.9	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	1940	B		P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.7	B		P	
7440-23-5	Sodium	36100			P	
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	1.7	B		P	
7440-66-6	Zinc	6.6	B		P	

6/19/06 [illegible]

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.

SK-SW51EB-1017(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031809

Matrix: (soil / water) Water Lab Sample ID: 20603180916

Level: (low / med) Date Received: 03/18/06

% 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~~	~~4.0~~	~~U~~		~~P~~	
7440-38-2	Arsenic	3.8	U	N	P	UJ
7440-39-3	Barium	0.2	U		P	
7440-41-7	Beryllium	0.2	B		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	18.2	U		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	15.8	B		P	
7439-92-1	Lead	1.4	U	N	P	UJ
7439-95-4	Magnesium	22.2	B		P	
7439-96-5	Manganese	0.1	U		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	R
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	1.1	U		P	

6/19/06 mc

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			
Earth Tech	4342	206031809	
Client Name	Client #	Workorder #	Due Date

Report to:
Client: Earth Tech
Address: 2573 Progress Drive
Hebron Ky 41048
Contact: Pat Higgins
Phone: 859 | 442-2300
Fax: 859 | 442-2311

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 1 Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

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	PCB's	Pesticides	Total metals	Dissolved metals	Cyanide		D.SS	Remarks:	Lab ID
SW	3/17	1120		X	SK-SW52-1017	Various	10	X	X	X	X	X	X	X		10	Refer to Table 7	1
		0930			SK-SW50-1017	HCL	3										(TCL) and Table 8	2
		0940			SK-SW50MS-1017												(TAL) of the	3
		0950			SK-SW50 MSD-1017												Final QAPP	4
		1035			SK-SW51-1017												Plan for the	6
		1045			SK-SW51 Dupe-1017												Complete list	7
		1300			SK-SWEB-1017												of analytes	8
																	MBLK	9

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/17/06	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Feeley	MK	3-18-06	930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
* Standard Turnaround
* Samples sent via FED EX - priority overnight delivery

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

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

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	206031809	

Report to:
Client: Earth Tech
Address: 2373 Progress Drive
Hebron KY 41048
Contact: Pat Higgins
Phone: 859) ~~[illegible]~~ 442-2300
Fax: 859) 442-2311

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 1 Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

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	PCB's	Pesticide	Total Metals	Dissolved Metals	Cyanide			D.S.S	Remarks:	Lab ID
SW	3/17	0940		X	SK-SW50MS-1017	Various	7	X	X	X	X	X	X			12	Refer to Table 7	-3
SW	3/17	0950		X	SK-SW50MSD-1017	Various	7	X	X	X	X	X	X			13	(TCL) and	4, 5 DUP
																	Table 8 (TAL)	
																	of The Final	
																	O&M Plan for	
																	The complete	
																	list of analytes	

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/17/06	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex	[illegible]	3/18/06	930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
* STANDARD Turnaround
* Samples sent via FED EX - Priority overnight Delivery

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

GCAL-06 11/98

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Lab use only

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Contact: Pat Higgins
Phone: 859 442-2300
Fax: 859 442-2311

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

P.O. Number: 54280.01
Project Name/Number: Shinner Landfill - 1 Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

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	PCB's	Pesticides	Total Metals	Dissolved metals	Cyanide			DSS	Remarks:	Lab ID
SW	3/17	1035		X	Sk-SW51-1017	Various	7	X	X	X	X	X	X			14	Refer to Table 7	6
SW	3/17	1045		X	Sk-SW51 Dupe-1017	Various	7	X	X	X	X	X	X			15	(TCL) and	7
																	Table 8 (TAL)	
																	of The Final	
																	O&M Plan	
																	for The complete	
																	list of analytes	

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/17/06	1900
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex	[illegible]	3-18-06	9:3
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: * Standard Turnaround
* Samples sent via FED EX via priority overnight delivery

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

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

GCAL-06 11/98

GCAL

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CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
Earth Tech	4342	206031869	

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:
Address: Calenn Springs
Contact: Contract
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Shinner Landfill - 1 Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

Analytical Requests & Method

Lab use only:
Custody Seal used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 5

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
SW	3/17	0930		X	SK-SW50-1017	Various	7	X	X	X	X	X	X			11	Refer to Table 7 (TLL) and Table 8 (TAL) of the Final O&M Plan for the complete list of analytes	2
SW	3/17	1300		X	SK SW6TR-1017	Various	7	X	X	X	X	X	X			16		8

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/17/06	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Feder	MK	3-18-06	930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: * Standard Turnaround
* Samples Sent Via FED EX - Priority overnight delivery

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We cannot accept verbal changes. Please fax written changes to (225) 767-5717

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

GCAL-06 11/98

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 54280

LABORATORY REPORT NUMBER 206031509

PROJECT MANAGER: Ron Rolker

Date: May 17, 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 206031509 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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) 206031509.

GCAL #	Sample Description
20603150901	SK-SWD01-1017
20603150902	SK-SWD02-1017
20603150903	SK-SWD03-1017
20603150904	SK-SWD03DUPE-1017
20603150905	SK-SWD03MS-1017
20603150907	SK-SWD03DUP-1017
20603150912	SK-SWD01-1017 (DISS)
20603150913	SK-SWD02-1017 (DISS)
20603150914	SK-SWD03-1017 (DISS)
20603150915	SK-SWD03DUPE-1017 (DISS)
20603150916	SK-SWD03MS-1017(DISS)
20603150917	SK-SWD03DUP-1017 (DISS)

INTRODUCTION

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

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

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

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

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

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

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

1. Holding Times
2. Calibration
   A. Initial Calibration (IC)
   B. Continuing Calibration (CC)
3. Blanks
4. Inductively Coupled Plasma (ICP) Interference Check Sample
5. Laboratory Control Sample (LCS)
6. Duplicate Analysis
7. Spike Sample Analysis
8. ICP Serial Dilution
9. System Performance
10. Documentation
11. Overall Assessment

1. HOLDING TIMES

All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol.

Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. CALIBRATION

A. Initial Calibration

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

B. Continuing Calibration

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

3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL) with the exception of Selenium (-6.0 ppb) in the PB. As per the National Functional Guidelines; if any analyte concentration in the PB is above the CRDL, the lowest concentration of that analyte in the associated samples must be 10 times the PB concentration. Otherwise, all samples associated with that blank should have been redigested and reanalyzed. Sample results greater than the IDL but less than 5 times the amount found in any blank should be qualified as "U".

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 SK-SWD03-1017 (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 RPD falls outside of the acceptance criteria then qualify results for that analyte with "J".

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-SWD03-1017 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Aluminum (66%) and Selenium (0%) in the total fraction and Selenium (0%) in the dissolved fraction. As per the National Functional Guidelines, if the percent recovery is less than 30% qualify results greater than the IDL with "J" and reject non-detected results. If the percent recovery is greater than 30% but less than 75% qualify results greater than the IDL 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 Aluminum, Barium, Iron, Manganese, Potassium, and Sodium associated with the total fraction and Barium, Calcium, Magnesium, Potassium, and Sodium 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

GCAL qualified the total results for Vanadium and Zinc and the dissolved results for Manganese with and "E". The original concentration for Vanadium, Zinc, and Manganese did not meet the criteria of greater than fifty times the IDL and therefore the results should not have been qualified with an "E" qualifier. The data validator made the correction manually.

GCAL did not qualify the Aluminum, Barium, Iron, Manganese, Potassium, and Sodium associated with the total fraction and Barium, Calcium, Magnesium, Potassium, and Sodium associated with the dissolved fraction even though the ICP serial dilution percent difference exceeded the acceptance criteria.

11. OVERALL ASSESSMENT

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 4/8/06 were 131, 134%, 65%, and 75%.

As per the National Functional Guidelines, if the CRDL is below 80% then detected results are qualified as estimated with "J" and non-detected results with "UJ". If the CRDL is above 120% then detected results are qualified as estimated with "J".

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards analyzed on 4/8/06 were 96%, 93%, 134% and 103%. As per the National Functional Guidelines, if the CRDL is above 120% then detected results are qualified as estimated with "J".

The percent recoveries for Manganese in the Contract Required Detection Limit (CRDL) standards analyzed on 4/8/06 were 109%, 111%, 118%, and 121%. As per the National Functional Guidelines, if the CRDL is above 120% then detected results are qualified as estimated with "J".

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 4/8/06 were 86%, 112%, 119%, and 147%. As per the National Functional Guidelines, if the CRDL is above 120% then detected results are qualified as estimated with "J".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 206031509 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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 206031509.

GCAL #	Sample Description
20603150901	SK-SWD01-1017
20603150902	SK-SWD02-1017
20603150903	SK-SWD03-1017
20603150904	SK-SWD03DUPE-1017
20603150905	SK-SWD03MS-1017
20603150906	SK-SWD03MSD-1017

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 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 MSSV1. One decafluorotriphenylphosphine (DFTPP) tune was run representing the shift in which the standards and samples were analyzed. The DFTPP tune is acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 3/20/06 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's were within the acceptance criteria specified in the method for all target compounds

B. Continuing Calibration

One CC dated 3/20/06 was 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's were within the acceptance criteria.

4. BLANKS

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

Method Blank (MB347404)

Bis-(2-ethylhexyl) phthalate (2.13 ppb) was detected in the blank extracted on 3/15/06.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits.

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

Sample SK-SWD03-1017 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas and Retention Times (RT) were within the acceptance limits for the reported semivolatile sample.

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

There was no extraction date or preparation method listed on Form I SV-TIC. 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 206031509 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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 206031509.

GCAL #	Sample Description
20603150901	SK-SWD01-1017
20603150902	SK-SWD02-1017
20603150903	SK-SWD03-1017
20603150904	SK-SWD03DUPE-1017
20603150905	SK-SWD03MS-1017
20603150906	SK-SWD03MSD-1017
20603150910	SK-TB-1017

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 GC/MS systems, identified as MSV4 and MSV7. One bromofluorobenzene (BFB) tune was run on MSV7 and two BFB tunes were run on MSV4. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 3/21/06 was analyzed on instrument MSV7 and one IC dated 3/22/06 was analyzed on instrument MSV4 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The %RSD's were within the acceptance criteria specified in the method for all target analytes associated with the IC dated 3/21/06 with the exception of Bromoform. The data validator dropped the highest point of the calibration curve and recalculated the %RSD. The recalculated %RSD is within the acceptance criteria.

The RRF's and the average RRF for the IC were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone associated with the IC dated 3/22/06.

The %RSD's were within the acceptance criteria specified in the method for all target analytes associated with the IC date 3/22/06 with the exception of 1,2,4-Trichlorobenzene. As per the National Functional Guidelines if the %RSD is greater than 30% then qualify detected results for the compound with "J".

B. Continuing Calibration

One CC dated 3/23/06 was 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 Acetone, 4-methyl-2-pentanone, 2-Hexanone, and 1,2,4-Trichlorobenzene. The CC RRF's for the CC were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone, 2-Butanone, 4-methyl-2-pentanone, and 2-Hexanone.

One CC dated 3/21/06 was analyzed on instrument MSV7 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 were within the acceptance criteria specified in the method for all target compounds.

As per the National Functional Guidelines, if the %D is outside the +/- 25% criteria then qualify positive results with "J" and non-detected results with "UJ". If the CC RF is less than the acceptance criteria then qualify detected results with "J" and non-detected results with "R".

4. BLANKS

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

MB349610

Acetone was detected at a concentration of 0.81 ppb in the method blank analyzed on 3/21/06 (1719).

MB350351

There were no compounds detected above the Reporting Limit (RL) in the method blank analyzed on 3/23/06 (0920).

Storage Blank (VHBLK)

There were no compounds detected above the Reporting Limit (RL) in the Storage Blank analyzed on 3/23/06.

SK-TB-1017

There were no compounds detected above the Reporting Limit (RL) in the Trip Blank.

5. SYSTEM MONITORING COMPOUND RECOVERY

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

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SWD03-1017 was submitted for the MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. The RPD between 6 of the 12 compounds were outside of the acceptance criteria. As per the National Functional Guidelines, no action is taken from the MS/MSD data alone.

7. LABORATORY CONTROL SAMPLE

One Laboratory Control Sample was 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. It should be noted that although Acetone was not detected in the method blank analyzed in association with sample SK-SWD03-1017 it is a common laboratory contaminant.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 206031509 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in March 2006, 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 206031509.

GCAL #	Sample Description
20603150901	SK-SWD01-1017
20603150902	SK-SWD02-1017
20603150903	SK-SWD03-1017
20603150904	SK-SWD03DUPE-1017
20603150905	SK-SWD03MS-1017
20603150906	SK-SWD03MSD-1017

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

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time with the exception of sample SK-SWD03-1017, SK-SWD03-1017MS, and SK-SWD03-1017MSD. As per the National Functional Guidelines, if the recommended holding is exceeded then qualify detected results for that sample with "J" and non-detected result with "UJ".

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 verifications with the exception of beta-BHC, 4,4'-DDT, and Methoxychlor associated with PEM05 analyzed on GC column RTX-XLB on 3/28/06 at 2122. As per the National Functional Guidelines, if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all associated positive quantitative results with "J" and the sample quantitation limits for non-detects with "UJ".

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 associated with INDAM03 analyzed on GC column RTX-XLB on 3/28/06 at 1929. As per the National Functional Guidelines, if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all associated positive quantitative results with "J" and the sample quantitation limits for non-detects with "UJ".

5. BLANKS

Two laboratory method blanks were analyzed with this SDG. The results are summarized below.

<u>Method Blank 347557</u>

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 3/15/06.

Method Blank 373781

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 3/24/06.

6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples with the exception of DCB associated with sample SK-SWD03DUPE-1017 (184%). As per the National Functional Guidelines, if either surrogate exceeds the upper acceptance limit then qualify detected results for that sample with "J".

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SWD03-1017 was submitted for MS/MSD analysis. The MS percent recoveries were within the acceptance criteria with the exception of Lindane (38%). All of the percent recoveris for the MSD were outside of the acceptance criteria as well as all the RPD between the MS/MSD results were outside of the acceptance criteria. The MS/MSD was re-extracted and re-analyzed with all of the percent recoveries being within the acceptance criteria with the exception of Lindane (44%/39%). 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

GCAL used the average calibration factor when calculating the quantitative results for the pesticides when the midpoint calibration factor should have been used. The data validator contacted GCAL and GCAL re-quantified the results using the correct calibration factor and re-submitted the corrected pages.

11. DOCUMENTATION

GCAL listed the time of injection for PEM05 dated 3/28/06 as 2141 when it should have been listed as 2122. The data validator manually made the correction. The extraction date was not listed on Pesticide Method Blank Summary for Lab Sample 347557 (page 270) of SGD 206031509. The data validator manually made the correction.

12. OVERALL ASSESSMENT

The results are acceptable as qualified by the data validator.

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 05/30/2006

GCAL Report 206031509

RESUBMITTED

Deliver To	Earth Tech 1455 Old Alabama Rd Suite 170 Roswell, GA 30076 770-990-1400
Attn	Mark Kromis

Customer Earth Tech

Project Skinner Landfill

CASE NARRATIVE

Client: Earth Tech **Report:** 206031509

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.

Selected pages of the report are resubmitted to include corrections requested by the client. In the OLC02.1 – CLP Volatiles analysis, MB 349610 Form I and raw data are resubmitted to include an estimated value for acetone. In the OLM04.2 - CLP Pest/PCB analysis additional sample results are submitted for sample 20603150903 and associated MS/MSD. These samples were re-prepped outside of holding time and both runs are reported. Associated forms are resubmitted to include the additional analyses. Additionally the result for Heptachlor in sample 20603150903 is resubmitted. In the ILM04.1 - CLP Metals analysis, the Form I, Form II and Form III are resubmitted.

Selected pages are resubmitted on 06/28/06 to include corrections requested by the client. Samples 20603150903, 20603150905, 20603150906, 20603150918, 20603150919, 20603150920, and MB 373781 are resubmitted. These samples have been re-evaluated to use the RF of the ICAL midpoint as required by the method. The associated form II, III, and X are also resubmitted.

VOLATILES MASS SPECTROMETRY

In the OLC02.1 – CLP Volatiles analysis, 1,4-Dichlorobenzene d-4 exceeded the 40 percent inclusive range for its mean response in the 1ppb calibration standard associated with analytical batch 318474. All % RSD and response factor criteria were met in the initial calibration.

In the OLC02.1 – CLP Volatiles analysis, the MS/MSD exhibited RPD failures. However, all recoveries were within limits.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis of sample 20603150904 (SK-SWD03DUPE-1017), the surrogate recovery for Decachlorobiphenyl was above QC limits; however, there were no target analytes present in the sample so the data was not affected.

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 319002, 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 318322, the MS and/or MSD recovery was outside the control limits for Aluminum and Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. 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 Arsenic, Chromium, Copper, Zinc, Aluminum, Chromium, Cobalt and Nickel 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, Aluminum, Barium, Dissolved Barium, Dissolved Calcium, Iron, Dissolved Magnesium, Manganese, Dissolved Manganese, Potassium, Dissolved Potassium, Sodium, Dissolved Sodium, Vanadium and Zinc are flagged as estimated for samples associated with prep batch 318322 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 result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

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

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

Curtis Ekker

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206031509

THIS REPORT CONTAINS 10/7 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20603150901	SKSWD01-1017	Water	03/13/2006 13:35	03/15/2006 09:30
20603150902	SK-SWD02-1017	Water	03/13/2006 14:05	03/15/2006 09:30
20603150903	SK-SWD03-1017	Water	03/13/2006 14:40	03/15/2006 09:30
20603150904	SK-SWD03DUPE-1017	Water	03/13/2006 14:50	03/15/2006 09:30
20603150905	SK-SWD03MS-1017	Water	03/13/2006 15:20	03/15/2006 09:30
20603150906	SK-SWD03MSD-1017	Water	03/13/2006 15:30	03/15/2006 09:30
20603150907	SK-SWD03DUP-1017	Water	03/13/2006 15:30	03/15/2006 09:30
20603150910	SK-TB-1017	Water		03/15/2006 09:30
20603150911	VHBLK	Water		03/15/2006 09:30
20603150912	SK-SWD01-1017 (DISS)	Water	03/13/2006 13:35	03/15/2006 09:30
20603150913	SK-SWD02-1017 (DISS)	Water	03/13/2006 14:05	03/15/2006 09:30
20603150914	SK-SWD03-1017 (DISS)	Water	03/13/2006 14:40	03/15/2006 09:30
20603150915	SK-SWD03DUPE-1017 (DISS)	Water	03/13/2006 14:50	03/15/2006 09:30
20603150916	SK-SWD03MS-1017 (DISS)	Water	03/13/2006 15:20	03/15/2006 09:30
20603150917	SK-SWD03DUP-1017 (DISS)	Water	03/13/2006 15:30	03/15/2006 09:30

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSWD01-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150901

Level: (low/med) Lab File ID: 2060323/V0970

% Moisture: not dec. Date Collected: 03/13/06 Time: 1335

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1150

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
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

4/18/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSWD01-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150901

Level: (low/med) Lab File ID: 2060323/V0970

% Moisture: not dec. Date Collected: 03/13/06 Time: 1335

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1150

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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.
SKSWD01-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: Water Lab Sample ID: 20603150901

Sample wt/vol: Units: Lab File ID: 2060323/V0970

Level: (low/med) Date Collected: 03/13/06 Time: 1335

% Moisture: not dec. Date Received: 03/15/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1150

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.	115-10-6	Dimethyl ether	1.555	1.27	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SWD02-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil/water) Water

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

Lab Sample ID: 20603150902

Level: (low/med)

Lab File ID: 2060323/V0971

% Moisture: not dec.

Date Collected: 03/13/06 Time: 1405

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

Date Received: 03/15/06

Instrument ID: MSV4

Date Analyzed: 03/23/06 Time: 1213

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ABD

Soil Aliquot Volume: (µL)

Prep Batch:

Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

FORM I VOA

6/8/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SWD02-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150902

Level: (low/med) Lab File ID: 2060323/V0971

% Moisture: not dec. Date Collected: 03/13/06 Time: 1405

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1213

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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.
SK-SWD02-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: Water Lab Sample ID: 20603150902

Sample wt/vol: Units: Lab File ID: 2060323/V0971

Level: (low/med) Date Collected: 03/13/06 Time: 1405

% Moisture: not dec. Date Received: 03/15/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1213

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Dimethyl ether	1.554	1.88	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SWD03-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150903

Level: (low/med) Lab File ID: 2060321/A5140

% Moisture: not dec. Date Collected: 03/13/06 Time: 1440

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV7 Date Analyzed: 03/21/06 Time: 1938

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318318

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
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	3.1	J	0.010	5.0
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SWD03-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150903

Level: (low/med) Lab File ID: 2060321/A5140

% Moisture: not dec. Date Collected: 03/13/06 Time: 1440

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV7 Date Analyzed: 03/21/06 Time: 1938

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318318

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.
SK-SWD03-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: Water Lab Sample ID: 20603150903

Sample wt/vol: Units: Lab File ID: 2060321/A5140

Level: (low/med) Date Collected: 03/13/06 Time: 1440

% Moisture: not dec. Date Received: 03/15/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/21/06 Time: 1938

Instrument ID: MSV7 Dilution Factor: 1 Analyst: AJV

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.

SK-SWD03DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150904

Level: (low/med) Lab File ID: 2060323/V0972

% Moisture: not dec. Date Collected: 03/13/06 Time: 1450

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1236

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

FORM I VOA

6/8/06 mk

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SWD03DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 20603150 9

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150904

Level: (low/med) Lab File ID: 2060323/V0972

% Moisture: not dec. Date Collected: 03/13/06 Time: 1450

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1236

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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.
SK-SWD03DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: Water Lab Sample ID: 20603150904

Sample wt/vol: Units: Lab File ID: 2060323/V0972

Level: (low/med) Date Collected: 03/13/06 Time: 1450

% Moisture: not dec. Date Received: 03/15/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1236

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Dimethyl ether	1.555	1.62	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 20603150 9

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150910

Level: (low/med) Lab File ID: 2060323/V0975

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1345

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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	R
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	R
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20603150910

Level: (low/med) Lab File ID: 2060323/V0975

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 03/15/06

Instrument ID: MSV4 Date Analyzed: 03/23/06 Time: 1345

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 318474

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.
SK-TB-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: Water Lab Sample ID: 20603150910

Sample wt/vol: Units: Lab File ID: 2060323/V0975

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

% Moisture: not dec. Date Received: 03/15/06

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 03/23/06 Time: 1345

Instrument ID: MSV4 Dilution Factor: 1 Analyst: ABD

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 2

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	115-10-6	Dimethyl ether	1.556	1.53	
2.	462-06-6	Benzene, fluoro-	4.74	.302	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031509

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: SKSWD01-1017

Contract:

Lab File ID: 2060320/A0882

Lab Sample ID: 20603150901

Date Collected: 03/13/06 Time: 1335

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1408

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031509

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: SKSWD01-1017

Contract:

Lab File ID: 2060320/A0882

Lab Sample ID: 20603150901

Date Collected: 03/13/06 Time: 1335

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1408

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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

6/8/06

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031509

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: SKSWD01-1017

Contract:

Lab File ID: 2060320/A0882

Lab Sample ID: 20603150901

Date Collected: 03/13/06 Time: 1335

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1408

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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.: 206031509

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: SKSWD01-1017

Contract:

Lab File ID: 2060320/A0882

Lab Sample ID: 20603150901

Date Collected: 03/13/06 Time: 1335

Date Received: 03/15/06

Date Extracted: 3/15/06

Date Analyzed: 03/20/06 Time: 1408

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

3/31/06 MS

Number TICs Found : 3

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	57-10-3	Hexadecanoic acid	4.641	5.21	
2.	57-11-4	Octadecanoic acid	5.121	1.36	
3.	301-02-0	9-Octadecenamide, (Z)-	5.606	1.31	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031509

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: SK-SWD02-1017

Contract:

Lab File ID: 2060320/A0883

Lab Sample ID: 20603150902

Date Collected: 03/13/06 Time: 1405

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1423

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031509

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: SK-SWD02-1017

Contract:

Lab File ID: 2060320/A0883

Lab Sample ID: 20603150902

Date Collected: 03/13/06 Time: 1405

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1423

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~2.28~~	JB	0.010	10.0	u
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0	
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0	
86-74-8	Carbazole	10.0	U	0.010	10.0	
218-01-9	Chrysene	10.0	U	0.010	10.0	
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0	
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0	
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0	
132-64-9	Dibenzofuran	10.0	U	0.010	10.0	
84-66-2	Diethylphthalate	10.0	U	0.010	10.0	
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0	
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0	
206-44-0	Fluoranthene	10.0	U	0.010	10.0	
86-73-7	Fluorene	10.0	U	0.010	10.0	
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0	
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0	
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0	
67-72-1	Hexachloroethane	10.0	U	0.010	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0	
78-59-1	Isophorone	10.0	U	0.010	10.0	
91-20-3	Naphthalene	10.0	U	0.010	10.0	
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0	
98-95-3	Nitrobenzene	10.0	U	0.010	10.0	
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0	
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0	
85-01-8	Phenanthrene	10.0	U	0.010	10.0	
108-95-2	Phenol	10.0	U	0.010	10.0	
129-00-0	Pyrene	10.0	U	0.010	10.0	
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031509

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: SK-SWD02-1017

Contract:

Lab File ID: 2060320/A0883

Lab Sample ID: 20603150902

Date Collected: 03/13/06 Time: 1405

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1423

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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.: 206031509

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: ID: (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-SWD02-1017

Contract:

Lab File ID:

Lab Sample ID: 20603150902

Date Collected: 03/13/06 Time: 1405

Date Received: 03/15/06

Date Extracted: 3/15/06

Date Analyzed: 03/20/06 Time: 1423

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

5/31/06

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.: 206031509

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: SK-SWD03-1017

Contract:

Lab File ID: 2060320/A0884

Lab Sample ID: 20603150903

Date Collected: 03/13/06 Time: 1440

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1439

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031509

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: SK-SWD03-1017

Contract:

Lab File ID: 2060320/A0884

Lab Sample ID: 20603150903

Date Collected: 03/13/06 Time: 1440

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1439

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~1.55~~	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

6/8/06 MR

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031509

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: SK-SWD03-1017

Contract:

Lab File ID: 2060320/A0884

Lab Sample ID: 20603150903

Date Collected: 03/13/06 Time: 1440

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1439

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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.: 206031509

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: ID: (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-SWD03-1017

Contract:

Lab File ID:

Lab Sample ID: 20603150903

Date Collected: 03/13/06 Time: 1440

Date Received: 03/15/06

Date Extracted: 3/15/06

Date Analyzed: 03/20/06 Time: 1439

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM4.2 SW0A

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

5/31/06

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.: 206031509

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: SK-SWD03DUPE-1017

Contract:

Lab File ID: 2060320/A0885

Lab Sample ID: 20603150904

Date Collected: 03/13/06 Time: 1450

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1454

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031509

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: SK-SWD03DUPE-1017

Contract:

Lab File ID: 2060320/A0885

Lab Sample ID: 20603150904

Date Collected: 03/13/06 Time: 1450

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1454

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 ~~1.54~~	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

4/18/06 MN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206031509

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: SK-SWD03DUPE-1017

Contract:

Lab File ID: 2060320/A0885

Lab Sample ID: 20603150904

Date Collected: 03/13/06 Time: 1450

Date Received: 03/15/06

Date Extracted: 03/15/06

Date Analyzed: 03/20/06 Time: 1454

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV1

Prep Batch: 317860 Analytical Batch: 318253

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.: 206031509

Matrix: Water

Sample wt/vol: Units:

Level: (low/med)

% Moisture: not dec.

GC Column: ID: (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-SWD03DUPE-1017

Contract:

Lab File ID:

Lab Sample ID: 20603150904

Date Collected: 03/13/06 Time: 1450

Date Received: 03/15/06

Date Extracted: 3/15/06

Date Analyzed: 03/20/06 Time: 1454

Dilution Factor: 1 Analyst: RLW

Prep Method: OLM 4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM04.2

Instrument ID: MSSV1

Number TICs Found : 0

CONCENTRATION UNITS:ug/L

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

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: 317885 Analytical Batch: 319005

Sample ID: SKSWD01-1017
Contract:
SAS No.: SDG No.: 206031509
Lab Sample ID: 20603150901
Date Collected: 03/13/06 Time: 1335
Date Received: 03/15/06
Date Extracted: 03/15/06
Date Analyzed: 03/28/06 Time: 0854
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A004

CONCENTRATION UNITS: ug/L

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

revised

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: 317885 Analytical Batch: 319005

Sample ID: SK-SWD02-1017
Contract:
SAS No.: SDG No.: 206031509
Lab Sample ID: 20603150902
Date Collected: 03/13/06 Time: 1405
Date Received: 03/15/06
Date Extracted: 03/15/06
Date Analyzed: 03/28/06 Time: 0912
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A005

CONCENTRATION UNITS: ug/L

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

revised

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: 317885 Analytical Batch: 319005

Sample ID: SK-SWD03-1017
Contract:
SAS No.: SDG No.: 206031509
Lab Sample ID: 20603150903
Date Collected: 03/13/06 Time: 1440
Date Received: 03/15/06
Date Extracted: 03/15/06
Date Analyzed: 03/28/06 Time: 0931
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2060328/SV18A006

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
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
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
319-85-7	beta-BHC	0.050	U	0.000100	0.050
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
76-44-8	Heptachlor	0.00350	J	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
309-00-2	Aldrin	0.050	U	0.000100	0.050
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100

revised 7/7/06 mr

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: 323928 Analytical Batch: 324200

CONCENTRATION UNITS: ug/L

Sample ID: SK-SWD03-1017 (RE)

Contract:

SAS No.: SDG No.: 206031509

Lab Sample ID: 20603150919

Date Collected: 03/13/06 Time: 1440

Date Received: 03/15/06

Date Extracted: 03/24/06

Date Analyzed: 03/28/06 Time: 2007

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

Lab File ID: 2060328/SV18A040

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
1031-07-8	Endosulfan sulfate	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	
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	
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100	
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100	
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050	
72-20-8	Endrin	0.100	U	0.000100	0.100	
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050	
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100	
76-44-8	Heptachlor	0.010	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	
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100	
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050	
959-98-8	Endosulfan I	0.050	U	0.000100	0.050	
319-86-8	delta-BHC	0.050	U	0.000100	0.050	
319-85-7	beta-BHC	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	
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00	
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00	

7/7/06

FORM I ORG-1

000283A

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1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 317885 Analytical Batch: 319005

Sample ID: SK-SWD03DUPE-1017
Contract:
SAS No.: SDG No.: 206031509
Lab Sample ID: 20603150904
Date Collected: 03/13/06 Time: 1450
Date Received: 03/15/06
Date Extracted: 03/15/06
Date Analyzed: 03/28/06 Time: 0950
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

CONCENTRATION UNITS: ug/L

Lab File ID: 2060328/SV18A007

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

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

SOW No.:

EPA Sample No.	*Lab Sample ID.*
SKSWD01-1017	20603150901
SK-SWD02-1017	20603150902
SK-SWD03-1017	20603150903
SK-SWD03DUPE-1017	20603150904
SK-SWD03MS-1017	20603150905
SK-SWD03DUP-1017	20603150907
SK-SWD01-1017 (DISS)	20603150912
SK-SWD02-1017 (DISS)	20603150913
SK-SWD03-1017 (DISS)	20603150914
SK-SWD03DUPE-1017 (DIS	20603150915
SK-SWD03MS-1017 (DISS)	20603150916
SK-SWD03DUP-1017 (DISS	20603150917

Were ICP interelement corrections applied ? Yes / No YES

Were ICP background corrections applied ? Yes / No YES

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

Comments:

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

Signature: Karen Melerine Name: Karen Melerine

Date:: 4-21-06 Title: Group Leader - Metals

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSWD01-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil / water) Water Lab Sample ID: 20603150901

Level: (low / med) Date Received: 03/15/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	560		N,*,E	P	J
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	29.2	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	69600			P	
7440-47-3	Chromium	1.9	B		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	1.7	B		P	
7439-89-6	Iron	1050		E	P	J
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	11700			P	
7439-96-5	Manganese	24.2		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.0	B		P	
7440-09-7	Potassium	4680	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	2300	B	E	P	J
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	3.3	B		P	
7440-66-6	Zinc	49.6			P	
57-12-5	Cyanide	1.4	B		AS	

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

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

Comments:

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

EPA SAMPLE NO.

SK-SWD02-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil / water) Water Lab Sample ID: 20603150902

Level: (low / med) Date Received: 03/15/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	39.6	B	N,*,E	P	J
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	20.1	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	122000			P	
7440-47-3	Chromium	2.1	B		P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	0.7	U		P	
7439-89-6	Iron	35.6	B	E	P	J
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	33200			P	
7439-96-5	Manganese	1.7	B	E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.6	B		P	
7440-09-7	Potassium	2270	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	1520	B	E	P	J
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	3.0	B		P	
7440-66-6	Zinc	1.1	U		P	
57-12-5	Cyanide	0.6	U		AS	

6/16/06
[illegible]

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.

SK-SWD03-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil / water) Water Lab Sample ID: 20603150903

Level: (low / med) Date Received: 03/15/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3040		N,*,E	P	J
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	35.4	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	68900			P	
7440-47-3	Chromium	4.3	B		P	
7440-48-4	Cobalt	1.4	B		P	
7440-50-8	Copper	2.8	B		P	
7439-89-6	Iron	3730		E	P	J
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	14000			P	
7439-96-5	Manganese	81.6		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	3.3	B		P	
7440-09-7	Potassium	4680	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	3900	B	E	P	J
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	6.2	B		P	
7440-66-6	Zinc	12.1	B		P	
57-12-5	Cyanide	0.8	B		AS	

6/16/06 MAN

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

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

Comments:

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

EPA SAMPLE NO.

SK-SWD03DUPE-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil / water) Water Lab Sample ID: 20603150904

Level: (low / med) Date Received: 03/15/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2000		N,*,E	P	J
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	4.6	B		P	
7440-39-3	Barium	32.0	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	72000			P	
7440-47-3	Chromium	3.7	B		P	
7440-48-4	Cobalt	1.3	B		P	
7440-50-8	Copper	2.0	B		P	
7439-89-6	Iron	3480		E	P	J
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	14300		E	P	J
7439-96-5	Manganese	78.6			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	3.1	B		P	
7440-09-7	Potassium	4430	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	4210	B	E	P	J
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	5.2	B		P	
7440-66-6	Zinc	16.6	B		P	
57-12-5	Cyanide	1.5	B		AS	

6/16/06

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

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

Comments:

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

EPA SAMPLE NO.

SK-SWD03DUP-1017

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil / water) Water Lab Sample ID: 20603150907

Level: (low / med) Date Received: 03/15/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2390		N,*,E	P	J
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	5.7	B		P	
7440-39-3	Barium	31.9	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	65100			P	
7440-47-3	Chromium	3.4	B		P	
7440-48-4	Cobalt	1.3	B		P	
7440-50-8	Copper	2.2	B		P	
7439-89-6	Iron	3380		E	P	J
7439-92-1	Lead	1.4	U		P	
7439-95-4	Magnesium	13100			P	
7439-96-5	Manganese	77.0		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	3.1	B		P	
7440-09-7	Potassium	4270	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	3620	B	E	P	J
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	5.8	B		P	
7440-66-6	Zinc	8.8	B		P	
57-12-5	Cyanide	0.6	U		AS	

6/16/06
GSC

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

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

Comments:

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

EPA SAMPLE NO.

SK-SWD01-1017 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil / water) Water Lab Sample ID: 20603150912

Level: (low / med) Date Received: 03/15/06

% 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	~~NJ~~	P	
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	24.5	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	64600		E	P	J
7440-47-3	Chromium	0.8	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	UJ
7439-95-4	Magnesium	10700		E	P	J
7439-96-5	Manganese	1.0	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	4250	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	2260	B	E	P	J
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	1.6	B		P	
7440-66-6	Zinc	34.8			P	

cl/rl ok
mcu

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.

SK-SWD02-1017 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil / water) Water Lab Sample ID: 20603150913

Level: (low / med) Date Received: 03/15/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	17.5	B	~~N~~	P	
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	24.3	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	65300		E	P	J
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.7	B		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	10200		E	P	J
7439-96-5	Manganese	1.0	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.5	B		P	
7440-09-7	Potassium	4250	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	2210	B	E	P	J
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	1.4	B		P	
7440-66-6	Zinc	34.4			P	

6/16/06
MSL

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.

SK-SWD03-1017 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil / water) Water Lab Sample ID: 20603150914

Level: (low / med) Date Received: 03/15/06

% 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	~~N~~	P	
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	21.3	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	66700		E	P	J
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.6	B		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	12900		E	P	J
7439-96-5	Manganese	2.9	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.5	B		P	
7440-09-7	Potassium	3980	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	3960	B	E	P	J
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	1.6	B		P	
7440-66-6	Zinc	1.1	U		P	

6/16/06
MC

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.

SK-SWD03DUPE-1017 (DIS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil / water) Water Lab Sample ID: 20603150915

Level: (low / med) Date Received: 03/15/06

% 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	4.0	U		P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	22.3	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	68700		E	P	J
7440-47-3	Chromium	0.8	U		P	
7440-48-4	Cobalt	0.8	B		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	13000		E	P	J
7439-96-5	Manganese	2.6	B		P	
7439-97-6	Mercury	0.1	B		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3990	B	E	P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	4320	B	E	P	J
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	1.4	B		P	
7440-66-6	Zinc	1.1	U		P	

6/16/06
MSA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SWD03DUP-1017 (DISS

Lab Name: PROJ AAH GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206031509

Matrix: (soil / water) Water Lab Sample ID: 20603150917

Level: (low / med) Date Received: 03/15/06

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	44.7	B	~~N~~	P	
7440-36-0	Antimony	4.0	U		P	
7440-38-2	Arsenic	3.8	U		P	
7440-39-3	Barium	22.0	B		P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	70100			P	J
7440-47-3	Chromium	0.8	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	13500			P	J
7439-96-5	Manganese	2.9	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	4160	B		P	J
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	4140	B		P	J
7440-28-0	Thallium	4.1	U		P	
7440-62-2	Vanadium	1.9	B		P	
7440-66-6	Zinc	1.1	U		P	

6/15/06
MW

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			
Earth Tech	4342	206031509	32406
Client Name	Client #	Workorder #	Due Date

Report to:
Client: Earth Tech
Address: 2373 Progress Drive
Hebron KY 41048
Contact: Pat Higgins
Phone: 859/442-2310
Fax: 859/442-2311

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

Analytical Requests & Method

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 1 Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Volatiles	Remarks:	Lab ID
SW	3/13	1335		X	SK-SWD01-1017	HCL	3	X		-1
SW	3/13	1405		X	SK-SWD02-1017	↓	↓	↓		-2
SW	3/13	1440		X	SK-SWD03-1017	↓	↓	↓		3
SW	3/13	1450		X	SK-SWD03 Dupe-1017	↓	↓	↓		-4
SW	~~1520~~ 3/13	1520		X	SK-SWD03-MS-1017	↓	↓	↓		-5
SW	~~1530~~ 3/13	1530		X	SK-SWD03-MSD-1017	↓	↓	↓		-6
GW	3/14	1300		X	SK-GW06R-1017	↓	↓	↓	*	8
GW	3/14	1340		X	SK-GW07R-1017	↓	↓	↓	*	9
					SK-TB-1017	↓	↓	↓	* JAC 3-2006	10
									VHBLK	-11

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/14/06	1700
Fedex	[signature]	3-15-06	930

Note: * Standard Turnaround
* Samples sent via FED EX for overnight delivery
* Samples are inadequate work

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, ...

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

GCAL-06 11/98

000610

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	20603150 9	3-29-06

Report to:
Client: Earth Tech
Address: 2573 Progress Drive
Hebron, Ky 41048
Contact: Pat Higgins
Phone: 859 | 442-2300
Fax: 859 | 442-2318

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

P.O. Number: 542000.01
Project Name/Number: Skinner Landfill - 1st Quarter 2006
Sampled By: Pat Higgins & Dallas Grimes

Analytical Requests & Method

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

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi Volatiles	Pesticides	PCB's	Total Metals	Dissolved metals	Cyanide						Remarks: Diss	Lab ID
SW	3/15	1335		X	SK-SW001-1017	Various	7	X	X	X	X	X	X						12	-1
SW	3/13	1405		X	SK-SW002-1017	↓	↓	X	X	X	X	X	X						Refer to 13	-2
																			Table 7	
																			(TCL) and	
																			Table 8 (TAL)	
																			of the Final	
																			O&M Plan	
																			for the list	
																			of Analytes	

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	FED EX	3/14/06	1700
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Feeley	[signature]	3/15/06	930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: Samples sent via FED EX standard turnaround

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

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

GCAL-06 11/98

000611

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	206031509	3-29-06
Client Name	Client #	Workorder #	Due Date

Report to:
Client: Earth Tech
Address: 2373 Progress Drive
Hebron, KY 41048
Contact: Pat Higgins
Phone: 859 | 442-2300
Fax: 859 | 442-~~2310~~ 2311

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

P.O. Number: 54280.01
Project Name/Number: Shinner Landfill - 1 Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metals	Cyanide						Remarks: DISS	Lab ID
SW	3/13	1440		X	Sh-SWD03-1017	Various	7	X	X	X	X	X	X						-14	3
SW	3/13	1450		X	Sh-SWD03 Dupe-1017	Various	7	X	X	X	X	X	X						Refer to -15	4
																			Table 7 (TCL)	
																			and Table 8	
																			(TAL) of the	
																			Final O&M	
																			Plan for the	
																			list of analytes	

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins		3/14/06	1700
Fedex	[signature]	3/15/06	930

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

000612

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	206031509	3-29-06
Client Name	Client #	Workorder #	Due Date

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:
Address: Glenn Springs Contract
Contact:
Phone:
Fax:

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 1st Qtr. 2006
Sampled By: Pat Higgins & Dallas Grimes

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCB's	Total Metals	Dissolved Metals	Cyanide						Remarks: DISS	Lab ID
SW	3/13	1520		X	Sk-SWD 03 MS-1017	Various	7	X	X	X	X	X	X						16	5
SW	3/13	1530		X	Sk-SWD 03 MSD-1017	Various	7	X	X	X	X	X	X					-17	Refer to Table 7 (TCL) and Table 8 (TAL) of the Final O&M plan for the list of analytes	-6 DUP -7

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Pat Higgins	FED EX	3/14/06	~~1600~~ 1700
Fedex	[signature]	3-15-06	930

Note: STANDARD Turnaround Samples sent via FED EX - Priority Overnight

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

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

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

GCAL-06 11/98

000613