EPA Region 5 Records Ctr.
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REMEDIAL ACTION QUARTERLY MONITORING REPORT

THIRD QUARTER – 2008 (21 of 120)

SKINNER LANDFILL SITE BUTLER COUNTY WEST CHESTER, OHIO

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LIST OF ACRONYMS

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

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

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

1.0 INTRODUCTION

1.1 GENERAL INFORMATION

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

The remedial action (RA) post-construction O&M monitoring period began with the third quarter of 2003 and extends for a period of 30 years. This report documents the results of groundwater and surface water monitoring conducted during the third quarter of 2008, which is the 21st 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 in March 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

Historic data for piezometers P-9R to P-12R and results of the piezometer groundwater levels obtained this quarter are provided on Table 2. Based on measured water levels, the groundwater level continues to be below the waste elevation at piezometer P-12R.

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.

Of the 16 TAL parameters that have corresponding trigger levels, zinc and iron were detected above the CRQL as shown on Table 3. None of these concentrations exceed the trigger levels.

3.4 SURFACE WATER ANALYTICAL RESULTS

Surface water analyzed consisted of three surface water samples collected directly from the surface of the East Fork of Mill Creek (SW samples) and three landfill cap surface water drainage samples (SWD samples).

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

Target compound list volatiles, pesticides and PCBs were not detected in surface water above the CRQL.

Of the 16 TAL parameters that have a corresponding trigger level, lead was detected above the CRQL, but below the trigger level at the furthest upstream creek location (SW-52).

3.5 GENERAL SITE OBSERVATIONS

This section provides a description of observations made in or around the 16-acre fenced area during the sampling quarter associated with other activity which may impact the project site. No site activities of interest were observed.

FIGURES

FIGURES

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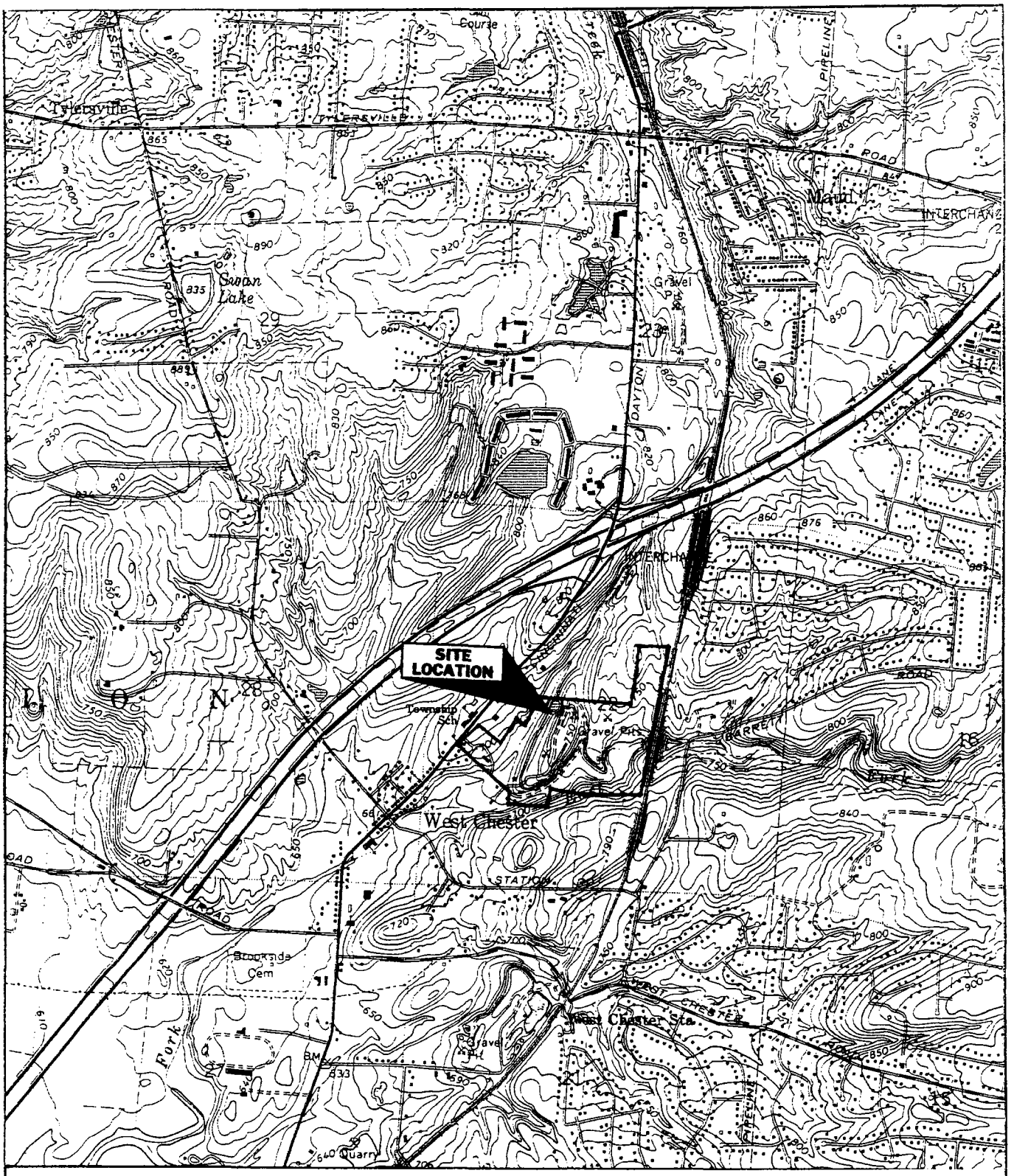

Base taken from USGS Glendale, Ohio
7.5' Topographic Quadrangle, photorevised 1987

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SKINNER LANDFILL

SITE VICINITY MAP

BUTLER COUNTY, OHIO

TABLES

TABLES

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TABLE 1

Groundwater Elevation Summary

Skinner Landfill
West Chester, Ohio

					September 16, 2008	
Well Type	Location	Well Use	Ground Surface Elevation (MSL-feet)	Top of Casing Elevation (MSL-feet)	Depth to Water (feet from top of casing)	Groundwater Elevation (MSL-feet)
Piezometers	P-1	G	685.42	687.65	10.95	676.70
	P-2	G	688.54	690.42	13.58	676.84
	P-3R	G	691.83	693.69	25.78	667.91
	P-4	G	700.32	702.63	6.65	695.98
	P-5	G	708.20	710.65	14.56	696.09
	P-6	G	707.45	710.59	13.49	697.10
	P-7	G	719.08	721.83	Dry	Dry
	P-8	G	747.70	749.91	30.70	719.21
	P-9R	G	760.12	763.58	20.49	743.09
	P-10R	G	761.87	765.84	27.20	738.64
	P-11R	G	760.39	763.38	27.40	735.98
	P-12R	G	750.11	753.60	38.75	714.85
Groundwater Monitoring Wells	GW-06R	S	683.89	685.91	12.45	673.46
	GW-07R	S	683.46	683.06	13.50	669.56
	GW-24	G	693.32	695.21	19.57	675.64
	GW-26	G	696.61	698.28	31.70	666.58
	GW-30	G	675.63	677.62	10.40	667.22
	GW-58	S	684.03	686.53	14.20	672.33
	GW-59	S	684.35	687.38	9.41	677.97
	GW-60	S	689.12	692.38	14.69	677.69
	GW-61	S	687.38	690.86	13.95	676.91
	GW-62A	S	690.19	692.38	26.75	665.63
	GW-62B	S	690.57	693.13	12.10	681.03
	GW-63	S	698.87	702.50	11.00	691.50
	GW-64	S	700.45	703.88	12.84	691.04
	GW-65	S	703.83	706.88	16.89	689.99
	GW-66	G	686.82	689.41	9.55	679.86
Gas Probes	GP-6	G	772.18	774.65	16.98	757.67
	GP-7	G	749.83	752.65	Dry	Dry

Notes:
MSL - Mean Sea Level
G - Gauging
S - Sampling and Gauging (GW-24, 26, and 30 are sampled on an annual basis.)
P-9R, 10R, 11R, and 12R were installed December 2006 to January 2007. Replaced P-9, 10, 11, and 12.

TABLE 2

Groundwater-Waste Monitoring Summary

Skinner Landfill
West Chester, Ohio

Piezometer ID		P-9R	P-10R	P-11R	P-12R	
Grade Elevation (feet)		760.12	761.87	760.39	750.11	
Bottom of Waste Elevation (MSL-feet)		**731.92**	**729.87**	**728.00**	**722.61**	
Depth to Bottom of Waste (feet)		28.20	32.00	32.39	27.50	Comments
Groundwater Elevation (ft):	22-Jan-07	747.70	739.52	734.04	721.24	**BASELINE**
	02-Mar-07	748.03	740.60	735.68	718.17	1rst Q 2007
	11-Jun-07	746.34	751.34*	737.08	716.70	2nd Q 2007
	04-Sep-07	736.49	737.73	733.49	712.61	3rd Q 2007
	17-Dec-07	745.36	736.92	731.13	714.31	4th Q 2007
	10-Mar-08	747.61	739.04	733.71	717.42	1st Q 2008
	02-Jun-08	748.06	740.44	739.15	719.10	2nd Q 2008
	16-Sep-08	743.09	738.64	735.98	714.85	3rd Q 2008

Notes:

Bottom-of-Waste elevations determined during installation of new piezometers from 12/6/06 through 12/11/06.

Shaded cells indicate water level elevations below the elevation of waste.

* Groundwater Elevation suspect.

TABLE 3

Groundwater Test Results Summary

Skinner Landfill
West Chester, Ohio
Third Quarter 2008

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
GW-06R	—	—	—	—
GW-07R	—	—	*Iron*	—
GW-58	—	—	—	—
GW-59	—	—	—	—
GW-60	*	*	*	*
GW-61	—	—	—	—
GW-62A	—	—	—	—
GW-62B	—	—	*Iron and Zinc*	—
GW-63	—	—	—	—
GW-64	—	—	—	—
GW-65	*	*	*	*
GW-24 (Perimeter Well)	Monitoring Well Outside Fenced area sampled annually (not sampled this quarter)			
GW-26 (Perimeter Well)	Monitoring Well Outside Fenced area sampled annually (not sampled this quarter)			
GW-30 (Perimeter Well)	Monitoring Well Outside Fenced area sampled annually (not sampled this quarter)			

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

TABLE 4

Surface Water Test Results Summary

Skinner Landfill
West Chester, Ohio
Third Quarter 2008

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

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

APPENDIX A

POTENTIONMETRIC SURFACE MAP

EARTH TECH | AECOM

APPENDIX A

SDMS US EPA Region V

Imagery Insert Form

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Appendix A – Figure 1, Potentiometric Contour Map – September 16, 2008

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APPENDIX B

SUMMARY OF ANALYTICAL RESULTS

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APPENDIX B

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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	14.8	14.8	29.1	14.4 U	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U		200
Antimony	4.0	4.0	4.0	4.1	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	60	60
Arsenic	4.0	4.3	4.0 UJ	5.3	4.0 B	4.0 U	2.4 U	2.4 U	2.5 U	2.5 UJ	20	10
Barium	**212**	**220**	**227**	**214**	**266**	**219** J	144 B	199 B	**211** J	168 B	1,000	200
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	5	5
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	5	5
Calcium	175,000	213,000	192,000	200,000	182,000	166,000	214,000	199,000	180,000 J	229,000		5,000
Chromium	2.1	2.1	4.2	3.9	1.5 B	1.8 B	2.1 B	0.30 U	2.1 B	0.2 U	11	10
Cobalt	1.2	8.3	2.2	0.4	0.20 U	0.40 B	3.90 B	0.20 U	0.50 B	1.4 B		50
Copper	1.4	1.4	1.4	0.7	3.2 B	2.1 B	4.6 B	2.3 B	3.0 B	1.2 B	25	25
Iron	**193**	**5,690**	**1,370**	**658**	**228**	**358**	**139**	69.6 B	**586**	60.0 B	7,000	100
Lead	1.8	1.8	1.8	2.1 UJ	0.80 U	0.90 B	0.80 U	1.0 B	2.4 B	1.2 B	4.2	3
Magnesium	30,400	41,900	33,600 J	34,700	32,500	29,100	35,500	35,800	34,200 J	43,600 J		5,000
Manganese	275	2130 J	325	144	175	262	364	6.5 B	132.0	451 J		15
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.1 U	0.2	0.2
Nickel	0.60	4.20	0.50	0.80	0.80 B	0.60 B	2.2 B	0.40 U	0.40 U	0.4 B	96	40
Potassium	2,420	3,820	2,440	2,250 J	2,400 B	2,520 B	2,710 J	2,180 B	2,460 B	5,400		5,000
Selenium	4.9 UJ	4.9	4.9	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 UJ	8.5	5
Silver	1.0 UJ	1.0	1.0	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.4 U	10	10
Sodium	19,300	26,900	19,600	23,700	17,000 J	17,800	22,400	19,400	17,300 J	29,900 J		5,000
Thallium	2.6	2.6	2.6	3.1	2.8 B	2.9 B	1.7 U	4.7 B	1.8 U	1.9 B	40	10
Vanadium	1.2	22.2	1.2	9.4	12.0 B	7.6 B	11.0 J	1.0 U	10.4 B	12 B		50
Zinc	0.70	0.70	0.70	1.1	12.3 B	10.8 B	7.5 J	9.0 B	15.2 B	0.5 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	5,720 J	1,600	2,190	20,100 J	3,790 J	3,720 J	2,670	141 J	457	1,190		
Antimony	4.0	4.0	4.0	4.1	2.4 UJ	2.4 U	2.4 UJ	2.4 U	1.6 U	1.6 U		
Arsenic	6.3	10.5	4.0 UJ	5.3	7.5 B	2.5 U	2.4 U	2.4 UJ	2.5 UJ	6.8 B		
Barium	329	241	263	526	352	283 J	183 B	195 B	214 J	251 J		
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U		
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 UJ		
Calcium	210,000	238,000	210,000	456,000	218,000	210,000	240,000	197,000	173,000 J	235,000 J		
Chromium	11.9 J	5.4	7.9	45.1	9.6 J	8.5 B	7.9 J	0.60 B	3.1 B	0.2 U		
Cobalt	9.0	10.9	4.1	24.0	4.5 B	3.7 B	5.0 B	0.30 B	0.90 B	3.0 B		
Copper	4.1	1.4	6.8	93.7 J	15.4 J	14.4 B	0.70 J	5.40 B	5.3 B	6.0 B		
Cyanide	0.60	0.60	0.70	0.90	0.60 U	3.5 B	0.60 U	0.60 U	0.60 U	0.6 U	10	10
Iron	15,100	10,400	6,920	45,700	9,620	9,420 J	8,000	523	2,090	4,050 J		
Lead	12.8	8.0 J	5.6	65.4 J	12.1 J	12.3	5.9 J	0.80 UJ	3.4	4.8		
Magnesium	47,400	53,800	39,500	136,000	46,300	48,200	50,100	35,600	34,300 J	475,000 J		
Manganese	1,050	2,440	422 J	3,490	421	482 J	410	19.3	106.0	535 J		
Mercury	0.10	0.10	0.10	0.10	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U		
Nickel	11.5	8.0	3.7	42.3	9.0 B	8.4 B	7.1 J	0.40 U	0.40 B	1.9 B		
Potassium	3,700 J	4,300	2,800	5,890 J	3,360 J	3,270 J	3,240 B	2,220 J	2480.0 B	3,010 J		
Selenium	4.9	4.9	4.9 UJ	4.5 UJ	3.9 UJ	3.9 R	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ		
Silver	1.0 UJ	1.3	1.0	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.4 U		
Sodium	19,500	28,200	20,400	26,400	18,000	18,300 J	22,400	18,700	17,000 J	18,000 J		
Thallium	2.6 UJ	2.6 UJ	2.6	3.1	1.8 B	2.1 B	1.7 U	2.2 B	1.8 U	1.8 U		
Vanadium	1.2	30.5	1.2	84.8	21.1 J	20.4 B	17.1 J	1.0 U	12.4 B	14.5 B		
Zinc	36.4 J	16.7	16.7	200.0 J	47.4	40.8	25.6 J	11.5 J	20.7	4.8 B		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)*
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-07R

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]						Insufficient Volume						
Aluminum	14.8	14.8	14.8	51.1	15.4 U	—	15.4 U	16.4 B	15.3 U	15.3 U		200
Antimony	4.0	4.0	4.0	4.1	2.4 U	—	2.4 U	2.4 U	1.6 U	1.6 U	60	60
Arsenic	4.0	4.0	4.0 UJ	5.3	2.4 U	—	2.4 U	2.9 B	2.5 U	2.5 U	20	10
Barium	138.0	65.2	109.0	90.0	92.6 B	—	62.8 B	93.2 B	88.0 J	59.3 B	1,000	200
Beryllium	0.50	0.50	0.50	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 U	5	5
Cadmium	0.10	0.10	0.10	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 U	5	5
Calcium	190,000	383,000	209,000	203,000	206,000	—	207,000	165,000	175,000 J	270,000		5,000
Chromium	1.3	2.9	3.5	4.4	1.4 B	—	1.9 B	0.3 U	2.0 B	0.2 U	11	10
Cobalt	1.2	11.7	2.4	1.6	0.20 U	—	1.8 B	0.2 U	0.3 U	1.9 B		50
Copper	1.4	1.4	1.4	0.70	3.4 B	—	4.1 B	1.8 B	3.6 B	0.6 U	25	25
Iron	12.9	**3950**	**1290**	**2870**	44.2 B	—	**231**	8.5 U	8.1 U	**419**	7,000	100
Lead	1.8	1.8	1.8	2.1 UJ	0.80 U	—	0.80 U	2.6 B	2.9 B	1.2 U	4.2	3
Magnesium	29,900	61,100	32,400	31,600	33,200	—	29,600	25,900	30,200 J	45,600 J		5,000
Manganese	2,090	4,730 J	1,450 J	1,240	646	—	271	164	0.3 B	2,780 J		15
Mercury	0.10	0.10	0.10 UJ	0.10	0.10 U	—	0.10 U	0.10 U	0.10 UJ	0.10 U	0.2	0.2
Nickel	4.2	13.4	1.8	0.80	1.9 B	—	1.0 B	0.40 U	0.4 U	0.90 B	96	40
Potassium	2,610	4,330	2,830	1,860 J	2,290 B	—	1,590 J	2,250 B	1,620 B	2,660 B		5,000
Selenium	4.9 UJ	4.9	4.9 UJ	4.5 UJ	3.9 U	—	3.9 R	3.9 U	3.1 U	3.1 U	8.5	5
Silver	1.0 UJ	1.3	1.0	2.1	0.30 U	—	0.30 U	0.30 U	0.4 U	0.50 B	10	10
Sodium	28,300	47,400	33,100	25,200	23,000 J	—	18,600	15,500	13,500 J	2,300 J		5,000
Thallium	2.6	2.6	2.6	3.1	5.0 B	—	1.7 U	6.5 B	1.8 U	1.8 U	40	10
Vanadium	1.2	26.0	1.2	8.3	13.2 B	—	9.3 J	1.0 U	9.8 B	12.8 B		50
Zinc	0.70	0.70	6.6	1.1	10.0 B	—	10.9 J	11.3 B	17.1 B	1.1 B	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	8,110 J	5,220	3,950	1,270 J	4,680 J	—	4,210	115 J	77.7 B	1,220		
Antimony	4.0	4.0	4.0	4.1	2.4 UJ	—	2.4 UJ	2.4 U	1.6 U	1.6 U		
Arsenic	9.6	7.0	4.0 UJ	5.3	10.5	—	3.0 B	2.4 UJ	2.5 UJ	2.5 U		
Barium	388	273	241	131	292	—	178 B	104 B	95.0 J	115.0 J		
Beryllium	0.50	0.50	0.50	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 U		
Cadmium	0.10	0.10	0.10	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 UJ		
Calcium	248,000	444,000	229,000	214,000	232,000	—	229,000	152,000	177,000 J	304,000 J		
Chromium	12.8 J	10.8	8.5	7.0	9.4 J	—	9.0 J	0.6 B	2.2 B	0.20 U		
Cobalt	9.3	18.2	4.5	2.5	4.4 B	—	6.2 B	0.2 U	0.3 U	2.9 B		
Copper	11.1	1.4	5.9	23.2 J	14.2 J	—	0.70 U	7.0 B	5.7 B	0.60 U		
Cyanide	1.3	18.6	0.6	1.6	0.60 U	—	0.60 U	0.60 U	0.6 U	2.7 B	10.0	10.0
Iron	24,600	20,500	9,090	7,280	13,700	—	8,420	273	151	4740.0 J		
Lead	11.5	12.0 J	4.0	2.1 UJ	8.9 J	—	7.0 J	0.80 U	3.3	3.1		
Magnesium	49,400	82,500	39,000	34,600	44,800	—	38,700	23,800	30,400 J	53,500 J		
Manganese	2,940	4,880	1,650 J	1,320	1,280	—	477	84.5	21.5	2,830 J		
Mercury	0.10	0.10	0.10	0.10	0.10 UJ	—	0.10 U	0.10 U	0.10 U	0.10 U		
Nickel	16.8	21.9	7.0	2.1	10.4 B	—	8.7 J	0.40 U	0.40 U	4.3 B		
Potassium	4,400 J	5,530	3,800	2,250 J	3,320 J	—	2,550 B	3,040 J	1,890 B	3,190 J		
Selenium	4.9	4.9	4.9 UJ	4.5 UJ	3.9 UJ	—	3.9 UJ	3.9 U	3.1 U	3.1 UJ		
Silver	1.0 UJ	1.7	1.0	2.1	0.30 U	—	0.30 U	0.30 U	0.40 UJ	0.40 U		
Sodium	27,600	49,000	33,200	25,400	23,300	—	18,900	16,300	13,700 J	24,800 J		
Thallium	2.6 UJ	2.6	2.6	3.1	5.1 B	—	1.7 U	2.5 B	2.0 B	1.8 U		
Vanadium	1.2	42.4	1.5	11.8	22.4 J	—	17.6 J	1.0 U	11.6 B	13.8 B		
Zinc	46.5 J	33.0	17.0	16.3 J	46.7	—	32.5 J	21.3 J	18.9 B	4.2 B		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	—	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	—	BRL	BRL	BRL	BRL		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-58

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	14.8	14.8	29.1	31.1 B	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U		200
Antimony	4.0	4.0	4.0	6.2	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	60	60
Arsenic	4.0	4.0	4.0 UJ	5.3	2.4 U	2.4 UJ	2.4 U	2.4 U	2.5 U	2.5 UJ	20	10
Barium	**230**	150	153	**354**	124 B	106 J	125 B	117 B	129 J	114 B	1,000	200
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	5	5
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	5	5
Calcium	101,000	121,000	108,000	67,900	112,000	99,100	109,000	97,800	107,000 J	107,000		5,000
Chromium	2.7	2.6	4.5	3.6	1.9 B	2.2 B	2.4 B	0.50 B	1.9 B	0.2 U	11	10
Cobalt	0.70	0.70	0.70	0.40	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.3 U		50
Copper	1.4	1.4	2.0	0.70	3.4 B	3.4 B	4.8 B	3.7 B	2.4 B	2.5 B	25	25
Iron	**826**	12.9	15.6	**306**	45.1 B	8.5 U	9.4 B	8.5 U	8.1 U	8.1 U	7,000	100
Lead	1.8	2.0 J	1.8	2.1 UJ	0.80 U	1.5 B	0.8 U	0.80 U	1.2 U	2.6 B	4.2	3
Magnesium	34,700	35,600	37,400	31,700	31,600	30,100	32,700	28,700	33,100 J	31,700 J		5,000
Manganese	187	21 J	167 J	27.5	5.9 B	13.2 B	9.5 B	0.30 U	4.4 B	5.3 J		15
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.1 U	0.2	0.2
Nickel	1.0	0.50	0.50	0.80	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	96	40
Potassium	5,160	4,140	5,110	15,400 J	3,320 B	4,180 J	4,370 J	3,020 B	3,660 B	3,210 B		5,000
Selenium	4.9 UJ	4.9	4.9	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 UJ	8.5	5
Silver	2.0	1.0	1.0	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.4 U	10	10
Sodium	36,700	30,500	37,100	152,000	25,400 J	29,800	29,900	22,100	27,500 J	24,200 J		5,000
Thallium	2.6	2.6	2.6	3.1	8.7 B	4.1 UJ	1.7 U	5.6 B	1.8 U	2.1 B	40	10
Vanadium	1.2	20.7	1.2	9.3	12.1 B	5.4 B	9.3 J	1.0 U	9.8 B	9.6 B		50
Zinc	0.7	1.3	0.7	1.1	**23.4**	6.8 B	**36.7** J	9.3 B	9.2 B	0.5 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	14,100 J	9,470	4,100	7,290 J	27,700 J	3,340 J	37,200	2,230 J	475	1188 B		
Antimony	4.0	4.0	4.0	4.1	8.2 J	2.4 U	11.7 J	60.0 U	1.6 U	1.6 U		
Arsenic	11.6	8.5	4.0 UJ	5.3	53.1	2.4 U	22.1	10.0 UJ	2.5 UJ	2.5 U		
Barium	298	257	206	222	465	145 B	528	148 B	120 J	133 J		
Beryllium	0.8	0.6	0.5	0.1	0.10 U	0.10 U	0.10 U	0.10 B	0.10 U	0.1 U		
Cadmium	0.1	0.1	0.1	0.1	0.10 U	0.10 U	0.10 U	5.00 U	0.10 U	0.1 UJ		
Calcium	240,000 J	186,000	180,000	203,000	382,000	123,000	474,000	120,000	95,600 J	124,000 J		
Chromium	30.8	21.6	13.5	23.0	63.4 J	8.5 B	77.2 J	5.0 B	2.9 B	0.2 U		
Cobalt	12.9	9.5	4.9	6.3	32.5 B	2.8 B	40.3 B	1.9 B	0.30 U	0.3 U		
Copper	15.1	10.3	9.5	52.5 J	67.6 J	5.4 B	76.7 J	6.9 B	4.6 B	3.6 B		
Cyanide	0.60	12.9	0.60	0.60	1.3 B	0.60 U	0.60 U	10.0 U	0.60 U	1.3 B	10	10
Iron	33,500	23,700	11,100	18,600	78,000	7,410	104,000	5,710	1,260	859 J		
Lead	19.8	14.3	5.8	9.1	44.3 J	3.0 J	52.7 J	1.1 J	1.2 U	4.2		
Magnesium	62,000	50,400	51,100	54,200	93,400	36,200	112,000	34,000	30,000 J	35,100 J		
Manganese	920	630	480 J	656	2,510	232	3,240	147	45.4	30.2 J		
Mercury	0.10	0.10	0.10	0.10	0.10 UJ	0.10 U	0.10	0.20 U	0.10 U	0.1 U		
Nickel	30.1	22.4	8.7	14.5	76.5	6.1 B	97.4 J	4.4 B	0.80 B	0.4 U		
Potassium	7,900 J	6,170	6,070	6,910 J	8,340 J	4,770 J	11,800	3,920 J	3,430 B	3,450 J		
Selenium	4.9	4.9	4.9 UJ	4.5 UJ	3.9 UJ	3.9 UJ	3.9 UJ	5.0 U	31.0 U	3.1 UJ		
Silver	1.0 UJ	1.4	1.1 J	2.1	0.30 U	0.30 U	0.30	10.0 U	0.40 UJ	0.4 U		
Sodium	29,200	27,600	35,700	35,500	25,200	26,900	31,700	22,700	25,200 J	27,000 J		
Thallium	2.6 UJ	2.6	2.6	3.1	4.6 B	1.7 U	1.7 U	5.2 B	1.8 U	1.8 U		
Vanadium	1.2	42.0	1.2	26.7	72.8 J	14.4 B	89.7 J	2.3 B	10.1 B	12.3 B		
Zinc	84 J	65.2	25.4	231 J	240	23.9	274.0 J	27.4 J	15.1 B	0.5 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-59

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	14.8	14.8	29.1	59.3 U	15.4 U	15.4 U	808.0	15.3 U	15.3 U		200
Antimony	4.0	4.0	4.0	4.1	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	60	60
Arsenic	4.0	4.0	4.0 UJ	5.3	4.4 B	2.4 U	2.4 U	2.4 U	2.5 U	2.5 U	20	10
Barium	38.7	44.5	45.0	42.6	36.6 B	39.0 J	38.4 B	40.4 B	43.5 J	45.400 B	1,000	200
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	5	5
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	5	5
Calcium	188,000	167,000	199,000	183,000	179,000	187,000	182,000	153,000	155,000 J	208,000 U		5,000
Chromium	3.2	2.4	5.2	4.3	2.3 B	2.7 B	3.0 B	0.50 B	1.8 B	0.2 U	11	10
Cobalt	0.70	0.70	0.70	0.40	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.3 U		50
Copper	1.4	1.4	3.8	0.70	3.7 B	3.6 B	5.5 B	4.2 B	2.9 B	3.3 B	25	25
Iron	12.9	12.9	12.9	8.1	**137**	8.5 U	16.6 B	17.9 B	8.1 U	8.1 U	7,000	100
Lead	1.8	1.8	1.8	2.1 UJ	0.80 U	0.80 U	0.80 U	0.80 U	1.7 B	1.6 B	4.2	3
Magnesium	38,500	32,000	39,800	32,500	37,800	40,000	35,800	28,000	25,200 J	43200 J		5,000
Manganese	4.4	0.4 J	28.8 J	4.0	14.5 B	34.8	4.6 B	0.30 U	0.20 U	0.2 UJ		15
Mercury	0.10	0.10	0.10	0.10	0.10 B	0.10 U	0.10 U	0.10 U	0.10 UJ	0.1 U	0.2	0.2
Nickel	0.80	0.50	0.50	0.80	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	96	40
Potassium	22,900	28,400	23,800	16,200 J	14,500	15,500 J	17,900 J	13,000	11,100	17,800		5,000
Selenium	4.9 UJ	4.9	4.9 UJ	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 U	8.5	5
Silver	1.0 UJ	1.0	1.0	2.1	0.30 U	0.30 U	0.40 B	0.30 U	0.40 U	0.5 B	10	10
Sodium	101,000	90,000	107,000	74,700	88,000 J	97,800 J	94,000	60,800	41,800 J	95,500 J		5,000
Thallium	2.6	2.6	2.6	3.1	2.6 B	1.7 U	1.7 U	5.0 B	2.1 B	3.7 B	40	10
Vanadium	1.2	21.0	1.2	7.8	12.9 B	8.6 B	9.6 J	1.0 U	7.4 B	14.0 B		50
Zinc	0.7	3.7	4.3	1.1	9.5 B	11.6 B	37.5 J	**21.7**	12.3 B	0.5 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	3,210 J	1,280	2,570	2,120 J	7,750 J	1,900 J	17,100	718 J	451	674		
Antimony	4.0	4.0	4.0	4.1	2.4 UJ	2.4 U	3.0 J	2.4 U	1.6 U	1.6 U		
Arsenic	4.0	4.0	4.0 UJ	5.3	19.0	2.4 U	18.2	2.4 UJ	2.5 UJ	2.5 U		
Barium	91.9	62.1	126.0	65.9	253.0	58.8 J	467	43.9 B	46.8 B	60.3 J		
Beryllium	0.5	0.5	0.5	0.1	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U		
Cadmium	0.1	0.1	0.1	0.1	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 UJ		
Calcium	206,000	163,000	197,000	193,000	226,000	195,000	291,000	111,000	136,000 J	209,000 J		
Chromium	12.1 J	6.8	14.7	10.2	34.7 J	6.9 B	71.0 J	1.9 B	2.7 B	0.2 U		
Cobalt	4.4	1.8	4.5	1.8	12.9 B	1.1 B	24.7	0.90 B	0.50 B	1.1 B		
Copper	1.4	1.4	6.6	4.6 J	18.6 J	7.4 B	26.3 J	12.2 B	4.8 B	4.8 B		
Cyanide	0.80	0.70	0.60	0.60	0.60 U	3.1 B	0.60 U	0.60 U	0.60 U	3.9 B	10	10
Iron	8,240	4,460	8,570	6,840	24,000	5,630 J	52,600	2,160	1,440	2,430 J		
Lead	6.3	4.3 J	4.4	2.1 UJ	15.4 J	4.8	28.1 J	1.6 J	3.8	3.8 J		
Magnesium	41,100	32,600	40,500	34,600	47,000	41,000	61,900	18,300	21,800 J	425,000 J		
Manganese	573	316	575 J	260	1,630	197 J	2,970	61.6	47.7	181 J		
Mercury	0.1	0.1	0.1	0.1	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.1 U		
Nickel	11.3	5.0	10.7	5.2	37.1 B	5.0 B	74.6 J	1.4 B	1.2 B	1.5 B		
Potassium	25,300 J	24,400	22,400	15,200 J	18,800 J	15,700 J	20,400	8,460 J	10,100	19,600 J		
Selenium	4.9	4.9	4.9 UJ	4.5	3.9 UJ	3.9 R	3.9 UJ	3.9 U	3.1 U	3.1 UJ		
Silver	1.0 UJ	1.0	1.0	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.4 U		
Sodium	105,000	81,900	102,000	76,400	86,500	96,100 J	95,600	28,600	36,800 J	95,300 J		
Thallium	2.6 UJ	2.6 UJ	2.6	3.1	6.1 B	2.5 B	1.7 U	4.3 B	1.8 U	1.8 J		
Vanadium	1.2	21.6	1.2	12.3	27.6 J	12.1 B	47.0 J	1.0 U	7.2 B	9.3 B		
Zinc	20.1 J	17.7	34.2	18.7 J	86.7	32.8	135 J	26.2 J	17.0 B	0.5 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-60

Compound	Quarterly Sampling Results (All Results Expressed in Units of mg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]	Insufficient Volume	Insufficient Volume			Insufficient Volume	Insufficient Volume				Insufficient Volume		
Aluminum	—	—	37.7 J	29.1	—	—	15.4 U	15.4 U	15.3 U	—		**200**
Antimony	—	—	4.0	4.1	—	—	2.4 U	2.4 U	1.6 U	—	**60**	**60**
Arsenic	—	—	4.0	5.3	—	—	2.4 U	2.4 U	2.5 U	—	**20**	**10**
Barium	—	—	68.9 J	57.8	—	—	57.3 B	64.1 B	87.4 J	—	**1,000**	**200**
Beryllium	—	—	0.50	0.10	—	—	0.10 U	0.10 U	0.10 U	—	**5**	**5**
Cadmium	—	—	0.10	0.10	—	—	0.10 U	0.10 U	0.10 U	—	**5**	**5**
Calcium	—	—	209,000	276,000	—	—	204,000	160,000	124,000 J	—		**5,000**
Chromium	—	—	2.7 J	5.9	—	—	2.5 B	1.2 B	1.4 B	—	**11**	**10**
Cobalt	—	—	0.70	0.40	—	—	0.20 U	0.20 U	0.30 U	—		**50**
Copper	—	—	4.9	0.70	—	—	5.60 B	3.80 B	3.6 B	—	**25**	**25**
Iron	—	—	48.9	10.5	—	—	23.7 B	8.5 U	8.1 U	—	**7,000**	**100**
Lead	—	—	1.8	2.1 UJ	—	—	0.80 U	0.80 U	2.9 B	—	**4.2**	**3**
Magnesium	—	—	39,600	81,200	—	—	28,100	23,800	16,100 J	—		**5,000**
Manganese	—	—	0.3	0.2	—	—	3.7 B	0.30 U	0.20 U	—		**15**
Mercury	—	—	0.10	0.10	—	—	0.10 U	0.10 U	0.10 UJ	—	**0.2**	**0.2**
Nickel	—	—	0.50	0.80	—	—	0.40 U	0.40 U	0.40 U	—	**96**	**40**
Potassium	—	—	8,560 J	5,400 J	—	—	7,430 J	6,650	9,980	—		**5,000**
Selenium	—	—	4.9 UJ	4.5 UJ	—	—	3.9 R	3.9 U	3.2 B	—	**8.5**	**5**
Silver	—	—	1.0	2.1	—	—	0.30 U	0.30 U	0.40 U	—	**10**	**10**
Sodium	—	—	25,000	22,800	—	—	20,100	15,100	7,300 J	—		**5,000**
Thallium	—	—	2.6	3.1	—	—	1.7 U	4.3 B	1.8 U	—	**40**	**10**
Vanadium	—	—	11.1	16.3	—	—	9.1 J	1.6 B	4.3 B	—		**50**
Zinc	—	—	5.9	1.1	—	—	10.4 J	9.1 B	10.1 B	—	**86**	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	—	—	10,600 J	9,480 J	—	—	2,590	110 J	127 B	—		
Antimony	—	—	4.0	4.1	—	—	2.4 UJ	2.4 U	1.6 U	—		
Arsenic	—	—	4.0	5.3	—	—	2.4 U	2.4 UJ	2.5 U	—		
Barium	—	—	107 J	95.9	—	—	77.8 B	68.6 B	88.4 J	—		
Beryllium	—	—	0.70	0.10	—	—	0.10 U	0.10 U	0.10 U	—		
Cadmium	—	—	0.10	0.10	—	—	0.10 U	0.10 U	0.10 U	—		
Calcium	—	—	222,000	319,000	—	—	207,000	144,000	122,000 J	—		
Chromium	—	—	29.1 J	22.1	—	—	6.6 J	1.9 B	1.8 B	—		
Cobalt	—	—	11.0	9.5	—	—	2.4 B	0.20 U	0.30 U	—		
Copper	—	—	14.3	35.7 J	—	—	0.70 U	9.10 B	5.3 B	—		
Cyanide	—	—	—	3.8	—	—	0.60 U	0.60 U	0.60 U	—	**10**	**10**
Iron	—	—	25,100	21,800	—	—	6,070	285	307	—		
Lead	—	—	12.2	11.7 J	—	—	3.6 J	0.80 UJ	1.5 B	—		
Magnesium	—	—	47,800	88,100	—	—	29,500	21,500	16,400 J	—		
Manganese	—	—	833 J	628	—	—	187	6.6 B	15.5	—		
Mercury	—	—	0.10	0.10	—	—	0.10 U	0.10 U	0.10 UJ	—		
Nickel	—	—	20.9	17.9	—	—	4.2 J	0.40 U	0.40 U	—		
Potassium	—	—	9,590 J	7,660 J	—	—	8,170	7,430 J	9,910	—		
Selenium	—	—	4.9 UJ	4.5 UJ	—	—	3.9 UJ	3.9 U	3.6 B	—		
Silver	—	—	2.0	2.1	—	—	0.30 U	0.30 U	0.40 U	—		
Sodium	—	—	23,000	24,000	—	—	19,700	13,200	7,450 J	—		
Thallium	—	—	2.6	3.1	—	—	1.7 U	2.7 B	1.8 U	—		
Vanadium	—	—	30.7	34	—	—	11.3 J	1.0 U	4.6 B	—		
Zinc	—	—	72.6	63.7 J	—	—	18.5 J	15.4 J	12.6 B	—		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	—	BRL	BRL	BRL	—		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	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) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-61

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	14.8	14.8	29.1	15.4 U	15.4 U	15.4 U	15.4 U	266	15.3 U		200
Antimony	4.0	4.0	4.0	4.1	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	60	60
Arsenic	4.0	4.0	4.0	5.3	4.4 B	2.4 U	2.4 U	3.6 B	2.5 U	2.5 UJ	20	10
Barium	46.6	61.1	45.5 J	36.4	31.7 B	38.2 J	35.0 B	24.4 B	25.6 J	63.3 B	1,000	200
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	5	5
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	5	5
Calcium	237,000	281,000	258,000	282,000	245,000	241,000	419,000	362,000	252,000 J	222,000		5,000
Chromium	3.8	3.3	2.0 J	6.1	2.5 B	3.1 B	4.4 B	0.3 B	3.4 B	0.20 U	11	10
Cobalt	1.2	2.7	2.1	1.2	0.20 U	0.20 U	2.10 B	0.40 B	1.2 B	0.30 U		50
Copper	1.4	1.4	3.0	0.70	4.2 U	4.6 B	7.1 B	4.2 B	4.6 B	2.4 B	25	25
Iron	**641**	**2380**	**162**	**299**	18.6 B	14.5 B	**4,390**	20.9 B	**1,660**	31.2 B	5,000	100
Lead	1.8	1.8	1.8	2.1 UJ	0.80 U	0.80 U	0.80 U	2.10 B	**3.3**	2.0 B	4.2	3
Magnesium	49,000	55,900	52,900	60,300	50,000	47,900	75,800	77,600	51,400 J	54,800 J		5,000
Manganese	617	2,070 J	1,050 J	385	103	179	714	118	291	227 J		15
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2	0.2
Nickel	3.5	5.0	4.8	2.4	3.3 B	4.2 B	9.5 B	3.4 B	3.6 B	1.2 B	96	40
Potassium	6,730	8,500	7,740 J	7,330 J	7,180	8,010 J	14,000 J	13,300	8,870	9,240		5,000
Selenium	4.9 UJ	4.9	4.9 UJ	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 UJ	8.5	5
Silver	1.0	1.0	1.0	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	10	10
Sodium	41,300	54,200	48,400	57,500	38,400 J	47,800 J	68,100	53,700	49,500 J	78,000 J		5,000
Thallium	2.6	2.6	2.6	3.1	3.3 B	1.7 U	4.6 B	6.6 B	1.8 U	2.7 B	40	10
Vanadium	1.2	27.9	11.7	13.2	16.5 B	9.3 B	16.8 J	1.2 B	13.5 B	12.1 B		50
Zinc	0.7	1.7	5.7	1.1	**28.5**	15.7 B	14.7 J	16.8 B	**21.5**	0.50 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	3,800 J	11,700	3,250 J	12,200 J	919 J	130 J	1,780	23.6 J	15.3 U	15.3 U		
Antimony	4.0	4.0	4.0	4.1	2.4 UJ	2.4 U	2.4 UJ	2.4 U	1.6 U	1.6 U		
Arsenic	5.3	17.7	4.0	5.3	2.5 B	2.4 U	2.4 U	2.4 UJ	2.5 U	2.5 U		
Barium	81.3	196.0	80.7 J	173.0	39.8 B	38.1 J	45.9 B	23.3 B	24.4 J	34.6 J		
Beryllium	0.5	0.7	0.5	0.1	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U		
Cadmium	0.1	0.1	0.1	0.1	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 UJ		
Calcium	250,000	409,000	297,000	450,000	259,000	241,000	42,900	380,000	292,000 J	334,000 J		
Chromium	10.1 J	24.3	12.3 J	30.4	5.7 J	3.4 B	8.5 J	0.3 B	3.9 B	0.2 U		
Cobalt	4.1	12.9	4.9	10.9	1.0 B	0.6 B	2.5 B	0.3 B	1.5 B	0.3 U		
Copper	1.4	1.4	10.1	41.7 J	7.0 J	4.9 B	0.90 J	5.20 B	4.8 B	3.9 B		
Cyanide	0.6	3.4	0.6	0.6	1.0 B	3.1 B	0.60 U	0.60 U	0.60 U	1.0 B	10	10
Iron	11,100	38,500	11,000	36,300	2,750	420 J	9,040	188	1,390	133 J		
Lead	14.4	22.2 J	4.0	19.4	0.80 U	0.80 U	2.10 J	0.80 UJ	2.4 B	1.2 U		
Magnesium	53,600	92,400	60,900	98,400	51,300	46,900	80,800	75,700	63,700 J	66,000 J		
Manganese	750	2,930	1,280 J	1,340	167	172 J	523	50.1	486	240 J		
Mercury	0.1	0.1	0.1	0.1	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.1 U		
Nickel	11.2	30.8	12.9	27.5	4.9 B	4.5 B	13.3 J	2.8 B	3.9 B	2.9 B		
Potassium	7,550 J	10,300	8,650 J	10,300 J	7,480 J	7,920	15,300	14,300 J	9,530	13,000 J		
Selenium	4.9	12.5 J	4.9 UJ	4.5 UJ	3.9 UJ	3.9 R	3.9 UJ	4.9 B	3.1 U	3.1 UJ		
Silver	1.0 UJ	2.1	1.0	2.1	0.30 U	0.30 B	0.30 B	0.30 U	0.40 U	0.7 B		
Sodium	39,500	50,400	47,500	53,100	39,300	45,000 J	65,800	50,000	61,400 J	51,700 J		
Thallium	2.6 UJ	2.6 UJ	2.6	3.1	4.2 B	2.3 B	3.7 B	4.8 B	1.8 U	2.0 B		
Vanadium	1.2	54.5	19.5	42.3	15.8 J	10.1 B	17.0 J	1.0 U	18.1 B	13.0 B		
Zinc	25.4 J	92.8	35.2	99.0 J	30.7	33.9	27.3 J	15.6 J	18.6 B	0.5 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-62A

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]											
Aluminum	14.8	14.8	29.1	38.8 B	31.0 B	377	15.4 U	15.3 U	15.3 U		**200**
Antimony	4.0	4.0	4.7	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	60	**60**
Arsenic	4.0	4.0 J	5.3	2.4 U	2.4 UJ	2.4 U	2.4 U	2.5 U	2.5 UJ	20	**10**
Barium	104	99.6	97.7	90.1 B	91.8 J	110 B	101 B	88.9 J	98.9 B	1,000	**200**
Beryllium	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	5	**5**
Cadmium	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	5	**5**
Calcium	137,000	127,000	130,000	119,000	115,000	123,000	119,000	114,000 J	127,000		**5,000**
Chromium	3.6	5.9	2.3	2.2 B	2.3 B	4.3 B	0.40 B	2.5 B	0.2 U	11	**10**
Cobalt	0.70	0.70	0.40	0.20 U	0.40 B	0.20 U	0.20 U	0.30 U	0.3 U		**50**
Copper	1.4	4.0	0.70	3.8 B	2.5 B	6.8 B	4.6 B	4.7 B	3.5 B	25	**25**
Iron	12.9	12.9	8.1	58.4 B	**202**	**625**	8.5 U	8.1 U	8.1 U	7,000	**100**
Lead	1.8	1.8	2.1 UJ	0.80 U	0.80 U	0.80 U	0.80 U	2.8 B	1.3 B	4.2	**3**
Magnesium	49,400	47,100	48,100	41,600	40,400	44,000	44,000	40,700 J	46,300 J		**5,000**
Manganese	13.8 J	30.4 J	12.8	5.3 B	128	140	0.30 U	0.20 U	33.4 J		**15**
Mercury	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.1 U	0.2	**0.2**
Nickel	0.50	0.50	0.80	0.40 U	1.2 B	2.1 B	0.40 U	0.40 U	0.4 U	96	**40**
Potassium	8,420	8,280	9,340 J	7,010	7,530	8,110 J	7,220	6,200	7,300		**5,000**
Selenium	4.9	4.9	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 UJ	8.5	**5**
Silver	1.0	1.0	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.4 U	10	**10**
Sodium	117,000	117,000	118,000	92,500 J	101,000	108,000	103,000	96,300 J	106,000 J		**5,000**
Thallium	2.6	2.6	3.1	3.1 B	1.7 UJ	1.7 U	5.5 B	1.8 U	1.8 U	40	**10**
Vanadium	25.5	1.2	13.2	13.7 B	5.7 B	13.5 J	2.5 B	12.4 B	11.5 B		**50**
Zinc	1.3	0.70	1.1	**23.0**	16.0 B	10.8 J	7.9 B	14.4 B	0.5 U	86	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	6,160	1,800	3,140 J	12,500 J	5,460	12,300	5,190 J	228	192 B		
Antimony	4.0	4.0	4.1	2.4 UJ	2.4 U	2.4 UJ	2.4 U	1.6 U	1.6 U		
Arsenic	5.4	4.0 UJ	5.3	20.8 J	2.4 UJ	7.5 B	2.4 UJ	2.5 UJ	2.5 U		
Barium	185	138	161	405	183 B	354	218	95.4 J	107 J		
Beryllium	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.20 B	0.10 U	0.1 U		
Cadmium	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 UJ		
Calcium	176,000	148,000	150,000	217,000	161,000	207,000	166,000	117,000 J	134,000 J		
Chromium	15.1	10.4	16.0	39.2 J	16.2	35.1 J	15.3	3.3 B	0.2 U		
Cobalt	4.4	2.3	3.0	16.0 B	5.7 B	12.3 B	5.6 B	0.30 U	0.3 U		
Copper	1.6	7.5	30.9 J	31.7 J	16.6 B	17.2 J	14.2 B	6.1 B	6.0 B		
Cyanide	0.60	0.60	7.1	0.60 U	—	0.60 U	0.60 U	0.60 U	0.9 B	10.0	**10.0**
Iron	11,900	4,800	7,350	35,100	14,400	30,900	13,600	629	1,020 J		
Lead	11.4 J	5.4	5.3	26.5 J	13.7	22.9 J	5.9 J	2.0 B	3.3 J		
Magnesium	56,600	51,000	51,000	60,700	50,100	59,700	54,400	42,800 J	47,100 J		
Manganese	402	204 J	276	1,290	614	981	395	14.4 B	51.5 J		
Mercury	0.10	0.10	0.10	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.1 U		
Nickel	11.6	3.9	7.4	41.9	15.8 B	35.6 J	16.0 B	0.80 B	0.4 U		
Potassium	9,630	8,410	8,490 J	9,530 J	8,620	10,600	9,290 J	6,610	7,230 J		
Selenium	4.9	4.9 UJ	4.5 UJ	3.9 UJ	3.9 R	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ		
Silver	1.0	1.0	3.3	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.4 U		
Sodium	110,000	117,000	118,000	96,500	105,000	111,000	113,000	102,000 J	105,000 J		
Thallium	2.6 UJ	2.6	3.1	1.7 U	1.7 U	1.7 U	3.9 B	1.8 U	1.8 UJ		
Vanadium	39	1.2	18.8	40.0 J	19.6 B	35.7 J	8.1 B	12.4 B	9.2 B		
Zinc	35	14.4	31.3 J	164	55.0	95.9 J	53.1 J	14.7 B	0.5 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-62B

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]	Well Dry	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume					
Aluminum	—	—	—	—	—	—	—	200.0 U	15.9 B	15.3 U		200
Antimony	—	—	—	—	—	—	—	60.0 U	1.6 U	1.6 U	60	60
Arsenic	—	—	—	—	—	—	—	10.0 U	2.5 U	2.5 UJ	20	10
Barium	—	—	—	—	—	—	—	21.9 B	41.8 J	130 B	1,000	200
Beryllium	—	—	—	—	—	—	—	5.0 U	0.10 U	0.1 U	5	5
Cadmium	—	—	—	—	—	—	—	5.0 U	0.10 U	0.1 U	5	5
Calcium	—	—	—	—	—	—	—	239,000	273,000 J	340,000		5,000
Chromium	—	—	—	—	—	—	—	0.50 B	3.3 B	0.2 U	11	10
Cobalt	—	—	—	—	—	—	—	50.0 U	0.50 B	7.9 B		50
Copper	—	—	—	—	—	—	—	4.3 B	4.6 B	0.6 U	25	25
Iron	—	—	—	—	—	—	—	11.5 B	8.1 U	**169**	7,000	100
Lead	—	—	—	—	—	—	—	1.2 B	**3.1**	1.9 B	4.2	3
Magnesium	—	—	—	—	—	—	—	48,600	56,700 J	83,700 J		5,000
Manganese	—	—	—	—	—	—	—	15.0 U	223	3,770 J		15
Mercury	—	—	—	—	—	—	—	0.20 U	0.10 UJ	0.1 U	0.2	0.2
Nickel	—	—	—	—	—	—	—	40.0 U	4.6 B	20.4 B	96	40
Potassium	—	—	—	—	—	—	—	3,220 B	1,000	20,000		5,000
Selenium	—	—	—	—	—	—	—	5.0 U	3.1 U	4.2 J	8.5	5
Silver	—	—	—	—	—	—	—	0.30 B	0.40 U	0.8 B	10	10
Sodium	—	—	—	—	—	—	—	33,900	54,500 J	72,600 J		5,000
Thallium	—	—	—	—	—	—	—	3.4 B	1.8 U	1.8 U	40	10
Vanadium	—	—	—	—	—	—	—	1.7 B	16.0 B	11.4 B		50
Zinc	—	—	—	—	—	—	—	**32.3**	**52.6**	**23.7**	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	—	—	—	—	—	—	—	1,610 J	1,320	86.8 B		
Antimony	—	—	—	—	—	—	—	60.0 U	1.6 U	1.6 U		
Arsenic	—	—	—	—	—	—	—	10.0 UJ	2.5 UJ	2.5 U		
Barium	—	—	—	—	—	—	—	31.2 B	43.4 J	140.0 J		
Beryllium	—	—	—	—	—	—	—	0.10 B	0.10 U	0.10 U		
Cadmium	—	—	—	—	—	—	—	5.00 U	0.10 U	0.10 UJ		
Calcium	—	—	—	—	—	—	—	242,000	270,000 J	368,000 J		
Chromium	—	—	—	—	—	—	—	3.5 B	5.1 B	0.20 U		
Cobalt	—	—	—	—	—	—	—	1.4 B	1.7 B	8.6 B		
Copper	—	—	—	—	—	—	—	7.2 B	13.0 B	0.6 U		
Cyanide	—	—	—	—	—	—	—	10.0 U	0.60 U	—	10.0	10.0
Iron	—	—	—	—	—	—	—	6,820	3,970	1,240 J		
Lead	—	—	—	—	—	—	—	1.8 J	4.6	1.2 UJ		
Magnesium	—	—	—	—	—	—	—	49,800	59,300 J	90,400 J		
Manganese	—	—	—	—	—	—	—	155	461	4080 J		
Mercury	—	—	—	—	—	—	—	0.20 U	0.10 UJ	0.10 U		
Nickel	—	—	—	—	—	—	—	3.1 B	8.3 B	23.1 B		
Potassium	—	—	—	—	—	—	—	3,680 J	13,100	21,700 J		
Selenium	—	—	—	—	—	—	—	5.0 U	3.1 UJ	4.0 J		
Silver	—	—	—	—	—	—	—	10.0 U	0.40 U	0.40 B		
Sodium	—	—	—	—	—	—	—	34,000	59,500 J	78,500 J		
Thallium	—	—	—	—	—	—	—	2.3 B	1.8 U	1.8 UJ		
Vanadium	—	—	—	—	—	—	—	50.0 U	18.2 B	10.2 B		
Zinc	—	—	—	—	—	—	—	71.0 J	80.5	44.3		
Volatile Organic Compounds (VOCs)	—	BRL	—	BRL	—	—	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	—	—	—	—	—	—	BRL	BRL	—	—		
Pesticides / PCBs	—	—	—	—	—	—	BRL	BRL	—	—		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-63

Compound	Quarterly Sampling Result (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]												
Aluminum	16.3	14.8	14.8	29.1	15.4 U	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U		**200**
Antimony	4.0	4.0	4.0	4.4	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	60	**60**
Arsenic	4.0	4.0	4.0	5.3	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 UJ	20	**10**
Barium	29.1	56.4	39.8 J	27.6	31.0 B	44.5 J	32.8 B	21.3 B	32.0 J	46.4 B	1,000	**200**
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	5	**5**
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	5	**5**
Calcium	173,000	232,000	277,000	320,000	213,000	240,000	392,000	271,000	266,000 J	343,000		**5,000**
Chromium	2.5	3.0	2.5 J	1.2	2.0 B	1.9 B	5.7 B	0.30 U	3.6 B	0.2 U	11	**10**
Cobalt	1.5	1.5	1.3	0.40	1.1 B	1.9 B	0.20 U	0.20 U	0.30 U	0.6 B		**50**
Copper	1.4	1.4	2.9	0.70	4.2 B	0.70 U	8.1 B	3.0 B	4.2 B	0.6 U	25	**25**
Iron	**189**	**253**	**173**	15.1	**114**	8.5 U	47.8 B	8.5 U	**265**	8.1 U	7,000	**100**
Lead	1.8	1.8	1.8	2.1 UJ	0.80 U	0.80 UJ	0.80 U	0.80 U	1.2 B	1.2 U	4.2	**3**
Magnesium	38,400	49,900	65,900	80,300	49,900	51,900	93,500	69,900	65,600 J	81,100 J		**5,000**
Manganese	1,200	1,790 J	985 J	441	1,300	887 J	107	12.7 B	1,470	1,520 J		**15**
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.1 U	0.2	**0.2**
Nickel	2.1	2.2	2.3	1.3	2.0 B	3.2 B	1.8 B	0.40 U	2.0 B	0.5 B	96	**40**
Potassium	5,550	8,280	6,300 J	6,640 J	5,440	6,680 J	5,620 J	3,550 B	5,390	7,500		**5,000**
Selenium	4.9 UJ	4.9	4.9 UJ	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	4.7 J	8.5	**5**
Silver	1.0	1.0	1.0	2.1	0.30 U	0.30 U	0.50 B	0.30 U	0.40 U	0.6 B	10	**10**
Sodium	30,000	48,900	44,800	48,400	33,100 J	49,400 J	59,600	31,700	40,100 J	65,700 J		**5,000**
Thallium	2.6	2.6	2.6	3.1	5.8 B	5.0 B	1.7 U	3.6 B	1.8 U	1.8 U	40	**10**
Vanadium	1.2	25.3	15.2	17.9	16.4 B	9.2 B	18.3 J	2.4 B	18.5 B	14.1 B		**50**
Zinc	0.7	0.7	9.2	1.1	19.5 B	5.5 B	10.9 J	10.0 B	14.3 B	0.5 U	86	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	26,400 J	14,700	13,100 J	17,600 J	13,200 J	1,730 J	6,970	1,370 J	3,550	882		
Antimony	4.0	4.0	4.0	4.1	2.4 UJ	2.4 U	2.4 UJ	2.4 U	1.6 U	1.6 U		
Arsenic	15.5	11.5	4.0	5.3	20.4	2.4 U	2.4 U	2.4 UJ	2.5 UJ	4.7 B		
Barium	204	152	118 J	124	119 B	53.1 J	64.6 B	29.0 B	49.7 J	52.0 J		
Beryllium	1.4	0.70	0.80	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.20 B	0.10 U		
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ		
Calcium	412,000	343,000	351,000	507,000	305,000	266,000	426,000	272,000	267,000 J	348,000 J		
Chromium	36.5 J	22.3	31.2 J	31.6	21.5 J	4.1 B	15.0 J	2.0 B	8.4 B	0.20 U		
Cobalt	26.2	16.1	13.4	16.5	14.1 B	3.3 B	5.0 B	1.1 B	2.5 B	0.9 B		
Copper	22.1	6.4	23.3	50.2 J	24.8 J	6.3 B	5.0 J	6.4 B	11.1 B	3.1 B		
Cyanide	0.7	3.1	0.6	0.6	0.60 U	10.3	0.60 U	0.60 U	0.60 U	1.90 B	10	**10**
Iron	56,900	36,100	32,100	40,600	33,700	4,620 J	15,600	2,700	7,590	2,360 J		
Lead	40.1	26.4 J	16.0	24.1	22.8 J	2.5 B	10.2 J	0.8 UJ	5.7	1.4 J		
Magnesium	96,100	77,500	83,700	114,000	73,500	56,600	103,000	70,700	64,600 J	82,700 J		
Manganese	3,250	2,860	2,150 J	2,160	2,390	1,220 J	734	164	1,060	687 J		
Mercury	0.1	0.1	0.1	0.10	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U		
Nickel	51.5	32.4	29.1	32.9	29.9 B	8.2 B	14.4 J	1.5 B	8.1 B	2.2 B		
Potassium	12,400 J	10,800	8,240 J	9,330 J	7,990 J	7,570 J	7,150	4,080 J	6,250	7,600 J		
Selenium	4.9	5.9 J	4.9 UJ	4.5 UJ	3.9 UJ	3.9 R	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ		
Silver	1.0 UJ	1.5	2.5	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U		
Sodium	37,900	50,100	45,300	46,900	38,500	54,800 J	63,500	30,100	36,600 J	65,400 J		
Thallium	2.6 UJ	2.6 UJ	2.6	3.1	4.7 B	7.4 J	1.7 U	4.1 B	1.8 U	1.8 UJ		
Vanadium	12.6	59.0	41.1	52.9	42.0 J	10.2 B	26.5 J	1.0 U	25.6 B	12.0 B		
Zinc	148 J	92	99	142 J	115	23.6	55.0 J	19.4 J	38.5	0.50 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
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10) UJ = A value less than the CRQL but greater than the MDL.
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14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
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Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for GW-64

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	14.8	14.8	29.1	15.4 U	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U		**200**
Antimony	4.0	4.0	4.0	4.1	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	60	**60**
Arsenic	4.0	4.0	4.0	5.3	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 U	20	**10**
Barium	35.0	44.6	34.3 J	35.7	40.6 B	40.2 J	42.0 B	43.1 B	48.6 J	48.4 B	1,000	**200**
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	5	**5**
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	5	**5**
Calcium	163,000	182,000	166,000	179,000	168,000	164,000	188,000	166,000	151,000 J	194,000		**5,000**
Chromium	4.2	4.5	2.5 J	2.3	2.7 B	3.1 B	3.6 B	0.4 B	3.3 B	0.2 U	11	**10**
Cobalt	0.70	0.70	0.70	0.40	0.20 U	0.20 U	0.80 B	1.00 B	2.0 B	0.4 B		**50**
Copper	1.4	1.4	3.8	0.70	4.9 B	3.5 B	7.2 B	2.8 B	3.5 B	0.6 B	25	**25**
Iron	12.9	12.9	12.9	8.1	59.2 B	8.5 U	21.6 B	8.5 U	8.1 U	8.1 U	7,000	**100**
Lead	1.8	1.8	1.8	2.1 UJ	0.80 U	0.80 U	0.80 U	0.80 U	**3.2**	1.2 U	4.2	**3**
Magnesium	52,400	58,000	52,500	57,100	51,700	49,600	58,800	54,000	51,500 J	62,900 J		**5,000**
Manganese	25.0	195.0 J	264.0 J	147	302	269	787	1150	2,080	619.0 J		**15**
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.2	**0.2**
Nickel	3.0	2.7	2.4	1.6	1.8 B	2.4 B	8.4 B	2.9 B	4.6 B	4.0 B	96	**40**
Potassium	8,910	12,400	7,530 J	9,720 J	7,890	8,920 J	20,100 J	12,400	17,100	17,100		**5,000**
Selenium	4.9 UJ	4.9	4.9 UJ	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 U	8.5	**5**
Silver	1.0 UJ	1.0	1.0	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.5 B	10	**10**
Sodium	42,800	53,900	35,600	42,200	36,700 J	39,600 J	55,300	39,400	41,300 J	52,900 J		**5,000**
Thallium	2.6	2.6	2.6	3.1	3.4 B	1.7 U	2.3 B	2.9 B	1.8 U	1.8 U	40	**10**
Vanadium	1.2	26.9	12.7	14.1	15.9 B	10.5 B	13.9 J	3.2 B	14.3 B	13.6 B		**50**
Zinc	0.7	0.7	7.8	1.1	12.6 B	10.2 B	6.4 J	7.4 B	10.2 B	0.5 U	86	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	6,580 J	10,000	15,900 J	11,000 J	13,700 J	1,780 J	15,600	1,730 J	583	333		
Antimony	4.0	4.0	4.0	4.1	2.4 UJ	2.4 U	2.4 UJ	2.4 UJ	1.6 U	1.6 U		
Arsenic	4.0	4.0	4.0	5.3	15.9	2.4 U	2.4 B	2.4 UJ	2.5 UJ	2.5 U		
Barium	58.2	70.5	79.3 J	73.0	74.8 B	49.8 J	84.9 B	39.7 B	56.2 J	49.3 J		
Beryllium	0.50	0.50	0.80	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ		
Calcium	194,000	229,000	277,000	280,000	230,000	186,000	252,000	228,000	167,000 J	206,000 J		
Chromium	13.5 J	19.1	41.2 J	23.4	25.4 J	5.4 B	25.8 J	2.3 B	4.8 B	0.20 U		
Cobalt	7.9	12.0	17.7	13.1	15.3 B	3.0 B	19.6 B	2.4 B	3.8 B	1.6 B		
Copper	1.4	1.4	11.7	36.2 J	14.9 J	6.8 B	3.4 J	5.6 B	5.2 B	1.1 B		
Cyanide	0.7	14.9	0.6	0.6	0.60 U	7.3 B	2.0 B	0.60 B	3.0 B	2.1 B	10	**10**
Iron	14,900	23,900	39,500	22,900	31,800	4,080 J	37,200	2,690	2,030	1,300 J		
Lead	6.8	10.9 J	8.3	12.1	10.9 J	2.1 B	11.8 J	0.8 UJ	1.8 B	2.9 J		
Magnesium	59,400	65,300	70,800	78,000	62,500	53,600	71,600	64,800	56,700 J	66,000 J		
Manganese	1,190	1,760	2,430 J	2,290	1,920	702 J	3,830	1,200	2,690	793 J		
Mercury	0.1	0.1	0.1	0.1	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U		
Nickel	15.9	25.3	36.0	25.7	32.0 B	5.7 B	39.1 J	4.4 B	7.0 B	6.3 B		
Potassium	9,990 J	14,100	11,200 J	17,000 J	11,900 J	8,710 J	22,100	10,400 J	20,800	20,400 J		
Selenium	4.9	4.9	4.9 UJ	4.5 UJ	3.9 UJ	3.9 R	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ		
Silver	1.0 UJ	1.0	4.3	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U		
Sodium	41,400	54,800	39,500	59,600	40,600	39,500 J	56,600	38,200	47,400 J	59,000 J		
Thallium	2.6 UJ	2.6 UJ	2.6	3.1	4.2 B	6.1 B	1.7 U	2.7 B	1.8 U	1.8 UJ		
Vanadium	1.2	44.4	41.1	34.2	36.8 J	12.9 B	38.2 J	1.0 U	18.3 B	9.2 B		
Zinc	31.9 J	52.4	88.5	78.9 J	93.0	16.2 B	79.6 J	22.3 J	14.0 B	0.50 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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.
16) Switch to different format for fourth quarter 2007

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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Mar-06	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08		
Inorganics - Metals (Dissolved)[14]	Insufficient Volume	Well Dry	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume				
Aluminum	—	—	—	—	—	—	—	—	15.4 U	88.5 B		200
Antimony	—	—	—	—	—	—	—	—	2.4 U	1.6 U	60	60
Arsenic	—	—	—	—	—	—	—	—	2.4 UJ	2.5 U	10	10
Barium	—	—	—	—	—	—	—	—	31.0 B	28.5 J	1,000	200
Beryllium	—	—	—	—	—	—	—	—	0.10 U	0.10 U	5	5
Cadmium	—	—	—	—	—	—	—	—	0.10 U	0.10 U	5	5
Calcium	—	—	—	—	—	—	—	—	169,000	190,000 J		5,000
Chromium	—	—	—	—	—	—	—	—	0.30 U	6.4 B	11	10
Cobalt	—	—	—	—	—	—	—	—	0.20 U	0.3 U		50
Copper	—	—	—	—	—	—	—	—	1.3 B	3.2 B	25	25
Iron	—	—	—	—	—	—	—	—	**124**	8.1 U	5,000	100
Lead	—	—	—	—	—	—	—	—	0.80 UJ	2.3 B	4.2	3
Magnesium	—	—	—	—	—	—	—	—	108,000	138,000 J		5,000
Manganese	—	—	—	—	—	—	—	—	0.30 U	0.20 U		15
Mercury	—	—	—	—	—	—	—	—	0.10 U	0.10 UJ	0.2	0.2
Nickel	—	—	—	—	—	—	—	—	0.40 U	0.40 U	96	40
Potassium	—	—	—	—	—	—	—	—	3,870 B	3980.0 B		5,000
Selenium	—	—	—	—	—	—	—	—	3.9 U	3.1 U	8.5	5
Silver	—	—	—	—	—	—	—	—	0.30 U	0.40 U	10	10
Sodium	—	—	—	—	—	—	—	—	30,000	31800.0 J		5,000
Thallium	—	—	—	—	—	—	—	—	3.8 B	1.8 U	40	10
Vanadium	—	—	—	—	—	—	—	—	1.0 U	29.1 B		50
Zinc	—	—	—	—	—	—	—	—	9.4 B	14.4 B	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	—	—	—	—	—	—	—	—	2,610	2,450		
Antimony	—	—	—	—	—	—	—	—	60.0 U	1.6 U		
Arsenic	—	—	—	—	—	—	—	—	10.0 UJ	2.5 UJ		
Barium	—	—	—	—	—	—	—	—	48.3 B	40.6 J		
Beryllium	—	—	—	—	—	—	—	—	0.10 B	0.10 U		
Cadmium	—	—	—	—	—	—	—	—	5.00 U	0.10 U		
Calcium	—	—	—	—	—	—	—	—	181,000	191000.0 J		
Chromium	—	—	—	—	—	—	—	—	6.7 B	12.5		
Cobalt	—	—	—	—	—	—	—	—	2.5 B	2.5 B		
Copper	—	—	—	—	—	—	—	—	6.7 B	9.1 B		
Cyanide	—	—	—	—	—	—	—	—	10.0 U	0.60 U	10	10
Iron	—	—	—	—	—	—	—	—	7,680	7,060		
Lead	—	—	—	—	—	—	—	—	4.4 J	7.7		
Magnesium	—	—	—	—	—	—	—	—	114,000	139,000 J		
Manganese	—	—	—	—	—	—	—	—	232	192		
Mercury	—	—	—	—	—	—	—	—	0.20 U	0.10 UJ		
Nickel	—	—	—	—	—	—	—	—	5.9 B	4.7 B		
Potassium	—	—	—	—	—	—	—	—	4,630 J	4,740 B		
Selenium	—	—	—	—	—	—	—	—	5.0 U	3.1 U		
Silver	—	—	—	—	—	—	—	—	10.00 U	0.40 U		
Sodium	—	—	—	—	—	—	—	—	31,600	32,500 J		
Thallium	—	—	—	—	—	—	—	—	4.1 B	2.5 B		
Vanadium	—	—	—	—	—	—	—	—	4.5 B	34.3 B		
Zinc	—	—	—	—	—	—	—	—	31.5 J	30.7		
Volatile Organic Compounds (VOCs)	BRL	—	BRL	—	BRL	BRL	—	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	—	—	BRL	—	—	BRL	—	BRL	BRL	—		
Pesticides / PCBs	—	—	BRL	—	—	—	—	BRL	BRL	—		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]										No Flow		
Aluminum	14.8	14.8	22.7	16.4	15.4 U	19.7 B	15.4 U	15.4 U	26.0 B	—		200
Antimony	4.0	4.0	4.0	5.7	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	—	60	60
Arsenic	4.0	4.0	4.0 UJ	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	—	20	10
Barium	43.6	50.9	41.3	37.8	45.4 B	67.6 B	36.5 B	37.9 B	44.8 B	—	1,000	200
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	5	5
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	5	5
Calcium	72,300	94,600	80,300 J	84,900	74,800	103,000	69,800	77,300	80,600	—		5,000
Chromium	1.8	1.8	2.8	1.8	1.1 B	2.4 B	1.7 B	0.8 B	1.4 B	—	11	10
Cobalt	0.70	0.70	0.70	0.60	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	—		50
Copper	1.4	1.4	1.4	0.7	4.1 B	0.7 U	4.2 J	3.3 B	2.3 B	—	25	25
Iron	14.4	12.9	12.9	10.5	9.3 B	10.2 B	43.7 B	8.5 U	8.1 U	—	7,000	100
Lead	1.8	1.8	1.8	1.4 UJ	0.80 U	0.80 U	0.80 U	0.80 U	1.8 B	—	4.2	3
Magnesium	22,100	25,100	22,700 J	21,200	22,900	29,200	17,400	20,200	21,100	—		5,000
Manganese	1.9	2.3	2.9 J	7.5	13.7 B	3.5 B	4.0 B	0.3 U	0.40 B	—		15
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.2	0.2
Nickel	0.50	0.50	0.50	0.40	0.40 U	0.40 U	0.40 U	0.40 U	0.50 B	—	96	40
Potassium	2,860 J	3,370	2,590 J	2,830	3,130 B	4,760 J	2,410 B	1,640 B	2,640 B	—		5,000
Selenium	4.9 UJ	4.9	4.9 R	3.5 R	3.9 U	3.9 UJ	3.9 UJ	3.9 U	3.1 U	—	8.5	5
Silver	1.0	1.0	1.0	1.1	0.30 U	0.30 B	0.30 U	0.30 U	0.40 U	—	10	10
Sodium	45,900	45,100	29,800 J	79,400	42,400	42,500	42,400	56,300	34,500	—		5,000
Thallium	2.6	2.6	2.6	4.1	3.0 B	3.3 B	3.1 B	3.1 B	3.5 B	—	40	10
Vanadium	1.2	15.2	1.2	7.0	9.7 B	1.1 B	2.8 B	1.0 U	6.5 B	—		50
Zinc	1.3	**73.6** J	0.70	1.1	3.1 B	8.8 B	8.9 B	8.0 B	10.6 B	—	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	36.7	14.8	82.1	609	15.4 U	36.9 B	302	111 B	299	—		
Antimony	4.0	4.0	4.0	4.0	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	—		
Arsenic	4.0	4.0	4.0 UJ	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	—		
Barium	43.6	49.6	42.8	42.2	43.9 B	68.8 B	40.5 B	39.0 B	47.3 B	—		
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—		
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—		
Calcium	72,200	92,800	82,300	85,300	71,900	106,000	74,100	78,300	78,000	—		
Chromium	1.8	1.7	3.0	3.0	1.0 B	2.5 B	2.1 B	0.70 B	1.9 B	—		
Cobalt	0.70	0.70	0.70	0.60	0.20 U	0.20 U	0.20 J	0.20 U	0.30 U	—		
Copper	1.4	1.4	1.5	0.70	3.8 B	0.70 U	4.7 B	3.5 B	3.3 B	—		
Cyanide	0.60	2.1	0.60	0.60	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	—	10	10
Iron	19.3	12.9	140 J	1010	35.1 B	71.7 B	508 J	142	525	—		
Lead	1.8	1.8	1.8	1.4 UJ	0.8 U	0.9 J	0.80 U	0.80 U	2.0 B	—		
Magnesium	22,100	24,800	22,900 J	21,500	21,900	29,600	17,700	20,900	20,600	—		
Manganese	3.3	3.9	6.4 J	28.7	6.5 B	5.8 B	36.0 J	1.5 B	24.1	—		
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—		
Nickel	0.50	0.50	0.50	0.40	2.9 B	0.40 U	0.40 U	0.40 U	0.60 B	—		
Potassium	2,880 J	3,240	2,660 J	2,960	3,020 B	4,870 J	2,430 J	1,680 B	2,640 B	—		
Selenium	4.9 UJ	4.9 UJ	4.9	3.5 UJ	3.9 U	3.9 UJ	3.9 U	3.9 U	3.1 U	—		
Silver	1.0	1.0	1.0	1.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	—		
Sodium	46,300	43,900	30,800 J	78,600	41,300	43,000 J	42,100 J	57,900	33,600	—		
Thallium	2.6	2.6	2.6	4.1	1.7 U	2.8 B	1.7 U	5.4 B	2.8 B	—		
Vanadium	1.2	15.5	1.2	8.4	7.6 B	2.6 B	3.1 B	1.0 U	5.2 B	—		
Zinc	1.3	4.5	1.8	1.1	3.1 B	2.6 B	6.3 B	8.9 B	12.0 B	—		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	—		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	—		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	—		

Notes:
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6) — = No Sample Available (Well Dry or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)											
	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	14.8	14.8	16.4	15.4 U	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U		**200**
Antimony	4.0	4.0	4.0	4.0	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	60	**60**
Arsenic	4.0	4.0	4.0 UJ	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 UJ	20	**10**
Barium	48.3	49.9	42.7	41.6	42.4 B	60.1 B	42.5 B	41.0 B	47.9 B	43.2 B	1,000	**200**
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	5	**5**
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	5	**5**
Calcium	83,100	92,900	82,400 J	103,000	68,700	97,600	88,800	84,500	80,400	81,100		**5,000**
Chromium	1.8	1.8	2.8	2.3	1.1 B	2.0 B	2.4 B	0.60 B	1.4 B	0.20 U	11	**10**
Cobalt	0.70	0.70	0.70	0.60	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U		**50**
Copper	1.4	1.4	1.4	0.70	3.8 B	0.70 U	4.1 J	3.1 B	3.4 B	1.7 B	25	**25**
Iron	12.9	12.9	21.5 J	10.5	12.6 B	11.3 B	8.9 B	8.5 U	8.1 U	8.1 U	7,000	**100**
Lead	1.8	1.8	1.8	1.4 UJ	0.8 U	0.8 U	0.80 U	0.80 U	1.2 B	1.5 B	4.2	**3**
Magnesium	23,500	25,700	23,000 J	28,400	22,300	26,600	21,600	22,100	21,900	25,600 J		**5,000**
Manganese	6.0	2.7	6.3 J	4.4	22.4	20.7	2.0 B	0.3 U	1.7 B	31.4		**15**
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2	**0.2**
Nickel	0.60	0.50	0.50	0.40	0.60 B	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	96	**40**
Potassium	2,770 J	3,300	2,770 J	2,520	3,230 B	4,290 J	2,220 B	1,740 B	2,760 B	3,540 B		**5,000**
Selenium	4.9 UJ	4.9	4.9 R	3.5 R	3.9 U	3.9 UJ	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	8.5	**5**
Silver	1.0	1.0	1.0	1.1	0.3 U	0.3 U	0.30 U	0.30 U	0.40 U	1.50 B	10	**10**
Sodium	45,200	45,800	30,200 J	61,900	42,800	41,300 J	42,100	61,400	37,000	42,800 J		**5,000**
Thallium	2.6	2.6	2.6	4.1	2.7 B	2.9 B	1.7 U	6.8 B	1.8 U	3.0 BJ	40	**10**
Vanadium	1.2	15.6	1.2	8.0	5.9 B	2.2 B	4.0 B	1.5 B	4.8 B	4.8 B		**50**
Zinc	1.9	2.8 J	5.1	1.1	5.4 B	5.0 B	1.1 U	8.1 B	12.1 B	0.50 U	86	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	36.2	23.4	512.0	60.4	15.4 U	53.5 B	98.8 B	117.0 B	44.8 B	15.3 U		
Antimony	4.0	4.0	4.0	4.0	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U		
Arsenic	4.0	4.0	4.0 UJ	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	3.7 B		
Barium	48.2	48.4	30.0	42.6	39.5 B	61.8 B	40.7 B	40.2 B	42.1 B	50.4 J		
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Calcium	82,800	89,600	94,200 J	105000	69,300	99,800	82,400	81,900	72,700	87,200 J		
Chromium	2.0	1.8	2.8	2.5	1.1 B	2.3 B	1.9 B	0.6 B	1.3 B	0.20 U		
Cobalt	0.70	0.70	1.10	0.60	0.20 U	0.20 U	0.20 U	0.20 U	3.0 U	0.30 U		
Copper	1.4	1.4	1.4	0.70	3.9 B	0.70 U	3.8 J	3.2 B	2.4 B	3.0 B		
Cyanide	0.60	0.70	0.60	0.60	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	1.0 B	10	**10**
Iron	55.9	12.9	916.0 J	77.8	64.4 B	69.0 B	174 J	144	79.7 B	84.3 J		
Lead	1.8	1.8	1.8	1.4 UJ	0.8 U	1.1 J	0.80 U	0.80 U	1.7 B	1.7 B		
Magnesium	23,600	24,600	19,200 J	28900	22,200	26,900	20,700	21,100	19,700	27,100 J		
Manganese	7.7	5.1	49.5 J	6.2	20.9	23.7	5.3 J	1.9 B	4.6 B	82.4 J		
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Nickel	0.50	0.50	0.50	0.40	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U		
Potassium	2,810 J	3,200	3,200 J	2,780	3,190 B	4,430 J	2,130 J	1,710 B	2,470 B	3,680 J		
Selenium	4.9 UJ	4.9 UJ	4.9	3.5	3.9 U	3.9 UJ	3.90 UJ	3.90 U	3.1 UJ	3.1 U		
Silver	1.0	1.0	1.0	1.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U		
Sodium	46,400	44,500	6,610 J	62,800	41,700	42,100 J	40,400 J	59,000 J	33,300	45,000 J		
Thallium	2.6	2.6	2.6	4.1	1.9 B	2.9 B	1.7 U	4.4 B	1.8 U	4.1 B		
Vanadium	1.2	15.5	1.2	8.6	8.9 B	1.2 B	2.5 B	1.0 U	4.1 B	11.8 B		
Zinc	0.7	2.9	13.3	1.1	8.2 B	3.2 B	1.5 B	9.1 B	9.8 B	0.50 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]												
Aluminum	15.7	14.8	14.8	16.4	15.4 U	18.5 B	15.4 U	15.4 U	26.7 B	15.3 U		**200**
Antimony	4.0	4.0	4.0	4.0	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	60	**60**
Arsenic	4.0	4.0	4.0 UJ	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 UJ	20	**10**
Barium	48.0	53.1	43.8	44.8	47.4 B	64.7 B	41.6 B	39.2 B	48.5 B	113 B	1,000	**200**
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	5	**5**
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	5	**5**
Calcium	83,100	98,800	82,200 J	108,000	74,700	105,000	87,300	80,100	80,700	125,000		**5,000**
Chromium	1.8	2.0	2.9	4.3	1.1 B	2.2 B	2.0 B	0.50 B	1.6 B	0.20 U	11	**10**
Cobalt	0.70	0.70	0.70	0.60	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U		**50**
Copper	1.4	1.4	2.0	0.70	3.9 B	0.70 U	4.0 J	4.6 B	3.6 B	1.6 B	25	**25**
Iron	12.9	12.9	18.3 J	10.5	8.5 U	27.1 B	10.9 B	8.5 U	8.1 U	17.5 B	7,000	**100**
Lead	1.8	1.8	1.8	1.4 UJ	0.8 U	1.0 J	0.80 U	1.50 B	1.7 B	**3.6**	4.2	**3**
Magnesium	23,200	26,300	23,300 J	30,300	21,700	27,100	21,600	21,100	22,300	29,100 J		**5,000**
Manganese	4.9	6.0	13.8 J	6.2	21.4	25.9	2.2 B	0.30 U	4.6 B	295		**15**
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2	**0.2**
Nickel	0.50	0.50	0.50	0.40	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	96	**40**
Potassium	2,690 J	3,390	2,730 J	2,330	3,070 B	4,370 J	2,180 B	1,630 B	2,710 B	3,490 B		**5,000**
Selenium	4.9 UJ	4.9	4.9 R	3.5 R	3.9 U	3.9 UJ	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	8.5	**5**
Silver	1.0	1.0	1.0	1.1	0.30 U	0.40 B	0.30 U	0.30 U	0.40 U	0.40 U	10	**10**
Sodium	46,100	48,200	30,500 J	65,200	41,800	42,200 J	42,500	59,700	37,900	37,700 J		**5,000**
Thallium	2.6	2.6	2.6	4.1	1.9 B	3.9 B	2.0 B	3.4 B	1.8 U	6.8 J	40	**10**
Vanadium	1.2	14.7	1.2	8.3	8.9 B	2.9 B	3.9 B	1.9 B	4.9 B	10.2 B		**50**
Zinc	0.7	3.7 J	2.9	1.1	2.3 B	3.6 B	1.6 B	8.8 B	**24.7**	0.50 U	86	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	33.6	21.4	118	109	139 B	106 B	68.3 B	154 B	117 B	15.3 U		
Antimony	4.0	4.0	4.0	4.0	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U		
Arsenic	4.0	4.0	4.0 UJ	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	3.5 B		
Barium	48.6	52.2	46.6	42.5	50.2 B	66.5 B	40.9 B	41.0 B	42.4 B	60.5 J		
Beryllium	0.50	0.50	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Cadmium	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Calcium	83,700	95,300	86,800 J	104,000	77,900	106,000	82,600	81,700	77,900	97,500 J		
Chromium	1.6	2.0	3.0	1.0	1.3 B	2.2 B	2.1 B	0.70 B	1.9 B	0.20 B		
Cobalt	0.70	0.70	0.70	0.60	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U		
Copper	1.4	1.4	2.3	0.70	4.3 B	0.70 U	3.8 J	3.9 B	3.3 B	2.8 B		
Cyanide	0.60	0.60	0.60	0.60	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	1.0 B	10	**10**
Iron	49.3	12.9	204 J	142	341	145	168 J	214.0	139	298 J		
Lead	1.8	1.8	1.8	1.4 UJ	0.80 U	0.80 U	0.80 U	0.80 U	1.8 B	2.7 B		
Magnesium	23,100	26,000	24,200 J	29,900	22,700	27,100	20,500	21,300	20,800	28,200 J		
Manganese	7.8	11.2	20.4 J	8.8	43.7	37.4	5.7 J	3.7 B	9.8 B	173.0 J		
Mercury	0.10	0.10	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Nickel	0.50	0.50	0.50	0.40	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U		
Potassium	2,780 J	3,300	2,930 J	2,790	3,250	4,460 J	2,070 J	1,730 B	2,610 B	3,930 J		
Selenium	4.9 UJ	4.9 UJ	4.9	3.5	3.9 U	3.9 UJ	3.90 UJ	3.9 U	3.1 UJ	3.1 U		
Silver	1.0	1.0	1.0	1.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U		
Sodium	48,200	46,000	32,300 J	66,300	44,100	43,400 J	40,500 J	60,700	36,900	47,500 J		
Thallium	2.6	2.6	2.6	4.1	4.5 B	4.1 B	3.4 B	4.2 B	1.9 B	4.0 B		
Vanadium	1.2	16.2	1.2	9.5	6.8 B	2.7 B	3.2 B	1.3 B	6.2 B	12.0 B		
Zinc	6.2	3.9	1.9	1.1	6.9 B	3.2 B	1.1 U	9.6 B	17.3 B	0.50 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]	Location Dry	Location Dry	Location Dry	Location Dry	Location Dry				Location Dry		
Aluminum	—	—	—	—	—	15.4 U	15.4 U	15.3 U	—		**200**
Antimony	—	—	—	—	—	2.4 U	2.4 U	1.6 U	—	**60**	**60**
Arsenic	—	—	—	—	—	2.4 U	2.4 U	2.5 U	—	**20**	**10**
Barium	—	—	—	—	—	31.3 B	18.1 B	41.8 J	—	**1,000**	**200**
Beryllium	—	—	—	—	—	0.10 U	0.10 U	0.10 U	—	**5**	**5**
Cadmium	—	—	—	—	—	0.10 U	0.10 U	0.10 U	—	**5**	**5**
Calcium	—	—	—	—	—	85,000	51,200	59,100 J	—		**5,000**
Chromium	—	—	—	—	—	1.2 B	0.30 U	1.0 B	—	**11**	**10**
Cobalt	—	—	—	—	—	0.20 U	0.20 U	0.30 U	—		**50**
Copper	—	—	—	—	—	2.0 J	2.1 B	4.7 B	—	**25**	**25**
Iron	—	—	—	—	—	8.5 U	8.5 U	10.6 B	—	**7,000**	**100**
Lead	—	—	—	—	—	0.80 U	0.80 U	1.9 B	—	**4.2**	**3**
Magnesium	—	—	—	—	—	13,800	8,700	8,500 J	—		**5,000**
Manganese	—	—	—	—	—	0.3 U	0.30 U	1.3 B	—		**15**
Mercury	—	—	—	—	—	0.10 U	0.10 U	0.10 UJ	—	**0.2**	**0.2**
Nickel	—	—	—	—	—	0.40 U	0.40 U	0.60 B	—	**96**	**40**
Potassium	—	—	—	—	—	3,250 B	2,570 B	5,580	—		**5,000**
Selenium	—	—	—	—	—	3.9 UJ	3.9 U	3.1 U	—	**8.5**	**5**
Silver	—	—	—	—	—	0.30 U	0.30 U	0.40 U	—	**10**	**10**
Sodium	—	—	—	—	—	1,260 B	1,670 B	2,400 J	—		**5,000**
Thallium	—	—	—	—	—	1.8 B	3.0 B	2.1 B	—	**40**	**10**
Vanadium	—	—	—	—	—	2.0 B	1.0 U	1.9 B	—		**50**
Zinc	—	—	—	—	—	81.2	**42.8**	**227**	—	**86**	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	—	—	—	—	—	15.4 U	209	921	—		
Antimony	—	—	—	—	—	2.4 U	2.4 U	1.6 U	—		
Arsenic	—	—	—	—	—	2.4 U	2.4 U	2.5 UJ	—		
Barium	—	—	—	—	—	33.1 B	18.8 B	47.9 J	—		
Beryllium	—	—	—	—	—	0.10 U	0.10 U	0.10 U	—		
Cadmium	—	—	—	—	—	0.10 U	0.10 U	0.10 U	—		
Calcium	—	—	—	—	—	91,100	52,000	5,800 J	—		
Chromium	—	—	—	—	—	1.3 B	0.60 B	2.1 B	—		
Cobalt	—	—	—	—	—	0.20 U	0.20 U	0.80 B	—		
Copper	—	—	—	—	—	2.5 J	2.2 B	6.8 B	—		
Cyanide	—	—	—	—	—	0.60 U	0.60 U	0.60 B	—	**10**	**10**
Iron	—	—	—	—	—	72.8 J	361.0	1,760	—		
Lead	—	—	—	—	—	0.80 U	0.80 U	3.1	—		
Magnesium	—	—	—	—	—	14,600	8790.0	8,730	—		
Manganese	—	—	—	—	—	3.8 J	5.4 B	27.3	—		
Mercury	—	—	—	—	—	0.10 U	0.10 U	0.10 UJ	—		
Nickel	—	—	—	—	—	0.40 U	0.40 U	2.2 B	—		
Potassium	—	—	—	—	—	3,490 J	2,580 B	6,000	—		
Selenium	—	—	—	—	—	3.9 UJ	3.9 U	3.1 UJ	—		
Silver	—	—	—	—	—	0.30 U	0.30 U	0.40 U	—		
Sodium	—	—	—	—	—	1,290 J	1690.0 B	2,370 J	—		
Thallium	—	—	—	—	—	4.0 B	4.6 B	1.8 U	—		
Vanadium	—	—	—	—	—	1.5 B	1.0 U	2.6 B	—		
Zinc	—	—	—	—	—	85.6	47.6	233	—		
Volatile Organic Compounds (VOCs)	—	—	—	—	—	BRL	BRL	BRL	—		
Semi-Volatile Organic Compounds (SVOCs)	—	—	—	—	—	BRL	BRL	BRL	—		
Pesticides / PCBs	—	—	—	—	—	BRL	BRL	BRL	—		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Nov-07	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]	Location Dry	Location Dry	Location Dry		Location Dry	Location Dry				Location Dry		
Aluminum	—	—	—	43.2	—	—	15.4 U	15.4 U	15.3 U	—		**200**
Antimony	—	—	—	4.0	—	—	2.4 U	2.4 U	1.6 U	—	60	**60**
Arsenic	—	—	—	3.8	—	—	2.4 U	2.4 U	2.5 U	—	20	**10**
Barium	—	—	—	22.5	—	—	21.1 B	20.8 B	45.3 B	—	1,000	**200**
Beryllium	—	—	—	0.10	—	—	0.10 U	0.10 U	0.10 U	—	5	**5**
Cadmium	—	—	—	0.10	—	—	0.10 U	0.10 U	0.10 U	—	5	**5**
Calcium	—	—	—	129,000	—	—	173,000	109,000	117,000	—		**5,000**
Chromium	—	—	—	2.3	—	—	4.0 B	0.50 B	2.0 B	—	11	**10**
Cobalt	—	—	—	0.60	—	—	0.20 J	0.20 U	0.30 U	—		**50**
Copper	—	—	—	0.70	—	—	5.3 B	3.0 B	3.0 B	—	25	**25**
Iron	—	—	—	10.5	—	—	8.5 U	8.5 U	8.1 U	—	7,000	**100**
Lead	—	—	—	1.4 UJ	—	—	0.8 U	0.8 U	1.2 U	—	4.2	**3**
Magnesium	—	—	—	33,000	—	—	50,200	31,200	33,600	—		**5,000**
Manganese	—	—	—	1.3	—	—	1.7 B	0.30 U	0.20 U	—		**15**
Mercury	—	—	—	0.10	—	—	0.10 U	0.10 U	0.10 U	—	0.2	**0.2**
Nickel	—	—	—	0.40	—	—	0.40 U	0.40 U	0.40 U	—	96	**40**
Potassium	—	—	—	2,420	—	—	2,640 B	1,870 B	2,730 B	—		**5,000**
Selenium	—	—	—	3.5 R	—	—	3.9 UJ	3.9 U	3.1 U	—	8.5	**5**
Silver	—	—	—	1.1	—	—	0.30 B	0.30 U	0.40 U	—	10	**10**
Sodium	—	—	—	2,500	—	—	2,330 B	2,350 B	2,470 B	—		**5,000**
Thallium	—	—	—	4.1	—	—	3.6 B	5.0 B	1.8 B	—	40	**10**
Vanadium	—	—	—	9.3	—	—	6.4 B	1.0 U	9.8 B	—		**50**
Zinc	—	—	—	1.1	—	—	2.3 B	9.9 B	10.0 B	—	86	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	—	—	—	23.2	—	—	15.4 U	15.4 U	15.3 U	—		
Antimony	—	—	—	4.0	—	—	2.4 U	2.4 U	1.6 U	—		
Arsenic	—	—	—	3.8	—	—	2.4 U	2.4 U	2.5 U	—		
Barium	—	—	—	21.5	—	—	20.1 B	19.5 B	44.9 B	—		
Beryllium	—	—	—	0.1	—	—	0.10 U	0.10 U	0.10 U	—		
Cadmium	—	—	—	0.1	—	—	0.10 U	0.10 U	0.10 U	—		
Calcium	—	—	—	130,000	—	—	166,000	108,000	118,000	—		
Chromium	—	—	—	2.0	—	—	3.8 B	0.5 B	1.8 B	—		
Cobalt	—	—	—	0.60	—	—	0.20 U	0.20 U	0.30 U	—		
Copper	—	—	—	0.70	—	—	5.1 J	2.8 B	2.7 B	—		
Cyanide	—	—	—	0.60	—	—	0.60 U	0.60 U	0.70 B	—	10	**10**
Iron	—	—	—	54.2	—	—	8.50 J	8.50 U	8.1 U	—		
Lead	—	—	—	1.4 UJ	—	—	0.80 U	0.80 U	1.2 U	—		
Magnesium	—	—	—	32,000	—	—	48,600	30,100	32,600	—		
Manganese	—	—	—	2.7	—	—	1.1 J	0.30 U	0.20 U	—		
Mercury	—	—	—	0.10	—	—	0.10 U	0.10 U	0.10 U	—		
Nickel	—	—	—	1.1	—	—	0.40 B	0.40 U	0.40 U	—		
Potassium	—	—	—	2,310	—	—	2,520 J	1,810 B	2,650 B	—		
Selenium	—	—	—	3.5	—	—	3.90 U	3.90 U	3.1 U	—		
Silver	—	—	—	1.1	—	—	0.30 B	0.30 U	0.40 U	—		
Sodium	—	—	—	2,320	—	—	2,190 J	1,930 B	2,300 B	—		
Thallium	—	—	—	4.1	—	—	2.3 B	4.6 B	1.8 U	—		
Vanadium	—	—	—	8.9	—	—	5.3 B	1.0 U	8.8 B	—		
Zinc	—	—	—	1.1	—	—	1.3 B	12.4 B	9.0 B	—		
Volatile Organic Compounds (VOCs)	—	—	—	BRL	—	—	BRL	BRL	BRL	—		
Semi-Volatile Organic Compounds (SVOCs)	—	—	—	BRL	—	—	BRL	BRL	BRL	—		
Pesticides / PCBs	—	—	—	BRL	—	—	BRL	BRL	BRL	—		

Notes:

2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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

	Quarterly Sampling Results (All Results Expressed in Units of mg/l)											
Compound	**Jun-06**	**Sep-06**	**Nov-06**	**Mar-07**	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]	Location Dry					Location Dry				Location Dry		
Aluminum	—	14.8	14.8	16.4	14.5 U	—	15.4 U	15.4 U	28.6 B	—		**200**
Antimony	—	4	4.0	4.0	2.4 U	—	2.4 U	2.4 U	1.6 U	—	**60**	**60**
Arsenic	—	4	4.0 UJ	3.8	2.4 U	—	2.4 U	2.4 U	2.5 U	—	**20**	**10**
Barium	—	30.6	26.6	25.1	29.7 B	—	31.1 B	5.6 B	9.5 J	—	**1,000**	**200**
Beryllium	—	0.5	0.5	0.1	0.10 U	—	0.10 U	0.10 U	0.10 U	—	**5**	**5**
Cadmium	—	0.1	0.1	0.1	0.10 U	—	0.10 U	0.10 U	0.10 U	—	**5**	**5**
Calcium	—	82,600	93,200 J	97,800	91,400	—	93,300	23,200	22,200 J	—		**5,000**
Chromium	—	1.2	2.5	2.6	1.0 B	—	1.5 B	0.30 U	0.4 B	—	**11**	**10**
Cobalt	—	0.7	0.7	0.6	0.20 U	—	0.20 U	0.20 U	0.30 U	—		**50**
Copper	—	1.4	1.4	0.7	5.4 B	—	2.9 J	1.2 B	1.3 B	—	**25**	**25**
Iron	—	12.9	12.9 J	12.7	8.5 U	—	8.5 U	8.5 U	60.2 B	—	**7,000**	**100**
Lead	—	1.8	1.8	1.4 UJ	0.80 U	—	0.80 U	0.80 U	1.2 U	—	**4.2**	**3**
Magnesium	—	18,400	19,000 J	22,100	21,100	—	10,900	2,370 B	2,120 J	—		**5,000**
Manganese	—	0.9	13.7 J	45.2	10.7 B	—	0.30 U	0.30 U	4.0 B	—		**15**
Mercury	—	0.10	0.10	0.10	0.10 U	—	0.10 U	0.10 U	0.10 UJ	—	**0.2**	**0.2**
Nickel	—	0.50	0.50	0.40	0.40 U	—	0.40 U	0.40 U	0.90 B	—	**96**	**40**
Potassium	—	3,540	3,090 J	2,830	5,970	—	2,080 B	2,060 B	7,440	—		**5,000**
Selenium	—	4.9	4.9 R	3.5 R	3.9 U	—	3.9 UJ	3.9 U	3.1 U	—	**8.5**	**5**
Silver	—	1	1.0	1.1	0.30 U	—	0.30 U	0.30 U	0.40 U	—	**10**	**10**
Sodium	—	6,540	6,640 J	7,260	12,400	—	298 B	572 B	440 J	—		**5,000**
Thallium	—	2.6	2.6	4.1	3.1 B	—	1.7 U	4.0 B	3.4 B	—	**40**	**10**
Vanadium	—	13.8	1.2	5.7	6.1 B	—	2.3 B	1.0 U	0.80 U	—		**50**
Zinc	—	51.6	0.7	1.1	2.8 B	—	4.4 B	5.5 B	14.7 B	—	**86**	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	—	4030	497.0	723	194.0 B	—	15.4 U	133 B	351	—		
Antimony	—	4.0	4.0	4.0	2.4 U	—	2.4 U	2.4 U	1.6 U	—		
Arsenic	—	4.0	4.0 UJ	3.8	2.4 U	—	2.4 U	2.4 U	2.5 UJ	—		
Barium	—	55.3	28.4	29.1	30.2 B	—	26.9 B	6.3 B	11.6 J	—		
Beryllium	—	0.5	0.5	0.1	0.10 U	—	0.10 U	0.10 U	0.10 U	—		
Cadmium	—	0.1	0.1	0.1	0.10 U	—	0.10 U	0.10 U	0.10 U	—		
Calcium	—	94100	88700 J	101000	90,300	—	86,900	23,200	21,900 J	—		
Chromium	—	5.2	2.9	4.1	1.3 B	—	0.90 B	0.40 B	0.70 B	—		
Cobalt	—	2.4	0.8	0.60	0.20 U	—	0.20 U	0.40 B	0.30 U	—		
Copper	—	1.4	1.4	0.70	5.3 B	—	2.0 J	1.1 B	2.3 B	—		
Cyanide	—	0.60	0.60	0.60	0.60 U	—	0.60 U	0.60 U	0.60 B	—	**10**	**10**
Iron	—	7240	968 J	1250	376	—	15.5 J	227	661	—		
Lead	—	6.0 J	1.8	1.4 UJ	0.80 U	—	0.80 U	0.90 B	2.2 B	—		
Magnesium	—	20500	18400 J	22800	20,600	—	10,100	2,310 B	2,190 J	—		
Manganese	—	271.0	46.9 J	79.0	22.3	—	0.3 U	1.8 B	29.7	—		
Mercury	—	0.1	0.1	0.1	0.10 U	—	0.10 U	0.10 U	0.10 U	—		
Nickel	—	4.8	0.5	1.4	0.40 U	—	0.40 U	0.40 U	1.4 UJ	—		
Potassium	—	4360	2980 J	3120	5,900	—	1,970 J	2,080 B	7,630	—		
Selenium	—	4.9	4.9	3.5 UJ	3.9 U	—	3.9 U	3.9 U	3.1 UJ	—		
Silver	—	1.0	1.0	1.1	0.30 U	—	0.30 U	0.30 U	0.40 U	—		
Sodium	—	6640	6270 J	7310	12,100	—	65.0 J	557 B	352 J	—		
Thallium	—	2.6 UJ	2.6	4.1	3.2 B	—	1.7 U	1.7 U	2.6 B	—		
Vanadium	—	23.5	1.2	7.6	6.4 B	—	1.0 U	1.0 U	0.80 U	—		
Zinc	—	134	4	3	2.0 B	—	1.5 B	6.8 B	16.9 B	—		
Volatile Organic Compounds (VOCs)	—	BRL	BRL	BRL	BRL	—	BRL	BRL	BRL	—		
Semi-Volatile Organic Compounds (SVOCs)	—	BRL	BRL	BRL	BRL	—	BRL	BRL	BRL	—		
Pesticides / PCBs	—	BRL	BRL	BRL	BRL	—	BRL	BRL	BRL	—		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-24

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]	Not Sampled	Annual	Annual	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled	Not Sampled		
Aluminum		14.8	29.1				15.6 B				200
Antimony		4.0	4.1				2.4 U			60	60
Arsenic		4.0	5.3				3.7 B			20	10
Barium		67.9	77.9				86.7 B			1,000	200
Beryllium		0.50	0.10				0.10 U			5	5
Cadmium		0.10	0.10				0.10 U			5	5
Calcium		102,000	133,000				119,000				5,000
Chromium		1.5	0.80				0.30 U			11	10
Cobalt		0.70	0.40				0.20 U				50
Copper		1.4	0.70				1.6 B			25	25
Iron		711	688				**514.0**			7,000	100
Lead		1.8	2.1 UJ				1.80 B			4.2	3
Magnesium		23,700	28,000				25,900				5,000
Manganese		200	109				96.1				15
Mercury		0.10	0.10				0.10 U			0.2	0.2
Nickel		0.50	0.80				0.40 U			96	40
Potassium		2,870	2,610 J				2,520 B				5,000
Selenium		4.9 UJ	4.5 UJ				3.9 U			8.5	5
Silver		1.0	2.1				0.30 U			10	10
Sodium		36,200	12,800				15,700 B				5,000
Thallium		2.6	3.1				6.7 B			40	10
Vanadium		14.0	8.0				1.0 U				50
Zinc		2.2 J	1.1				12.5 B			86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum		30,900	26,000 J				4,870 J				
Antimony		4.0	4.2				2.4 U				
Arsenic		25.6	6.6 J				2.4 UJ				
Barium		209	194				109 B				
Beryllium		1.9	0.80				0.20 B				
Cadmium		0.10	0.10				0.10 U				
Calcium		551000	685000				171,000				
Chromium		73.1	49.4				8.2 B				
Cobalt		33.2	25.4				5.0 B				
Copper		42.4	56.7 J				9.9 B				
Cyanide		1.2	0.60				1.30 B			10	10
Iron		69100	57900				11,600				
Lead		37.5 J	30.1				4.3 J				
Magnesium		83500	85500				35,000				
Manganese		2490	2650				420				
Mercury		0.10	0.10				0.10 U				
Nickel		67.3	55.2				9.4 B				
Potassium		9960	9230 J				4,020 J				
Selenium		4.9 UJ	4.9 J				3.9 U				
Silver		9.7	2.1				0.30 U				
Sodium		36400	16100				15,100				
Thallium		2.6	3.1				1.9 B				
Vanadium		94.6	273.0				6.9 B				
Zinc		202	0.6 J				44.9 J				
Volatile Organic Compounds (VOCs)		BRL	BRL				BRL				
Semi-Volatile Organic Compounds (SVOCs)		BRL	BRL				BRL				
Pesticides / PCBs		BRL	BRL				BRL				

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-26

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]	Not Sampled	Annual	Annual	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled	Not Sampled		
Aluminum		14.8	29.1				19.0 B				200
Antimony		4.0	4.1				2.4 U			60	60
Arsenic		4.0	5.3				2.4 U			20	10
Barium		**449**	**417**				**290.0**			1,000	200
Beryllium		0.5	0.1				0.10 U			5	5
Cadmium		0.1	0.1				0.10 U			5	5
Calcium		72,600	78,300				79,200				5,000
Chromium		3.0	2.6				0.30 U			11	10
Cobalt		0.7	0.4				0.40 B				50
Copper		1.4	0.7				1.8 B			25	25
Iron		**707**	88.8				42.8 B			7,000	100
Lead		1.8	2.1 UJ				1.10 B			4.2	3
Magnesium		40,600	42,400				40,900				5,000
Manganese		91.5	83.5				64.1				15
Mercury		0.1	0.1				0.10 U			0.2	0.2
Nickel		0.5	0.8				0.40 U			96	40
Potassium		20,800	24,500 J				16,300				5,000
Selenium		4.9	4.5 UJ				3.9 U			8.5	5
Silver		1.0	2.1				0.30 U			10	10
Sodium		207,000	199,000				142,000				5,000
Thallium		2.6	3.1				5.0 B			40	10
Vanadium		22.6	12.1				1.0 U				50
Zinc		2.3	1.1				7.1 B			86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum		3510	2030 J				192 J				
Antimony		4.0	4.1				2.4 U				
Arsenic		4.0	5.3				2.4 UJ				
Barium		453	455				287				
Beryllium		0.5	0.10				0.10 U				
Cadmium		0.1	0.10				0.10 U				
Calcium		98200	86800				82,700				
Chromium		11.8	14.5				1.1 B				
Cobalt		5.8	2.8				1.0 B				
Copper		6.4	30.0 J				5.6 B				
Cyanide		0.60	0.60				0.60 U			10	10
Iron		9030.0	5130.0				716				
Lead		10.6 J	3.5				0.80 UJ				
Magnesium		47900	44500				42,300				
Manganese		255	173				80.2				
Mercury		0.10	0.10				0.10 U				
Nickel		8.5	6.8				0.70 B				
Potassium		22300	21000 J				17,100 J				
Selenium		4.9	4.5 UJ				3.9 U				
Silver		1.0	3.3				0.30 U				
Sodium		211000	200000				139,000				
Thallium		2.6 UJ	3.8 J				3.9 B				
Vanadium		33.2	14.6				1.0 U				
Zinc		29	32 J				15.4 J				
Volatile Organic Compounds (VOCs)		BRL	BRL				BRL				
Semi-Volatile Organic Compounds (SVOCs)		BRL	BRL				BRL				
Pesticides / PCBs		BRL	BRL				BRL				

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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 GW-30

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Jun-06	Sep-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08		
Inorganics - Metals (Dissolved)[14]	Not Sampled	Annual	Annual	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled	Not Sampled		
Aluminum		14.8	49.9				15.4 U				200
Antimony		4.0	4.1				2.4 U			60	60
Arsenic		4.0	5.3				2.6 B			20	10
Barium		**415**	0.10				188.0 B			1,000	200
Beryllium		0.50	0.10				0.10 U			5	5
Cadmium		0.10	0.10				0.10 U			5	5
Calcium		64,300	119,000				58,000				5,000
Chromium		2.4	4.8				0.30 B			11	10
Cobalt		0.70	0.40				0.20 U				50
Copper		1.4	0.7				2.2 B			25	25
Iron		**375**	**212**				**127.0**			7,000	100
Lead		1.8	2.1 UJ				0.80 U			4.2	3
Magnesium		30,000	40,800				28,300				5,000
Manganese		27.5	192				17.3				15
Mercury		0.10	0.10				0.10 U			0.2	0.2
Nickel		0.50	0.80				0.70 B			96	40
Potassium		11,900	5,810 J				12,200				5,000
Selenium		4.9 UJ	4.5 UJ				3.9 U			8.5	5
Silver		1.0	2.1				0.30 U			10	10
Sodium		133,000	41,200				138,000				5,000
Thallium		2.6	3.4 J				4.5 B			40	10
Vanadium		15.6	9.9				1.0 U				50
Zinc		2.4 J	4.6				7.7 B			86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum		42.2	1740 J				15.4 UJ				
Antimony		4.0	4.1				2.4 U				
Arsenic		4.0	5.3				2.4 UJ				
Barium		410	329				201.0				
Beryllium		0.50	0.10				0.10 U				
Cadmium		0.10	0.10				0.10 U				
Calcium		63700	60800				61,100				
Chromium		3.2	11.6				0.50 B				
Cobalt		0.70	1.2				0.20 U				
Copper		1.4	25.0 J				4.3 B				
Cyanide		0.60	2.4				0.60 U			10	10
Iron		559	4330				303				
Lead		1.8	2.1 UJ				0.80 UJ				
Magnesium		29900	27700				29,600				
Manganese		30.5	86.2				22.4				
Mercury		0.10	0.10				0.10 U				
Nickel		0.50	3.8				0.40 U				
Potassium		11800	10500 J				13,400 J				
Selenium		4.9	4.5 UJ				3.9 U				
Silver		1.0	2.1				0.30 U				
Sodium		131000	123000				145000				
Thallium		2.6	3.1				3.9 B				
Vanadium		15.5	10.9				1.2 B				
Zinc		3.6	36.9 J				10.3 J				
Volatile Organic Compounds (VOCs)		BRL	BRL				BRL				
Semi-Volatile Organic Compounds (SVOCs)		BRL	BRL				BRL				
Pesticides / PCBs		BRL	BRL				BRL				

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red 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 or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) 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.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) 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.

APPENDIX C

LABORATORY DATA VALIDATION REPORT

EARTH TECH | AECOM

APPENDIX C

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 105069

LABORATORY REPORT NUMBER 208091718

PROJECT MANAGER: Ron Roelker

Date: December 11, 2008

Data Validator: Janelle Murphy and 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
PEM	Performance Evaluation Mix
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 208091718 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2008, 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) 208091718.

GCAL #	Sample Description
20809171801	SK-SW51-1027
20809171802	SK-MS-1027 (SW51)
20809171804	SK-DUP-1027 (SW51)
20809171805	SK-SW52-1027
20809171806	SK-FD-1027 (SW52)
20809171809	SK-SW51-1027 (DISS)
20809171810	SK-MS-1027 (SW51) DISS
20809171811	SK-DUP-1027 (SW51) DISS
20809171812	SK-SW52-1027 (DISS)
20809171813	SK-FD-1027 (SW52) 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 above the corresponding Contract Required Detection Limit (CRDL).

4. ICP INTERFERENCE CHECK SAMPLE

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

5. LABORATORY CONTROL SAMPLES

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

6. DUPLICATE ANALYSIS

The laboratory used sample SK-SW51-1027 (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.

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-SW51-1027 (total and dissolved fractions) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75-125%) for all analytes with the exception of Selenium (51%) and Thallium (69%) associated with the dissolved fraction. As per the National Functional Guidelines, if the percent recovery is greater than 30% but less than the lower acceptance limit then qualify detected results for that analyte with "J" and non-detected results are qualified with "UJ".

8. ICP SERIAL DILUTION

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

All documentation submitted for review appeared accurate and in order.

11. OVERALL ASSESSMENT

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards analyzed on 10/6/08 were 66%, 90%, 96% and 91%.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 10/6/08 were 81%, 100%, 105% and 79%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 10/6/08 were 53%, 106%, 86% and 77%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 10/6/08 were 87%, 86%, 93% and 73%.

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

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 208091718 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2008, 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 208091718.

GCAL #	Sample Description
20809171801	SK-SW51-1027
20809171802	SK-MS-1027 (SW51)
20809171803	SK-MSD-1027 (SW51)
20809171805	SK-SW52-1027
20809171806	SK-FD-1027 (SW52)

INTRODUCTION

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

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

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

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

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

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

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

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

1. HOLDING TIMES

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

2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV4. 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 10/5/08 was analyzed on instrument MSSV4 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 Relative Standard Deviation (%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 RRFs and the average RRF for the ICs were within the acceptance criteria specified in the method for all target compounds. The %RSDs were within the acceptance criteria specified in the method for all target compounds.

B. Continuing Calibration

One CC dated 10/5/08 was analyzed in support of the semivolatile sample analyses reported in the data submissions. The RRFs for the CC was within the acceptance criteria specified in the method for all target compounds. The percent difference (%D) between the average RRFs and the CC Response Factors were within the acceptance criteria (<25%) with the exception of Indeno (1,2,3-cd) pyrene (31%). As per the National Functional Guidelines, if the %D is outside the ± 25% criterion then qualify detected results for that compound with "J" and non-detected results for that compound with "UJ".

4. BLANKS

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

<u>Method Blank (MB647692)</u>

Bis(2-ethylhexyl)phthalate (1 ppb) and diethylphthalate (0.9 ppb) were detected in the method blank extracted on 9/19/08.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits with the exception of Nitrobenzene-d5, 2-Fluorophenol, and 2-Chlorophenol-d4 associated with sample SK-MS-1027 and 1,2-Dichlorobenzene-d4 and 2-Fluorophenol associated with sample SK-MSD-1027. As per the National Functional Guidelines; if two or more surrogates in either semivolatile fraction have a recovery greater than 10 percent but less than the lower limit then qualify detected semivolatile target compounds for that fraction

with "J" and non-detected results for that fraction with "UJ". If any surrogate in either semivolatile fraction has a recovery less than 10 percent then qualify detected semivolatile target compounds for that fraction with "J" and non-detected results for that fraction with "R".

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

Sample SK-SW51-1027 was submitted for MS/MSD analysis. The MS/MSD percent recoveries are within the acceptance criteria. All of the percent RPDs between the MS and MSD 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 samples.

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 were no sample volumes, units, date extracted, or preparation method listed on Form I SV-TIC. The analytical method reported by the GCAL on the Form I SV-TIC was listed as SW-846 8270C when it should have been listed as OLM04.2. The data validator manually made the corrections.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 208091718 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2008, 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 208091718.

GCAL #	Sample Description
20809171801	SK-SW51-1027
20809171802	SK-MS-1027 (SW51)
20809171803	SK-MSD-1027 (SW51)
20809171805	SK-SW52-1027
20809171806	SK-FD-1027 (SW52)
20809171807	TRIP BLANK

INTRODUCTION

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

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

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

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

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

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

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

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

1. HOLDING TIMES

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

2. GC/MS TUNING

The samples were analyzed one GC/MS system identified as MSV0. Two bromofluorobenzene (BFB) tunes were run on MSV0. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 9/22/08 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRFs 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 RRFs 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. The data validator dropped the highest point of the calibration curve (25 ppb) for 2-Butanone and re-calculated the %RSD. The re-calculated %RSD was 9.1% which in within the acceptance criteria of <30%. The 2-Butanone results reported greater than 10 ppb were qualified as estimated with a "J" qualifier. The %RSDs were within the acceptance criteria specified in the method for all target compounds. As per the National Functional Guidelines, if any IC RRF is less than 0.05 then qualify detected results for that compound with "J" and non-detected results for that compound with "R".

B. Continuing Calibration

Two CCs dated 9/22/08 and 9/23/08 were analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRFs and the CC RFs for the CCs dated 9/22/08 and 9/23/08 were within the acceptance criteria for all target compounds.

4. BLANKS

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

<u>MB648439</u>

Chloroform (0.59 ppb) was detected in method blank MB648439 analyzed on 9/22/08 (1315).

<u>MB648912</u>

Chloroform (0.61 ppb) was detected in method blank MB648912 analyzed on 9/23/08 (1103).

<u>Storage Blank (VHBLK)</u>

Chloroform (0.91 ppb) was detected in the in the Storage Blank analyzed on 9/23/08.

Trip Blank

There were no target compounds detected in the Trip Blank associated with the samples received on 9/17/08.

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-SW51-1027 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. All of the percent RPDs between the MS and MSD were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

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

8. INTERNAL STANDARDS PERFORMANCE

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

9. COMPOUND IDENTIFICATION

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

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

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

12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 208091718 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2008, 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 208091718.

GCAL #	Sample Description
20809171801	SK-SW51-1027
20809171802	SK-MS-1027 (SW51)
20809171803	SK-MSD-1027 (SW51)
20809171805	SK-SW52-1027
20809171806	SK-FD-1027 (SW52)

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.

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.

5. BLANKS

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

Method Blank 648246

No constituents were reported by GCAL for the method blank extracted on 9/20/08.

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-SW51-1027 was submitted for MS/MSD analysis. All of the percent recoveries associated with the MS/MSD were within the acceptance criteria with the exception of Dieldrin (46%), Endrin (50%), and Lindane (28%) associated with both the MS and MSD. All of the percent RPDs between the MS and MSD were within the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD results 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.

11. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

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 10/31/2008

GCAL Report 208091718

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-3rd Quarter

CASE NARRATIVE

Client: Earth Tech **Report:** 208091718

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.

Page 316 of this report was resubmitted on 12/22/08. The CF for the mid level standard, RRF, and % RSD were revised for 4,4'-DDT.

Forms 6I, 6J, and 6K were added to this report as pages 322A-C on 12/15/08.

VOLATILES MASS SPECTROMETRY

In the OLCO2.1 CLP Volatiles analysis for analytical batches 397349 and 397440, Chloroform was detected in the method blank.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLMO4.2 CLP Semi-Volatiles analysis, sample 20809171802 (SK-MS-1027(SW51)) had three surrogate recoveries outside control limits and sample 20809171803 (SK-MSD-1027(SW51)) had two surrogate recoveries outside control limits.

In the OLMO4.2 CLP Semi-Volatiles analysis for prep batch 397237, bis(2-ethylhexyl)phthalate and Diethylphthalate were detected in the method blank.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis for 397293, the MS/MSD recoveries were outside QC limits in a similar manner. This can be attributed to a matrix interference.

METALS

In the ILM04.1 - CLP Metals analysis for prep batch 397524, the MS recoveries (sample 20809192920 (SK-MS-1027 (GW58)) were outside the control limits for Cadmium and Selenium. The LCS recoveries were within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. Barium, Calcium, Iron, Magnesium, Manganese, Potassium, and Sodium are flagged as estimated on the serial dilution form due to the fact that the percent difference between original sample result and the serial dilution result for the batch QC sample is greater than 10. A chemical or physical interference is suspected.

In the ILM04.1 - CLP Metals analysis for prep batch 397523, the MS and/or MSD recoveries were outside the control limits for Selenium and Thallium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. Magnesium and Sodium are flagged as estimated on the serial dilution form due to the fact that the percent difference between original sample result and the serial dilution result for the batch QC sample is greater than 10.

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 208091718

THIS REPORT CONTAINS 631 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20809171801	SK-SW51-1027	Water	09/16/2008 16:20	09/17/2008 10:10
20809171802	SK-MS-1027(SW51)	Water	09/16/2008 16:25	09/17/2008 10:10
20809171803	SK-MSD-1027(SW51)	Water	09/16/2008 16:30	09/17/2008 10:10
20809171804	SK-DUP-1027(SW51)	Water	09/16/2008 16:30	09/17/2008 10:10
20809171805	SK-SW52-1027	Water	09/16/2008 17:45	09/17/2008 10:10
20809171806	SK-FD-1027(SW52)	Water	09/16/2008 17:50	09/17/2008 10:10
20809171807	SK-TB-1027	Water	09/16/2008 00:00	09/17/2008 10:10
20809171808	VHBLK	Water	09/17/2008 00:00	09/17/2008 10:10
20809171809	SK-SW51-1027 (DISS)	Water	09/16/2008 16:20	09/17/2008 10:10
20809171810	SK-MS-1027(SW51) DISS	Water	09/16/2008 16:25	09/17/2008 10:10
20809171811	SK-DUP-1027(SW51) DISS	Water	09/16/2008 16:30	09/17/2008 10:10
20809171812	SK-SW52-1027 (DISS)	Water	09/16/2008 17:45	09/17/2008 10:10
20809171813	SK-FD-1027 (SW52) DISS	Water	09/16/2008 17:50	09/17/2008 10:10

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809171801

Level: (low/med) Lab File ID: 2080922/y2843

% Moisture: not dec. Date Collected: 09/16/08 Time: 1620

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/17/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1414

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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	0.16	J	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

R

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

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

Lab Sample ID: 20809171801

Level: (low/med)

Lab File ID: 2080922/y2843

% Moisture: not dec.

Date Collected: 09/16/08 Time: 1620

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

Date Received: 09/17/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1414

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-SW51-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: Water Lab Sample ID: 20809171801

Sample wt/vol: Units: Lab File ID: 2080922/y2843T

Level: (low/med) Date Collected: 09/16/08 Time: 1620

% Moisture: not dec. Date Received: 09/17/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1414

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 4

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	6.441	.645	
2.	541-05-9	Cyclotrisiloxane, hexamethyl-	7.868	1.49	
3.	556-67-2	Cyclotetrasiloxane, octamethyl	9.888	2.12	
4.		Unknown	11.495	.95	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

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

Lab Sample ID: 20809171805

Level: (low/med)

Lab File ID: 2080922/y2844

% Moisture: not dec.

Date Collected: 09/16/08 Time: 1745

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

Date Received: 09/17/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1438

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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	0.28	J	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809171805

Level: (low/med) Lab File ID: 2080922/y2844

% Moisture: not dec. Date Collected: 09/16/08 Time: 1745

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/17/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1438

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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	0.039	J	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-SW52-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: Water Lab Sample ID: 20809171805

Sample wt/vol: Units: Lab File ID: 2080922/y2844T

Level: (low/med) Date Collected: 09/16/08 Time: 1745

% Moisture: not dec. Date Received: 09/17/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1438

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 3

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-05-9	Cyclotrisiloxane, hexamethyl-	7.862	1.36	
2.	556-67-2	Cyclotetrasiloxane, octamethyl	9.888	1.82	
3.		Unknown	11.489	.951	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1027(SW52)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix (soil/water) Water

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

Lab Sample ID: 20809171806

Level: (low/med)

Lab File ID: 2080922/y2845

% Moisture: not dec.

Date Collected: 09/16/08 Time: 1750

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

Date Received: 09/17/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1504

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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	0.15	J	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

FORM I VOA

JLM 11-DEC 2008

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1027(SW52)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809171806

Level: (low/med) Lab File ID: 2080922/y2845

% Moisture: not dec. Date Collected: 09/16/08 Time: 1750

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/17/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1504

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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	0.028	J	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-FD-1027(SW52)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: Water Lab Sample ID: 20809171806

Sample wt/vol: Units: Lab File ID: 2080922/y2845T

Level: (low/med) Date Collected: 09/16/08 Time: 1750

% Moisture: not dec. Date Received: 09/17/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1504

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 4

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-05-9	Cyclotrisiloxane, hexamethyl-	7.862	1.72	
2.	556-67-2	Cyclotetrasiloxane, octamethyl	9.889	1.83	
3.	~~108-95-2~~	~~Phenol~~	~~10.516~~	~~1.11~~	
4.		Unknown	11.489	.911	

FORM I VOA-TIC

JKM 10-DEC 2008

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809171807

Level: (low/med) Lab File ID: 2080922/y2842

% Moisture: not dec. Date Collected: 09/16/08 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/17/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1350

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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

FORM I VOA

JLM 11-DEC 200

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

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

Lab Sample ID: 20809171807

Level: (low/med)

Lab File ID: 2080922/y2842

% Moisture: not dec.

Date Collected: 09/16/08 Time: 0000

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

Date Received: 09/17/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1350

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: Water Lab Sample ID: 20809171807

Sample wt/vol: Units: Lab File ID: 2080922/y2842T

Level: (low/med) Date Collected: 09/16/08 Time: 0000

% Moisture: not dec. Date Received: 09/17/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1350

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 3

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-05-9	Cyclotrisiloxane, hexamethyl-	7.861	.199	
2.	556-67-2	Cyclotetrasiloxane, octamethyl	9.888	.357	
3.	~~108-95-2~~	~~Phenol~~	~~11.954~~	~~.647~~	

FORM I VOA-TIC

JCM 10-DEC 2008

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809171808

Level: (low/med) Lab File ID: 2080923/y2866

% Moisture: not dec. Date Collected: 09/17/08 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/17/08

Instrument ID: MSV0 Date Analyzed: 09/23/08 Time: 1203

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397440

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	0.91	JB	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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11-DEZ 2008

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

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

Lab Sample ID: 20809171808

Level: (low/med)

Lab File ID: 2080923/y2866

% Moisture: not dec.

Date Collected: 09/17/08 Time: 0000

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

Date Received: 09/17/08

Instrument ID: MSV0

Date Analyzed: 09/23/08 Time: 1203

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397440

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.
VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: Water Lab Sample ID: 20809171808

Sample wt/vol: Units: Lab File ID: 2080923/y2866T

Level: (low/med) Date Collected: 09/17/08 Time: 0000

% Moisture: not dec. Date Received: 09/17/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/23/08 Time: 1203

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

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.

MB648439

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 648439

Level: (low/med) Lab File ID: 2080922/y2841

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1315

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
74-87-3	Chloromethane	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
75-09-2	Methylene chloride	2.0	U	0.010	2.0
67-64-1	Acetone	5.0	U	0.010	5.0 R
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
67-66-3	Chloroform	0.59	J	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
71-43-2	Benzene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

FORM I VOA

JLM 11-DEZ 2008

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB648439

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 648439

Level: (low/med) Lab File ID: 2080922/y2841

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1315

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
100-42-5	Styrene	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB648912

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 648912

Level: (low/med) Lab File ID: 2080923/y2864

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 09/23/08 Time: 1103

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397440

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
74-87-3	Chloromethane	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
75-09-2	Methylene chloride	2.0	U	0.010	2.0
67-64-1	Acetone	5.0	U	0.010	5.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
67-66-3	Chloroform	0.61	J	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
71-43-2	Benzene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

R

FORM I VOA

11-DEC 20

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB648912

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

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

Lab Sample ID: 648912

Level: (low/med)

Lab File ID: 2080923/y2864

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 09/23/08 Time: 1103

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397440

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
100-42-5	Styrene	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS648440

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 648440

Level: (low/med) Lab File ID: 2080922/y2839

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1216

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	4.9		0.010	1.0
107-06-2	1,2-Dichloroethane	4.9		0.010	1.0
56-23-5	Carbon tetrachloride	5.2		0.010	1.0
78-87-5	1,2-Dichloropropane	5.1		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.2		0.010	1.0
79-01-6	Trichloroethene	5.6		0.010	1.0
79-00-5	1,1,2-Trichloroethane	5.3		0.010	1.0
71-43-2	Benzene	5.4		0.010	1.0
75-25-2	Bromoform	4.7		0.010	1.0
127-18-4	Tetrachloroethene	5.4		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.2		0.010	1.0
106-93-4	1,2-Dibromoethane	5.6		0.010	1.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MS-1027(SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809171802

Level: (low/med) Lab File ID: 2080922/y2847ms

% Moisture: not dec. Date Collected: 09/16/08 Time: 1625

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/17/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1551

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.1		0.010	1.0
106-93-4	1,2-Dibromoethane	5.4		0.010	1.0
107-06-2	1,2-Dichloroethane	4.9		0.010	1.0
78-87-5	1,2-Dichloropropane	5.0		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.2		0.010	1.0
71-43-2	Benzene	4.7		0.010	1.0
75-25-2	Bromoform	5.1		0.010	1.0
56-23-5	Carbon tetrachloride	4.8		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.0		0.010	1.0
127-18-4	Tetrachloroethene	4.8		0.010	1.0
79-01-6	Trichloroethene	4.8		0.010	1.0
75-01-4	Vinyl chloride	4.7		0.010	1.0

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MSD-1027(SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809171803

Level: (low/med) Lab File ID: 2080922/y2848msd

% Moisture: not dec. Date Collected: 09/16/08 Time: 1630

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/17/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1615

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.4		0.010	1.0
106-93-4	1,2-Dibromoethane	5.4		0.010	1.0
107-06-2	1,2-Dichloroethane	4.9		0.010	1.0
78-87-5	1,2-Dichloropropane	5.1		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.2		0.010	1.0
71-43-2	Benzene	4.9		0.010	1.0
75-25-2	Bromoform	5.1		0.010	1.0
56-23-5	Carbon tetrachloride	5.0		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.2		0.010	1.0
127-18-4	Tetrachloroethene	5.1		0.010	1.0
79-01-6	Trichloroethene	5.1		0.010	1.0
75-01-4	Vinyl chloride	4.9		0.010	1.0

FORM I VOA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

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-SW51-1027

Contract:

Lab File ID: 2081005p/c9559

Lab Sample ID: 20809171801

Date Collected: 09/16/08 Time: 1620

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1216

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

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-SW51-1027

Contract:

Lab File ID: 2081005p/c9559

Lab Sample ID: 20809171801

Date Collected: 09/16/08 Time: 1620

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1216

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~2~~ 10	JB	0.01	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~0.6~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

FORM I SV-1

JKM 10-Dec 20

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

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-SW51-1027

Contract:

Lab File ID: 2081005p/c9559

Lab Sample ID: 20809171801

Date Collected: 09/16/08 Time: 1620

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1216

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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.: 208091718

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% 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-SW51-1027

Contract:

Lab File ID: 2081005p/c9559

Lab Sample ID: 20809171801

Date Collected: 09/16/08 Time: 1620

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1216

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 10

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	96-37-7	Cyclopentane, methyl-	.425	334	
2.	629-62-9	Pentadecane	4.832	1.52	
3.	110-82-7	Cyclohexane	.457	349	
4.	994-05-8	Butane, 2-methoxy-2-methyl-	.468	42.2	
5.		Unknown	.478	8.72	
6.		Unknown	.783	2.69	
7.		Unknown	.847	2.21	
8.	558-37-2	1-Butene, 3,3-dimethyl-	1.489	2.3	
9.	593-45-3	Octadecane	4.324	1.77	
10.	629-92-5	Nonadecane	4.586	2.03	

FORM I SV-TIC

10-DEC 2008

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

Matrix: Water

Sample wt/vol: 990 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-SW52-1027

Contract:

Lab File ID: 2081005p/c9561

Lab Sample ID: 20809171805

Date Collected: 09/16/08 Time: 1745

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1246

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

Matrix: Water

Sample wt/vol: 990 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-SW52-1027

Contract:

Lab File ID: 2081005p/c9561

Lab Sample ID: 20809171805

Date Collected: 09/16/08 Time: 1745

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1246

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~1~~ 10	JB	0.01	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~97~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

FORM I SV-1

JLM
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

Matrix: Water

Sample wt/vol: 990 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-SW52-1027

Contract:

Lab File ID: 2081005p/c9561

Lab Sample ID: 20809171805

Date Collected: 09/16/08 Time: 1745

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1246

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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.: 208091718

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% 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-SW52-1027

Contract:

Lab File ID: 2081005p/c9561

Lab Sample ID: 20809171805

Date Collected: 09/16/08 Time: 1745

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1246

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM0 4.2

Instrument ID: MSSV4

Number TICs Found : 9

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	110-82-7	Cyclohexane	.425	30	
2.	994-05-8	Butane, 2-methoxy-2-methyl-	.446	159	
3.		Unknown	.778	21.3	
4.		Unknown	.901	7.08	
5.		Unknown	1.388	2.2	
6.	96-19-5	1-Propene, 1,2,3-trichloro-	1.42	4.92	
7.		Unknown	6.116	1.28	
8.		Unknown	6.191	1.95	
9.		Unknown	6.656	1.89	

FORM I SV-TIC

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

Matrix: Water

Sample wt/vol: 990 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-FD-1027(SW52)

Contract:

Lab File ID: 2081005p/c9562

Lab Sample ID: 20809171806

Date Collected: 09/16/08 Time: 1750

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1301

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

Matrix: Water

Sample wt/vol: 990 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-FD-1027(SW52)

Contract:

Lab File ID: 2081005p/c9562

Lab Sample ID: 20809171806

Date Collected: 09/16/08 Time: 1750

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1301

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~2~~ 10	JB	0.01	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~0.7~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

FORM I SV-1

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

Matrix: Water

Sample wt/vol: 990 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-FD-1027(SW52)

Contract:

Lab File ID: 2081005p/c9562

Lab Sample ID: 20809171806

Date Collected: 09/16/08 Time: 1750

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1301

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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.: 208091718

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% 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-FD-1027(SW52)

Contract:

Lab File ID: 2081005p/c9562

Lab Sample ID: 20809171806

Date Collected: 09/16/08 Time: 1750

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1301

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLMC 4.2

Instrument ID: MSSV4

Number TICs Found : 9

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	994-05-8	Butane, 2-methoxy-2-methyl-	.446	146	
2.		Unknown	.778	31.8	
3.		Unknown	.901	13.1	
4.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.42	5.95	
5.	149-57-5	Hexanoic acid, 2-ethyl-	2.19	25.9	
6.		Unknown	2.57	2.97	
7.	816-63-7	Heptanoic acid, 2-ethyl-, meth	2.639	1.98	
8.		Unknown	2.703	5	
9.		Unknown	2.725	3.09	

FORM I SV-TIC

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

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: MB647692

Contract:

Lab File ID: 2081005p/c9555

Lab Sample ID: 647692

Date Collected: Time:

Date Received:

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1115

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-95-2	Phenol	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
98-95-3	Nitrobenzene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
85-01-8	Phenanthrene	10	U	0.01	10
84-74-2	Di-n-butylphthalate	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
85-68-7	Butylbenzylphthalate	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
218-01-9	Chrysene	10	U	0.01	10
117-81-7	bis(2-ethylhexyl)phthalate	1	J	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

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: MB647692

Contract:

Lab File ID: 2081005p/c9555

Lab Sample ID: 647692

Date Collected: Time:

Date Received:

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1115

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
208-96-8	Acenaphthylene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
132-64-9	Dibenzofuran	10	U	0.01	10
84-66-2	Diethylphthalate	0.9	J	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
86-74-8	Carbazole	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
117-84-0	Di-n-octylphthalate	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
88-75-5	2-Nitrophenol	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10
87-86-5	Pentachlorophenol	25	U	0.01	25
95-57-8	2-Chlorophenol	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

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: MB647692

Contract:

Lab File ID: 2081005p/c9555

Lab Sample ID: 647692

Date Collected: Time:

Date Received:

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1115

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

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-MS-1027(SW51)

Contract:

Lab File ID: 2081005p/c9574

Lab Sample ID: 20809171802

Date Collected: 09/16/08 Time: 1625

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1603

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10	UJ
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10	UJ
120-83-2	2,4-Dichlorophenol	10	U	0.01	10	UJ
51-28-5	2,4-Dinitrophenol	25	U	0.01	25	UJ
121-14-2	2,4-Dinitrotoluene	37		0.01	10	
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10	
91-58-7	2-Chloronaphthalene	10	U	0.01	10	
95-57-8	2-Chlorophenol	24		0.01	10	J
91-57-6	2-Methylnaphthalene	10	U	0.01	10	
88-74-4	2-Nitroaniline	25	U	0.01	25	
88-75-5	2-Nitrophenol	10	U	0.01	10	UJ
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10	
99-09-2	3-Nitroaniline	25	U	0.01	25	
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25	UJ
59-50-7	4-Chloro-3-methylphenol	56		0.01	10	J
106-47-8	4-Chloroaniline	10	U	0.01	10	
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10	
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10	UJ
83-32-9	Acenaphthene	39		0.01	10	
208-96-8	Acenaphthylene	10	U	0.01	10	
120-12-7	Anthracene	10	U	0.01	10	
56-55-3	Benzo(a)anthracene	10	U	0.01	10	
50-32-8	Benzo(a)pyrene	10	U	0.01	10	
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10	
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10	
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10	
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10	
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10	
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

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-MS-1027(SW51)

Contract:

Lab File ID: 2081005p/c9574

Lab Sample ID: 20809171802

Date Collected: 09/16/08 Time: 1625

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1603

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~2~~ 10	J	0.01	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	10	U	0.01	10	
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	UJ
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	53		0.01	25	UJ
87-86-5	Pentachlorophenol	66		0.01	25	UJ
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	39		0.01	10	
129-00-0	Pyrene	41		0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	23		0.01	10	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

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-MS-1027(SW51)

Contract:

Lab File ID: 2081005p/c9574

Lab Sample ID: 20809171802

Date Collected: 09/16/08 Time: 1625

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1603

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

ULJ

FORM I SV-1

JLM 10-DEC 2008

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

Matrix: Water

Sample wt/vol: 950 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-MSD-1027(SW51)

Contract:

Lab File ID: 2081005p/c9560

Lab Sample ID: 20809171803

Date Collected: 09/16/08 Time: 1630

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1231

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

CONCENTRATION UNITS: ug/L

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
95-95-4	2,4,5-Trichlorophenol	11	U	0.01	11	
88-06-2	2,4,6-Trichlorophenol	11	U	0.01	11	
120-83-2	2,4-Dichlorophenol	11	U	0.01	11	
51-28-5	2,4-Dinitrophenol	26	U	0.01	26	
121-14-2	2,4-Dinitrotoluene	37		0.01	11	RJ
606-20-2	2,6-Dinitrotoluene	11	U	0.01	11	R
91-58-7	2-Chloronaphthalene	11	U	0.01	11	R
95-57-8	2-Chlorophenol	31		0.01	11	
91-57-6	2-Methylnaphthalene	11	U	0.01	11	R
88-74-4	2-Nitroaniline	26	U	0.01	26	R
88-75-5	2-Nitrophenol	11	U	0.01	11	
91-94-1	3,3'-Dichlorobenzidine	11	U	0.01	11	R
99-09-2	3-Nitroaniline	26	U	0.01	26	R
534-52-1	2-Methyl-4,6-dinitrophenol	26	U	0.01	26	
59-50-7	4-Chloro-3-methylphenol	57		0.01	11	
106-47-8	4-Chloroaniline	11	U	0.01	11	R
7005-72-3	4-Chlorophenyl-phenylether	11	U	0.01	11	R
106-44-5	4-Methylphenol (p-Cresol)	11	U	0.01	11	
83-32-9	Acenaphthene	38		0.01	11	RJ
208-96-8	Acenaphthylene	11	U	0.01	11	R
120-12-7	Anthracene	11	U	0.01	11	R
56-55-3	Benzo(a)anthracene	11	U	0.01	11	R
50-32-8	Benzo(a)pyrene	11	U	0.01	11	R
205-99-2	Benzo(b)fluoranthene	11	U	0.01	11	R
191-24-2	Benzo(g,h,i)perylene	11	U	0.01	11	R
207-08-9	Benzo(k)fluoranthene	11	U	0.01	11	R
111-91-1	Bis(2-Chloroethoxy)methane	11	U	0.01	11	R
111-44-4	Bis(2-Chloroethyl)ether	11	U	0.01	11	R
108-60-1	bis(2-Chloroisopropyl)ether	11	U	0.01	11	R

FORM I SV-1

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

Matrix: Water

Sample wt/vol: 950 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-MSD-1027(SW51)

Contract:

Lab File ID: 2081005p/c9560

Lab Sample ID: 20809171803

Date Collected: 09/16/08 Time: 1630

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1231

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~1~~ 10	J	0.01	11	R
101-55-3	4-Bromophenyl-phenylether	11	U	0.01	11	R
85-68-7	Butylbenzylphthalate	11	U	0.01	11	R
86-74-8	Carbazole	11	U	0.01	11	R
218-01-9	Chrysene	11	U	0.01	11	R
84-74-2	Di-n-butylphthalate	11	U	0.01	11	R
117-84-0	Di-n-octylphthalate	11	U	0.01	11	R
53-70-3	Dibenz(a,h)anthracene	11	U	0.01	11	R
132-64-9	Dibenzofuran	11	U	0.01	11	R
84-66-2	Diethylphthalate	11	U	0.01	11	R
131-11-3	Dimethyl-phthalate	11	U	0.01	11	R
105-67-9	2,4-Dimethylphenol	11	U	0.01	11	
206-44-0	Fluoranthene	11	U	0.01	11	R
86-73-7	Fluorene	11	U	0.01	11	R
118-74-1	Hexachlorobenzene	11	U	0.01	11	R
87-68-3	Hexachlorobutadiene	11	U	0.01	11	R
77-47-4	Hexachlorocyclopentadiene	11	U	0.01	11	
67-72-1	Hexachloroethane	11	U	0.01	11	R
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	0.01	11	R
78-59-1	Isophorone	11	U	0.01	11	R
91-20-3	Naphthalene	11	U	0.01	11	R
100-01-6	4-Nitroaniline	26	U	0.01	26	
98-95-3	Nitrobenzene	11	U	0.01	11	R
100-02-7	4-Nitrophenol	62		0.01	26	
87-86-5	Pentachlorophenol	63		0.01	26	
85-01-8	Phenanthrene	11	U	0.01	11	R
108-95-2	Phenol	45		0.01	11	
129-00-0	Pyrene	40		0.01	11	J
621-64-7	N-Nitroso-di-n-propylamine	28		0.01	11	J

FORM I SV-1

JLM
10-DEC 2008

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091718

Matrix: Water

Sample wt/vol: 950 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-MSD-1027(SW51)

Contract:

Lab File ID: 2081005p/c9560

Lab Sample ID: 20809171803

Date Collected: 09/16/08 Time: 1630

Date Received: 09/17/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1231

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	11	U	0.01	11
95-48-7	o-Cresol	11	U	0.01	11

FORM I SV-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 990 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: 397293 Analytical Batch: 398045

CONCENTRATION UNITS: ug/L

Sample ID: SK-SW51-1027

Contract:

SAS No.: SDG No.: 208091718

Lab Sample ID: 20809171801

Date Collected: 09/16/08 Time: 1620

Date Received: 09/17/08

Date Extracted: 09/20/08

Date Analyzed: 10/01/08 Time: 1525

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: 2081001/sv18a019

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.101	U	0.000101	0.101
72-55-9	4,4'-DDE	0.101	U	0.000101	0.101
50-29-3	4,4'-DDT	0.101	U	0.000101	0.101
309-00-2	Aldrin	0.051	U	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.101	U	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.101	U	0.000101	0.101
7421-93-4	Endrin aldehyde	0.101	U	0.000101	0.101
53494-70-5	Endrin ketone	0.101	U	0.000101	0.101
76-44-8	Heptachlor	0.051	U	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 980 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: 397293 Analytical Batch: 398045

CONCENTRATION UNITS: ug/L

Sample ID: SK-SW52-1027

Contract:

SAS No.: SDG No.: 208091718

Lab Sample ID: 20809171805

Date Collected: 09/16/08 Time: 1745

Date Received: 09/17/08

Date Extracted: 09/20/08

Date Analyzed: 10/01/08 Time: 1637

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: 2081001/sv18a023

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.102	U	0.000102	0.102
72-55-9	4,4'-DDE	0.102	U	0.000102	0.102
50-29-3	4,4'-DDT	0.102	U	0.000102	0.102
309-00-2	Aldrin	0.051	U	0.000102	0.051
12674-11-2	Aroclor-1016	1.02	U	0.000102	1.02
11104-28-2	Aroclor-1221	2.04	U	0.000102	2.04
11141-16-5	Aroclor-1232	1.02	U	0.000102	1.02
53469-21-9	Aroclor-1242	1.02	U	0.000102	1.02
12672-29-6	Aroclor-1248	1.02	U	0.000102	1.02
11097-69-1	Aroclor-1254	1.02	U	0.000102	1.02
11096-82-5	Aroclor-1260	1.02	U	0.000102	1.02
60-57-1	Dieldrin	0.102	U	0.000102	0.102
959-98-8	Endosulfan I	0.051	U	0.000102	0.051
33213-65-9	Endosulfan II	0.102	U	0.000102	0.102
1031-07-8	Endosulfan sulfate	0.102	U	0.000102	0.102
72-20-8	Endrin	0.102	U	0.000102	0.102
7421-93-4	Endrin aldehyde	0.102	U	0.000102	0.102
53494-70-5	Endrin ketone	0.102	U	0.000102	0.102
76-44-8	Heptachlor	0.051	U	0.000102	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000102	0.051
72-43-5	Methoxychlor	0.510	U	0.000102	0.510
8001-35-2	Toxaphene	5.10	U	0.000102	5.10
319-84-6	alpha-BHC	0.051	U	0.000102	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000102	0.051
319-85-7	beta-BHC	0.051	U	0.000102	0.051
319-86-8	delta-BHC	0.051	U	0.000102	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000102	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000102	0.051

FORM I ORG-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 980 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: 397293 Analytical Batch: 398045

CONCENTRATION UNITS: ug/L

Sample ID: SK-FD-1027(SW52)

Contract:

SAS No.: SDG No.: 208091718

Lab Sample ID: 20809171806

Date Collected: 09/16/08 Time: 1750

Date Received: 09/17/08

Date Extracted: 09/20/08

Date Analyzed: 10/01/08 Time: 1655

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: 2081001/sv18a024

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.102	U	0.000102	0.102
72-55-9	4,4'-DDE	0.102	U	0.000102	0.102
50-29-3	4,4'-DDT	0.102	U	0.000102	0.102
309-00-2	Aldrin	0.051	U	0.000102	0.051
12674-11-2	Aroclor-1016	1.02	U	0.000102	1.02
11104-28-2	Aroclor-1221	2.04	U	0.000102	2.04
11141-16-5	Aroclor-1232	1.02	U	0.000102	1.02
53469-21-9	Aroclor-1242	1.02	U	0.000102	1.02
12672-29-6	Aroclor-1248	1.02	U	0.000102	1.02
11097-69-1	Aroclor-1254	1.02	U	0.000102	1.02
11096-82-5	Aroclor-1260	1.02	U	0.000102	1.02
60-57-1	Dieldrin	0.102	U	0.000102	0.102
959-98-8	Endosulfan I	0.051	U	0.000102	0.051
33213-65-9	Endosulfan II	0.102	U	0.000102	0.102
1031-07-8	Endosulfan sulfate	0.102	U	0.000102	0.102
72-20-8	Endrin	0.102	U	0.000102	0.102
7421-93-4	Endrin aldehyde	0.102	U	0.000102	0.102
53494-70-5	Endrin ketone	0.102	U	0.000102	0.102
76-44-8	Heptachlor	0.051	U	0.000102	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000102	0.051
72-43-5	Methoxychlor	0.510	U	0.000102	0.510
8001-35-2	Toxaphene	5.10	U	0.000102	5.10
319-84-6	alpha-BHC	0.051	U	0.000102	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000102	0.051
319-85-7	beta-BHC	0.051	U	0.000102	0.051
319-86-8	delta-BHC	0.051	U	0.000102	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000102	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000102	0.051

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: 397293 Analytical Batch: 398045

CONCENTRATION UNITS: ug/L

Sample ID: MB648246

Contract:

SAS No.: SDG No.: 208091718

Lab Sample ID: 648246

Date Collected: Time:

Date Received:

Date Extracted: 09/20/08

Date Analyzed: 10/01/08 Time: 1507

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: 2081001/sv18a018

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

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 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: 397293 Analytical Batch: 398045

Sample ID: SK-MS-1027(SW51)
Contract:
SAS No.: SDG No.: 208091718
Lab Sample ID: 20809171802
Date Collected: 09/16/08 Time: 1625
Date Received: 09/17/08
Date Extracted: 09/20/08
Date Analyzed: 10/01/08 Time: 1543
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: 2081001/sv18a020

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00900	J	0.000101	0.101
72-55-9	4,4'-DDE	0.150	E	0.000101	0.101
50-29-3	4,4'-DDT	0.470	E	0.000101	0.101
309-00-2	Aldrin	0.330	E	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.460	E	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.510	E	0.000101	0.101
7421-93-4	Endrin aldehyde	0.00710	J	0.000101	0.101
53494-70-5	Endrin ketone	0.012	J	0.000101	0.101
76-44-8	Heptachlor	0.320	E	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.140	E	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 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: 397293 Analytical Batch: 398045

Sample ID: SK-MSD-1027(SW51)
Contract:
SAS No.: SDG No.: 208091718
Lab Sample ID: 20809171803
Date Collected: 09/16/08 Time: 1630
Date Received: 09/17/08
Date Extracted: 09/20/08
Date Analyzed: 10/01/08 Time: 1601
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: 2081001/sv18a021

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00800	J	0.000101	0.101
72-55-9	4,4'-DDE	0.150	E	0.000101	0.101
50-29-3	4,4'-DDT	0.470	E	0.000101	0.101
309-00-2	Aldrin	0.330	E	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.460	E	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.510	E	0.000101	0.101
7421-93-4	Endrin aldehyde	0.00689	J	0.000101	0.101
53494-70-5	Endrin ketone	0.012	J	0.000101	0.101
76-44-8	Heptachlor	0.320	E	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.140	E	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW51-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil / water) Water Lab Sample ID: 20809171801

Level: (low / med) Date Received: 09/17/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	3.7	B		P	
7440-39-3	Barium	50.4	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	~~N~~	P	
7440-70-2	Calcium	87200		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	3.0	B		P	
7439-89-6	Iron	84.3	B	E	P	J
7439-92-1	Lead	1.7	B		P	
7439-95-4	Magnesium	27100		E	P	J
7439-96-5	Manganese	82.4		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3680	B	E	P	J
7782-49-2	Selenium	3.1	U	~~N~~	P	
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	45000		E	P	J
7440-28-0	Thallium	4.1	B		P	
7440-62-2	Vanadium	11.8	B		P	
7440-66-6	Zinc	0.5	U		P	
57-12-5	Cyanide	1.0	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-MS-1027(SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil / water) Water Lab Sample ID: 20809171802

Level: (low / med) Date Received: 09/17/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2050			P	
7440-36-0	Antimony	105			P	
7440-38-2	Arsenic	51.3			P	
7440-39-3	Barium	2180		E	P	J
7440-41-7	Beryllium	54.1			P	
7440-43-9	Cadmium	41.1		~~N~~	P	
7440-70-2	Calcium	83700		E	P	J
7440-47-3	Chromium	225			P	
7440-48-4	Cobalt	532			P	
7440-50-8	Copper	274			P	
7439-89-6	Iron	1200		E	P	J
7439-92-1	Lead	21.5			P	
7439-95-4	Magnesium	26100		E	P	J
7439-96-5	Manganese	621		E	P	J
7439-97-6	Mercury	4.9			AV	
7440-02-0	Nickel	538			P	
7440-09-7	Potassium	3530	B	E	P	J
7782-49-2	Selenium	10.1		~~N~~	P	
7440-22-4	Silver	55.5			P	
7440-23-5	Sodium	43400		E	P	J
7440-28-0	Thallium	43.8			P	
7440-62-2	Vanadium	580			P	
7440-66-6	Zinc	542			P	
57-12-5	Cyanide	88.6			AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-DUP-1027(SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil / water) Water Lab Sample ID: 20809171804

Level: (low / med) Date Received: 09/17/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	51.7	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	~~N~~	P	
7440-70-2	Calcium	89000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	3.1	B		P	
7439-89-6	Iron	96.7	B	E	P	J
7439-92-1	Lead	1.2	U		P	
7439-95-4	Magnesium	27700		E	P	J
7439-96-5	Manganese	83.6		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3760	B	E	P	J
7782-49-2	Selenium	3.1	U	~~N~~	P	
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	46000		E	P	J
7440-28-0	Thallium	2.2	B		P	
7440-62-2	Vanadium	11.1	B		P	
7440-66-6	Zinc	0.5	U		P	
57-12-5	Cyanide	1.3	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW52-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil / water) Water Lab Sample ID: 20809171805

Level: (low / med) Date Received: 09/17/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	3.5	B		P	
7440-39-3	Barium	60.5	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	~~N~~	P	
7440-70-2	Calcium	97500		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	2.8	B		P	
7439-89-6	Iron	298		E	P	J
7439-92-1	Lead	2.7	B		P	
7439-95-4	Magnesium	28200		E	P	J
7439-96-5	Manganese	173		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3930	B	E	P	J
7782-49-2	Selenium	3.1	U	~~N~~	P	
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	47500		E	P	J
7440-28-0	Thallium	4.0	B		P	
7440-62-2	Vanadium	12.0	B		P	
7440-66-6	Zinc	0.5	U		P	
57-12-5	Cyanide	1.0	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1027(SW52)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil / water) Water Lab Sample ID: 20809171806

Level: (low / med) Date Received: 09/17/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	71.8	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	
7440-70-2	Calcium	107000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	2.9	B		P	
7439-89-6	Iron	432		E	P	J
7439-92-1	Lead	2.4	B		P	
7439-95-4	Magnesium	29100		E	P	J
7439-96-5	Manganese	259		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	4130	B	E	P	J
7782-49-2	Selenium	3.1	U	N	P	
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	49400		E	P	J
7440-28-0	Thallium	3.0	B		P	
7440-32-6	Titanium	-2.4			P	
7440-62-2	Vanadium	11.7	B		P	
7440-66-6	Zinc	1.2	B		P	
57-12-5	Cyanide	1.0	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW51-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil / water) Water Lab Sample ID: 20809171809

Level: (low / med) Date Received: 09/17/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	43.2	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	81100			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	1.7	B		P	
7439-89-6	Iron	8.1	U		P	
7439-92-1	Lead	1.5	B		P	
7439-95-4	Magnesium	25600		E	P	J
7439-96-5	Manganese	31.4			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3540	B		P	
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	1.5	B		P	
7440-23-5	Sodium	42800		E	P	J
7440-28-0	Thallium	3.0	B	N	P	J
7440-62-2	Vanadium	4.8	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-MS-1027(SW51) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil / water) Water Lab Sample ID: 20809171810

Level: (low / med) Date Received: 09/17/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1960			P	
7440-36-0	Antimony	105			P	
7440-38-2	Arsenic	43.5			P	J
7440-39-3	Barium	2150			P	
7440-41-7	Beryllium	52.9			P	
7440-43-9	Cadmium	40.6			P	
7440-70-2	Calcium	85100			P	
7440-47-3	Chromium	220			P	
7440-48-4	Cobalt	528			P	
7440-50-8	Copper	271			P	
7439-89-6	Iron	1000			P	
7439-92-1	Lead	23.7			P	
7439-95-4	Magnesium	26400		E	P	J
7439-96-5	Manganese	564			P	
7439-97-6	Mercury	5.0			AV	
7440-02-0	Nickel	533			P	
7440-09-7	Potassium	3610	B		P	
7782-49-2	Selenium	5.1		N	P	J
7440-22-4	Silver	54.5			P	
7440-23-5	Sodium	44300		E	P	J
7440-28-0	Thallium	37.7		N	P	J
7440-62-2	Vanadium	569			P	
7440-66-6	Zinc	539			P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-DUP-1027(SW51) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil / water) Water Lab Sample ID: 20809171811

Level: (low / med) Date Received: 09/17/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	43.2	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	84300			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	1.0	B		P	
7439-89-6	Iron	8.1	U		P	
7439-92-1	Lead	2.0	B		P	
7439-95-4	Magnesium	26800		E	P	J
7439-96-5	Manganese	34.6			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3690	B		P	
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	44100		E	P	J
7440-28-0	Thallium	4.3	B	N	P	J
7440-62-2	Vanadium	5.0	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

JLN 16-DEC 2008

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

EPA SAMPLE NO.

SK-SW52-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil / water) Water Lab Sample ID: 20809171812

Level: (low / med) Date Received: 09/17/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	113	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	125000			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	1.6	B		P	
7439-89-6	Iron	17.5	B		P	
7439-92-1	Lead	3.6			P	
7439-95-4	Magnesium	29100		E	P	J
7439-96-5	Manganese	295			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3490	B		P	
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	37700		E	P	J
7440-28-0	Thallium	6.8	B	N	P	J
7440-62-2	Vanadium	10.2	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

JLM 16-DEC 20

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

EPA SAMPLE NO.

SK-FD-1027 (SW52) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091718

Matrix: (soil / water) Water Lab Sample ID: 20809171813

Level: (low / med) Date Received: 09/17/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	68.0	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	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	2.5	B		P	
7439-89-6	Iron	19.9	B		P	
7439-92-1	Lead	3.2			P	
7439-95-4	Magnesium	27900		E	P	J
7439-96-5	Manganese	226			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3950	B		P	
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	47300		E	P	J
7440-28-0	Thallium	1.8	U	N	P	UJ
7440-62-2	Vanadium	11.0	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

JLM 16-DEC 2008

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	208091718	10-1-08

Report to:
Client: Earth Tech
Address: 2373 Progress Drive
Hebron, KY 41048
Contact: Ron Roelker
Phone: 859-442-2300
Fax: 859-442-2311

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

P.O. Number: ~~54280~~ 105069.01
Project Name/Number: Skinner Landfill-~~2nd~~ 3rd Quarter 2008
Sampled By: Michael J. Papp / Michael J. Papp

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	SVOC	Pesticides	PCBs	Total Metals	Dissolved Metals (filtered)	Cyanide	VOCs	Remarks:	Lab ID	DSS
W	9/16/08	1620		X	SK-SW51-1027	various	10	X	X	X	X	X	X	X	Refer to table 7	1	9
↓	↓	1625		X	SK-MS-1027(SW51)	↓	↓	X	X	X	X	X	X	X	of O&M LTTP for	2	10
↓	↓	1630		X	SK-MSD-1027(SW51)	↓	↓	X	X	X	X	X	X	X	complete list	3,4	11
↓	↓	1745		X	SK-SW52-1027	↓	↓	X	X	X	X	X	X	X	of analytes	5	12
↓	↓	1750		X	SK-FD-1027(SW52)	↓	↓	X	X	X	X	X	X	X		6	13
↓	↓			X	SK-TB-1027	HCL	3								mn ~~VH BLK~~	7	
															VH BLK	8	

Lab use only:
Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C cooler 1 - 2.1
2 - 3.5
3 2.3

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Michael J. Papp	Fed Ex	9/16/08	2000
Fedy	K	9-17-08	1010

Note:
Dissolved Metals field filtered.
Trip Blank provided by Lab.
Please provide straight and diluted runs on analytical report.

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

828

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 105069

LABORATORY REPORT NUMBER 208091929

PROJECT MANAGER: Ron Roelker

Date: December 19, 2008

Data Validator: Janelle Murphy and 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
PEM	Performance Evaluation Mix
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 208091929 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2008, 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) 208091929.

GCAL #	Sample Description
20809192901	SK-GW6R-1027
20809192902	SK-GW7R-1027
20809192903	SK-GW61-1027
20809192904	SK-GW62A-1027
20809192905	SK-GW63-1027
20809192906	SK-FD-1027 (GW63)
20809192907	SK-GW64-1027
20809192908	SK-GW62B-1027
20809192911	SK-GW6R-1027(DISS)
20809192912	SK-SW52-1027 (DISS)
20809192913	SK-GW7R-1027 (DISS)
20809192914	SK-GW61-1027 (DISS)
20809192915	SK-GW62A-1027 (DISS)
20809192916	SK-GW63-1027 (DISS)
20809192917	SK-FD-1027 (DISS)
20809192918	SK-GW64-1027 (DISS)
20809192919	SK-GW58-1027
20809192920	SK-MS-1027 (GW58)
20809192922	SK-DUP-1027 (GW58)
20809192923	SK-GW59-1027
20809192925	SK-GW58-1027 (DISS)
20809192926	SK-MS-1027 GW58 (DISS)
20809192927	SK-DUP-1027 GW58 (DISS)
20809192928	SK-GW59-1027 (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 above the corresponding Contract Required Detection Limit (CRDL).

4. ICP INTERFERENCE CHECK SAMPLE

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

5. LABORATORY CONTROL SAMPLES

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

6. DUPLICATE ANALYSIS

The laboratory used sample SK-GW58-1027 (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 Manganese (190%) and Sodium (57%) associated with the dissolved fraction. As per the National Functional Guidelines, if the percent recovery is outside of the acceptance criteria of (<20%) then qualify detected results for that analyte with "J" and non-detected results with "UJ".

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-GW58-1027 (total and dissolved fractions) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75-125%) for all analytes with the exception of Cadmium (74%) and Selenium (65%) associated with the total fraction. As per the National Functional Guidelines, if the percent recovery is greater than 30% but less than the lower acceptance limit then qualify detected results for that analyte with "J" and non-detected results are qualified with "UJ".

8. ICP SERIAL DILUTION

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

All documentation submitted for review appeared accurate and in order.

11. OVERALL ASSESSMENT

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards analyzed on 10/6/08 were 66%, 90%, 96% and 91%.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 10/6/08 were 81%, 100%, 105% and 79%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 10/6/08 were 53%, 106%, 86% and 77%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 10/6/08 were 87%, 86%, 93% and 73%.

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

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 208091929 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2008, 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 208091929.

GCAL #	Sample Description
20809192901	SK-GW6R-1027
20809192902	SK-GW7R-1027
20809192903	SK-GW61-1027
20809192904	SK-GW62A-1027
20809192905	SK-GW63-1027
20809192906	SK-FD-1027 (GW63)
20809192907	SK-GW64-1027
20809192919	SK-GW58-1027
20809192920	SK-MS-1027 (GW58)
20809192921	SK-MSD-1027 (GW58)
20809192923	SK-GW59-1027

INTRODUCTION

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

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

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

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

UJ The analyte was not detected above the reported sample quantitation limit.

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

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

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

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

1. HOLDING TIMES

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

2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV4. 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 10/5/08 was analyzed on instrument MSSV4 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 Relative Standard Deviation (%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 RRFs and the average RRF for the ICs were within the acceptance criteria specified in the method for all target compounds. The %RSDs were within the acceptance criteria specified in the method for all target compounds.

B. Continuing Calibration

One CC dated 10/5/08 was analyzed in support of the semivolatile sample analyses reported in the data submissions. The RRFs for the CC was within the acceptance criteria specified in the method for all target compounds. The percent difference (%D) between the average RRFs and the CC Response Factors were within the acceptance criteria (<25%) with the exception of Indeno (1,2,3-cd) pyrene (31%). As per the National Functional Guidelines, if the %D is outside the $\pm$ 25% criterion then qualify detected results for that compound with "J" and non-detected results for that compound with "UJ".

4. BLANKS

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

<u>Method Blank (MB647692)</u>

Bis(2-ethylhexyl)phthalate (1 ppb) and diethylphthalate (0.9 ppb) were detected in the method blank extracted on 9/19/08.

<u>Method Blank (MB648595)</u>

Diethylphthalate (0.8 ppb) were detected in the method blank extracted on 9/22/08.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits with the exception of 1,2-Dichlorobenzene-d4 (12%) associated with sample SK-FD-1027 (GW63) and 2-Fluorobiphenyl (42%) associated with sample SK-GW58-1027. As per the National Functional Guidelines; no action is required when only one surrogate is outside of the acceptance criteria unless the percent recovery is less than 10%.

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

Sample SK-SW58-1027 was submitted for MS/MSD analysis. The MS/MSD percent recoveries are within the acceptance criteria with the exception of Pentachlorophenol associated with the MSD. All of the percent RPDs between the MS and MSD were within the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD results alone.

7. INTERNAL STANDARDS PERFORMANCE

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

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 were no sample volumes, units, date extracted, or preparation method listed on Form I SV-TIC. The analytical method reported by the GCAL on the Form I SV-TIC was listed as SW-846 8270C when it should have been listed as OLM04.2. The data validator manually made the corrections.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 208091929 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2008, 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 208091929.

GCAL #	Sample Description
20809192901	SK-GW6R-1027
20809192902	SK-GW7R-1027
20809192903	SK-GW61-1027
20809192904	SK-GW62A-1027
20809192905	SK-GW63-1027
20809192906	SK-FD-1027 (GW63)
20809192907	SK-GW64-1027
20809192908	SK-GW62B-1027
20809192909	SK-TB-1027
20809192910	VHBLK
20809192919	SK-GW58-1027
20809192920	SK-MS-1027 (GW58)
20809192921	SK-MSD-1027 (GW58)
20809192923	SK-GW59-1027
20809192924	SK-TB-1027

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 MSV0. Two bromofluorobenzene (BFB) tunes were run on MSV0. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 9/22/08 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRFs 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 RRFs 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. The data validator dropped the highest point of the calibration curve (25 ppb) for 2-Butanone and re-calculated the %RSD. The re-calculated %RSD was 9.1% which in within the acceptance criteria of <30%. The 2-Butanone results reported greater than 10 ppb were qualified as estimated with a "J" qualifier. The %RSDs were within the acceptance criteria specified in the method for all target compounds. As per the National Functional Guidelines, if any IC RRF is less than 0.05 then qualify detected results for that compound with "J" and non-detected results for that compound with "R".

B. Continuing Calibration

Two CCs dated 9/22/08 and 9/23/08 were analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRFs and the CC RFs for the CCs dated 9/22/08 and 9/23/08 were within the acceptance criteria for all target compounds.

4. BLANKS

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

<u>MB648439</u>

Chloroform (0.59 ppb) was detected in method blank MB648439 analyzed on 9/22/08 (1315).

MB648912

Chloroform (0.61 ppb) was detected in method blank MB648912 analyzed on 9/23/08 (1103).

Storage Blank (VHBLK)

Chloroform (1.1 ppb) was detected in the in the Storage Blank analyzed on 9/23/08.

Trip Blank

Methylene chloride (0.67 ppb) was detected in the Trip Blank associated with the samples received on 9/19/08.

Trip Blank

There were no target compounds detected in the Trip Blank associated with the samples received on 9/20/08.

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-GW58-1027 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. All of the percent RPDs between the MS and MSD were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

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

8. INTERNAL STANDARDS PERFORMANCE

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

9. COMPOUND IDENTIFICATION

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

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

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

12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 208091929 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2008, 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 208091929.

GCAL #	Sample Description
20809192901	SK-GW6R-1027
20809192902	SK-GW7R-1027
20809192903	SK-GW61-1027
20809192904	SK-GW62A-1027
20809192905	SK-GW63-1027
20809192906	SK-FD-1027 (GW63)
20809192907	SK-GW64-1027
20809192919	SK-GW58-1027
20809192920	SK-MS-1027 (GW58)
20809192921	SK-MSD-1027 (GW58)
20809192923	SK-GW59-1027

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.

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.

5. BLANKS

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

Method Blank 648246

No constituents were reported by GCAL for the method blank extracted on 9/20/08.

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-GW58-1027 was submitted for MS/MSD analysis. All of the percent recoveries associated with the MS/MSD were within the acceptance criteria with the exception of Dieldrin (45%), Endrin (50%), and Lindane (24%) associated with both the MS and MSD. All of the percent RPDs between the MS and MSD were within the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD results 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.

11. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

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 10/10/2008

GCAL Report 208091929

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:** 208091929

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.

Page 549 of this report was resubmitted on 12/23/08. The CF for the mid level standard, RRF, and % RSD were revised for 4,4'-DDT.

Page 484B was added to this report on 12/21/08. This page is the Form III MS/MSD summary for Pesticides. Page 527 was resubmitted with the correct result for delta-BHC.

Pages 180A-180J were added to this report on 12/17/08. These pages include the CCV summary and raw data and the associated tune raw data for MSV0, 09/23/08.

Forms 6I, 6J, and 6K were added to this report as pages 555A-C on 12/15/08.

VOLATILES MASS SPECTROMETRY

In the OLCO2.1 – CLP Volatiles analysis for analytical batch 397349, Chloroform was detected in the method blank.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 - CLP Semi-Volatiles analysis, samples 20809192906 (SK-FD-1027(GW63)) and 20809192919 (SK-GW58-1027) had one surrogate recovery outside control limits. All other surrogate recoveries were acceptable for these samples.

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 397380, the MSD exhibited a recovery failure. Bis(2-ethylhexyl)phthalate and Diethylphthalate were detected in the method blank.

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 397237, bis(2-ethylhexyl)phthalate and Diethylphthalate were detected in the method blank.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis for 397293, several MS/MSD recoveries were outside QC limits in a similar manner. This can be attributed to a matrix interference.

METALS

In the ILM04.1 - CLP Metals analysis for prep batch 397524, the MS recoveries (sample 20809192920 (SK-MS-1027 (GW58)) were outside the control limits for Cadmium and Selenium. The LCS recoveries were within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. Barium, Calcium, Iron, Magnesium, Manganese, Potassium, and Sodium are flagged as estimated on the serial dilution form due to the fact that the percent difference between original sample result and the serial dilution result for the batch QC sample is greater than 10. A chemical or physical interference is suspected.

In the ILM04.1 - CLP Metals analysis for prep batch 397523, the MS and/or MSD recoveries were outside the control limits for Selenium and Thallium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The Sample/Duplicate RPDs were abov e the control limits for Manganese and Sodium. Magnesium and Sodium are flagged as estimated on the serial dilution form due to the fact that the percent difference between original sample result and the serial dilution result for the batch QC sample is greater than 10.

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
DATA VALIDATION MANAGER
GCAL REPORT 208091929

THIS REPORT CONTAINS 885 PAGES.

Report Sample Summary

AL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20809192901	SK-GW6R-1027	Water	09/18/2008 13:35	09/19/2008 09:50
20809192902	SK-GW7R-1027	Water	09/18/2008 13:55	09/19/2008 09:50
20809192903	SK-GW61-1027	Water	09/18/2008 13:10	09/19/2008 09:50
20809192904	SK-GW62A-1027	Water	09/18/2008 11:15	09/19/2008 09:50
20809192905	SK-GW63-1027	Water	09/18/2008 10:15	09/19/2008 09:50
20809192906	SK-FD-1027(GW63)	Water	09/18/2008 10:20	09/19/2008 09:50
20809192907	SK-GW64-1027	Water	09/18/2008 09:45	09/19/2008 09:50
20809192908	SK-GW62B-1027	Water	09/17/2008 16:15	09/19/2008 09:50
20809192909	SK-TB-1027	Water	09/17/2008 00:00	09/19/2008 09:50
20809192910	VH BLK	Water	09/19/2008 00:00	09/19/2008 09:50
20809192911	SK-GW6R-1027 (DISS)	Water	09/18/2008 13:35	09/19/2008 09:50
20809192912	SK-GW7R-1027 (DISS)	Water	09/18/2008 13:55	09/19/2008 09:50
20809192913	SK-GW61-1027 (DISS)	Water	09/18/2008 13:10	09/19/2008 09:50
20809192914	SK-GW62A-1027 (DISS)	Water	09/18/2008 11:15	09/19/2008 09:50
20809192915	SK-GW62B-1027 (DISS)	Water	09/17/2008 16:15	09/19/2008 09:50
20809192916	SK-GW63-1027 (DISS)	Water	09/18/2008 10:15	09/19/2008 09:50
20809192917	SK-FD-1027 (DISS)	Water	09/18/2008 10:20	09/19/2008 09:50
20809192918	SK-GW64-1027 (DISS)	Water	09/18/2008 09:45	09/19/2008 09:50
20809192919	SK-GW58-1027	Water	09/19/2008 13:35	09/20/2008 10:00
20809192920	SK-MS-1027 (GW58)	Water	09/19/2008 13:40	09/20/2008 10:00
20809192921	SK-MSD-1027 (GW58)	Water	09/19/2008 13:45	09/20/2008 10:00
20809192922	SK-DUP-1027 (GW58)	Water	09/19/2008 13:45	09/20/2008 10:00
20809192923	SK-GW59-1027	Water	09/19/2008 14:45	09/20/2008 10:00
20809192924	SK-TB-1027	Water	09/19/2008 00:00	09/20/2008 10:00
20809192925	SK-GW58-1027 (DISS)	Water	09/19/2008 13:35	09/20/2008 10:00
20809192926	SK-MS-1027 GW58 (DISS)	Water	09/19/2008 13:40	09/20/2008 10:00
20809192927	SK-DUP-1027 GW58 (DISS)	Water	09/19/2008 13:45	09/20/2008 10:00
20809192928	SK-GW59-1027 (DISS)	Water	09/19/2008 14:45	09/20/2008 10:00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW6R-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

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

Lab Sample ID: 20809192901

Level: (low/med)

Lab File ID: 2080922/y2852

% Moisture: not dec.

Date Collected: 09/18/08 Time: 1335

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

Date Received: 09/19/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1751

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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
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	0.24	J	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW6R-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192901

Level: (low/med) Lab File ID: 2080922/y2852

% Moisture: not dec. Date Collected: 09/18/08 Time: 1335

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1751

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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	0.079	J	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-GW6R-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192901

Sample wt/vol: Units: Lab File ID: 2080922/y2852T

Level: (low/med) Date Collected: 09/18/08 Time: 1335

% Moisture: not dec. Date Received: 09/19/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1751

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	74-98-6	Propane	11.616	.4	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW7R-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192902

Level: (low/med) Lab File ID: 2080922/y2853

% Moisture: not dec. Date Collected: 09/18/08 Time: 1355

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1814

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW7R-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192902

Level: (low/med) Lab File ID: 2080922/y2853

% Moisture: not dec. Date Collected: 09/18/08 Time: 1355

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1814

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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-GW7R-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192902

Sample wt/vol: Units: Lab File ID: 2080922/y2853T

Level: (low/med) Date Collected: 09/18/08 Time: 1355

% Moisture: not dec. Date Received: 09/19/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1814

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 3

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-05-9	Cyclotrisiloxane, hexamethyl-	7.863	.783	
2.	556-67-2	Cyclotetrasiloxane, octamethyl	9.883	.905	
3.		Unknown	11.483	.812	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW61-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

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

Lab Sample ID: 20809192903

Level: (low/med)

Lab File ID: 2080922/y2854

% Moisture: not dec.

Date Collected: 09/18/08 Time: 1310

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

Date Received: 09/19/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1838

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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
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-GW61-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192903

Level: (low/med) Lab File ID: 2080922/y2854

% Moisture: not dec. Date Collected: 09/18/08 Time: 1310

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1838

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW61-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192903

Sample wt/vol: Units: Lab File ID: 2080922/y2854T

Level: (low/med) Date Collected: 09/18/08 Time: 1310

% Moisture: not dec. Date Received: 09/19/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1838

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 2

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	.654	
2.	556-67-2	Cyclotetrasiloxane, octamethyl	9.887	.703	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62A-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192904

Level: (low/med) Lab File ID: 2080922/y2855

% Moisture: not dec. Date Collected: 09/18/08 Time: 1115

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1902

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62A-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192904

Level: (low/med) Lab File ID: 2080922/y2855

% Moisture: not dec. Date Collected: 09/18/08 Time: 1115

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1902

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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-GW62A-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192904

Sample wt/vol: Units: Lab File ID: 2080922/y2855T

Level: (low/med) Date Collected: 09/18/08 Time: 1115

% Moisture: not dec. Date Received: 09/19/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1902

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
33581-43-0	O-methyloxime acetaldehyde	11.484	.2	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192905

Level: (low/med) Lab File ID: 2080922/y2856

% Moisture: not dec. Date Collected: 09/18/08 Time: 1015

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1926

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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
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-GW63-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

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

Lab Sample ID: 20809192905

Level: (low/med)

Lab File ID: 2080922/y2856

% Moisture: not dec.

Date Collected: 09/18/08 Time: 1015

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

Date Received: 09/19/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1926

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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-GW63-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192905

Sample wt/vol: Units: Lab File ID: 2080922/y2856T

Level: (low/med) Date Collected: 09/18/08 Time: 1015

% Moisture: not dec. Date Received: 09/19/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1926

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	556-67-2	Cyclotetrasiloxane, octamethyl	9.884	.605	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1027(GW63)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192906

Level: (low/med) Lab File ID: 2080922/y2857

% Moisture: not dec. Date Collected: 09/18/08 Time: 1020

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1949

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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
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-FD-1027(GW63)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192906

Level: (low/med) Lab File ID: 2080922/y2857

% Moisture: not dec. Date Collected: 09/18/08 Time: 1020

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1949

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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-FD-1027(GW63)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192906

Sample wt/vol: Units: Lab File ID: 2080922/y2857T

Level: (low/med) Date Collected: 09/18/08 Time: 1020

% Moisture: not dec. Date Received: 09/19/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1949

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 2

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-05-9	Cyclotrisiloxane, hexamethyl-	7.868	.529	
2.	556-67-2	Cyclotetrasiloxane, octamethyl	9.882	.508	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW64-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

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

Lab Sample ID: 20809192907

Level: (low/med)

Lab File ID: 2080922/y2851

% Moisture: not dec.

Date Collected: 09/18/08 Time: 0945

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

Date Received: 09/19/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1726

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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
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-GW64-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

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

Lab Sample ID: 20809192907

Level: (low/med)

Lab File ID: 2080922/y2851

% Moisture: not dec.

Date Collected: 09/18/08 Time: 0945

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

Date Received: 09/19/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1726

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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-GW64-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192907

Sample wt/vol: Units: Lab File ID: 2080922/y2851T

Level: (low/med) Date Collected: 09/18/08 Time: 0945

% Moisture: not dec. Date Received: 09/19/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1726

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 6

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	1.464	1.82	
2.	60-29-7	Ether	2.404	1.63	
3.	108-20-3	Diisopropyl ether	3.991	5.07	
4.	541-05-9	Cyclotrisiloxane, hexamethyl-	7.865	.636	
5.	556-67-2	Cyclotetrasiloxane, octamethyl	9.885	.83	
6.	~~108-95-2~~	~~Phenol~~	~~14.165~~	~~.505~~	

FORM I VOA-TIC

JLM 17-DEC 2008

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62B-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

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

Lab Sample ID: 20809192908

Level: (low/med)

Lab File ID: 2080922/y2850

% Moisture: not dec.

Date Collected: 09/17/08 Time: 1615

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

Date Received: 09/19/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1703

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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	0.57	J	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	0.17	J	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	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-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

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

Lab Sample ID: 20809192908

Level: (low/med)

Lab File ID: 2080922/y2850

% Moisture: not dec.

Date Collected: 09/17/08 Time: 1615

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

Date Received: 09/19/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1703

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW62B-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192908

Sample wt/vol: Units: Lab File ID: 2080922/y2850T

Level: (low/med) Date Collected: 09/17/08 Time: 1615

% Moisture: not dec. Date Received: 09/19/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1703

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 6

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	60-29-7	Ether	2.411	1.52	
2.	540-54-5	Propane, 1-chloro-	3.204	.834	
3.	123-91-1	1 4-Dioxane	7.158	1.9	
4.	124-19-6	Nonanal	12.132	.543	
5.		Unknown	12.385	.649	
6.	~~108-95-2~~	~~Phenol~~	~~13.625~~	~~.65~~	

JKM
17-Dec 2008

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

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

Lab Sample ID: 20809192909

Level: (low/med)

Lab File ID: 2080922/y2846

% Moisture: not dec.

Date Collected: 09/17/08 Time: 0000

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

Date Received: 09/19/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 1528

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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
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-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192909

Level: (low/med) Lab File ID: 2080922/y2846

% Moisture: not dec. Date Collected: 09/17/08 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1528

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	0.67	J	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-TB-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192909

Sample wt/vol: Units: Lab File ID: 2080922/y2846T

Level: (low/med) Date Collected: 09/17/08 Time: 0000

% Moisture: not dec. Date Received: 09/19/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 1528

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 3

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-05-9	Cyclotrisiloxane, hexamethyl-	7.865	.816	
2.	556-67-2	Cyclotetrasiloxane, octamethyl	9.885	1.02	
3.		Unknown	11.492	.634	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VH BLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192910

Level: (low/med) Lab File ID: 2080923/y2870

% Moisture: not dec. Date Collected: 09/19/08 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/19/08

Instrument ID: MSV0 Date Analyzed: 09/23/08 Time: 1339

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397440

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	1.1	B	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.

VH BLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

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

Lab Sample ID: 20809192910

Level: (low/med)

Lab File ID: 2080923/y2870

% Moisture: not dec.

Date Collected: 09/19/08 Time: 0000

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

Date Received: 09/19/08

Instrument ID: MSV0

Date Analyzed: 09/23/08 Time: 1339

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397440

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
VH BLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192910

Sample wt/vol: Units: Lab File ID: 2080923/y2870T

Level: (low/med) Date Collected: 09/19/08 Time: 0000

% Moisture: not dec. Date Received: 09/19/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/23/08 Time: 1339

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	54644-61-0	Butylmethyl-phenylester carbam	10.441	.51	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

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

Lab Sample ID: 20809192919

Level: (low/med)

Lab File ID: 2080923/y2865

% Moisture: not dec.

Date Collected: 09/19/08 Time: 1335

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

Date Received: 09/20/08

Instrument ID: MSV0

Date Analyzed: 09/23/08 Time: 1139

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397440

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	0.22	J	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192919

Level: (low/med) Lab File ID: 2080923/y2865

% Moisture: not dec. Date Collected: 09/19/08 Time: 1335

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/20/08

Instrument ID: MSV0 Date Analyzed: 09/23/08 Time: 1139

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397440

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW58-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192919

Sample wt/vol: Units: Lab File ID: 2080923/y2865T

Level: (low/med) Date Collected: 09/19/08 Time: 1335

% Moisture: not dec. Date Received: 09/20/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/23/08 Time: 1139

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	12.482	.75	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW59-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192923

Level: (low/med) Lab File ID: 2080922/y2858

% Moisture: not dec. Date Collected: 09/19/08 Time: 1445

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/20/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 2013

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

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

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW59-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192923

Level: (low/med) Lab File ID: 2080922/y2858

% Moisture: not dec. Date Collected: 09/19/08 Time: 1445

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/20/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 2013

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.2		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-GW59-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192923

Sample wt/vol: Units: Lab File ID: 2080922/y2858T

Level: (low/med) Date Collected: 09/19/08 Time: 1445

% Moisture: not dec. Date Received: 09/20/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 2013

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	556-67-2	Cyclotetrasiloxane, octamethyl	9.885	.497	

FORM I VOA-TIC

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

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

Lab Sample ID: 20809192924

Level: (low/med)

Lab File ID: 2080922/y2859

% Moisture: not dec.

Date Collected: 09/19/08 Time: 0000

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

Date Received: 09/20/08

Instrument ID: MSV0

Date Analyzed: 09/22/08 Time: 2037

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397349

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
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-TB-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192924

Level: (low/med) Lab File ID: 2080922/y2859

% Moisture: not dec. Date Collected: 09/19/08 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/20/08

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 2037

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-TB-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: Water Lab Sample ID: 20809192924

Sample wt/vol: Units: Lab File ID: 2080922/y2859T

Level: (low/med) Date Collected: 09/19/08 Time: 0000

% Moisture: not dec. Date Received: 09/20/08

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/22/08 Time: 2037

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 3

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	541-05-9	Cyclotrisiloxane, hexamethyl-	7.862	.331	
2.	556-67-2	Cyclotetrasiloxane, octamethyl	9.882	.502	
3.	0-00-0	Unknown	11.482	.372	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB648439

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 648439

Level: (low/med) Lab File ID: 2080922/y2841

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1315

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
74-87-3	Chloromethane	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
75-09-2	Methylene chloride	2.0	U	0.010	2.0
67-64-1	Acetone	5.0	U	0.010	5.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
67-66-3	Chloroform	0.59	J	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
71-43-2	Benzene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	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.

MB648439

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 648439

Level: (low/med) Lab File ID: 2080922/y2841

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 09/22/08 Time: 1315

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397349

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
100-42-5	Styrene	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB648912

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 648912

Level: (low/med) Lab File ID: 2080923/y2884

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 09/23/08 Time: 1103

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397440

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
74-87-3	Chloromethane	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
75-09-2	Methylene chloride	2.0	U	0.010	2.0
67-64-1	Acetone	5.0	U	0.010	5.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
67-66-3	Chloroform	0.61	J	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
71-43-2	Benzene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	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.

MB648912

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 648912

Level: (low/med) Lab File ID: 2080923/y2864

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 09/23/08 Time: 1103

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397440

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
100-42-5	Styrene	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS648913

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 648913

Level: (low/med) Lab File ID: 2080923/y2862

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 09/23/08 Time: 1015

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397440

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	5.2		0.010	1.0
107-06-2	1,2-Dichloroethane	5.2		0.010	1.0
56-23-5	Carbon tetrachloride	5.0		0.010	1.0
78-87-5	1,2-Dichloropropane	5.2		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.2		0.010	1.0
79-01-6	Trichloroethene	5.3		0.010	1.0
79-00-5	1,1,2-Trichloroethane	5.2		0.010	1.0
71-43-2	Benzene	4.8		0.010	1.0
75-25-2	Bromoform	5.3		0.010	1.0
127-18-4	Tetrachloroethene	5.0		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.3		0.010	1.0
106-93-4	1,2-Dibromoethane	5.4		0.010	1.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MS-1027 (GW58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil/water) Water

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

Lab Sample ID: 20809192920

Level: (low/med)

Lab File ID: 2080923/y2867ms

% Moisture: not dec.

Date Collected: 09/19/08 Time: 1340

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

Date Received: 09/20/08

Instrument ID: MSV0

Date Analyzed: 09/23/08 Time: 1227

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 397440

CONCENTRATION UNITS: ug/L

Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	4.7		0.010	1.0
106-93-4	1,2-Dibromoethane	5.0		0.010	1.0
107-06-2	1,2-Dichloroethane	5.5		0.010	1.0
78-87-5	1,2-Dichloropropane	4.4		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.0		0.010	1.0
71-43-2	Benzene	3.8		0.010	1.0
75-25-2	Bromoform	5.5		0.010	1.0
56-23-5	Carbon tetrachloride	3.7		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	4.4		0.010	1.0
127-18-4	Tetrachloroethene	3.7		0.010	1.0
79-01-6	Trichloroethene	4.0		0.010	1.0
75-01-4	Vinyl chloride	4.6		0.010	1.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MSD-1027 (GW58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20809192921

Level: (low/med) Lab File ID: 2080923/y2868msd

% Moisture: not dec. Date Collected: 09/19/08 Time: 1345

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/20/08

Instrument ID: MSV0 Date Analyzed: 09/23/08 Time: 1251

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 397440

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.2		0.010	1.0
106-93-4	1,2-Dibromoethane	5.4		0.010	1.0
107-06-2	1,2-Dichloroethane	4.5		0.010	1.0
78-87-5	1,2-Dichloropropane	5.0		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.0		0.010	1.0
71-43-2	Benzene	4.2		0.010	1.0
75-25-2	Bromoform	5.6		0.010	1.0
56-23-5	Carbon tetrachloride	4.1		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.0		0.010	1.0
127-18-4	Tetrachloroethene	4.2		0.010	1.0
79-01-6	Trichloroethene	4.6		0.010	1.0
75-01-4	Vinyl chloride	3.4		0.010	1.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW6R-1027

Contract:

Lab File ID: 2081005p/c9563

Lab Sample ID: 20809192901

Date Collected: 09/18/08 Time: 1335

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1317

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW6R-1027

Contract:

Lab File ID: 2081005p/c9563

Lab Sample ID: 20809192901

Date Collected: 09/18/08 Time: 1335

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1317

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~2~~ 10	JB	0.01	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~0.6~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

FORM I SV-1

JKM
18-DEC 2008

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW6R-1027

Contract:

Lab File ID: 2081005p/c9563

Lab Sample ID: 20809192901

Date Collected: 09/18/08 Time: 1335

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1317

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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.: 208091929

Matrix: Water

Sample wt/vol: 990 Units: ML

Level: (low/med) LOW

% 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-GW6R-1027

Contract:

Lab File ID: 2081005p/c9563

Lab Sample ID: 20809192901

Date Collected: 09/18/08 Time: 1335

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1317

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.425	35.4	
2.	994-05-8	Butane, 2-methoxy-2-methyl-	.446	147	
3.		Unknown	.901	5.24	
4.		Unknown	1.388	1.49	
5.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.42	3.83	
6.	84-15-1	o-Terphenyl	4.559	.834	
7.		Unknown	5.372	7.31	
8.	103-23-1	Hexanedioic acid, bis(2-ethylh	5.699	.979	

FORM I SV-TIC

JKM 18-DEC 2008

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW7R-1027

Contract:

Lab File ID: 2081005p/c9564

Lab Sample ID: 20809192902

Date Collected: 09/18/08 Time: 1355

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1332

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW7R-1027

Contract:

Lab File ID: 2081005p/c9564

Lab Sample ID: 20809192902

Date Collected: 09/18/08 Time: 1355

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1332

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~2~~ 10	JB	0.01	10	UL
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~0.5~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW7R-1027

Contract:

Lab File ID: 2081005p/c9564

Lab Sample ID: 20809192902

Date Collected: 09/18/08 Time: 1355

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1332

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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.: 208091929

Matrix: Water

Sample wt/vol: 900 Units: mL

Level: (low/med) LOW

% 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-GW7R-1027

Contract:

Lab File ID: 2081005p/c9564

Lab Sample ID: 20809192902

Date Collected: 09/18/08 Time: 1355

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1332

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLMO 4.2

Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	994-05-8	Butane, 2-methoxy-2-methyl-	.446	151	
2.	625-27-4	2-Pentene, 2-methyl-	.901	3.39	
3.		Unknown	1.388	2.57	
4.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.42	6.19	
5.	124-07-2	Octanoic Acid	2.34	1.43	
6.	112-05-0	Nonanoic acid	2.687	1.21	
7.	143-07-7	Dodecanoic acid	3.65	3.14	
8		Unknown	5.378	22.9	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW61-1027

Contract:

Lab File ID: 2081005p/c9565

Lab Sample ID: 20809192903

Date Collected: 09/18/08 Time: 1310

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1347

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208091929
Matrix: Water
Sample wt/vol: 990 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-GW61-1027
Contract:
Lab File ID: 2081005p/c9565
Lab Sample ID: 20809192903
Date Collected: 09/18/08 Time: 1310
Date Received: 09/19/08
Date Extracted: 09/19/08
Date Analyzed: 10/05/08 Time: 1347
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV4
Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~9~~ 10	JB	0.01	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~0.9~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW61-1027

Contract:

Lab File ID: 2081005p/c9565

Lab Sample ID: 20809192903

Date Collected: 09/18/08 Time: 1310

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1347

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 208091929
Matrix: Water
Sample wt/vol: 990 Units: mL
Level: (low/med) LOW
% 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-GW61-1027
Contract:
Lab File ID: 2081005p/c9565
Lab Sample ID: 20809192903
Date Collected: 09/18/08 Time: 1310
Date Received: 09/19/08
Date Extracted: 09/19/08
Date Analyzed: 10/05/08 Time: 1347
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLMO 4.2
Instrument ID: MSSV4

Number TICs Found: 10

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1	110-82-7	Cyclohexane	.425	29	
2		Unknown	5.394	25.7	
3	994-05-8	Butane, 2-methoxy-2-methyl-	.446	143	
4	123-91-1	1,4-Dioxane	.511	42.6	
5		Unknown	1.377	17.4	
6		Unknown	2.725	14.5	
7		Unknown	2.773	6.66	
8	629-50-5	Tridecane	2.816	6.88	
9	20637-49-4	Propane, 1,2,3-trimethoxy-	3.479	11.1	
10	115-28-6	Bicyclo[2.2.1]hept-5-ene-2,3-d	4.8	20.2	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-1027

Contract:

Lab File ID: 2081005p/c9566

Lab Sample ID: 20809192904

Date Collected: 09/18/08 Time: 1115

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1402

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-1027

Contract:

Lab File ID: 2081005p/c9566

Lab Sample ID: 20809192904

Date Collected: 09/18/08 Time: 1115

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1402

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~6~~ 10	JB	0.01	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~9~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-1027

Contract:

Lab File ID: 2081005p/c9566

Lab Sample ID: 20809192904

Date Collected: 09/18/08 Time: 1115

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1402

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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.: 208091929

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% 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-1027

Contract:

Lab File ID: 2081005p/c9566

Lab Sample ID: 20809192904

Date Collected: 09/18/08 Time: 1115

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1402

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 9

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	994-05-8	Butane, 2-methoxy-2-methyl-	.446	135	
2.		Unknown	2.65	20.2	
3.	816-19-3	Hexanoic acid, 2-ethyl-, methy	2.687	12.9	
4.		Unknown	2.773	18.2	
5.	59-48-3	2H-Indol-2-one, 1,3-dihydro-	3.693	9.62	
6.		Unknown	5.383	24.3	
7.		Unknown	6.683	8.39	
8.		Unknown	7.961	8.28	
9.	112-27-6	Triethylene glycol	8.603	35.4	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 980 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW63-1027

Contract:

Lab File ID: 2081005p/c9567

Lab Sample ID: 20809192905

Date Collected: 09/18/08 Time: 1015

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1417

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	26	U	0.01	26
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	26	U	0.01	26
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	26	U	0.01	26
534-52-1	2-Methyl-4,6-dinitrophenol	26	U	0.01	26
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 980 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW63-1027

Contract:

Lab File ID: 2081005p/c9567

Lab Sample ID: 20809192905

Date Collected: 09/18/08 Time: 1015

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1417

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~0.8~~ 10	JB	0.01	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~0.7~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	26	U	0.01	26	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	26	U	0.01	26	
87-86-5	Pentachlorophenol	26	U	0.01	26	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

FORM I SV-1

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 980 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW63-1027

Contract:

Lab File ID: 2081005p/c9567

Lab Sample ID: 20809192905

Date Collected: 09/18/08 Time: 1015

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1417

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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.: 208091929
Matrix: Water
Sample wt/vol: 980 Units: ML
Level: (low/med) LOW
% 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-GW63-1027
Contract:
Lab File ID: 2081005p/c9567
Lab Sample ID: 20809192905
Date Collected: 09/18/08 Time: 1015
Date Received: 09/19/08
Date Extracted: 09/19/08
Date Analyzed: 10/05/08 Time: 1417
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	994-05-8	Butane, 2-methoxy-2-methyl-	.446	125	
2.	3102-33-8	3-Penten-2-one, (E)-	.901	3.18	
3.		Unknown	.949	.679	
4.		Unknown	1.387	1.85	
5.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.42	5.65	
6.	2170-03-8	2,5-Furandione, dihydro-3-meth	1.473	1.39	
7.	149-57-5	Hexanoic acid, 2-ethyl-	2.131	.779	
8.		Unknown	5.372	6.37	

FORM I SV-TIC

JKM 18-DEC 200

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-FD-1027(GW63)

Contract:

Lab File ID: 2081005p/c9568

Lab Sample ID: 20809192906

Date Collected: 09/18/08 Time: 1020

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1432

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-FD-1027(GW63)

Contract:

Lab File ID: 2081005p/c9568

Lab Sample ID: 20809192906

Date Collected: 09/18/08 Time: 1020

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1432

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~7~~ 10	JB	0.01	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~9.7~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

FORM I SV-1

gkm
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-FD-1027(GW63)

Contract:

Lab File ID: 2081005p/c9568

Lab Sample ID: 20809192906

Date Collected: 09/18/08 Time: 1020

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1432

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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.: 208091929

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% 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-FD-1027(GW63)

Contract:

Lab File ID: 2081005p/c9568

Lab Sample ID: 20809192906

Date Collected: 09/18/08 Time: 1020

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1432

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 9

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	616-02-4	2,5-Furandione, 3-methyl-	1.403	4.98	
2.	616-02-4	2,5-Furandione, 3-methyl-	1.478	4.91	
3.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.992	.663	
4.		Unknown	3.302	.846	
5.	84-15-1	o-Terphenyl	4.559	.652	
6.	10544-50-0	Sulfur, mol. (S8)	4.992	.931	
7.		Unknown	5.372	8.79	
8.		Unknown	5.64	.89	
9.	103-23-1	Hexanedioic acid, bis(2-ethylh	5.698	.692	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW64-1027

Contract:

Lab File ID: 2081005p/c9569

Lab Sample ID: 20809192907

Date Collected: 09/18/08 Time: 0945

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1447

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW64-1027

Contract:

Lab File ID: 2081005p/c9569

Lab Sample ID: 20809192907

Date Collected: 09/18/08 Time: 0945

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1447

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~0.8~~ 10	JB	0.01	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~1~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW64-1027

Contract:

Lab File ID: 2081005p/c9569

Lab Sample ID: 20809192907

Date Collected: 09/18/08 Time: 0945

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1447

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397237 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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.: 208091929

Matrix: Water

Sample wt/vol: 990 Units: ML

Level: (low/med) LOW

% 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-GW64-1027

Contract:

Lab File ID: 2081005p/c9569

Lab Sample ID: 20809192907

Date Collected: 09/18/08 Time: 0945

Date Received: 09/19/08

Date Extracted: 09/19/08

Date Analyzed: 10/05/08 Time: 1447

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 7

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	994-05-8	Butane, 2-methoxy-2-methyl-	.446	153	
2.	123-91-1	1,4-Dioxane	.511	15.3	
3.		Unknown	.901	3.29	
4.	594-04-7	Dichloroiodomethane	.928	4.36	
5.	110-00-9	Furan	1.404	7.93	
6.		Unknown	5.394	17.3	
7.	103-95-7	3-(4-Isopropylphenyl)-2-methyl	5.64	3.6	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW58-1027

Contract:

Lab File ID: 2081005p/c9570

Lab Sample ID: 20809192919

Date Collected: 09/19/08 Time: 1335

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1503

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW58-1027

Contract:

Lab File ID: 2081005p/c9570

Lab Sample ID: 20809192919

Date Collected: 09/19/08 Time: 1335

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1503

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10	U	0.01	10	
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~0.5~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW58-1027

Contract:

Lab File ID: 2081005p/c9570

Lab Sample ID: 20809192919

Date Collected: 09/19/08 Time: 1335

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1503

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% 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-GW58-1027

Contract:

Lab File ID: 2081005p/c9570

Lab Sample ID: 20809192919

Date Collected: 09/19/08 Time: 1335

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1503

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLMO4.2

Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	994-05-8	Butane, 2-methoxy-2-methyl-	.446	53.5	
2.		Unknown	.863	.421	
3.	123-42-2	2-Pentanone, 4-hydroxy-4-methy	.965	45.3	
4.		Unknown	1.388	1.79	
5.	96-19-5	1-Propene, 1,2,3-trichloro-	1.42	7.18	
6.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.992	.339	
7.		Unknown	5.404	.816	
8.		Unknown	8.009	.533	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW59-1027

Contract:

Lab File ID: 2081005p/c9573

Lab Sample ID: 20809192923

Date Collected: 09/19/08 Time: 1445

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1548

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW59-1027

Contract:

Lab File ID: 2081005p/c9573

Lab Sample ID: 20809192923

Date Collected: 09/19/08 Time: 1445

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1548

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	2	JB	0.01	10	J
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~0.7~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	25	U	0.01	25	
87-86-5	Pentachlorophenol	25	U	0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-GW59-1027

Contract:

Lab File ID: 2081005p/c9573

Lab Sample ID: 20809192923

Date Collected: 09/19/08 Time: 1445

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1548

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

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1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% 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-GW59-1027

Contract:

Lab File ID: 2081005p/c9573

Lab Sample ID: 20809192923

Date Collected: 09/19/08 Time: 1445

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1548

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM04.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 9

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	994-05-8	Butane, 2-methoxy-2-methyl-	.446	96.5	
2.		Unknown	.51	3.82	
3.		Unknown	.96	3.52	
4.		Unknown	1.387	3.35	
5.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.42	12.1	
6.	149-57-5	Hexanoic acid, 2-ethyl-	2.179	21.4	
7.	544-76-3	Hexadecane	5.067	2.53	
8.	629-78-7	Heptadecane	5.292	3.25	
9.	629-78-7	Heptadecane	5.95	3.18	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

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: MB648595

Contract:

Lab File ID: 2081005p/c9556

Lab Sample ID: 648595

Date Collected: Time:

Date Received:

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1130

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-95-2	Phenol	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
98-95-3	Nitrobenzene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
85-01-8	Phenanthrene	10	U	0.01	10
84-74-2	Di-n-butylphthalate	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
85-68-7	Butylbenzylphthalate	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
218-01-9	Chrysene	10	U	0.01	10
117-81-7	bis(2-ethylhexyl)phthalate	1	J	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10

UJ

FORM I SV-1

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

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: MB648595

Contract:

Lab File ID: 2081005p/c9556

Lab Sample ID: 648595

Date Collected: Time:

Date Received:

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1130

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
208-96-8	Acenaphthylene	10	U	0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
132-64-9	Dibenzofuran	10	U	0.01	10
84-66-2	Diethylphthalate	0.8	J	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
86-74-8	Carbazole	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
117-84-0	Di-n-octylphthalate	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
88-75-5	2-Nitrophenol	10	U	0.01	10
83-32-9	Acenaphthene	10	U	0.01	10
121-14-2	2,4-Dinitrotoluene	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10
87-86-5	Pentachlorophenol	25	U	0.01	25
95-57-8	2-Chlorophenol	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

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: MB648595

Contract:

Lab File ID: 2081005p/c9556

Lab Sample ID: 648595

Date Collected: Time:

Date Received:

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1130

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
59-50-7	4-Chloro-3-methylphenol	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-MS-1027 (GW58)

Contract:

Lab File ID: 2081005p/c9571

Lab Sample ID: 20809192920

Date Collected: 09/19/08 Time: 1340

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1518

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	37		0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	61		0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	56		0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	42		0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-MS-1027 (GW58)

Contract:

Lab File ID: 2081005p/c9571

Lab Sample ID: 20809192920

Date Collected: 09/19/08 Time: 1340

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1518

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	1	J	0.01	10	
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	10	U	0.01	10	
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	UJ
78-59-1	Isophorone	10	U	0.01	10	
91-20-3	Naphthalene	10	U	0.01	10	
100-01-6	4-Nitroaniline	25	U	0.01	25	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	50		0.01	25	
87-86-5	Pentachlorophenol	64		0.01	25	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	59		0.01	10	
129-00-0	Pyrene	41		0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	32		0.01	10	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-MS-1027 (GW58)

Contract:

Lab File ID: 2081005p/c9571

Lab Sample ID: 20809192920

Date Collected: 09/19/08 Time: 1340

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1518

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-MSD-1027 (GW58)

Contract:

Lab File ID: 2081005p/c9572

Lab Sample ID: 20809192921

Date Collected: 09/19/08 Time: 1345

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1533

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10	U	0.01	10
88-06-2	2,4,6-Trichlorophenol	10	U	0.01	10
120-83-2	2,4-Dichlorophenol	10	U	0.01	10
51-28-5	2,4-Dinitrophenol	25	U	0.01	25
121-14-2	2,4-Dinitrotoluene	39		0.01	10
606-20-2	2,6-Dinitrotoluene	10	U	0.01	10
91-58-7	2-Chloronaphthalene	10	U	0.01	10
95-57-8	2-Chlorophenol	64		0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	59		0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	43		0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-MSD-1027 (GW58)

Contract:

Lab File ID: 2081005p/c9572

Lab Sample ID: 20809192921

Date Collected: 09/19/08 Time: 1345

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1533

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	0.8	J	0.01	10
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10
85-68-7	Butylbenzylphthalate	10	U	0.01	10
86-74-8	Carbazole	10	U	0.01	10
218-01-9	Chrysene	10	U	0.01	10
84-74-2	Di-n-butylphthalate	10	U	0.01	10
117-84-0	Di-n-octylphthalate	10	U	0.01	10
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10
132-64-9	Dibenzofuran	10	U	0.01	10
84-66-2	Diethylphthalate	10	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	54		0.01	25
87-86-5	Pentachlorophenol	80		0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	61		0.01	10
129-00-0	Pyrene	38		0.01	10
621-64-7	N-Nitroso-di-n-propylamine	34		0.01	10

UJ

FORM I SV-1

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 208091929

Matrix: Water

Sample wt/vol: 990 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-MSD-1027 (GW58)

Contract:

Lab File ID: 2081005p/c9572

Lab Sample ID: 20809192921

Date Collected: 09/19/08 Time: 1345

Date Received: 09/20/08

Date Extracted: 09/22/08

Date Analyzed: 10/05/08 Time: 1533

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 397380 Analytical Batch: 398187

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10
95-48-7	o-Cresol	10	U	0.01	10

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 960 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: 397293 Analytical Batch: 398045

Sample ID: SK-GW6R-1027
Contract:
SAS No.: SDG No.: 208091929
Lab Sample ID: 20809192901
Date Collected: 09/18/08 Time: 1335
Date Received: 09/19/08
Date Extracted: 09/20/08
Date Analyzed: 10/01/08 Time: 1713
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: 2081001/sv18a025

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.104	U	0.000104	0.104
72-55-9	4,4'-DDE	0.104	U	0.000104	0.104
50-29-3	4,4'-DDT	0.104	U	0.000104	0.104
309-00-2	Aldrin	0.052	U	0.000104	0.052
12674-11-2	Aroclor-1016	1.04	U	0.000104	1.04
11104-28-2	Aroclor-1221	2.08	U	0.000104	2.08
11141-16-5	Aroclor-1232	1.04	U	0.000104	1.04
53469-21-9	Aroclor-1242	1.04	U	0.000104	1.04
12672-29-6	Aroclor-1248	1.04	U	0.000104	1.04
11097-69-1	Aroclor-1254	1.04	U	0.000104	1.04
11096-82-5	Aroclor-1260	1.04	U	0.000104	1.04
60-57-1	Dieldrin	0.104	U	0.000104	0.104
959-98-8	Endosulfan I	0.052	U	0.000104	0.052
33213-65-9	Endosulfan II	0.104	U	0.000104	0.104
1031-07-8	Endosulfan sulfate	0.104	U	0.000104	0.104
72-20-8	Endrin	0.104	U	0.000104	0.104
7421-93-4	Endrin aldehyde	0.104	U	0.000104	0.104
53494-70-5	Endrin ketone	0.104	U	0.000104	0.104
76-44-8	Heptachlor	0.052	U	0.000104	0.052
1024-57-3	Heptachlor epoxide	0.052	U	0.000104	0.052
72-43-5	Methoxychlor	0.521	U	0.000104	0.521
8001-35-2	Toxaphene	5.21	U	0.000104	5.21
319-84-6	alpha-BHC	0.052	U	0.000104	0.052
5103-71-9	alpha-Chlordane	0.052	U	0.000104	0.052
319-85-7	beta-BHC	0.052	U	0.000104	0.052
319-86-8	delta-BHC	0.052	U	0.000104	0.052
58-89-9	gamma-BHC (Lindane)	0.052	U	0.000104	0.052
5103-74-2	gamma-Chlordane	0.052	U	0.000104	0.052

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 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: 397293 Analytical Batch: 398045

Sample ID: SK-GW7R-1027
Contract:
SAS No.: SDG No.: 208091929
Lab Sample ID: 20809192902
Date Collected: 09/18/08 Time: 1355
Date Received: 09/19/08
Date Extracted: 09/20/08
Date Analyzed: 10/01/08 Time: 1731
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: 2081001/sv18a026

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.101	U	0.000101	0.101
72-55-9	4,4'-DDE	0.101	U	0.000101	0.101
50-29-3	4,4'-DDT	0.101	U	0.000101	0.101
309-00-2	Aldrin	0.051	U	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.101	U	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.101	U	0.000101	0.101
7421-93-4	Endrin aldehyde	0.101	U	0.000101	0.101
53494-70-5	Endrin ketone	0.101	U	0.000101	0.101
76-44-8	Heptachlor	0.051	U	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 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: 397293 Analytical Batch: 398045

Sample ID: SK-GW61-1027
Contract:
SAS No.: SDG No.: 208091929
Lab Sample ID: 20809192903
Date Collected: 09/18/08 Time: 1310
Date Received: 09/19/08
Date Extracted: 09/20/08
Date Analyzed: 10/01/08 Time: 1749
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: 2081001/sv18a027

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.101	U	0.000101	0.101
72-55-9	4,4'-DDE	0.101	U	0.000101	0.101
50-29-3	4,4'-DDT	0.101	U	0.000101	0.101
309-00-2	Aldrin	0.051	U	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.101	U	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.101	U	0.000101	0.101
7421-93-4	Endrin aldehyde	0.101	U	0.000101	0.101
53494-70-5	Endrin ketone	0.101	U	0.000101	0.101
76-44-8	Heptachlor	0.051	U	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 980 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: 397293 Analytical Batch: 398045

Sample ID: SK-GW62A-1027

Contract:

SAS No.: SDG No.: 208091929

Lab Sample ID: 20809192904

Date Collected: 09/18/08 Time: 1115

Date Received: 09/19/08

Date Extracted: 09/20/08

Date Analyzed: 10/01/08 Time: 1901

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: 2081001/sv18a031

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.102	U	0.000102	0.102
72-55-9	4,4'-DDE	0.102	U	0.000102	0.102
50-29-3	4,4'-DDT	0.102	U	0.000102	0.102
309-00-2	Aldrin	0.051	U	0.000102	0.051
12674-11-2	Aroclor-1016	1.02	U	0.000102	1.02
11104-28-2	Aroclor-1221	2.04	U	0.000102	2.04
11141-16-5	Aroclor-1232	1.02	U	0.000102	1.02
53469-21-9	Aroclor-1242	1.02	U	0.000102	1.02
12672-29-6	Aroclor-1248	1.02	U	0.000102	1.02
11097-69-1	Aroclor-1254	1.02	U	0.000102	1.02
11096-82-5	Aroclor-1260	1.02	U	0.000102	1.02
60-57-1	Dieldrin	0.102	U	0.000102	0.102
959-98-8	Endosulfan I	0.051	U	0.000102	0.051
33213-65-9	Endosulfan II	0.102	U	0.000102	0.102
1031-07-8	Endosulfan sulfate	0.102	U	0.000102	0.102
72-20-8	Endrin	0.102	U	0.000102	0.102
7421-93-4	Endrin aldehyde	0.102	U	0.000102	0.102
53494-70-5	Endrin ketone	0.102	U	0.000102	0.102
76-44-8	Heptachlor	0.051	U	0.000102	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000102	0.051
72-43-5	Methoxychlor	0.510	U	0.000102	0.510
8001-35-2	Toxaphene	5.10	U	0.000102	5.10
319-84-6	alpha-BHC	0.051	U	0.000102	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000102	0.051
319-85-7	beta-BHC	0.051	U	0.000102	0.051
319-86-8	delta-BHC	0.051	U	0.000102	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000102	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000102	0.051

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 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: 397293 Analytical Batch: 398045

Sample ID: SK-GW63-1027
Contract:
SAS No.: SDG No.: 208091929
Lab Sample ID: 20809192905
Date Collected: 09/18/08 Time: 1015
Date Received: 09/19/08
Date Extracted: 09/20/08
Date Analyzed: 10/01/08 Time: 1919
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: 2081001/sv18a032

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.101	U	0.000101	0.101
72-55-9	4,4'-DDE	0.101	U	0.000101	0.101
50-29-3	4,4'-DDT	0.101	U	0.000101	0.101
309-00-2	Aldrin	0.051	U	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.101	U	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.101	U	0.000101	0.101
7421-93-4	Endrin aldehyde	0.101	U	0.000101	0.101
53494-70-5	Endrin ketone	0.101	U	0.000101	0.101
76-44-8	Heptachlor	0.051	U	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 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: 397293 Analytical Batch: 398045

Sample ID: SK-FD-1027(GW63)
Contract:
SAS No.: SDG No.: 208091929
Lab Sample ID: 20809192906
Date Collected: 09/18/08 Time: 1020
Date Received: 09/19/08
Date Extracted: 09/20/08
Date Analyzed: 10/01/08 Time: 1937
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: 2081001/sv18a033

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.101	U	0.000101	0.101
72-55-9	4,4'-DDE	0.101	U	0.000101	0.101
50-29-3	4,4'-DDT	0.101	U	0.000101	0.101
309-00-2	Aldrin	0.051	U	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.101	U	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.101	U	0.000101	0.101
7421-93-4	Endrin aldehyde	0.101	U	0.000101	0.101
53494-70-5	Endrin ketone	0.101	U	0.000101	0.101
76-44-8	Heptachlor	0.051	U	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 970 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: 397293 Analytical Batch: 398045

Sample ID: SK-GW64-1027
Contract:
SAS No.: SDG No.: 208091929
Lab Sample ID: 20809192907
Date Collected: 09/18/08 Time: 0945
Date Received: 09/19/08
Date Extracted: 09/20/08
Date Analyzed: 10/01/08 Time: 1955
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: 2081001/sv18a034

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.103	U	0.000103	0.103
72-55-9	4,4'-DDE	0.103	U	0.000103	0.103
50-29-3	4,4'-DDT	0.103	U	0.000103	0.103
309-00-2	Aldrin	0.052	U	0.000103	0.052
12674-11-2	Aroclor-1016	1.03	U	0.000103	1.03
11104-28-2	Aroclor-1221	2.06	U	0.000103	2.06
11141-16-5	Aroclor-1232	1.03	U	0.000103	1.03
53469-21-9	Aroclor-1242	1.03	U	0.000103	1.03
12672-29-6	Aroclor-1248	1.03	U	0.000103	1.03
11097-69-1	Aroclor-1254	1.03	U	0.000103	1.03
11096-82-5	Aroclor-1260	1.03	U	0.000103	1.03
60-57-1	Dieldrin	0.103	U	0.000103	0.103
959-98-8	Endosulfan I	0.052	U	0.000103	0.052
33213-65-9	Endosulfan II	0.103	U	0.000103	0.103
1031-07-8	Endosulfan sulfate	0.103	U	0.000103	0.103
72-20-8	Endrin	0.103	U	0.000103	0.103
7421-93-4	Endrin aldehyde	0.103	U	0.000103	0.103
53494-70-5	Endrin ketone	0.103	U	0.000103	0.103
76-44-8	Heptachlor	0.052	U	0.000103	0.052
1024-57-3	Heptachlor epoxide	0.011	J	0.000103	0.052
72-43-5	Methoxychlor	0.515	U	0.000103	0.515
8001-35-2	Toxaphene	5.15	U	0.000103	5.15
319-84-6	alpha-BHC	0.052	U	0.000103	0.052
5103-71-9	alpha-Chlordane	0.052	U	0.000103	0.052
319-85-7	beta-BHC	0.052	U	0.000103	0.052
319-86-8	delta-BHC	0.00530	J	0.000103	0.052
58-89-9	gamma-BHC (Lindane)	0.052	U	0.000103	0.052
5103-74-2	gamma-Chlordane	0.052	U	0.000103	0.052

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 950 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: 397293 Analytical Batch: 398045

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW58-1027

Contract:

SAS No.: SDG No.: 208091929

Lab Sample ID: 20809192919

Date Collected: 09/19/08 Time: 1335

Date Received: 09/20/08

Date Extracted: 09/20/08

Date Analyzed: 10/01/08 Time: 2012

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: 2081001/sv18a035

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.105	U	0.000105	0.105
72-55-9	4,4'-DDE	0.105	U	0.000105	0.105
50-29-3	4,4'-DDT	0.105	U	0.000105	0.105
309-00-2	Aldrin	0.053	U	0.000105	0.053
12674-11-2	Aroclor-1016	1.05	U	0.000105	1.05
11104-28-2	Aroclor-1221	2.11	U	0.000105	2.11
11141-16-5	Aroclor-1232	1.05	U	0.000105	1.05
53469-21-9	Aroclor-1242	1.05	U	0.000105	1.05
12672-29-6	Aroclor-1248	1.05	U	0.000105	1.05
11097-69-1	Aroclor-1254	1.05	U	0.000105	1.05
11096-82-5	Aroclor-1260	1.05	U	0.000105	1.05
60-57-1	Dieldrin	0.105	U	0.000105	0.105
959-98-8	Endosulfan I	0.053	U	0.000105	0.053
33213-65-9	Endosulfan II	0.105	U	0.000105	0.105
1031-07-8	Endosulfan sulfate	0.105	U	0.000105	0.105
72-20-8	Endrin	0.105	U	0.000105	0.105
7421-93-4	Endrin aldehyde	0.105	U	0.000105	0.105
53494-70-5	Endrin ketone	0.105	U	0.000105	0.105
76-44-8	Heptachlor	0.053	U	0.000105	0.053
1024-57-3	Heptachlor epoxide	0.053	U	0.000105	0.053
72-43-5	Methoxychlor	0.526	U	0.000105	0.526
8001-35-2	Toxaphene	5.26	U	0.000105	5.26
319-84-6	alpha-BHC	0.053	U	0.000105	0.053
5103-71-9	alpha-Chlordane	0.053	U	0.000105	0.053
319-85-7	beta-BHC	0.053	U	0.000105	0.053
319-86-8	delta-BHC	0.053	U	0.000105	0.053
58-89-9	gamma-BHC (Lindane)	0.053	U	0.000105	0.053
5103-74-2	gamma-Chlordane	0.053	U	0.000105	0.053

FORM I ORG-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 990 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: 397293 Analytical Batch: 398045

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW59-1027

Contract:

SAS No.: SDG No.: 208091929

Lab Sample ID: 20809192923

Date Collected: 09/19/08 Time: 1445

Date Received: 09/20/08

Date Extracted: 09/20/08

Date Analyzed: 10/01/08 Time: 2125

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: 2081001/sv18a039

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.101	U	0.000101	0.101
72-55-9	4,4'-DDE	0.101	U	0.000101	0.101
50-29-3	4,4'-DDT	0.101	U	0.000101	0.101
309-00-2	Aldrin	0.051	U	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.101	U	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.101	U	0.000101	0.101
7421-93-4	Endrin aldehyde	0.101	U	0.000101	0.101
53494-70-5	Endrin ketone	0.101	U	0.000101	0.101
76-44-8	Heptachlor	0.051	U	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 397293 Analytical Batch: 398045

Sample ID: MB648246
Contract:
SAS No.: SDG No.: 208091929
Lab Sample ID: 648246
Date Collected: Time:
Date Received:
Date Extracted: 09/20/08
Date Analyzed: 10/01/08 Time: 1507
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: 2081001/sv18a018

CONCENTRATION UNITS: ug/L

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

FORM I ORG-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 990 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: 397293 Analytical Batch: 398045

CONCENTRATION UNITS: ug/L

Sample ID: SK-MS-1027 (GW58)

Contract:

SAS No.: SDG No.: 208091929

Lab Sample ID: 20809192920

Date Collected: 09/19/08 Time: 1340

Date Received: 09/20/08

Date Extracted: 09/20/08

Date Analyzed: 10/01/08 Time: 2030

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: 2081001/sv18a036

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00900	J	0.000101	0.101
72-55-9	4,4'-DDE	0.140	E	0.000101	0.101
50-29-3	4,4'-DDT	0.460	E	0.000101	0.101
309-00-2	Aldrin	0.340	E	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.450	E	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.500	E	0.000101	0.101
7421-93-4	Endrin aldehyde	0.00823	J	0.000101	0.101
53494-70-5	Endrin ketone	0.012	J	0.000101	0.101
76-44-8	Heptachlor	0.320	E	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.120	E	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 990 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: 397293 Analytical Batch: 398045

CONCENTRATION UNITS: ug/L

Sample ID: SK-MSD-1027 (GW58)

Contract:

SAS No.: SDG No.: 208091929

Lab Sample ID: 20809192921

Date Collected: 09/19/08 Time: 1345

Date Received: 09/20/08

Date Extracted: 09/20/08

Date Analyzed: 10/01/08 Time: 2048

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: 2081001/sv18a037

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00900	J	0.000101	0.101
72-55-9	4,4'-DDE	0.140	E	0.000101	0.101
50-29-3	4,4'-DDT	0.450	E	0.000101	0.101
309-00-2	Aldrin	0.310	E	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.450	E	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
3329-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.490	E	0.000101	0.101
7421-93-4	Endrin aldehyde	0.00729	J	0.000101	0.101
53494-70-5	Endrin ketone	0.012	J	0.000101	0.101
76-44-8	Heptachlor	0.300	E	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.120	E	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW6R-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil / water) Water Lab Sample ID: 20809192901

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1190			P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	6.8	B		P	
7440-39-3	Barium	251		E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	235000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	3.0	B		P	
7440-50-8	Copper	6.0	B		P	
7439-89-6	Iron	4050		E	P	J
7439-92-1	Lead	4.8			P	
7439-95-4	Magnesium	47500		E	P	J
7439-96-5	Manganese	535		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.9	B		P	
7440-09-7	Potassium	3010	B	E	P	J
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	18000		E	P	J
7440-28-0	Thallium	1.8	U		P	
7440-62-2	Vanadium	14.5	B		P	
7440-66-6	Zinc	4.8	B		P	
57-12-5	Cyanide	0.6	U		AS	

Color Before: LT BROWN Clarity Before: CLEAR Texture:

Color After: LT BROWN Clarity After: CLEAR Artifacts:

Comments:

JKM 22-Dec 20

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW7R-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil / water) Water Lab Sample ID: 20809192902

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1220			P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	115	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	304000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	2.9	B		P	
7440-50-8	Copper	0.6	U		P	
7439-89-6	Iron	4740		E	P	J
7439-92-1	Lead	3.1			P	
7439-95-4	Magnesium	53500		E	P	J
7439-96-5	Manganese	2830		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	4.3	B		P	
7440-09-7	Potassium	3190	B	E	P	J
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	24800		E	P	J
7440-28-0	Thallium	1.8	U		P	
7440-62-2	Vanadium	13.8	B		P	
7440-66-6	Zinc	4.2	B		P	
57-12-5	Cyanide	2.7	B		AS	

Color Before: LT BROWN Clarity Before: CLEAR Texture:

Color After: LT BROWN Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW61-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil / water) Water Lab Sample ID: 20809192903

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	34.6	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	334000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	3.9	B		P	
7439-89-6	Iron	133		E	P	J
7439-92-1	Lead	1.2	U		P	
7439-95-4	Magnesium	66000		E	P	J
7439-96-5	Manganese	240		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	2.9	B		P	
7440-09-7	Potassium	13000		E	P	J
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.7	B		P	
7440-23-5	Sodium	51700		E	P	J
7440-28-0	Thallium	2.0	B		P	
7440-62-2	Vanadium	13.0	B		P	
7440-66-6	Zinc	0.5	U		P	
57-12-5	Cyanide	1.0	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62A-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil / water) Water Lab Sample ID: 20809192904

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	192	B		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	107	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	134000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	6.0	B		P	
7439-89-6	Iron	1020		E	P	J
7439-92-1	Lead	3.3			P	J
7439-95-4	Magnesium	47100		E	P	J
7439-96-5	Manganese	51.5		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	7230		E	P	J
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	105000		E	P	J
7440-28-0	Thallium	1.8	U		P	UJ
7440-62-2	Vanadium	9.2	B		P	
7440-66-6	Zinc	0.5	U		P	
57-12-5	Cyanide	0.9	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW63-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil / water) Water Lab Sample ID: 20809192905

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	882			P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	4.7	B		P	
7440-39-3	Barium	52.0	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	348000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.9	B		P	
7440-50-8	Copper	3.1	B		P	
7439-89-6	Iron	2360		E	P	J
7439-92-1	Lead	1.4	B		P	J
7439-95-4	Magnesium	82700		E	P	J
7439-96-5	Manganese	687		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	2.2	B		P	
7440-09-7	Potassium	7600		E	P	J
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	65400		E	P	J
7440-28-0	Thallium	1.8	U		P	UJ
7440-62-2	Vanadium	12.0	B		P	
7440-66-6	Zinc	0.5	U		P	
57-12-5	Cyanide	1.9	B		AS	

Color Before: LT BROWN Clarity Before: CLEAR Texture:

Color After: LT BROWN Clarity After: CLEAR Artifacts:

Comments:

JLM
22-Dec 20

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1027(GW63)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192906

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1240			P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	53.1	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	345000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	1.0	B		P	
7440-50-8	Copper	2.4	B		P	
7439-89-6	Iron	3080		E	P	J
7439-92-1	Lead	1.8	B		P	J
7439-95-4	Magnesium	82500		E	P	J
7439-96-5	Manganese	964		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	2.9	B		P	
7440-09-7	Potassium	7750		E	P	J
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	65100		E	P	J
7440-28-0	Thallium	3.1	B		P	J
7440-62-2	Vanadium	11.4	B		P	
7440-66-6	Zinc	1.6	B		P	
57-12-5	Cyanide	1.6	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW64-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil / water) Water Lab Sample ID: 20809192907

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	333			P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	49.3	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	206000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	1.6	B		P	
7440-50-8	Copper	1.1	B		P	
7439-89-6	Iron	1300		E	P	J
7439-92-1	Lead	2.9	B		P	J
7439-95-4	Magnesium	66000		E	P	J
7439-96-5	Manganese	793		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	6.3	B		P	
7440-09-7	Potassium	20400		E	P	J
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	59000		E	P	J
7440-28-0	Thallium	1.8	U		P	UJ
7440-62-2	Vanadium	9.2	B		P	
7440-66-6	Zinc	0.5	U		P	
57-12-5	Cyanide	2.1	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62B-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192908

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	86.8	B		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	140	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	368000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	8.6	B		P	
7440-50-8	Copper	0.6	U		P	
7439-89-6	Iron	1240		E	P	J
7439-92-1	Lead	1.2	U		P	UJ
7439-95-4	Magnesium	90400		E	P	J
7439-96-5	Manganese	4080		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	23.1	B		P	
7440-09-7	Potassium	21700		E	P	J
7782-49-2	Selenium	4.0	B	N	P	J
7440-22-4	Silver	0.4	B		P	
7440-23-5	Sodium	78500		E	P	J
7440-28-0	Thallium	1.8	U		P	UJ
7440-62-2	Vanadium	10.2	B		P	
7440-66-6	Zinc	44.3			P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW6R-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192911

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	168	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	229000			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	1.4	B		P	
7440-50-8	Copper	1.2	B		P	
7439-89-6	Iron	60.0	B		P	
7439-92-1	Lead	1.2	B		P	
7439-95-4	Magnesium	43600		E	P	J
7439-96-5	Manganese	451		*	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	B		P	
7440-09-7	Potassium	5400			P	
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	29900		*,E	P	J
7440-28-0	Thallium	1.9	B	N	P	
7440-62-2	Vanadium	12.0	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW7R-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192912

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15.3	U		P
7440-36-0	Antimony	1.6	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	59.3	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	270000			P
7440-47-3	Chromium	0.2	U		P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	0.6	U		P
7439-89-6	Iron	419			P
7439-92-1	Lead	1.2	U		P
7439-95-4	Magnesium	45600		E	P
7439-96-5	Manganese	2780		*	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.9	B		P
7440-09-7	Potassium	2660	B		P
7782-49-2	Selenium	3.1	U	N	P
7440-22-4	Silver	0.5	B		P
7440-23-5	Sodium	23000		*,E	P
7440-28-0	Thallium	1.8	U	N	P
7440-62-2	Vanadium	12.8	B		P
7440-66-6	Zinc	1.1	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW61-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192913

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	63.3	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	222000			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	2.4	B		P	
7439-89-6	Iron	31.2	B		P	
7439-92-1	Lead	2.0	B		P	
7439-95-4	Magnesium	54800		E	P	J
7439-96-5	Manganese	227		*	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.2	B		P	
7440-09-7	Potassium	9240			P	
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	78000		*,E	P	J
7440-28-0	Thallium	2.7	B	N	P	
7440-62-2	Vanadium	12.1	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62A-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192914

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	98.9	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	127000			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	3.5	B		P	
7439-89-6	Iron	8.1	U		P	
7439-92-1	Lead	1.3	B		P	
7439-95-4	Magnesium	46300		E	P	J
7439-96-5	Manganese	33.4		*	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	7300			P	
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	106000		*,E	P	J
7440-28-0	Thallium	1.8	U	N	P	
7440-62-2	Vanadium	11.5	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62B-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192915

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	130	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	340000			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	7.9	B		P	
7440-50-8	Copper	0.6	U		P	
7439-89-6	Iron	169			P	
7439-92-1	Lead	1.9	B		P	
7439-95-4	Magnesium	83700		E	P	J
7439-96-5	Manganese	3770		*	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	20.4	B		P	
7440-09-7	Potassium	20000			P	
7782-49-2	Selenium	4.2	B	N	P	J
7440-22-4	Silver	0.8	B		P	
7440-23-5	Sodium	72600		*,E	P	J
7440-28-0	Thallium	1.8	U	N	P	
7440-62-2	Vanadium	11.4	B		P	
7440-66-6	Zinc	23.7			P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW63-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192916

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	46.4	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	343000			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.6	B		P	
7440-50-8	Copper	0.6	U		P	
7439-89-6	Iron	8.1	U		P	
7439-92-1	Lead	1.2	U		P	
7439-95-4	Magnesium	81100		E	P	J
7439-96-5	Manganese	1520		*	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.5	B		P	
7440-09-7	Potassium	7500			P	
7782-49-2	Selenium	4.7	B	N	P	J
7440-22-4	Silver	0.6	B		P	
7440-23-5	Sodium	65700		*,E	P	J
7440-28-0	Thallium	1.8	U	N	P	
7440-62-2	Vanadium	14.1	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192917

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	44.3	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	334000			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	1.0	B		P	
7440-50-8	Copper	0.6	U		P	
7439-89-6	Iron	101			P	
7439-92-1	Lead	1.2	U		P	
7439-95-4	Magnesium	79500		E	P	J
7439-96-5	Manganese	1930		*	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.0	B		P	
7440-09-7	Potassium	7380			P	
7782-49-2	Selenium	4.3	B	N	P	J
7440-22-4	Silver	0.5	B		P	
7440-23-5	Sodium	64800		*,E	P	J
7440-28-0	Thallium	1.8	U	N	P	
7440-62-2	Vanadium	14.3	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW64-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192918

Level: (low / med) Date Received: 09/19/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	48.4	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	194000			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.4	B		P	
7440-50-8	Copper	0.6	B		P	
7439-89-6	Iron	8.1	U		P	
7439-92-1	Lead	1.2	U		P	
7439-95-4	Magnesium	62900		E	P	J
7439-96-5	Manganese	619		*	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	4.0	B		P	
7440-09-7	Potassium	17100			P	
7782-49-2	Selenium	3.1	U	N	P	
7440-22-4	Silver	0.5	B		P	
7440-23-5	Sodium	52900		*,E	P	J
7440-28-0	Thallium	1.8	U	N	P	
7440-62-2	Vanadium	13.6	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

JKM 22-DEC 2008

741

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

EPA SAMPLE NO.

SK-GW58-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil / water) Water Lab Sample ID: 20809192919

Level (low / med) Date Received: 09/20/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	188	B		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	133	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	124000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	3.6	B		P	
7439-89-6	Iron	859		E	P	J
7439-92-1	Lead	4.2			P	
7439-95-4	Magnesium	35100		E	P	J
7439-96-5	Manganese	30.2		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3450	B	E	P	J
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	27000		E	P	J
7440-28-0	Thallium	1.8	U		P	
7440-62-2	Vanadium	12.3	B		P	
7440-66-6	Zinc	0.5	U		P	
57-12-5	Cyanide	1.3	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

JCM 22-DEC 20

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-MS-1027 (GW58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192920

Level: (low / med) Date Received: 09/20/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2290			P	
7440-36-0	Antimony	100			P	
7440-38-2	Arsenic	38.8			P	
7440-39-3	Barium	2200		E	P	J
7440-41-7	Beryllium	52.4			P	
7440-43-9	Cadmium	36.9		N	P	J
7440-70-2	Calcium	115000		E	P	J
7440-47-3	Chromium	219			P	
7440-48-4	Cobalt	510			P	
7440-50-8	Copper	266			P	
7439-89-6	Iron	1930		E	P	J
7439-92-1	Lead	22.4			P	
7439-95-4	Magnesium	32500		E	P	J
7439-96-5	Manganese	561		E	P	J
7439-97-6	Mercury	4.9			AV	
7440-02-0	Nickel	519			P	
7440-09-7	Potassium	3150	B	E	P	J
7782-49-2	Selenium	6.5		N	P	J
7440-22-4	Silver	54.3			P	
7440-23-5	Sodium	25000		E	P	J
7440-28-0	Thallium	40.0			P	
7440-62-2	Vanadium	563			P	
7440-66-6	Zinc	527			P	
57-12-5	Cyanide	91.9			AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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JKM 22-Dec 20

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-DUP-1027 (GW58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil / water) Water Lab Sample ID: 20809192922

Level: (low / med) Date Received: 09/20/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	177	B		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	125	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	113000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	3.2	B		P	
7439-89-6	Iron	862		E	P	J
7439-92-1	Lead	3.2			P	
7439-95-4	Magnesium	32000		E	P	J
7439-96-5	Manganese	28.5		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3140	B	E	P	J
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	24500		E	P	J
7440-28-0	Thallium	2.3	B		P	
7440-62-2	Vanadium	11.5	B		P	
7440-66-6	Zinc	0.5	U		P	
57-12-5	Cyanide	1.7	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

JLM 22-DEC 20

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW59-1027

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix (soil / water) Water Lab Sample ID: 20809192923

Level (low / med) Date Received: 09/20/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	674			P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	60.3	B	E	P	J
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U	N	P	UJ
7440-70-2	Calcium	209000		E	P	J
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	1.1	B		P	
7440-50-8	Copper	4.8	B		P	
7439-89-6	Iron	2430		E	P	J
7439-92-1	Lead	3.8			P	J
7439-95-4	Magnesium	42500		E	P	J
7439-96-5	Manganese	181		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.5	B		P	
7440-09-7	Potassium	19600		E	P	J
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	95300		E	P	J
7440-28-0	Thallium	1.8	B		P	J
7440-62-2	Vanadium	9.3	B		P	
7440-66-6	Zinc	0.5	U		P	
57-12-5	Cyanide	3.9	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW58-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192925

Level: (low / med) Date Received: 09/20/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	114	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	107000			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	2.5	B		P	
7439-89-6	Iron	8.1	U		P	
7439-92-1	Lead	2.6	B		P	
7439-95-4	Magnesium	31700		E	P	J
7439-96-5	Manganese	5.3	B	*	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3210	B		P	
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	24200		*,E	P	J
7440-28-0	Thallium	2.1	B	N	P	
7440-62-2	Vanadium	9.6	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-MS-1027 GW58 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192926

Level: (low / med) Date Received: 09/20/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2090			P	
7440-36-0	Antimony	110			P	
7440-38-2	Arsenic	43.1			P	J
7440-39-3	Barium	2300			P	
7440-41-7	Beryllium	54.7			P	
7440-43-9	Cadmium	41.2			P	
7440-70-2	Calcium	114000			P	
7440-47-3	Chromium	227			P	
7440-48-4	Cobalt	541			P	
7440-50-8	Copper	280			P	
7439-89-6	Iron	1060			P	
7439-92-1	Lead	23.4			P	
7439-95-4	Magnesium	33600		E	P	J
7439-96-5	Manganese	558		*	P	J
7439-97-6	Mercury	5.3			AV	
7440-02-0	Nickel	545			P	
7440-09-7	Potassium	3410	B		P	
7782-49-2	Selenium	9.8		N	P	J
7440-22-4	Silver	56.6			P	
7440-23-5	Sodium	25600		*,E	P	J
7440-28-0	Thallium	43.8		N	P	
7440-62-2	Vanadium	589			P	
7440-66-6	Zinc	557			P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-DUP-1027 GW58 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192927

Level: (low / med) Date Received: 09/20/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	UJ
7440-39-3	Barium	70.1	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	98300			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	1.6	B		P	
7439-89-6	Iron	8.1	U		P	
7439-92-1	Lead	1.4	B		P	
7439-95-4	Magnesium	27100		E	P	J
7439-96-5	Manganese	204		*	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3770	B		P	
7782-49-2	Selenium	3.1	U	N	P	UJ
7440-22-4	Silver	0.4	U		P	
7440-23-5	Sodium	43500		*,E	P	J
7440-28-0	Thallium	1.8	U	N	P	
7440-62-2	Vanadium	8.8	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

JLM 22-Dec 200

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW59-1027 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 208091929

Matrix: (soil / water) Water Lab Sample ID: 20809192928

Level: (low / med) Date Received: 09/20/08

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.3	U		P	
7440-36-0	Antimony	1.6	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	45.4	B		P	
7440-41-7	Beryllium	0.1	U		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	208000			P	
7440-47-3	Chromium	0.2	U		P	
7440-48-4	Cobalt	0.3	U		P	
7440-50-8	Copper	3.3	B		P	
7439-89-6	Iron	8.1	U		P	
7439-92-1	Lead	1.6	B		P	
7439-95-4	Magnesium	43200		E	P	J
7439-96-5	Manganese	0.2	U	*	P	UJ
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	17800			P	
7782-49-2	Selenium	3.1	U	N	P	
7440-22-4	Silver	0.5	B		P	
7440-23-5	Sodium	95500		*,E	P	J
7440-28-0	Thallium	3.7	B	N	P	
7440-62-2	Vanadium	14.0	B		P	
7440-66-6	Zinc	0.5	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

JKM 22-Dec 2008

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	205091929	

Report to:
Client: Earth Tech
Address: 2373 Progress Drive
Hebron, KY 41048
Contact: Ron Roelker
Phone: 859-442-2300
Fax: 859-442-2311

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

P.O. Number: ~~54280~~ 105069.01
Project Name/Number: Skinner Landfill ~~2nd~~ 3rd Quarter 2008
Sampled By: Michael J. Rapp / Danielle M. Smith

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	SVOC	Pesticides	PCB's	Total Metals	Dissolved Metals (filtered)	Cyanide	VOC's
W	9/18/08	1335		X	SK-GW6R-1027	various	10	X	X	X	X	X	X	X
		1355			SK-GW7R-1027		9	X	X	X	X	X	X	X
		1310			SK-GW61-1027		10	X	X	X	X	X	X	X
		1115			SK-GW62A-1027		10	X	X	X	X	X	X	X
	9/17/08	1615			SK-GW62B-1027		5				X	X		X
	9/18/08	1015			SK-GW63-1027		10	X	X	X	X	X	X	X
		1020			SK-FD-1027(GW63)		10	X	X	X	X	X	X	X
		0945			SK-GW64-1027		10	X	X	X	X	X	X	X
	9/17/08				SK-TB-1027	HCL	3							X

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 5.1

Remarks:
Refer to table 7 of O&M LTTP for complete list of analytes

Lab ID		
		0.55
1		11
2		12
3		13
4		14
8		15
5		16
6		17
7		18
9		
10		

V BLK

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Michael J. Rapp	FedEx	9/18/08	1700
Fedex	[signature]	9.19.08	

Note:
Dissolved Metals field filtered.
Trip Blank provided by Lab.
Please provide both straight and dilution runs on analytical report.

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

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

GCAL-06 11/98

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
Earth Tech	4341	208091924 ~~109097~~	10
Client Name	Client #	Workorder #	Due Date

Report to:
Client: Earth Tech
Address: 2373 Progress Drive, Hebron, KY 41048
Contact: Ron Roelker
Phone: 859-442-2300
Fax: 859-442-2311

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

P.O. Number: ~~54280.01~~ 105069
Project Name/Number: Skinner Landfill - ~~2nd~~ 3rd Quarter 2008
Sampled By: Michael N. Rapp / Danielle M. Smith

Analytical Requests & Method

Lab use only:
Custody Seal used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 2.8

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	SVOC	Pesticides	PCBs	Total Metals	Dissolved Metals (filtered)	Cyanide	VOCs	Remarks:	Lab ID
W	9/14/08	1335		X	SK-GW58-1027	various	10	X	X	X	X	X	X	X	Refer to table 7	19 / 25
		1340		X	SK-MS-1027(GW58)		10	X	X	X	X	X	X	X	of O&M LTTP	20 / 26
		1345		X	SK-MSD-1027(GW58)		10	X	X	X	X	X	X	X	for complete list	21/22 / 27
		1445		X	SK-GW59-1027		10	X	X	X	X	X	X	X	of analytes	23 / 28
					SK-TB-1027	HCL	3	X						X		24

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Michael N. Rapp	Fed Ex	9/14/08	
Relinquished by: (Signature) Fedex	Received by: (Signature)	Date: 9.20.08	Time: 1000
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: Dissolved Metals field filtered.
Trip Blank provided by Lab.
Please provide both straight and diluted runs in analytical report.

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix: 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