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REMEDIAL ACTION QUARTERLY MONITORING REPORT

SECOND QUARTER – 2009 (24 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 second quarter of 2009, which is the 24th 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 0.07 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.

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, semi-volatiles, pesticides and PCBs were not detected in surface water above the CRQL. Of the 16 TAL parameters, one location (SWD-1) had a concentration of zinc that exceeded the trigger level, and another location (SWD-3) for bis(2-ethylhexyl)phthalate. Samples were not collected from the SWD-2 location due to lack of flow.

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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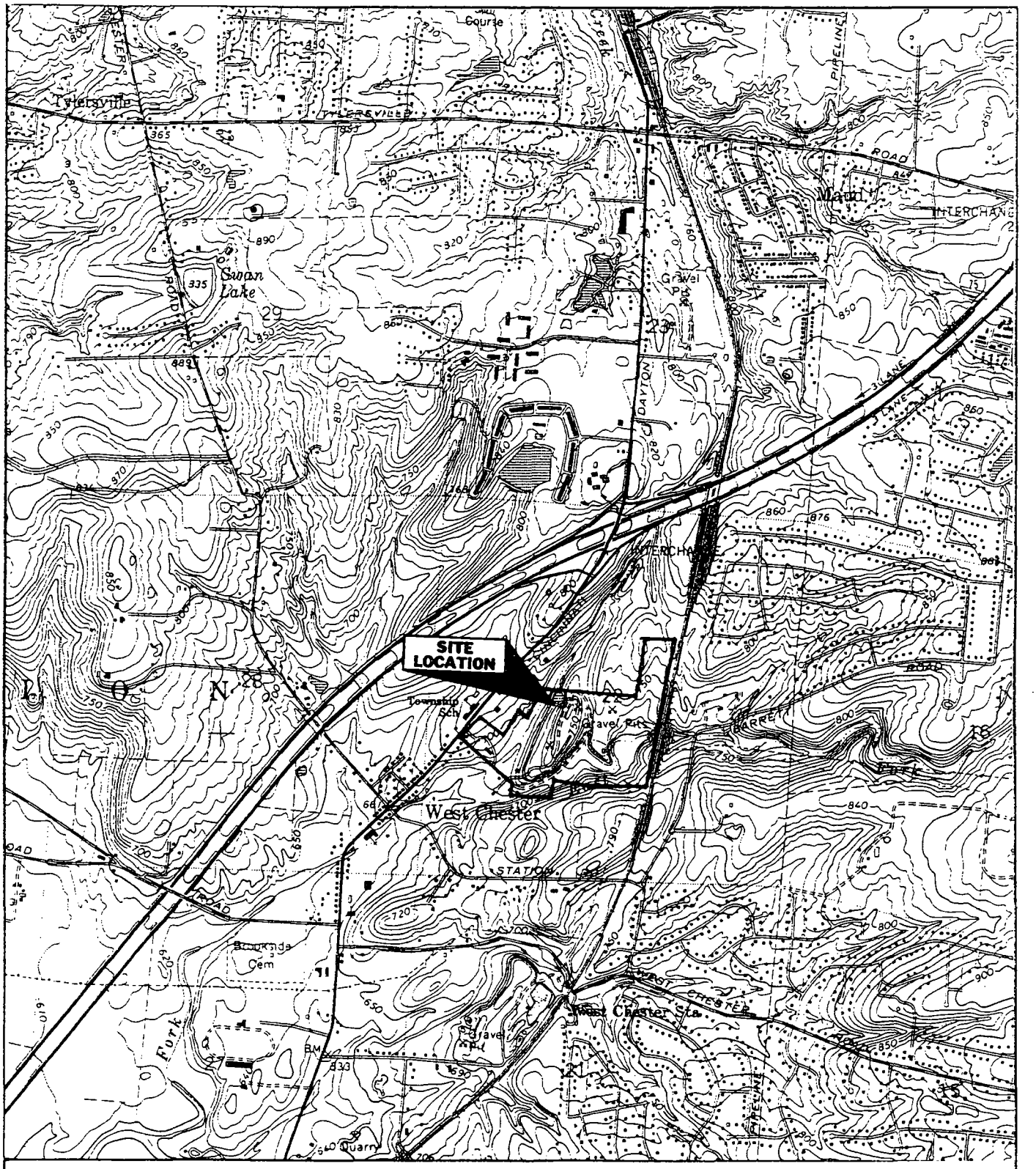

Base taken from USGS Glendale, Ohio
7.5' Topographic Quadrangle, photorevised 1987

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EARTH TECH

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SKINNER LANDFILL

SITE VICINITY MAP

BUTLER COUNTY, OHIO

TABLES

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TABLES

TABLE 1

Groundwater Elevation Summary

Skinner Landfill
West Chester, Ohio

Well Type	Location	Well Use	Ground Surface Elevation (MSL-feet)	Top of Casing Elevation (MSL-feet)	June 8, 2009 Depth to Water (feet from top of casing)	June 8, 2009 Groundwater Elevation (MSL-feet)
Piezometers	P-1	G	685.42	687.65	10.87	676.78
	P-2	G	688.54	690.42	12.58	677.84
	P-3R	G	691.83	693.69	25.47	668.22
	P-4	G	700.32	702.63	6.52	696.11
	P-5	G	708.20	710.65	13.91	696.74
	P-6	G	707.45	710.59	11.65	698.94
	P-7	G	719.08	721.83	Dry	Dry
	P-8	G	747.70	749.91	30.65	719.26
	P-9R	G	760.12	763.58	17.94	745.64
	P-10R	G	761.87	765.84	27.10	738.74
	P-11R	G	760.39	763.38	29.90	733.48
	P-12R	G	750.11	753.60	36.85	716.75
Groundwater Monitoring Wells	GW-06R	S	683.89	685.91	9.64	676.27
	GW-07R	S	683.46	683.06	6.31	676.75
	GW-24	G	693.32	695.21	19.10	676.11
	GW-26	G	696.61	698.28	29.96	668.32
	GW-30	G	675.63	677.62	10.18	667.44
	GW-58	S	684.03	686.53	13.82	672.71
	GW-59	S	684.35	687.38	6.91	680.47
	GW-60	S	689.12	692.38	13.37	679.01
	GW-61	S	687.38	690.86	13.68	677.18
	GW-62A	S	690.19	692.38	25.93	666.45
	GW-62B	S	690.57	693.13	12.33	680.80
	GW-63	S	698.87	702.50	8.38	694.12
	GW-64	S	700.45	703.88	11.84	692.04
	GW-65	S	703.83	706.88	15.21	691.67
	GW-66	G	686.82	689.41	8.12	681.29
Gas Probes	GP-6	G	772.18	774.65	15.15	759.50
	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	1st 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	1rst 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
	01-Dec-08	736.46	737.52	733.38	712.40	4th Q 2008
	18-Feb-09	745.77	738.00	731.92	715.45	1rst Q 2009
	08-Jun-09	745.64	738.74	733.48	716.75	2nd Q 2009

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
Second Quarter 2009

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
GW-06R	—	—	*Iron*	—
GW-07R	—	—	*Iron*	—
GW-58	—	—	—	—
GW-59	—	—	—	—
GW-60	—	*	—	*
GW-61	—	—	—	—
GW-62A	—	—	—	—
GW-62B	—	*	*Iron, Zinc*	*
GW-63	—	—	—	—
GW-64	—	—	—	—
GW-65	—	*	—	*
GW-24 (Perimeter Well)	Not Sampled (Annual)			
GW-26 (Perimeter Well)	Not Sampled (Annual)			
GW-30 (Perimeter Well)	Not Sampled (Annual)			

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
Second Quarter 2009

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
SW-50	—	—	—	—
SW-51	—	—	—	—
SW-52	—	—	—	—
SWD-1	—	—	*Zinc*	—
SWD-2	*	*	*	*
SWD-3	—	*bis(2-ethylhexyl)phthalate*	—	—

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

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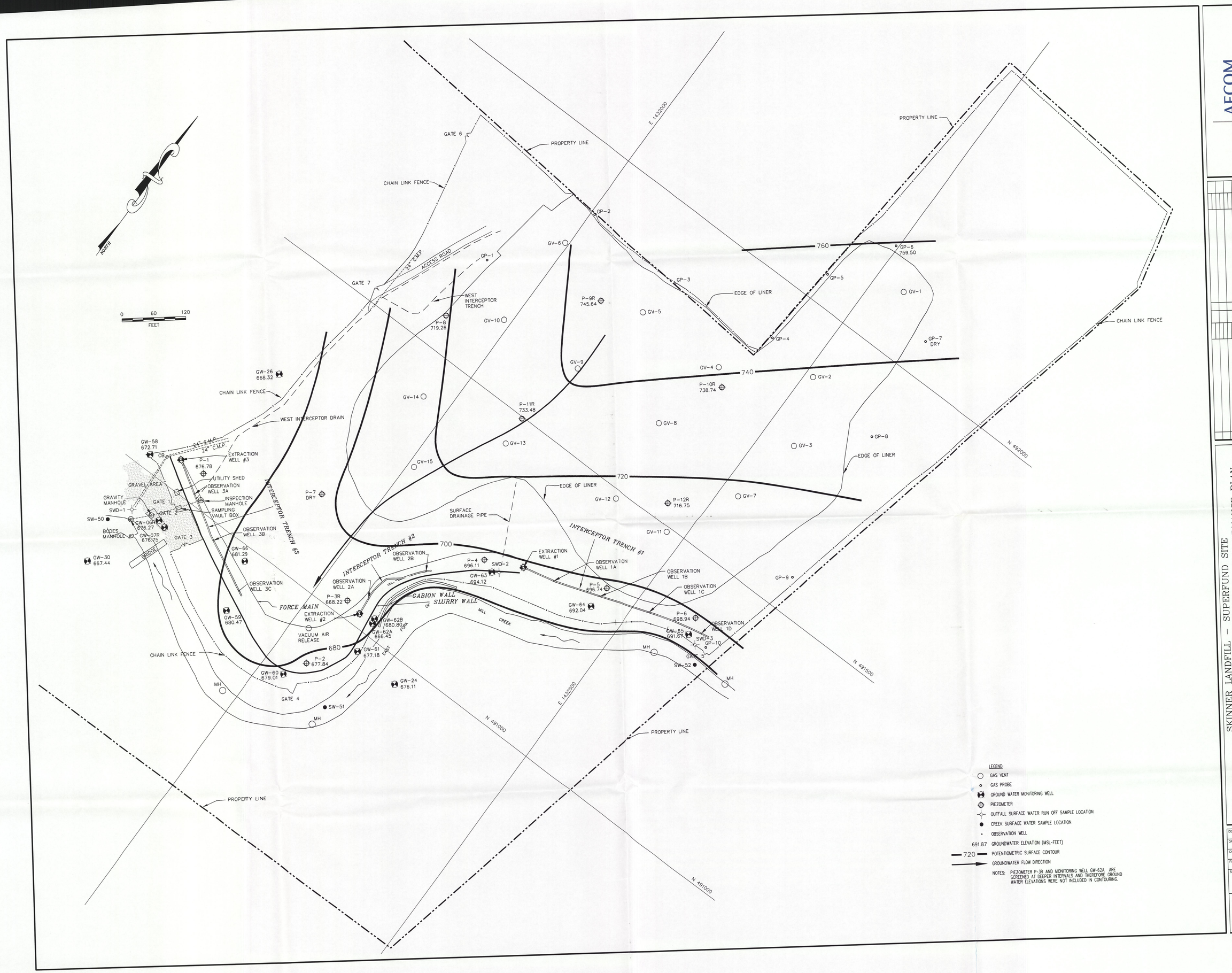
APPENDIX A



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NO.	REVISIONS	BY	DATE	NO.	REVISIONS	BY	DATE

REVISED IN ACCORDANCE WITH CONSTRUCTION RECORDS

SKINNER LANDFILL – SUPERFUND SITE
OPERATIONS AND MAINTENANCE – LONG TERM PERFORMANCE PLAN
WEST CHESTER, BUTLER COUNTY, OHIO
POTENTIOMETRIC CONTOUR MAP – JUNE 8, 2009

DESIGNED BY NW	DATE AUG. 2009
DRAWN BY NW	DATE AUG. 2009
CHECKED BY	DATE
FILE P0T0609	EDIT NLW080509
SCALE 1"=60'	
DRAWING 1:60	
PLOT	
PROJECT 111005	

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SHEET NO.

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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)											
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved)[14]												
Aluminum	29.1	14.4 U	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U	15.3 U	26.9 U	26.9 U		200
Antimony	4.1	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	60	60
Arsenic	5.3	4.0 B	4.0 U	2.4 U	2.4 U	2.5 U	2.5 UJ	2.7 B	3.6 U	3.6 U	20	10
Barium	**214**	**266**	**219** J	144 B	199 B	**211** J	168 B	195 B	146 B	199 B	1,000	200
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	5	5
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.6 B	5	5
Calcium	200,000	182,000	166,000	214,000	199,000	180,000 J	229,000	164,000 J	223,000	215,000		5,000
Chromium	3.9	1.5 B	1.8 B	2.1 B	0.30 U	2.1 B	0.20 U	0.20 U	2.7 B	1.1 B	11	10
Cobalt	0.4	0.20 U	0.40 B	3.90 B	0.20 U	0.50 B	1.4 B	0.30 U	0.5 U	1.3 B		50
Copper	0.7	3.2 B	2.1 B	4.6 B	2.3 B	3.0 B	1.2 B	0.60 U	5.3 B	6.0 B	25	25
Iron	**658**	**228**	**358**	**139**	69.6 B	**586**	60.0 B	8.1 U	24.8 B	**361**	7,000	100
Lead	2.1 UJ	0.80 U	0.90 B	0.80 U	1.0 B	2.4 B	1.2 B	1.2 U	1.6 UJ	1.6 U	4.2	3
Magnesium	34,700	32,500	29,100	35,500	35,800	34,200 J	43,600 J	29,500 J	39,700	38,000		5,000
Manganese	144	175	262	364	6.5 B	132.0	451 J	226	19.0	64.9		15
Mercury	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.2	0.2
Nickel	0.80	0.80 B	0.60 B	2.2 B	0.40 U	0.40 U	0.40 B	0.40 U	0.4 U	1.1 B	96	40
Potassium	2,250 J	2,400 B	2,520 B	2,710 J	2,180 B	2,460 B	5,400	2,420 J	2370 B	2330 B		5,000
Selenium	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 UJ	3.1 UJ	4.3 J	3.3 U	8.5	5
Silver	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.3 B	0.5 U	10	10
Sodium	23,700	17,000 J	17,800	22,400	19,400	17,300 J	29,900 J	16,000 J	20300	20800		5,000
Thallium	3.1	2.8 B	2.9 B	1.7 U	4.7 B	1.8 U	1.9 B	1.8 U	1.5 R	2.1 J	40	10
Vanadium	9.4	12.0 B	7.6 B	11.0 J	1.0 U	10.4 B	12.0 B	3.2 B	1.0 U	4.1 B		50
Zinc	1.1	12.3 B	10.8 B	7.5 J	9.0 B	15.2 B	0.50 U	0.50 UJ	4.3 U	4.9 B	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	20,100 J	3,790 J	3,720 J	2,670	141 J	457	1,190	11,500 J	178 J	161 B		
Antimony	4.1	2.4 UJ	2.4 U	2.4 UJ	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U		
Arsenic	5.3	7.5 B	2.5 U	2.4 U	2.4 UJ	2.5 UJ	6.8 B	11.1	3.6 U	3.6 U		
Barium	526	352	283 J	183 B	195 B	214 J	251 J	313 J	144 J	197 B		
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U		
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.6 B		
Calcium	456,000	218,000	210,000	240,000	197,000	173,000 J	235,000 J	303,000 J	235000	201000		
Chromium	45.1	9.6 J	8.5 B	7.9 J	0.60 B	3.1 B	0.20 U	15.9	2.9 B	1.7 B		
Cobalt	24.0	4.5 B	3.7 B	5.0 B	0.30 B	0.90 B	3.0 B	11.5 B	0.5 U	0.9 B		
Copper	93.7 J	15.4 J	14.4 B	0.70 J	5.40 B	5.3 B	6.0 B	23.7 B	6.7 B	6.2 B		
Cyanide	0.90	0.60 U	3.5 B	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.2 U	0.2 U	10	10
Iron	*45,700*	*9,620*	*9,420 J*	*8,000*	*523*	*2,090*	*4,050 J*	*25,500*	*465*	*412 J*		
Lead	65.4 J	12.1 J	12.3	5.9 J	0.80 UJ	3.4	4.8	21.1	1.6 UJ	1.6 U		
Magnesium	136,000	46,300	48,200	50,100	35,600	34,300 J	475,000 J	88,000 J	41500	36500		
Manganese	3,490	421	482 J	410	19.3	106.0	535 J	748	21.7	40.1 J		
Mercury	0.10	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U		
Nickel	42.3	9.0 B	8.4 B	7.1 J	0.40 U	0.40 B	1.9 B	21.8 B	0.4 U	0.6 B		
Potassium	5,890 J	3,360 J	3,270 J	3,240 B	2,220 J	2480.0 B	3,010 J	4,840 J	2390 J	2130 B		
Selenium	4.5 UJ	3.9 UJ	3.9 R	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 U	3.3 R	3.3 U		
Silver	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.5 B	0.5 U		
Sodium	26,400	18,000	18,300 J	22,400	18,700	17,000 J	18,000 J	16,400 J	23800	19300		
Thallium	3.1	1.8 B	2.1 B	1.7 U	2.2 B	1.8 U	1.8 U	1.8 U	1.5 UJ	2.7 J		
Vanadium	84.8	21.1 J	20.4 B	17.1 J	1.0 U	12.4 B	14.5 B	31.7 B	1.0 U	4.7 B		
Zinc	200.0 J	47.4	40.8	25.6 J	11.5 J	20.7	4.8 B	67.7 J	4.3 U	4.3 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-07R

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]			Insufficient Volume					Insufficient Volume				
Aluminum	51.1	15.4 U	—	15.4 U	16.4 B	15.3 U	15.3 U	—	26.9 U	26.9 U		**200**
Antimony	4.1	2.4 U	—	2.4 U	2.4 U	1.6 U	1.6 U	—	4.8 U	4.8 U	**60**	**60**
Arsenic	5.3	2.4 U	—	2.4 U	2.9 B	2.5 U	2.5 U	—	3.6 U	3.6 U	**20**	**10**
Barium	90.0	92.6 B	—	62.8 B	93.2 B	88.0 J	59.3 B	—	41.8 B	54.6 B	**1,000**	**200**
Beryllium	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 U	—	2.3 U	2.3 U	**5**	**5**
Cadmium	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 U	—	0.2 U	0.2 U	**5**	**5**
Calcium	203,000	206,000	—	207,000	165,000	175,000 J	270,000	—	191000	245000		**5,000**
Chromium	4.4	1.4 B	—	1.9 B	0.3 U	2.0 B	0.2 U	—	2.5 B	0.4 U	**11**	**10**
Cobalt	1.6	0.20 U	—	1.8 B	0.2 U	0.3 U	1.9 B	—	0.7 B	4.0 B		**50**
Copper	0.70	3.4 B	—	4.1 B	1.8 B	3.6 B	0.6 U	—	4.9 B	5.5 B	**25**	**25**
Iron	**2870**	44.2 B	—	**231**	8.5 U	8.1 U	**419**	—	**244**	**562**	**7,000**	**100**
Lead	2.1 UJ	0.80 U	—	0.80 U	2.6 B	2.9 B	1.2 U	—	1.6 UJ	2.8 B	**4.2**	**3**
Magnesium	31,600	33,200	—	29,600	25,900	30,200 J	45,600 J	—	32500	42100		**5,000**
Manganese	1,240	646	—	271	164	0.3 B	2,780 J	—	251	2340		**15**
Mercury	0.10	0.10 U	—	0.10 U	0.10 U	0.10 UJ	0.10 U	—	0.1 U	0.1 U	**0.2**	**0.2**
Nickel	0.80	1.9 B	—	1.0 B	0.40 U	0.4 U	0.90 B	—	0.4 U	3.1 B	**96**	**40**
Potassium	1,860 J	2,290 B	—	1,590 J	2,250 B	1,620 B	2,660 B	—	1720 B	1830 B		**5,000**
Selenium	4.5 UJ	3.9 U	—	3.9 R	3.9 U	3.1 U	3.1 U	—	3.3 UJ	3.3 UJ	**8.5**	**5**
Silver	2.1	0.30 U	—	0.30 U	0.30 U	0.4 U	0.50 B	—	1.4 B	0.5 U	**10**	**10**
Sodium	25,200	23,000 J	—	18,600	15,500	13,500 J	2,300 J	—	14300	18800		**5,000**
Thallium	3.1	5.0 B	—	1.7 U	6.5 B	1.8 U	1.8 U	—	1.5 R	1.5 U	**40**	**10**
Vanadium	8.3	13.2 B	—	9.3 J	1.0 U	9.8 B	12.8 B	—	1.0 U	7.6 B		**50**
Zinc	1.1	10.0 B	—	10.9 J	11.3 B	17.1 B	1.1 B	—	4.3 U	4.3 U	**86**	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	1,270 J	4,680 J	—	4,210	115 J	77.7 B	1,220	—	263 J	76.5 B		
Antimony	4.1	2.4 UJ	—	2.4 UJ	2.4 U	1.6 U	1.6 U	—	4.8 U	4.8 U		
Arsenic	5.3	10.5	—	3.0 B	2.4 UJ	2.5 UJ	2.5 U	—	3.6 U	3.6 U		
Barium	131	292	—	178 B	104 B	95.0 J	115.0 J	—	57.9 J	56.7 B		
Beryllium	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 U	—	2.3 U	2.3 U		
Cadmium	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 UJ	—	0.2 U	0.2 U		
Calcium	214,000	232,000	—	229,000	152,000	177,000 J	304,000 J	—	200000	240000		
Chromium	7.0	9.4 J	—	9.0 J	0.6 B	2.2 B	0.20 U	—	2.4 B	0.4 U		
Cobalt	2.5	4.4 B	—	6.2 B	0.2 U	0.3 U	2.9 B	—	0.6 B	3.6 B		
Copper	23.2 J	14.2 J	—	0.70 U	7.0 B	5.7 B	0.60 U	—	7.2 B	6.3 B		
Cyanide	1.6	0.60 U	—	0.60 U	0.60 U	0.6 U	2.7 B	—	0.2 U	0.2 U	**10.0**	**10.0**
Iron	7,280	13,700	—	8,420	273	151	4740.0 J	—	434	1090 J		
Lead	2.1 UJ	8.9 J	—	7.0 J	0.80 U	3.3	3.1	—	1.6 UJ	2.8 B		
Magnesium	34,600	44,800	—	38,700	23,800	30,400 J	53,500 J	—	34000.0	41100		
Manganese	1,320	1,280	—	477	84.5	21.5	2,830 J	—	75.3	2280 J		
Mercury	0.10	0.10 UJ	—	0.10 U	0.10 U	0.10 U	0.10 U	—	0.1 U	0.1 U		
Nickel	2.1	10.4 B	—	8.7 J	0.40 U	0.40 U	4.3 B	—	0.4 U	2.8 B		
Potassium	2,250 J	3,320 J	—	2,550 B	3,040 J	1,890 B	3,190 J	—	1740 J	1770 B		
Selenium	4.5 UJ	3.9 UJ	—	3.9 UJ	3.9 U	3.1 U	3.1 UJ	—	3.3 R	3.3 U		
Silver	2.1	0.30 U	—	0.30 U	0.30 U	0.40 UJ	0.40 U	—	1.1 B	0.5 U		
Sodium	25,400	23,300	—	18,900	16,300	13,700 J	24,800 J	—	14600	18100		
Thallium	3.1	5.1 B	—	1.7 U	2.5 B	2.0 B	1.8 U	—	1.5 UJ	1.5 U		
Vanadium	11.8	22.4 J	—	17.6 J	1.0 U	11.6 B	13.8 B	—	1.0 U	9.0 B		
Zinc	16.3 J	46.7	—	32.5 J	21.3 J	18.9 B	4.2 B	—	4.3 U	4.3 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		
Pesticides / PCBs	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
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	29.1	31.1 B	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U	15.3 U	26.9 U	26.9 U		200
Antimony	6.2	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	60	60
Arsenic	5.3	2.4 U	2.4 UJ	2.4 U	2.4 U	2.5 U	2.5 UJ	5.6 B	3.6 U	3.6 U	20	10
Barium	**354**	124 B	106 J	125 B	117 B	129 J	114 B	122 B	113 B	121 B	1,000	200
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	5	5
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.8 B	5	5
Calcium	67,900	112,000	99,100	109,000	97,800	107,000 J	107,000	105,000 J	101000	101000		5,000
Chromium	3.6	1.9 B	2.2 B	2.4 B	0.50 B	1.9 B	0.20 U	0.20 U	2.0 B	0.7 B	11	10
Cobalt	0.40	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.5 U	0.5 B		50
Copper	0.70	3.4 B	3.4 B	4.8 B	3.7 B	2.4 B	2.5 B	0.60 U	4.3 B	5.0 B	25	25
Iron	**306**	45.1 B	8.5 U	9.4 B	8.5 U	8.1 U	8.1 U	8.1 U	5.3 U	5.7 B	7,000	100
Lead	2.1 UJ	0.80 U	1.5 B	0.8 U	0.80 U	1.2 U	2.6 B	1.2 U	1.6 UJ	1.6 U	4.2	3
Magnesium	31,700	31,600	30,100	32,700	28,700	33,100 J	31,700 J	31,600 J	29600	30000		5,000
Manganese	27.5	5.9 B	13.2 B	9.5 B	0.30 U	4.4 B	5.3 J	34.8	0.5 U	0.5 U		15
Mercury	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.2	0.2
Nickel	0.80	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	0.4 U	96	40
Potassium	15,400 J	3,320 B	4,180 J	4,370 J	3,020 B	3,660 B	3,210 B	3,800 J	3270 B	3380 B		5,000
Selenium	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 UJ	3.1 UJ	3.3 U	3.3 U	8.5	5
Silver	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	0.5 U	0.5 U	10	10
Sodium	152,000	25,400 J	29,800	29,900	22,100	27,500 J	24,200 J	28,200 J	23000	26800		5,000
Thallium	3.1	8.7 B	4.1 UJ	1.7 U	5.6 B	1.8 U	2.1 B	1.8 U	1.5 R	4.5 J	40	10
Vanadium	9.3	12.1 B	5.4 B	9.3 J	1.0 U	9.8 B	9.6 B	3.2 B	1.0 U	4.1 B		50
Zinc	1.1	**23.4**	6.8 B	**36.7** J	9.3 B	9.2 B	0.50 U	0.50 UJ	4.3 U	14.6 B	86	20
Inorganics - Metals and Cyanide												
Aluminum	7,290 J	27,700 J	3,340 J	37,200	2,230 J	475	1188 B	1,390 J	284 J	265		
Antimony	4.1	8.2 J	2.4 U	11.7 J	60.0 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U		
Arsenic	5.3	53.1	2.4 U	22.1	10.0 UJ	2.5 UJ	2.5 U	5.3 B	4.0 J	3.6 U		
Barium	222	465	145 B	528	148 B	120 J	133 J	135 J	122 J	133 B		
Beryllium	0.1	0.10 U	0.10 U	0.10 U	0.10 B	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U		
Cadmium	0.1	0.10 U	0.10 U	0.10 U	5.00 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	1.0 B		
Calcium	203,000	382,000	123,000	474,000	120,000	95,600 J	124,000 J	114,000 J	109000	110000		
Chromium	23.0	63.4 J	8.5 B	77.2 J	5.0 B	2.9 B	0.20 U	0.90 B	2.3 B	2.0 B		
Cobalt	6.3	32.5 B	2.8 B	40.3 B	1.9 B	0.30 U	0.30 U	0.30 U	0.5 U	0.5 B		
Copper	52.5 J	67.6 J	5.4 B	76.7 J	6.9 B	4.6 B	3.6 B	0.60 U	6.2 B	5.6 B		
Cyanide	0.60	1.3 B	0.60 U	0.60 U	10.0 U	0.60 U	1.3 B	0.90 B	0.2 U	0.2 U	10	10
Iron	18,600	78,000	7,410	104,000	5,710	1,260	859 J	2,890	769	615 J		
Lead	9.1	44.3 J	3.0 J	52.7 J	1.1 J	1.2 U	4.2	3.0 UJ	1.6 UJ	1.6 U		
Magnesium	54,200	93,400	36,200	112,000	34,000	30,000 J	35,100 J	33,000 J	31500	32100		
Manganese	656	2,510	232	3,240	147	45.4	30.2 J	92.0	24.2	16.1 J		
Mercury	0.10	0.10 UJ	0.10 U	0.10	0.20 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U		
Nickel	14.5	76.5	6.1 B	97.4 J	4.4 B	0.80 B	0.40 U	1.3 B	0.4 U	1.0 B		
Potassium	6,910 J	8,340 J	4,770 J	11,800	3,920 J	3,430 B	3,450 J	3,750 J	3340 J	3480 B		
Selenium	4.5 UJ	3.9 UJ	3.9 UJ	3.9 UJ	5.0 U	31.0 U	3.1 UJ	3.1 U	3.3 R	3.3 U		
Silver	2.1	0.30 U	0.30 U	0.30	10.0 U	0.40 UJ	0.40 U	0.40 U	0.5 B	0.5 U		
Sodium	35,500	25,200	26,900	31,700	22,700	25,200 J	27,000 J	23,800 J	23400	27900		
Thallium	3.1	4.6 B	1.7 U	1.7 U	5.2 B	1.8 U	1.8 U	1.8 U	1.5 UJ	6.4 J		
Vanadium	26.7	72.8 J	14.4 B	89.7 J	2.3 B	10.1 B	12.3 B	5.0 B	1.0 U	4.0 B		
Zinc	231 J	240	23.9	274.0 J	27.4 J	15.1 B	0.50 U	0.50 UJ	4.3 U	4.3 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
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	29.1	59.3 U	15.4 U	15.4 U	808.0	15.3 U	15.3 U	15.3 U	29.9 B	26.9 U		200
Antimony	4.1	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	60	60
Arsenic	5.3	4.4 B	2.4 U	2.4 U	2.4 U	2.5 U	2.5 U	4.6 J	3.6 U	3.6 U	20	10
Barium	42.6	36.6 B	39.0 J	38.4 B	40.4 B	43.5 J	45.400 B	38.3 B	46.6 B	35.0 B	1,000	200
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	5	5
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.2 U	5	5
Calcium	183,000	179,000	187,000	182,000	153,000	155,000 J	208,000 U	189,000 J	191000	180000		5,000
Chromium	4.3	2.3 B	2.7 B	3.0 B	0.50 B	1.8 B	0.20 U	0.20 U	3.3 B	0.4 U	11	10
Cobalt	0.40	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.5 U	0.5 U		50
Copper	0.70	3.7 B	3.6 B	5.5 B	4.2 B	2.9 B	3.3 B	0.60 U	5.4 B	5.9 B	25	25
Iron	8.1	**137**	8.5 U	16.6 B	17.9 B	8.1 U	8.1 U	53.0 B	5.3 U	5.3 U	7,000	100
Lead	2.1 UJ	0.80 U	0.80 U	0.80 U	0.80 U	1.7 B	1.6 B	1.2 U	1.6 UJ	1.6 U	4.2	3
Magnesium	32,500	37,800	40,000	35,800	28,000	25,200 J	43200 J	43,100 J	37400	29800		5,000
Manganese	4.0	14.5 B	34.8	4.6 B	0.30 U	0.20 U	0.20 UJ	0.20 U	0.5 U	0.5 U		15
Mercury	0.10	0.10 B	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.2	0.2
Nickel	0.80	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	0.4 U	96	40
Potassium	16,200 J	14,500	15,500 J	17,900 J	13,000	11,100	17,800	12,200 J	16700	19700		5,000
Selenium	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 U	3.1 UJ	3.7 J	3.3 UJ	8.5	5
Silver	2.1	0.30 U	0.30 U	0.40 B	0.30 U	0.40 U	0.50 B	0.40 U	0.9 B	0.5 U	10	10
Sodium	74,700	88,000 J	97,800 J	94,000	60,800	41,800 J	95,500 J	90,500 J	83100	60700		5,000
Thallium	3.1	2.6 B	1.7 U	1.7 U	5.0 B	2.1 B	3.7 B	1.8 U	1.5 R	1.5 U	40	10
Vanadium	7.8	12.9 B	8.6 B	9.6 J	1.0 U	7.4 B	14.0 B	3.2 B	1.0 U	4.9 B		50
Zinc	1.1	9.5 B	11.6 B	37.5 J	**21.7**	12.3 B	0.50 U	0.50 UJ	4.3 U	7.3 B	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	2,120 J	7,750 J	1,900 J	17,100	718 J	451	674	578 J	251 J	35.1 B		
Antimony	4.1	2.4 UJ	2.4 U	3.0 J	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U		
Arsenic	5.3	19.0	2.4 U	18.2	2.4 UJ	2.5 UJ	2.5 U	6.7 B	5.3 J	3.6 U		
Barium	65.9	253.0	58.8 J	467	43.9 B	46.8 B	60.3 J	53.9 J	50.0 J	35.7 B		
Beryllium	0.1	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U		
Cadmium	0.1	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.2 U		
Calcium	193,000	226,000	195,000	291,000	111,000	136,000 J	209,000 J	207,000 J	203000	187000		
Chromium	10.2	34.7 J	6.9 B	71.0 J	1.9 B	2.7 B	0.20 U	0.20 B	2.7 B	0.4 U		
Cobalt	1.8	12.9 B	1.1 B	24.7	0.90 B	0.50 B	1.1 B	0.30 U	0.5 U	0.5 U		
Copper	4.6 J	18.6 J	7.4 B	26.3 J	12.2 B	4.8 B	4.8 B	0.60 U	7.3 B	8.2 B		
Cyanide	0.60	0.60 U	3.1 B	0.60 U	0.60 U	0.60 U	3.9 B	0.60 U	0.2 U	0.2 U	10	10
Iron	6,840	24,000	5,630 J	52,600	2,160	1,440	2,430 J	1,620	671	20.2 J		
Lead	2.1 UJ	15.4 J	4.8	28.1 J	1.6 J	3.8	3.8 J	3.0 UJ	1.6 UJ	1.6 U		
Magnesium	34,600	47,000	41,000	61,900	18,300	21,800 J	425,000 J	45,200 J	36900	31300		
Manganese	260	1,630	197 J	2,970	61.6	47.7	181 J	94.8	30.5	0.9 J		
Mercury	0.1	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U		
Nickel	5.2	37.1 B	5.0 B	74.6 J	1.4 B	1.2 B	1.5 B	0.90 B	0.4 U	0.4 U		
Potassium	15,200 J	18,800 J	15,700 J	20,400	8,460 J	10,100	19,600 J	12,900 J	18200.0 J	21200		
Selenium	4.5	3.9 UJ	3.9 R	3.9 UJ	3.9 U	3.1 U	3.1 UJ	3.1 U	3.3 R	3.3 UJ		
Silver	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.0 B	0.5 U		
Sodium	76,400	86,500	96,100 J	95,600	28,600	36,800 J	95,300 J	93,600 J	77900	61800		
Thallium	3.1	6.1 B	2.5 B	1.7 U	4.3 B	1.8 U	1.8 J	1.8 U	1.5 UJ	1.5 U		
Vanadium	12.3	27.6 J	12.1 B	47.0 J	1.0 U	7.2 B	9.3 B	5.5 B	1.0 U	7.3 B		
Zinc	18.7 J	86.7	32.8	135 J	26.2 J	17.0 B	0.50 U	0.50 UJ	4.3 U	5.9 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-60

Compound	Quarterly Sampling Results (All Results Expressed in Units of mg/l)										TRIGGER LEVEL	CRQL
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]		Insufficient Volume	Insufficient Volume				Insufficient Volume	Insufficient Volume				
Aluminum	29.1	—	—	15.4 U	15.4 U	15.3 U	—	—	28.6 B	26.9 U		**200**
Antimony	4.1	—	—	2.4 U	2.4 U	1.6 U	—	—	4.8 U	4.8 U	60	**60**
Arsenic	5.3	—	—	2.4 U	2.4 U	2.5 U	—	—	3.6 U	3.6 U	20	**10**
Barium	57.8	—	—	57.3 B	64.1 B	87.4 J	—	—	59.9 B	90.5 B	1,000	**200**
Beryllium	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	2.3 U	2.3 U	5	**5**
Cadmium	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	0.2 U	0.2 U	5	**5**
Calcium	276,000	—	—	204,000	160,000	124,000 J	—	—	153000	259000		**5,000**
Chromium	5.9	—	—	2.5 B	1.2 B	1.4 B	—	—	2.7 B	0.8 B	11	**10**
Cobalt	0.40	—	—	0.20 U	0.20 U	0.30 U	—	—	0.5 U	0.5 U		**50**
Copper	0.70	—	—	5.60 B	3.80 B	3.6 B	—	—	5.7 B	8.9 B	25	**25**
Iron	10.5	—	—	23.7 B	8.5 U	8.1 U	—	—	5.3 U	13.2 B	7,000	**100**
Lead	2.1 UJ	—	—	0.80 U	0.80 U	2.9 B	—	—	1.6 UJ	2.2 B	4.2	**3**
Magnesium	81,200	—	—	28,100	23,800	16,100 J	—	—	35500	68900		**5,000**
Manganese	0.2	—	—	3.7 B	0.30 U	0.20 U	—	—	0.5 U	0.5 U		**15**
Mercury	0.10	—	—	0.10 U	0.10 U	0.10 UJ	—	—	0.1 U	0.1 U	0.2	**0.2**
Nickel	0.80	—	—	0.40 U	0.40 U	0.40 U	—	—	0.4 U	0.4 U	96	**40**
Potassium	5,400 J	—	—	7,430 J	6,650	9,980	—	—	6120	7220		**5,000**
Selenium	4.5 UJ	—	—	3.9 R	3.9 U	3.2 B	—	—	3.3 UJ	3.3 UJ	8.5	**5**
Silver	2.1	—	—	0.30 U	0.30 U	0.40 U	—	—	1.2 B	0.5 U	10	**10**
Sodium	22,800	—	—	20,100	15,100	7,300 J	—	—	11900	20100		**5,000**
Thallium	3.1	—	—	1.7 U	4.3 B	1.8 U	—	—	1.5 R	1.5 U	40	**10**
Vanadium	16.3	—	—	9.1 J	1.6 B	4.3 B	—	—	1.0 U	10.5 B		**50**
Zinc	1.1	—	—	10.4 J	9.1 B	10.1 B	—	—	4.3 U	10.8 B	86	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	9,480 J	—	—	2,590	110 J	127 B	—	—	355 J	9420		
Antimony	4.1	—	—	2.4 UJ	2.4 U	1.6 U	—	—	4.8 U	4.8 U		
Arsenic	5.3	—	—	2.4 U	2.4 UJ	2.5 U	—	—	3.6 U	3.6 U		
Barium	95.9	—	—	77.8 B	68.6 B	88.4 J	—	—	66.7 J	123 B		
Beryllium	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	2.3 U	2.3 U		
Cadmium	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	0.2 U	0.2 B		
Calcium	319,000	—	—	207,000	144,000	122,000 J	—	—	168000	244000		
Chromium	22.1	—	—	6.6 J	1.9 B	1.8 B	—	—	2.9 B	19.8		
Cobalt	9.5	—	—	2.4 B	0.20 U	0.30 U	—	—	0.5 U	8.2 B		
Copper	35.7 J	—	—	0.70 U	9.10 B	5.3 B	—	—	8.1 B	20.1 B		
Cyanide	3.8	—	—	0.60 U	0.60 U	0.60 U	—	—	**218**	0.2 U	10	**10**
Iron	21,800	—	—	6,070	285	307	—	—	816	21800 J		
Lead	11.7 J	—	—	3.6 J	0.80 UJ	1.5 B	—	—	1.6 UJ	10.9		
Magnesium	88,100	—	—	29,500	21,500	16,400 J	—	—	37400	65800		
Manganese	628	—	—	187	6.6 B	15.5	—	—	25.0	726 J		
Mercury	0.10	—	—	0.10 U	0.10 U	0.10 UJ	—	—	0.1 U	0.1 U		
Nickel	17.9	—	—	4.2 J	0.40 U	0.40 U	—	—	0.4 U	18.3 B		
Potassium	7,660 J	—	—	8,170	7,430 J	9,910	—	—	6760 J	8030		
Selenium	4.5 UJ	—	—	3.9 UJ	3.9 U	3.6 B	—	—	3.3 R	3.3 UJ		
Silver	2.1	—	—	0.30 U	0.30 U	0.40 U	—	—	0.6 B	0.5 U		
Sodium	24,000	—	—	19,700	13,200	7,450 J	—	—	12700	17500		
Thallium	3.1	—	—	1.7 U	2.7 B	1.8 U	—	—	1.5 UJ	1.5 U		
Vanadium	34	—	—	11.3 J	1.0 U	4.6 B	—	—	1.0 U	29.1 B		
Zinc	63.7 J	—	—	18.5 J	15.4 J	12.6 B	—	—	4.3 U	63.9		
Volatile Organic Compounds (VOCs)	BRL	BRL	—	BRL	BRL	BRL	—	—	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	—	BRL	BRL	BRL	—	—	—	—		
Pesticides / PCBs	BRL	—	—	BRL	BRL	BRL	—	—	—	BRL		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) 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
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	29.1	15.4 U	15.4 U	15.4 U	15.4 U	266	15.3 U	32.4 B	26.9 U	26.9 U		200
Antimony	4.1	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	60	60
Arsenic	5.3	4.4 B	2.4 U	2.4 U	3.6 B	2.5 U	2.5 UJ	2.5 U	3.6 U	3.6 U	20	10
Barium	36.4	31.7 B	38.2 J	35.0 B	24.4 B	25.6 J	63.3 B	28.7 B	19.1 B	21.2 B	1,000	200
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	5	5
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.2 B	5	5
Calcium	282,000	245,000	241,000	419,000	362,000	252,000 J	222,000	322,000 J	469000	471000		5,000
Chromium	6.1	2.5 B	3.1 B	4.4 B	0.3 B	3.4 B	0.20 U	0.2 U	4.9 B	0.8 B	11	10
Cobalt	1.2	0.20 U	0.20 U	2.10 B	0.40 B	1.2 B	0.30 U	1.5 B	1.1 B	1.2 B		50
Copper	0.70	4.2 U	4.6 B	7.1 B	4.2 B	4.6 B	2.4 B	0.60 U	6.9 B	9.9 B	25	25
Iron	**299**	18.6 B	14.5 B	**4,390**	20.9 B	**1,660**	31.2 B	**713**	**645**	17.9 B	5,000	100
Lead	2.1 UJ	0.80 U	0.80 U	0.80 U	2.10 B	**3.3**	2.0 B	1.2 U	1.6 UJ	2.1 B	4.2	3
Magnesium	60,300	50,000	47,900	75,800	77,600	51,400 J	54,800 J	74,400 J	93200	101000		5,000
Manganese	385	103	179	714	118	291	227 J	881	433	328		15
Mercury	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.2	0.2
Nickel	2.4	3.3 B	4.2 B	9.5 B	3.4 B	3.6 B	1.2 B	4.3 B	4.6 B	7.3 B	96	40
Potassium	7,330 J	7,180	8,010 J	14,000 J	13,300	8,870	9,240	10,700 J	14500	16600		5,000
Selenium	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 UJ	3.1 UJ	3.3 U	3.3 UJ	8.5	5
Silver	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.70 B	2.1 B	0.5 U	10	10
Sodium	57,500	38,400 J	47,800 J	68,100	53,700	49,500 J	78,000 J	98,200 J	66100	74300		5,000
Thallium	3.1	3.3 B	1.7 U	4.6 B	6.6 B	1.8 U	2.7 B	1.8 U	1.5 R	1.5 U	40	10
Vanadium	13.2	16.5 B	9.3 B	16.8 J	1.2 B	13.5 B	12.1 B	5.4 B	1.0 U	12.5 B		50
Zinc	1.1	**28.5**	15.7 B	14.7 J	16.8 B	**21.5**	0.50 U	0.50 UJ	4.3 U	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	12,200 J	919 J	130 J	1,780	23.6 J	15.3 U	15.3 U	225 J	32.2 J	131.0 B		
Antimony	4.1	2.4 UJ	2.4 U	2.4 UJ	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U		
Arsenic	5.3	2.5 B	2.4 U	2.4 U	2.4 UJ	2.5 U	2.5 U	2.5 U	3.6 U	3.6 U		
Barium	173.0	39.8 B	38.1 J	45.9 B	23.3 B	24.4 J	34.6 J	37.2 J	17.5 J	20.1 B		
Beryllium	0.1	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U		
Cadmium	0.1	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.2 U		
Calcium	450,000	259,000	241,000	42,900	380,000	292,000 J	334,000 J	312,000 J	457000	443000.0		
Chromium	30.4	5.7 J	3.4 B	8.5 J	0.3 B	3.9 B	0.20 U	0.20 U	4.7 B	1.1 B		
Cobalt	10.9	1.0 B	0.6 B	2.5 B	0.3 B	1.5 B	0.30 U	0.30 U	0.8 B	0.9 B		
Copper	41.7 J	7.0 J	4.9 B	0.90 J	5.20 B	4.8 B	3.9 B	1.3 B	7.5 B	13.8 B		
Cyanide	0.6	1.0 B	3.1 B	0.60 U	0.60 U	0.60 U	1.0 B	0.60 U	**196**	0.2 U	10	10
Iron	36,300	2,750	420 J	9,040	188	1,390	133 J	934	161	1080 J		
Lead	19.4	0.80 U	0.80 U	2.10 J	0.80 UJ	2.4 B	1.2 U	3.0 UJ	1.6 UJ	2.7 B		
Magnesium	98,400	51,300	46,900	80,800	75,700	63,700 J	66,000 J	65,000 J	89300	92100		
Manganese	1,340	167	172 J	523	50.1	486	240 J	106	336	253 J		
Mercury	0.1	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U		
Nickel	27.5	4.9 B	4.5 B	13.3 J	2.8 B	3.9 B	2.9 B	4.8 B	3.4 B	7.0 B		
Potassium	10,300 J	7,480 J	7,920	15,300	14,300 J	9,530	13,000 J	11,700 J	14700 J	15500		
Selenium	4.5 UJ	3.9 UJ	3.9 R	3.9 UJ	4.9 B	3.1 U	3.1 UJ	3.1 U	3.3 R	3.3 UJ		
Silver	2.1	0.30 U	0.30 B	0.30 B	0.30 U	0.40 U	0.70 B	0.50 B	2.1 B	0.5 U		
Sodium	53,100	39,300	45,000 J	65,800	50,000	61,400 J	51,700 J	65,000 J	57000	67900		
Thallium	3.1	4.2 B	2.3 B	3.7 B	4.8 B	1.8 U	2.0 B	1.8 U	1.5 U	1.5 U		
Vanadium	42.3	15.8 J	10.1 B	17.0 J	1.0 U	18.1 B	13.0 B	5.6 B	1.0 U	14.4 B		
Zinc	99.0 J	30.7	33.9	27.3 J	15.6 J	18.6 B	0.50 U	0.50 UJ	4.3 U	7.4 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-62A

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]											
Aluminum	38.8 B	31.0 B	377	15.4 U	15.3 U	15.3 U	15.3 U	26.9 U	26.9 U		200
Antimony	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	60	60
Arsenic	2.4 U	2.4 UJ	2.4 U	2.4 U	2.5 U	2.5 UJ	2.5 U	3.6 U	3.6 U	20	10
Barium	90.1 B	91.8 J	110 B	101 B	88.9 J	98.9 B	97.8 B	105 B	108 B	1,000	200
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	5	5
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.7 B	5	5
Calcium	119,000	115,000	123,000	119,000	114,000 J	127,000	115,000 J	111000	128000		5,000
Chromium	2.2 B	2.3 B	4.3 B	0.40 B	2.5 B	0.20 U	0.20 U	2.9 B	0.4 U	11	10
Cobalt	0.20 U	0.40 B	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.5 U	0.5 U		50
Copper	3.8 B	2.5 B	6.8 B	4.6 B	4.7 B	3.5 B	0.60 U	6.1 B	7.5 B	25	25
Iron	58.4 B	**202**	**625**	8.5 U	8.1 U	8.1 U	8.1 U	5.3 U	5.3 U	7,000	100
Lead	0.80 U	0.80 U	0.80 U	0.80 U	2.8 B	1.3 B	1.2 U	1.6 UJ	2.9 B	4.2	3
Magnesium	41,600	40,400	44,000	44,000	40,700 J	46,300 J	41,100 J	41200	43800		5,000
Manganese	5.3 B	128	140	0.30 U	0.20 U	33.4 J	2.3 B	120	3.3 B		15
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.2	0.2
Nickel	0.40 U	1.2 B	2.1 B	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	0.4 U	96	40
Potassium	7,010	7,530	8,110 J	7,220	6,200	7,300	6,740 J	7180	6470		5,000
Selenium	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 UJ	3.1 UJ	3.3 UJ	3.3 UJ	8.5	5
Silver	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.0 B	0.5 U	10	10
Sodium	92,500 J	101,000	108,000	103,000	96,300 J	106,000 J	101,000 J	104000	102000		5,000
Thallium	3.1 B	1.7 UJ	1.7 U	5.5 B	1.8 U	1.8 U	1.8 U	1.5 R	1.5 U	40	10
Vanadium	13.7 B	5.7 B	13.5 J	2.5 B	12.4 B	11.5 B	3.3 B	1.0 U	7.9 B		50
Zinc	**23.0**	16.0 B	10.8 J	7.9 B	14.4 B	0.50 U	0.50 UJ	4.3 U	9.1 B	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	12,500 J	5,460	12,300	5,190 J	228	192 B	1,190 J	483 J	648		
Antimony	2.4 UJ	2.4 U	2.4 UJ	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U		
Arsenic	20.8 J	2.4 UJ	7.5 B	2.4 UJ	2.5 UJ	2.5 U	4.0 B	3.6 U	3.6 U		
Barium	405	183 B	354	218	95.4 J	107 J	108 J	125 J	119 B		
Beryllium	0.10 U	0.10 U	0.10 U	0.20 B	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.8 B		
Calcium	217,000	161,000	207,000	166,000	117,000 J	134,000 J	119,000 J	127000	128000		
Chromium	39.2 J	16.2	35.1 J	15.3	3.3 B	0.20 U	1.6 B	3.9 B	3.2 B		
Cobalt	16.0 B	5.7 B	12.3 B	5.6 B	0.30 U	0.30 U	0.30 U	0.5 U	0.5 U		
Copper	31.7 J	16.6 B	17.2 J	14.2 B	6.1 B	6.0 B	1.1 B	7.8 B	11.9 B		
Cyanide	0.60 U	—	0.60 U	0.60 U	0.60 U	0.90 B	0.60 U	0.2 U	0.2 U	10.0	10.0
Iron	35,100	14,400	30,900	13,600	629	1,020 J	2,940	1270	1850 J		
Lead	26.5 J	13.7	22.9 J	5.9 J	2.0 B	3.3 J	3.0 UJ	1.6 UJ	2.7 B		
Magnesium	60,700	50,100	59,700	54,400	42,800 J	47,100 J	39,800	46400	42,200		
Manganese	1,290	614	981	395	14.4 B	51.5 J	74.8	159	48.7 J		
Mercury	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U		
Nickel	41.9	15.8 B	35.6 J	16.0 B	0.80 B	0.40 U	1.9 B	0.7 B	2.5 B		
Potassium	9,530 J	8,620	10,600	9,290 J	6,610	7,230 J	6,400 J	7770 J	6220		
Selenium	3.9 UJ	3.9 R	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 U	3.3 R	3.3 UJ		
Silver	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.0 B	0.5 U		
Sodium	96,500	105,000	111,000	113,000	102,000 J	105,000 J	96,500 J	11000	99400		
Thallium	1.7 U	1.7 U	1.7 U	3.9 B	1.8 U	1.8 UJ	1.8 U	1.5 UJ	1.5 U		
Vanadium	40.0 J	19.6 B	35.7 J	8.1 B	12.4 B	9.2 B	4.5 B	1.0 U	8.4 B		
Zinc	164	55.0	95.9 J	53.1 J	14.7 B	0.50 U	0.50 UJ	4.3 U	11.3 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:

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
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume								
Aluminum	—	—	—	—	200.0 U	15.9 B	15.3 U	32.9 B	215	26.9 U		200
Antimony	—	—	—	—	60.0 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	60	60
Arsenic	—	—	—	—	10.0 U	2.5 U	2.5 UJ	2.5 U	3.6 U	3.6 U	20	10
Barium	—	—	—	—	21.9 B	41.8 J	130 B	**227**	32.3 B	49.5 B	1,000	200
Beryllium	—	—	—	—	5.0 U	0.10 U	0.1 U	0.1 U	2.3 U	2.3 U	5	5
Cadmium	—	—	—	—	5.0 U	0.10 U	0.1 U	0.1 U	0.2 U	0.2 U	5	5
Calcium	—	—	—	—	239,000	273,000 J	340,000	310,000 J	248000	345000		5,000
Chromium	—	—	—	—	0.50 B	3.3 B	0.2 U	0.2 U	3.7 B	0.7 B	11	10
Cobalt	—	—	—	—	50.0 U	0.50 B	7.9 B	10.6 B	1.4 B	0.9 B		50
Copper	—	—	—	—	4.3 B	4.6 B	0.6 U	1.8 B	7.1 B	12.3 B	25	25
Iron	—	—	—	—	11.5 B	8.1 U	**169**	41.9 B	**569**	**286**	7,000	100
Lead	—	—	—	—	1.2 B	**3.1**	1.9 B	1.2 U	1.6 UJ	2.7 B	4.2	3
Magnesium	—	—	—	—	48,600	56,700 J	83,700 J	82,300 J	48400	69900		5,000
Manganese	—	—	—	—	15.0 U	223	3,770 J	2,700	127	454		15
Mercury	—	—	—	—	0.20 U	0.10 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.2
Nickel	—	—	—	—	40.0 U	4.6 B	20.4 B	19.5 B	1.3 B	5.4 B	96	40
Potassium	—	—	—	—	3,220 B	1,000	20,000	20,200 J	5430	8480		5,000
Selenium	—	—	—	—	5.0 U	3.1 U	4.2 J	3.1 UJ	3.3 UJ	3.3 U	8.5	5
Silver	—	—	—	—	0.30 B	0.40 U	0.8 B	0.5 B	1.1 B	0.5 U	10	10
Sodium	—	—	—	—	33,900	54,500 J	72,600 J	75,400 J	41800	69000		5,000
Thallium	—	—	—	—	3.4 B	1.8 U	1.8 U	1.8 U	1.5 R	1.5 U	40	10
Vanadium	—	—	—	—	1.7 B	16.0 B	11.4 B	4.7 B	1.0 U	9.9 B		50
Zinc	—	—	—	—	**32.3**	**52.6**	**23.7**	**32.7** J	**25.6**	**56.6**	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	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
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	29.1	15.4 U	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U	583	38.6 B	26.9 U		200
Antimony	4.4	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	60	60
Arsenic	5.3	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 UJ	2.5 U	3.6 U	4.4 B	20	10
Barium	27.6	31.0 B	44.5 J	32.8 B	21.3 B	32.0 J	46.4 B	43.4 B	27.1 B	29.7 B	1,000	200
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	5	5
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.6 B	5	5
Calcium	320,000	213,000	240,000	392,000	271,000	266,000 J	343,000	290,000 J	336000	238000		5,000
Chromium	1.2	2.0 B	1.9 B	5.7 B	0.30 U	3.6 B	0.20 U	0.20 U	4.9 B	0.9 B	11	10
Cobalt	0.40	1.1 B	1.9 B	0.20 U	0.20 U	0.30 U	0.60 B	0.40 B	0.5 U	0.8 B		50
Copper	0.70	4.2 B	0.70 U	8.1 B	3.0 B	4.2 B	0.60 U	1.3 B	7.0 B	7.9 B	25	25
Iron	15.1	**114**	8.5 U	47.8 B	8.5 U	**265**	8.1 U	**1,440**	5.3 U	5.3 U	7,000	100
Lead	2.1 UJ	0.80 U	0.80 UJ	0.80 U	0.80 U	1.2 B	1.2 U	1.2 U	1.6 UJ	2.8 B	4.2	3
Magnesium	80,300	49,900	51,900	93,500	69,900	65,600 J	81,100 J	70,200 J	80000	54800		5,000
Manganese	441	1,300	887 J	107	12.7 B	1,470	1,520 J	832	12.2 B	507		15
Mercury	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.2	0.2
Nickel	1.3	2.0 B	3.2 B	1.8 B	0.40 U	2.0 B	0.50 B	3.1 B	0.4 U	2.4 B	96	40
Potassium	6,640 J	5,440	6,680 J	5,620 J	3,550 B	5,390	7,500	6840 J	5300	5820		5,000
Selenium	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	4.7 J	3.4 J	4.7 J	3.3 U	8.5	5
Silver	2.1	0.30 U	0.30 U	0.50 B	0.30 U	0.40 U	0.60 B	0.40 U	1.7 B	0.5 U	10	10
Sodium	48,400	33,100 J	49,400 J	59,600	31,700	40,100 J	65,700 J	65,200 J	46000	38300		5,000
Thallium	3.1	5.8 B	5.0 B	1.7 U	3.6 B	1.8 U	1.8 U	1.8 U	1.5 R	2.1 J	40	10
Vanadium	17.9	16.4 B	9.2 B	18.3 J	2.4 B	18.5 B	14.1 B	4.5 B	1.0 U	5.5 B		50
Zinc	1.1	19.5 B	5.5 B	10.9 J	10.0 B	14.3 B	0.50 U	0.50 UJ	4.3 U	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	17,600 J	13,200 J	1,730 J	6,970	1,370 J	3,550	882	5,080 J	3190 J	1970		
Antimony	4.1	2.4 UJ	2.4 U	2.4 UJ	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U		
Arsenic	5.3	20.4	2.4 U	2.4 U	2.4 UJ	2.5 UJ	4.7 B	5.4 B	5.9 J	3.6 U		
Barium	124	119 B	53.1 J	64.6 B	29.0 B	49.7 J	52.0 J	70.3 J	42.1 J	36.0 B		
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.20 B	0.10 U	0.10 U	2.3 U	2.3 U		
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.9 B		
Calcium	507,000	305,000	266,000	426,000	272,000	267,000 J	348,000 J	355,000	349000	230000		
Chromium	31.6	21.5 J	4.1 B	15.0 J	2.0 B	8.4 B	0.20 U	4.1 B	8.4 B	3.5 B		
Cobalt	16.5	14.1 B	3.3 B	5.0 B	1.1 B	2.5 B	0.90 B	4.6 B	1.9 B	1.5 B		
Copper	50.2 J	24.8 J	6.3 B	5.0 J	6.4 B	11.1 B	3.1 B	9.2 B	14.0 B	9.8 B		
Cyanide	0.6	0.60 U	10.3	0.60 U	0.60 U	0.60 U	1.90 B	0.70 B	0.2 U	0.2 U	10	10
Iron	40,600	33,700	4,620 J	15,600	2,700	7,590	2,360 J	11,200	6770	3100 J		
Lead	24.1	22.8 J	2.5 B	10.2 J	0.8 UJ	5.7	1.4 J	5.6 J	3.1 J	3.4		
Magnesium	114,000	73,500	56,600	103,000	70,700	64,600 J	82,700 J	83,600 J	82400	53400		
Manganese	2,160	2,390	1,220 J	734	164	1,060	687 J	986	331	497 J		
Mercury	0.10	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U		
Nickel	32.9	29.9 B	8.2 B	14.4 J	1.5 B	8.1 B	2.2 B	11.6 B	4.4 B	4.5 B		
Potassium	9,330 J	7,990 J	7,570 J	7,150	4,080 J	6,250	7,600 J	8,170 J	5990 J	6350		
Selenium	4.5 UJ	3.9 UJ	3.9 R	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 U	3.3 R	3.3 U		
Silver	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	2.2 B	0.5 U		
Sodium	46,900	38,500	54,800 J	63,500	30,100	36,600 J	65,400 J	66,300 J	46200	35700		
Thallium	3.1	4.7 B	7.4 J	1.7 U	4.1 B	1.8 U	1.8 UJ	1.8 U	1.5 UJ	1.5 UJ		
Vanadium	52.9	42.0 J	10.2 B	26.5 J	1.0 U	25.6 B	12.0 B	13.8 B	1.0 U	7.9 B		
Zinc	142 J	115	23.6	55.0 J	19.4 J	38.5	0.50 U	14.7 J	15.5 B	6.9 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-64

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	29.1	15.4 U	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U	70.3 B	26.2 U	26.9 U		**200**
Antimony	4.1	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	**60**	**60**
Arsenic	5.3	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 U	5.8 B	3.6 U	3.6 U	**20**	**10**
Barium	35.7	40.6 B	40.2 J	42.0 B	43.1 B	48.6 J	48.4 B	43.1 B	41.5 B	47.5 B	**1,000**	**200**
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	**5**	**5**
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.2 U	**5**	**5**
Calcium	179,000	168,000	164,000	188,000	166,000	151,000 J	194,000	181,000 J	174000	182000		**5,000**
Chromium	2.3	2.7 B	3.1 B	3.6 B	0.4 B	3.3 B	0.20 U	0.20 U	3.8 B	0.6 B	**11**	**10**
Cobalt	0.40	0.20 U	0.20 U	0.80 B	1.00 B	2.0 B	0.40 B	0.30 U	0.5 U	0.6 B		**50**
Copper	0.70	4.9 B	3.5 B	7.2 B	2.8 B	3.5 B	0.60 B	0.60 U	5.7 B	7.3 B	**25**	**25**
Iron	8.1	59.2 B	8.5 U	21.6 B	8.5 U	8.1 U	8.1 U	**160**	5.3 U	46.8 B	**7,000**	**100**
Lead	2.1 UJ	0.80 U	0.80 U	0.80 U	0.80 U	**3.2**	1.2 U	1.2 U	1.6 UJ	1.6 U	**4.2**	**3**
Magnesium	57,100	51,700	49,600	58,800	54,000	51,500 J	62,900 J	55,100 J	54500	56600		**5,000**
Manganese	147	302	269	787	1150	2,080	619.0 J	611	398	983		**15**
Mercury	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	**0.2**	**0.2**
Nickel	1.6	1.8 B	2.4 B	8.4 B	2.9 B	4.6 B	4.0 B	2.8 B	0.7 B	2.7 B	**96**	**40**
Potassium	9,720 J	7,890	8,920 J	20,100 J	12,400	17,100	17,100	7,600 J	9160	12700		**5,000**
Selenium	4.5 UJ	3.9 U	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 U	3.1 UJ	3.7 J	3.3 UJ	**8.5**	**5**
Silver	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.50 B	0.40 U	0.8 B	0.5 U	**10**	**10**
Sodium	42,200	36,700 J	39,600 J	55,300	39,400	41,300 J	52,900 J	45,900 J	36800	42500		**5,000**
Thallium	3.1	3.4 B	1.7 U	2.3 B	2.9 B	1.8 U	1.8 U	1.8 U	1.5 R	1.5 U	**40**	**10**
Vanadium	14.1	15.9 B	10.5 B	13.9 J	3.2 B	14.3 B	13.6 B	3.5 B	1.0 U	8.7 B		**50**
Zinc	1.1	12.6 B	10.2 B	6.4 J	7.4 B	10.2 B	0.50 U	0.50 UJ	4.3 U	4.3 U	**86**	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	11,000 J	13,700 J	1,780 J	15,600	1,730 J	583	333	6670 J	135 J	38.8 B		
Antimony	4.1	2.4 UJ	2.4 U	2.4 UJ	2.4 UJ	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U		
Arsenic	5.3	15.9	2.4 U	2.4 B	2.4 UJ	2.5 UJ	2.5 U	2.5 B	5.4 J	3.6 U		
Barium	73.0	74.8 B	49.8 J	84.9 B	39.7 B	56.2 J	49.3 J	62.5 B	44.7 J	49.0 B		
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U		
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.2 U		
Calcium	280,000	230,000	186,000	252,000	228,000	167,000 J	206,000 J	198,000 J	195000	183000		
Chromium	23.4	25.4 J	5.4 B	25.8 J	2.3 B	4.8 B	0.20 U	8.4 B	3.6 B	0.9 B		
Cobalt	13.1	15.3 B	3.0 B	19.6 B	2.4 B	3.8 B	1.6 B	7.9 B	1.1 B	0.5 U		
Copper	36.2 J	14.9 J	6.8 B	3.4 J	5.6 B	5.2 B	1.1 B	4.8 B	10.0 B	7.3 B		
Cyanide	0.6	0.60 U	7.3 B	2.0 B	0.60 B	3.0 B	2.1 B	1.4 B	0.2 U	0.2 U	**10**	**10**
Iron	22,900	31,800	4,080 J	37,200	2,690	2,030	1,300 J	14,500	405	1,160 J		
Lead	12.1	10.9 J	2.1 B	11.8 J	0.8 UJ	1.8 B	2.9 J	3.3 J	1.6 UJ	2.2 B		
Magnesium	78,000	62,500	53,600	71,600	64,800	56,700 J	66,000 J	59,300 J	61600	55900		
Manganese	2,290	1,920	702 J	3,830	1,200	2,690	793 J	1,330	646	867 J		
Mercury	0.1	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U		
Nickel	25.7	32.0 B	5.7 B	39.1 J	4.4 B	7.0 B	6.3 B	13.9 B	2.2 B	1.7 B		
Potassium	17,000 J	11,900 J	8,710 J	22,100	10,400 J	20,800	20,400 J	9,480 J	12500 J	11900		
Selenium	4.5 UJ	3.9 UJ	3.9 R	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 U	3.3 R	3.3 UJ		
Silver	2.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.0 B	0.5 U		
Sodium	59,600	40,600	39,500 J	56,600	38,200	47,400 J	59,000 J	45,300 J	44200	41000		
Thallium	3.1	4.2 B	6.1 B	1.7 U	2.7 B	1.8 U	1.8 UJ	1.8 U	1.5 UJ	1.5		
Vanadium	34.2	36.8 J	12.9 B	38.2 J	1.0 U	18.3 B	9.2 B	12.8 B	1.0 U	7.5		
Zinc	78.9 J	93.0	16.2 B	79.6 J	22.3 J	14.0 B	0.50 U	14.7 J	4.3 U	13.9		
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-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume			Insufficient Volume				
Aluminum	—	—	—	—	15.4 U	88.5 B	—	38.2 B	26.9 U		200
Antimony	—	—	—	—	2.4 U	1.6 U	—	4.8 U	4.8 U	60	60
Arsenic	—	—	—	—	2.4 UJ	2.5 U	—	3.6 U	3.6 U	10	10
Barium	—	—	—	—	31.0 B	28.5 J	—	19.3 B	20.3 B	1,000	200
Beryllium	—	—	—	—	0.10 U	0.10 U	—	2.3 U	2.3 U	5	5
Cadmium	—	—	—	—	0.10 U	0.10 U	—	0.2 U	0.5 B	5	5
Calcium	—	—	—	—	169,000	190,000 J	—	187000	204000		5,000
Chromium	—	—	—	—	0.30 U	6.4 B	—	7.7 B	2.8 B	11	10
Cobalt	—	—	—	—	0.20 U	0.3 U	—	0.5 U	0.5 U		50
Copper	—	—	—	—	1.3 B	3.2 B	—	5.1 B	9.3 B	25	25
Iron	—	—	—	—	**124**	8.1 U	—	5.3 U	5.9 B	5,000	100
Lead	—	—	—	—	0.80 UJ	2.3 B	—	1.6 UJ	2.3 B	4.2	3
Magnesium	—	—	—	—	108,000	138,000 J	—	139000	143000		5,000
Manganese	—	—	—	—	0.30 U	0.20 U	—	0.5 U	0.5 U		15
Mercury	—	—	—	—	0.10 U	0.10 UJ	—	0.1 U	0.1 U	0.2	0.2
Nickel	—	—	—	—	0.40 U	0.40 U	—	0.4 U	0.4 U	96	40
Potassium	—	—	—	—	3,870 B	3980.0 B	—	4220 B	4400 B		5,000
Selenium	—	—	—	—	3.9 U	3.1 U	—	5.0 J	3.3 U	8.5	5
Silver	—	—	—	—	0.30 U	0.40 U	—	1.1 B	0.5 U	10	10
Sodium	—	—	—	—	30,000	31800.0 J	—	33400	34100		5,000
Thallium	—	—	—	—	3.8 B	1.8 U	—	1.5 R	3.0 J	40	10
Vanadium	—	—	—	—	1.0 U	29.1 B	—	1.0 U	16.2 B		50
Zinc	—	—	—	—	9.4 B	14.4 B	—	4.3 U	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	—	—	—	—	2,610	2,450	—	1200 J	5400		
Antimony	—	—	—	—	60.0 U	1.6 U	—	4.8 U	4.8 U		
Arsenic	—	—	—	—	10.0 UJ	2.5 UJ	—	3.6 U	3.6 U		
Barium	—	—	—	—	48.3 B	40.6 J	—	25.7 J	43.0 B		
Beryllium	—	—	—	—	0.10 B	0.10 U	—	2.3 U	2.3 U		
Cadmium	—	—	—	—	5.00 U	0.10 U	—	0.2 U	1.4 B		
Calcium	—	—	—	—	181,000	191000.0 J	—	196000	217000		
Chromium	—	—	—	—	6.7 B	12.5	—	9.8 B	13.0		
Cobalt	—	—	—	—	2.5 B	2.5 B	—	1.7 B	5.0 B		
Copper	—	—	—	—	6.7 B	9.1 B	—	10.6 B	18.2 B		
Cyanide	—	—	—	—	10.0 U	0.60 U	—	0.2 U	0.2 U	10	10
Iron	—	—	—	—	7,680	7,060	—	3030	8410 J		
Lead	—	—	—	—	4.4 J	7.7	—	1.6 UJ	8.0		
Magnesium	—	—	—	—	114,000	139,000 J	—	141000	146000		
Manganese	—	—	—	—	232	192	—	103	360 J		
Mercury	—	—	—	—	0.20 U	0.10 UJ	—	0.1 U	0.1 U		
Nickel	—	—	—	—	5.9 B	4.7 B	—	1.9 B	8.9 B		
Potassium	—	—	—	—	4,630 J	4,740 B	—	4750 J	6360		
Selenium	—	—	—	—	5.0 U	3.1 U	—	3.3 R	3.3 U		
Silver	—	—	—	—	10.00 U	0.40 U	—	1.3 B	0.5 U		
Sodium	—	—	—	—	31,600	32,500 J	—	34900	35200		
Thallium	—	—	—	—	4.1 B	2.5 B	—	1.5 UJ	1.5 UJ		
Vanadium	—	—	—	—	4.5 B	34.3 B	—	1.0 U	25.1 B		
Zinc	—	—	—	—	31.5 J	30.7	—	4.3 U	19.7 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	—	BRL	BRL	BRL	—	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	—	BRL	—	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 Creek Surface Water Sample Location SW-50

	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										
Compound	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**Jun-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]						No Flow					
Aluminum	15.4 U	19.7 B	15.4 U	15.4 U	26.0 B	—	15.3 U	34.1 B	26.9 U		**200**
Antimony	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	—	1.6 U	4.8 U	4.8 U	**60**	**60**
Arsenic	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	—	10.0 B	3.6 U	3.6 U	**20**	**10**
Barium	45.4 B	67.6 B	36.5 B	37.9 B	44.8 B	—	30.9 B	45.1 B	47.9 B	**1,000**	**200**
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.10 U	2.30 U	2.30 U	**5**	**5**
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.10 U	0.20 U	0.20 U	**5**	**5**
Calcium	74,800	103,000	69,800	77,300	80,600	—	70,500 J	96,600	77,100		**5,000**
Chromium	1.1 B	2.4 B	1.7 B	0.8 B	1.4 B	—	0.20 U	1.90 B	0.90 B	**11**	**10**
Cobalt	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	—	0.30 U	0.50 U	0.60 B		**50**
Copper	4.1 B	0.7 U	4.2 J	3.3 B	2.3 B	—	0.60 U	5.60 B	6.00 B	**25**	**25**
Iron	9.3 B	10.2 B	43.7 B	8.5 U	8.1 U	—	8.1 U	5.3 U	6.9 B	**7,000**	**100**
Lead	0.80 U	0.80 U	0.80 U	0.80 U	1.8 B	—	1.2 U	1.6 UJ	1.6 U	**4.2**	**3**
Magnesium	22,900	29,200	17,400	20,200	21,100	—	18,600 J	25,700	23,500		**5,000**
Manganese	13.7 B	3.5 B	4.0 B	0.3 U	0.40 B	—	0.20 U	0.70 B	2.50 B		**15**
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.10 U	0.10 U	0.10 U	**0.2**	**0.2**
Nickel	0.40 U	0.40 U	0.40 U	0.40 U	0.50 B	—	0.40 U	0.40 U	0.40 U	**96**	**40**
Potassium	3,130 B	4,760 J	2,410 B	1,640 B	2,640 B	—	2,800 J	2,400 B	3,080 B		**5,000**
Selenium	3.9 U	3.9 UJ	3.9 UJ	3.9 U	3.1 U	—	3.1 UJ	3.3 UJ	3.3 UJ	**8.5**	**5**
Silver	0.30 U	0.30 B	0.30 U	0.30 U	0.40 U	—	0.40 U	0.60 B	0.50 U	**10**	**10**
Sodium	42,400	42,500	42,400	56,300	34,500	—	41,100 J	97,300	64,000		**5,000**
Thallium	3.0 B	3.3 B	3.1 B	3.1 B	3.5 B	—	1.8 U	1.5 UJ	5.5 J	**40**	**10**
Vanadium	9.7 B	1.1 B	2.8 B	1.0 U	6.5 B	—	0.90 B	1.00 U	5.00 B		**50**
Zinc	3.1 B	8.8 B	8.9 B	8.0 B	10.6 B	—	0.50 UJ	4.30 U	4.30 U	**86**	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	15.4 U	36.9 B	302	111 B	299	—	24.8 B	173 B	38.1 B		
Antimony	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	—	1.6 U	4.8 U	4.8 U		
Arsenic	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	—	8.9 B	3.6 U	3.6 U		
Barium	43.9 B	68.8 B	40.5 B	39.0 B	47.3 B	—	32.1 J	47.2 B	46.5 B		
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.10 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.10 U	0.20 U	0.20 U		
Calcium	71,900	106,000	74,100	78,300	78,000	—	73,200 J	98,800	77,800		
Chromium	1.0 B	2.5 B	2.1 B	0.70 B	1.9 B	—	0.20 U	2.1 B	1.0 B		
Cobalt	0.20 U	0.20 U	0.20 J	0.20 U	0.30 U	—	0.30 U	0.50 U	0.50 B		
Copper	3.8 B	0.70 U	4.7 B	3.5 B	3.3 B	—	0.60 U	6.7 B	6.5 B		
Cyanide	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	—	0.60 U	0.70 B	0.20 U	**10**	**10**
Iron	35.1 B	71.7 B	508 J	142	525	—	19.5 B	253	27.0 B		
Lead	0.8 U	0.9 J	0.80 U	0.80 U	2.0 B	—	3.0 UJ	1.6 UJ	1.6 U		
Magnesium	21,900	29,600	17,700	20,900	20,600	—	19,000 J	26,100	23,000		
Manganese	6.5 B	5.8 B	36.0 J	1.5 B	24.1	—	0.20 U	15.5	3.4 B		
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.10 U	0.10 U	0.10 U		
Nickel	2.9 B	0.40 U	0.40 U	0.40 U	0.60 B	—	0.40 U	0.40 U	0.40 U		
Potassium	3,020 B	4,870 J	2,430 J	1,680 B	2,640 B	—	2,810 J	2,470 B	3,210 B		
Selenium	3.9 U	3.9 UJ	3.9 U	3.9 U	3.1 U	—	3.1 UJ	4.6 J	3.3 UJ		
Silver	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	—	0.40 U	0.50 U	0.50 U		
Sodium	41,300	43,000 J	42,100 J	57,900	33,600	—	41,000 J	97,400	65,600		
Thallium	1.7 U	2.8 B	1.7 U	5.4 B	2.8 B	—	9.8 B	1.5 UJ	5.5 J		
Vanadium	7.6 B	2.6 B	3.1 B	1.0 U	5.2 B	—	0.80 U	1.0 U	5.2 B		
Zinc	3.1 B	2.6 B	6.3 B	8.9 B	12.0 B	—	0.50 UJ	4.3 U	4.3 U		
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	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-51

	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										
Compound	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**Jun-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]											
Aluminum	15.4 U	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U	15.3 U	26.9 U	27.6 B		**200**
Antimony	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	**60**	**60**
Arsenic	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 UJ	2.9 B	3.6 U	3.6 U	**20**	**10**
Barium	42.4 B	60.1 B	42.5 B	41.0 B	47.9 B	43.2 B	32.8 B	47.8 B	47.1 B	**1,000**	**200**
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.30 U	2.30 U	**5**	**5**
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 U	**5**	**5**
Calcium	68,700	97,600	88,800	84,500	80,400	81,100	73,700 J	95,000	76,100		**5,000**
Chromium	1.1 B	2.0 B	2.4 B	0.60 B	1.4 B	0.20 U	0.20 U	2.30 B	0.90 B	**11**	**10**
Cobalt	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.50 U	0.80 B		**50**
Copper	3.8 B	0.70 U	4.1 J	3.1 B	3.4 B	1.7 B	0.70 B	6.50 B	5.80 B	**25**	**25**
Iron	12.6 B	11.3 B	8.9 B	8.5 U	8.1 U	8.1 U	8.1 U	5.3 U	13.6 B	**7,000**	**100**
Lead	0.8 U	0.8 U	0.80 U	0.80 U	1.2 B	1.5 B	1.2 U	1.6 UJ	1.6 U	**4.2**	**3**
Magnesium	22,300	26,600	21,600	22,100	21,900	25,600 J	18,900 J	25,300	22,500		**5,000**
Manganese	22.4	20.7	2.0 B	0.3 U	1.7 B	31.4	4.8 B	2.3 B	3.5 B		**15**
Mercury	0.10 U	0.10 U	0.10 U	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 B	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	**96**	**40**
Potassium	3,230 B	4,290 J	2,220 B	1,740 B	2,760 B	3,540 B	2,840 J	2,380 B	3,040 B		**5,000**
Selenium	3.9 U	3.9 UJ	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 UJ	3.3 UJ	3.3 UJ	**8.5**	**5**
Silver	0.3 U	0.3 U	0.30 U	0.30 U	0.40 U	1.5 B	0.40 U	0.90 B	0.50 U	**10**	**10**
Sodium	42,800	41,300 J	42,100	61,400	37,000	42,800 J	42,800 J	96,700	65,200		**5,000**
Thallium	2.7 B	2.9 B	1.7 U	6.8 B	1.8 U	3.0 BJ	1.8 U	1.5 UJ	3.5 J	**40**	**10**
Vanadium	5.9 B	2.2 B	4.0 B	1.5 B	4.8 B	4.8 B	1.6 B	1.0 U	5.0 B		**50**
Zinc	5.4 B	5.0 B	1.1 U	8.1 B	12.1 B	0.50 U	0.50 UJ	4.30 U	4.30 U	**86**	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	15.4 U	53.5 B	98.8 B	117.0 B	44.8 B	15.3 U	24.3 B	58.5 B	46.2 B		
Antimony	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U		
Arsenic	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	3.7 B	5.1 B	3.6 U	3.6 U		
Barium	39.5 B	61.8 B	40.7 B	40.2 B	42.1 B	50.4 J	33.3 J	46.2 B	49.9 B		
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.30 U	2.30 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 U		
Calcium	69,300	99,800	82,400	81,900	72,700	87,200 J	74,400 J	97,000	83,400		
Chromium	1.1 B	2.3 B	1.9 B	0.6 B	1.3 B	0.20 U	0.20 U	2.10 B	2.80 B		
Cobalt	0.20 U	0.20 U	0.20 U	0.20 U	3.0 U	0.30 U	0.30 U	0.50 U	0.80 B		
Copper	3.9 B	0.70 U	3.8 J	3.2 B	2.4 B	3.0 B	0.60 U	5.80 B	6.10 B		
Cyanide	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	1.0 B	0.60 U	0.20 U	0.20 U	**10**	**10**
Iron	64.4 B	69.0 B	174 J	144	79.7 B	84.3 J	50.6 B	45.1 B	106.0		
Lead	0.8 U	1.1 J	0.80 U	0.80 U	1.7 B	1.7 B	3.0 UJ	1.6 UJ	1.6 U		
Magnesium	22,200	26,900	20,700	21,100	19,700	27,100 J	19,000 J	25,700	24,500		
Manganese	20.9	23.7	5.3 J	1.9 B	4.6 B	82.4 J	29.3	3.9 B	11.1 B		
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Nickel	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.50 B		
Potassium	3,190 B	4,430 J	2,130 J	1,710 B	2,470 B	3,680 J	2,860 J	2,430 B	3,250 B		
Selenium	3.9 U	3.9 UJ	3.90 UJ	3.90 U	3.1 UJ	3.1 U	3.1 UJ	3.3 UJ	3.3 UJ		
Silver	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	0.50 U	0.50 U		
Sodium	41,700	42,100 J	40,400 J	59,000 J	33,300	45,000 J	42,200 J	97,400	69,200		
Thallium	1.9 B	2.9 B	1.7 U	4.4 B	1.8 U	4.1 B	1.9 B	1.5 UJ	2.6 J		
Vanadium	8.9 B	1.2 B	2.5 B	1.0 U	4.1 B	11.8 B	1.6 B	1.0 U	4.6 B		
Zinc	8.2 B	3.2 B	1.5 B	9.1 B	9.8 B	0.50 U	0.50 UJ	4.30 U	4.30 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 Creek Surface Water Sample Location SW-52

	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										
Compound	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**Jun-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]											
Aluminum	15.4 U	18.5 B	15.4 U	15.4 U	26.7 B	15.3 U	15.3 U	26.9 U	26.9 U		200
Antimony	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	60	60
Arsenic	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 UJ	3.4 B	3.6 U	3.6 U	20	10
Barium	47.4 B	64.7 B	41.6 B	39.2 B	48.5 B	113 B	32.0 B	47.0 B	48.6 B	1,000	200
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.30 U	2.30 U	5	5
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 B	5	5
Calcium	74,700	105,000	87,300	80,100	80,700	125,000	70,400 J	97,900	78,800		5,000
Chromium	1.1 B	2.2 B	2.0 B	0.50 B	1.6 B	0.20 U	0.20 U	2.10 B	0.70 B	11	10
Cobalt	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.50 U	0.60 B		50
Copper	3.9 B	0.70 U	4.0 J	4.6 B	3.6 B	1.6 B	0.60 U	5.60 B	5.30 B	25	25
Iron	8.5 U	27.1 B	10.9 B	8.5 U	8.1 U	17.5 B	8.1 U	5.3 U	11.3 B	7,000	100
Lead	0.8 U	1.0 J	0.80 U	1.50 B	1.7 B	**3.6**	1.2 U	1.6 UJ	1.6 U	4.2	3
Magnesium	21,700	27,100	21,600	21,100	22,300	29,100 J	18,000 J	26,200	23,200		5,000
Manganese	21.4	25.9	2.2 B	0.30 U	4.6 B	295	4.4 B	2.6 B	11.4 B		15
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2	0.2
Nickel	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.90 B	96	40
Potassium	3,070 B	4,370 J	2,180 B	1,630 B	2,710 B	3,490 B	2,750 J	2,440 B	3,060 B		5,000
Selenium	3.9 U	3.9 UJ	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 UJ	3.3 UJ	3.3 UJ	8.5	5
Silver	0.30 U	0.40 B	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	0.50 B	0.50 U	10	10
Sodium	41,800	42,200 J	42,500	59,700	37,900	37,700 J	41,200 J	101,000	67,900		5,000
Thallium	1.9 B	3.9 B	2.0 B	3.4 B	1.8 U	6.8 J	1.8 U	1.5 UJ	3.3 J	40	10
Vanadium	8.9 B	2.9 B	3.9 B	1.9 B	4.9 B	10.2 B	2.2 B	1.0 U	4.3 B		50
Zinc	2.3 B	3.6 B	1.6 B	8.8 B	**24.7**	0.50 U	0.50 UJ	4.30 U	4.30 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	139 B	106 B	68.3 B	154 B	117 B	15.3 U	18.6 B	59.1 B	47.5 B		
Antimony	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U		
Arsenic	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	3.5 B	2.8 B	3.6 U	3.6 U		
Barium	50.2 B	66.5 B	40.9 B	41.0 B	42.4 B	60.5 J	32.3 J	45.6 B	48.8 B		
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.30 U	2.30 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 U		
Calcium	77,900	106,000	82,600	81,700	77,900	97,500 J	71,400 J	95,400	80,000		
Chromium	1.3 B	2.2 B	2.1 B	0.70 B	1.9 B	0.20 B	0.20 U	2.10 B	1.00 B		
Cobalt	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.50 U	0.90 B		
Copper	4.3 B	0.70 U	3.8 J	3.9 B	3.3 B	2.8 B	0.60 U	5.80 B	5.70 B		
Cyanide	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	1.0 B	0.60 U	1.30 B	0.20 U	10	10
Iron	341	145	168 J	214.0	139	298 J	60.7 B	43.8 B	86.8 B		
Lead	0.80 U	0.80 U	0.80 U	0.80 U	1.8 B	2.7 B	3.0 UJ	1.6 UJ	1.6 U		
Magnesium	22,700	27,100	20,500	21,300	20,800	28,200 J	18,100 J	25,700	23,200		
Manganese	43.7	37.4	5.7 J	3.7 B	9.8 B	173.0 J	14.1 B	4.2 B	18.8		
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Nickel	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U		
Potassium	3,250	4,460 J	2,070 J	1,730 B	2,610 B	3,930 J	2,750 J	2,400 B	3,110 B		
Selenium	3.9 U	3.9 UJ	3.90 UJ	3.9 U	3.1 UJ	3.1 U	3.1 UJ	3.3 UJ	3.3 UJ		
Silver	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.00 B	0.50 U		
Sodium	44,100	43,400 J	40,500 J	60,700	36,900	47,500 J	41,100 J	98,800	69,100		
Thallium	4.5 B	4.1 B	3.4 B	4.2 B	1.9 B	4.0 B	2.9 B	1.5 UJ	7.3 J		
Vanadium	6.8 B	2.7 B	3.2 B	1.3 B	6.2 B	12.0 B	1.6 B	1.0 U	4.6 B		
Zinc	6.9 B	3.2 B	1.1 U	9.6 B	17.3 B	0.50 U	0.50 UJ	4.30 U	4.30 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 Outfall Surface Water Run Off Location SWD-1

	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										
Compound	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**Apr-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]	Location Dry	Location Dry				Location Dry	Location Dry	Location Dry			
Aluminum	—	—	15.4 U	15.4 U	15.3 U	—	—	—	34.6 B		**200**
Antimony	—	—	2.4 U	2.4 U	1.6 U	—	—	—	4.8 U	**60**	**60**
Arsenic	—	—	2.4 U	2.4 U	2.5 U	—	—	—	3.6 U	**20**	**10**
Barium	—	—	31.3 B	18.1 B	41.8 J	—	—	—	47.4 J	**1,000**	**200**
Beryllium	—	—	0.10 U	0.10 U	0.10 U	—	—	—	2.3 U	**5**	**5**
Cadmium	—	—	0.10 U	0.10 U	0.10 U	—	—	—	0.2 U	**5**	**5**
Calcium	—	—	85,000	51,200	59,100 J	—	—	—	95200		**5,000**
Chromium	—	—	1.2 B	0.30 U	1.0 B	—	—	—	1.6 B	**11**	**10**
Cobalt	—	—	0.20 U	0.20 U	0.30 U	—	—	—	0.5 U		**50**
Copper	—	—	2.0 J	2.1 B	4.7 B	—	—	—	5.0 B	**25**	**25**
Iron	—	—	8.5 U	8.5 U	10.6 B	—	—	—	5.3 U	**7,000**	**100**
Lead	—	—	0.80 U	0.80 U	1.9 B	—	—	—	1.6 UJ	**4.2**	**3**
Magnesium	—	—	13,800	8,700	8,500 J	—	—	—	15700		**5,000**
Manganese	—	—	0.3 U	0.30 U	1.3 B	—	—	—	0.5 U		**15**
Mercury	—	—	0.10 U	0.10 U	0.10 UJ	—	—	—	0.1 U	**0.2**	**0.2**
Nickel	—	—	0.40 U	0.40 U	0.60 B	—	—	—	0.4 U	**96**	**40**
Potassium	—	—	3,250 B	2,570 B	5,580	—	—	—	4990 B		**5,000**
Selenium	—	—	3.9 UJ	3.9 U	3.1 U	—	—	—	3.3 U	**8.5**	**5**
Silver	—	—	0.30 U	0.30 U	0.40 U	—	—	—	0.5 U	**10**	**10**
Sodium	—	—	1,260 B	1,670 B	2,400 J	—	—	—	4270 B		**5,000**
Thallium	—	—	1.8 B	3.0 B	2.1 B	—	—	—	1.5 UJ	**40**	**10**
Vanadium	—	—	2.0 B	1.0 U	1.9 B	—	—	—	1.0 U		**50**
Zinc	—	—	81.2	**42.8**	**227**	—	—	—	**135**	**86**	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	—	—	15.4 U	209	921	—	—	—	180 B		
Antimony	—	—	2.4 U	2.4 U	1.6 U	—	—	—	4.8 U		
Arsenic	—	—	2.4 U	2.4 U	2.5 UJ	—	—	—	3.6 U		
Barium	—	—	33.1 B	18.8 B	47.9 J	—	—	—	49.2 J		
Beryllium	—	—	0.10 U	0.10 U	0.10 U	—	—	—	2.3 U		
Cadmium	—	—	0.10 U	0.10 U	0.10 U	—	—	—	0.2 U		
Calcium	—	—	91,100	52,000	5,800 J	—	—	—	94200		
Chromium	—	—	1.3 B	0.60 B	2.1 B	—	—	—	1.4 B		
Cobalt	—	—	0.20 U	0.20 U	0.80 B	—	—	—	0.5 U		
Copper	—	—	2.5 J	2.2 B	6.8 B	—	—	—	5.4 B		
Cyanide	—	—	0.60 U	0.60 U	0.60 B	—	—	—	0.2 U	**10**	**10**
Iron	—	—	72.8 J	361.0	1,760	—	—	—	322		
Lead	—	—	0.80 U	0.80 U	3.1	—	—	—	1.6 U		
Magnesium	—	—	14,600	8790.0	8,730	—	—	—	152000		
Manganese	—	—	3.8 J	5.4 B	27.3	—	—	—	6.0 B		
Mercury	—	—	0.10 U	0.10 U	0.10 UJ	—	—	—	0.1 U		
Nickel	—	—	0.40 U	0.40 U	2.2 B	—	—	—	0.4 U		
Potassium	—	—	3,490 J	2,580 B	6,000	—	—	—	5130		
Selenium	—	—	3.9 UJ	3.9 U	3.1 UJ	—	—	—	3.3 U		
Silver	—	—	0.30 U	0.30 U	0.40 U	—	—	—	0.5 U		
Sodium	—	—	1,290 J	1690.0 B	2,370 J	—	—	—	4290 B		
Thallium	—	—	4.0 B	4.6 B	1.8 U	—	—	—	1.5 UJ		
Vanadium	—	—	1.5 B	1.0 U	2.6 B	—	—	—	1.0 U		
Zinc	—	—	85.6	47.6	233	—	—	—	142		
Volatile Organic Compounds (VOCs)	—	—	BRL	BRL	BRL	—	—	—	BRL		
Semi-Volatile Organic Compounds (SVOCs)	—	—	BRL	BRL	BRL	—	—	—	BRL		
Pesticides / PCBs	—	—	BRL	BRL	BRL	—	—	—	BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) 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

	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										
Compound	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**Apr-09**	**TRIGGER LEVEL**	**CRQL**
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	—	—	21.1 B	20.8 B	45.3 B	—	—	—	—	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	—	—	173,000	109,000	117,000	—	—	—	—		5,000
Chromium	—	—	4.0 B	0.50 B	2.0 B	—	—	—	—	11	10
Cobalt	—	—	0.20 J	0.20 U	0.30 U	—	—	—	—		50
Copper	—	—	5.3 B	3.0 B	3.0 B	—	—	—	—	25	25
Iron	—	—	8.5 U	8.5 U	8.1 U	—	—	—	—	7,000	100
Lead	—	—	0.8 U	0.8 U	1.2 U	—	—	—	—	4.2	3
Magnesium	—	—	50,200	31,200	33,600	—	—	—	—		5,000
Manganese	—	—	1.7 B	0.30 U	0.20 U	—	—	—	—		15
Mercury	—	—	0.10 U	0.10 U	0.10 U	—	—	—	—	0.2	0.2
Nickel	—	—	0.40 U	0.40 U	0.40 U	—	—	—	—	96	40
Potassium	—	—	2,640 B	1,870 B	2,730 B	—	—	—	—		5,000
Selenium	—	—	3.9 UJ	3.9 U	3.1 U	—	—	—	—	8.5	5
Silver	—	—	0.30 B	0.30 U	0.40 U	—	—	—	—	10	10
Sodium	—	—	2,330 B	2,350 B	2,470 B	—	—	—	—		5,000
Thallium	—	—	3.6 B	5.0 B	1.8 B	—	—	—	—	40	10
Vanadium	—	—	6.4 B	1.0 U	9.8 B	—	—	—	—		50
Zinc	—	—	2.3 B	9.9 B	10.0 B	—	—	—	—	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	—	—	15.4 U	15.4 U	15.3 U	—	—	—	—		
Antimony	—	—	2.4 U	2.4 U	1.6 U	—	—	—	—		
Arsenic	—	—	2.4 U	2.4 U	2.5 U	—	—	—	—		
Barium	—	—	20.1 B	19.5 B	44.9 B	—	—	—	—		
Beryllium	—	—	0.10 U	0.10 U	0.10 U	—	—	—	—		
Cadmium	—	—	0.10 U	0.10 U	0.10 U	—	—	—	—		
Calcium	—	—	166,000	108,000	118,000	—	—	—	—		
Chromium	—	—	3.8 B	0.5 B	1.8 B	—	—	—	—		
Cobalt	—	—	0.20 U	0.20 U	0.30 U	—	—	—	—		
Copper	—	—	5.1 J	2.8 B	2.7 B	—	—	—	—		
Cyanide	—	—	0.60 U	0.60 U	0.70 B	—	—	—	—	10	10
Iron	—	—	8.50 J	8.50 U	8.1 U	—	—	—	—		
Lead	—	—	0.80 U	0.80 U	1.2 U	—	—	—	—		
Magnesium	—	—	48,600	30,100	32,600	—	—	—	—		
Manganese	—	—	1.1 J	0.30 U	0.20 U	—	—	—	—		
Mercury	—	—	0.10 U	0.10 U	0.10 U	—	—	—	—		
Nickel	—	—	0.40 B	0.40 U	0.40 U	—	—	—	—		
Potassium	—	—	2,520 J	1,810 B	2,650 B	—	—	—	—		
Selenium	—	—	3.90 U	3.90 U	3.1 U	—	—	—	—		
Silver	—	—	0.30 B	0.30 U	0.40 U	—	—	—	—		
Sodium	—	—	2,190 J	1,930 B	2,300 B	—	—	—	—		
Thallium	—	—	2.3 B	4.6 B	1.8 U	—	—	—	—		
Vanadium	—	—	5.3 B	1.0 U	8.8 B	—	—	—	—		
Zinc	—	—	1.3 B	12.4 B	9.0 B	—	—	—	—		
Volatile Organic Compounds (VOCs)	—	—	BRL	BRL	BRL	—	—	—	—		
Semi-Volatile Organic Compounds (SVOCs)	—	—	BRL	BRL	BRL	—	—	—	—		
Pesticides / PCBs	—	—	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 µg/l)										
Compound	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**Apr-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]		Location Dry				Location Dry	Location Dry	Location Dry			
Aluminum	14.5 U	—	15.4 U	15.4 U	28.6 B	—	—	—	27 U		**200**
Antimony	2.4 U	—	2.4 U	2.4 U	1.6 U	—	—	—	4.8 U	**60**	**60**
Arsenic	2.4 U	—	2.4 U	2.4 U	2.5 U	—	—	—	3.6 U	**20**	**10**
Barium	29.7 B	—	31.1 B	5.6 B	9.5 J	—	—	—	9.5 J	**1,000**	**200**
Beryllium	0.10 U	—	0.10 U	0.10 U	0.10 U	—	—	—	2.3 U	**5**	**5**
Cadmium	0.10 U	—	0.10 U	0.10 U	0.10 U	—	—	—	0.2 U	**5**	**5**
Calcium	91,400	—	93,300	23,200	22,200 J	—	—	—	35800		**5,000**
Chromium	1.0 B	—	1.5 B	0.30 U	0.4 B	—	—	—	0.4 U	**11**	**10**
Cobalt	0.20 U	—	0.20 U	0.20 U	0.30 U	—	—	—	0.5 U		**50**
Copper	5.4 B	—	2.9 J	1.2 B	1.3 B	—	—	—	2.5 B	**25**	**25**
Iron	8.5 U	—	8.5 U	8.5 U	60.2 B	—	—	—	15.9 B	**7,000**	**100**
Lead	0.80 U	—	0.80 U	0.80 U	1.2 U	—	—	—	1.6 UJ	**4.2**	**3**
Magnesium	21,100	—	10,900	2,370 B	2,120 J	—	—	—	3970 B		**5,000**
Manganese	10.7 B	—	0.30 U	0.30 U	4.0 B	—	—	—	0.5 U		**15**
Mercury	0.10 U	—	0.10 U	0.10 U	0.10 UJ	—	—	—	0.1 U	**0.2**	**0.2**
Nickel	0.40 U	—	0.40 U	0.40 U	0.90 B	—	—	—	0.6 B	**96**	**40**
Potassium	5,970	—	2,080 B	2,060 B	7,440	—	—	—	3080 B		**5,000**
Selenium	3.9 U	—	3.9 UJ	3.9 U	3.1 U	—	—	—	3.3 U	**8.5**	**5**
Silver	0.30 U	—	0.30 U	0.30 U	0.40 U	—	—	—	0.5 U	**10**	**10**
Sodium	12,400	—	298 B	572 B	440 J	—	—	—	949 B		**5,000**
Thallium	3.1 B	—	1.7 U	4.0 B	3.4 B	—	—	—	1.5 UJ	**40**	**10**
Vanadium	6.1 B	—	2.3 B	1.0 U	0.80 U	—	—	—	1.0 U		**50**
Zinc	2.8 B	—	4.4 B	5.5 B	14.7 B	—	—	—	4.3 U	**86**	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	194.0 B	—	15.4 U	133 B	351	—	—	—	162 B		
Antimony	2.4 U	—	2.4 U	2.4 U	1.6 U	—	—	—	4.8 U		
Arsenic	2.4 U	—	2.4 U	2.4 U	2.5 UJ	—	—	—	3.6 U		
Barium	30.2 B	—	26.9 B	6.3 B	11.6 J	—	—	—	10.8 J		
Beryllium	0.10 U	—	0.10 U	0.10 U	0.10 U	—	—	—	2.3 U		
Cadmium	0.10 U	—	0.10 U	0.10 U	0.10 U	—	—	—	0.2 U		
Calcium	90,300	—	86,900	23,200	21,900 J	—	—	—	37500		
Chromium	1.3 B	—	0.90 B	0.40 B	0.70 B	—	—	—	0.4 B		
Cobalt	0.20 U	—	0.20 U	0.40 B	0.30 U	—	—	—	0.5 U		
Copper	5.3 B	—	2.0 J	1.1 B	2.3 B	—	—	—	6.6 B		
Cyanide	0.60 U	—	0.60 U	0.60 U	0.60 B	—	—	—	0.2 U	**10**	**10**
Iron	376	—	15.5 J	227	661	—	—	—	304		
Lead	0.80 U	—	0.80 U	0.90 B	2.2 B	—	—	—	1.6 UJ		
Magnesium	20,600	—	10,100	2,310 B	2,190 J	—	—	—	4210 B		
Manganese	22.3	—	0.3 U	1.8 B	29.7	—	—	—	6.7 B		
Mercury	0.10 U	—	0.10 U	0.10 U	0.10 U	—	—	—	0.1 U		
Nickel	0.40 U	—	0.40 U	0.40 U	1.4 UJ	—	—	—	0.4 U		
Potassium	5,900	—	1,970 J	2,080 B	7,630	—	—	—	3310 B		
Selenium	3.9 U	—	3.9 U	3.9 U	3.1 UJ	—	—	—	3.3 U		
Silver	0.30 U	—	0.30 U	0.30 U	0.40 U	—	—	—	0.5 U		
Sodium	12,100	—	65.0 J	557 B	352 J	—	—	—	739 B		
Thallium	3.2 B	—	1.7 U	1.7 U	2.6 B	—	—	—	1.5 UJ		
Vanadium	6.4 B	—	1.0 U	1.0 U	0.80 U	—	—	—	1.0 U		
Zinc	2.0 B	—	1.5 B	6.8 B	16.9 B	—	—	—	4.3 U		
Volatile Organic Compounds (VOCs)	BRL	—	BRL	BRL	BRL	—	—	—	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	—	BRL	BRL	BRL	—	—	—			
bis(2-ethylhexyl)phthalate	0.534 J	—	BRL	BRL	10 JB	—	—	—	**650**	**49**	**10**
Pesticides / PCBs	BRL	—	BRL	BRL	BRL	—	—	—	BRL		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) 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

	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										
Compound	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**Jun-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled		
Aluminum				15.6 B				35.3 B			200
Antimony				2.4 U				4.8 U		60	60
Arsenic				3.7 B				5.0 J		20	10
Barium				86.7 B				101 B		1,000	200
Beryllium				0.10 U				2.3 U		5	5
Cadmium				0.10 U				0.2 U		5	5
Calcium				119,000				122000			5,000
Chromium				0.30 U				2.1 B		11	10
Cobalt				0.20 U				0.5 U			50
Copper				1.6 B				4.9 B		25	25
Iron				**514.0**				**984**		7,000	100
Lead				1.80 B				1.6 UJ		4.2	3
Magnesium				25,900				30000			5,000
Manganese				96.1				232			15
Mercury				0.10 U				0.1 U		0.2	0.2
Nickel				0.40 U				0.4 U		96	40
Potassium				2,520 B				3640 B			5,000
Selenium				3.9 U				3.3 U		8.5	5
Silver				0.30 U				0.5 U		10	10
Sodium				15,700 B				101000			5,000
Thallium				6.7 B				1.5 R		40	10
Vanadium				1.0 U				1.0 U			50
Zinc				12.5 B				4.3 U		86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum				4,870 J				363 J			
Antimony				2.4 U				4.8 U			
Arsenic				2.4 UJ				4.3 J			
Barium				109 B				105 J			
Beryllium				0.20 B				2.3 U			
Cadmium				0.10 U				0.2 U			
Calcium				171,000				135000			
Chromium				8.2 B				3.2 B			
Cobalt				5.0 B				0.5 U			
Copper				9.9 B				5.6 B			
Cyanide				1.30 B				0.7 B		10	10
Iron				11,600				1900			
Lead				4.3 J				1.6 UJ			
Magnesium				35,000				33000			
Manganese				420				261			
Mercury				0.10 U				0.1 U			
Nickel				9.4 B				0.4 U			
Potassium				4,020 J				3780 J			
Selenium				3.9 U				3.3 R			
Silver				0.30 U				0.6 B			
Sodium				15,100				93800			
Thallium				1.9 B				1.5 UJ			
Vanadium				6.9 B				1.0 U			
Zinc				44.9 J				4.3 U			
Volatile Organic Compounds (VOCs)				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-26

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09		
Inorganics - Metals (Dissolved)[14]	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled		
Aluminum				19.0 B				26.9 U			**200**
Antimony				2.4 U				4.8 U		**60**	**60**
Arsenic				2.4 U				3.6 U		**20**	**10**
Barium				**290.0**				**780**		**1,000**	**200**
Beryllium				0.10 U				2.3 U		**5**	**5**
Cadmium				0.10 U				0.2 U		**5**	**5**
Calcium				79,200				67900			**5,000**
Chromium				0.30 U				2.6 B		**11**	**10**
Cobalt				0.40 B				0.5 U			**50**
Copper				1.8 B				5.5 B		**25**	**25**
Iron				42.8 B				68.4 B		**7,000**	**100**
Lead				1.10 B				1.6 UJ		**4.2**	**3**
Magnesium				40,900				36100			**5,000**
Manganese				64.1				77.7			**15**
Mercury				0.10 U				0.1 U		**0.2**	**0.2**
Nickel				0.40 U				0.4 U		**96**	**40**
Potassium				16,300				20,100			**5,000**
Selenium				3.9 U				3.3 UJ		**8.5**	**5**
Silver				0.30 U				0.5 U		**10**	**10**
Sodium				142,000				195,000			**5,000**
Thallium				5.0 B				1.5 R		**40**	**10**
Vanadium				1.0 U				1 U			**50**
Zinc				7.1 B				4.3 U		**86**	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum				192 J				92.4 J			
Antimony				2.4 U				4.8 U			
Arsenic				2.4 UJ				3.6 U			
Barium				287				859 J			
Beryllium				0.10 U				2.3 U			
Cadmium				0.10 U				0.2 U			
Calcium				82,700				73,600			
Chromium				1.1 B				2.8 B			
Cobalt				1.0 B				0.5 U			
Copper				5.6 B				6.0 B			
Cyanide				0.60 U				0.2 U		**10**	**10**
Iron				716				465			
Lead				0.80 UJ				1.6 U			
Magnesium				42,300				39200			
Manganese				80.2				88.5			
Mercury				0.10 U				0.1 U			
Nickel				0.70 B				0.4 U			
Potassium				17,100 J				21,900 J			
Selenium				3.9 U				3.3 R			
Silver				0.30 U				0.5 U			
Sodium				139,000				213,000			
Thallium				3.9 B				1.5 UJ			
Vanadium				1.0 U				1.0 U			
Zinc				15.4 J				4.3 U			
Volatile Organic Compounds (VOCs)				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-30

	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										
Compound	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**Jun-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled		
Aluminum				15.4 U				26.9 U			200
Antimony				2.4 U				4.8 U		60	60
Arsenic				2.6 B				3.6 U		20	10
Barium				188.0 B				**439**		1,000	200
Beryllium				0.10 U				2.3 U		5	5
Cadmium				0.10 U				0.2 U		5	5
Calcium				58,000				68900			5,000
Chromium				0.30 B				2.5 B		11	10
Cobalt				0.20 U				0.5 U			50
Copper				2.2 B				4.9 B		25	25
Iron				**127.0**				**342**		7,000	100
Lead				0.80 U				1.6 UJ		4.2	3
Magnesium				28,300				31400			5,000
Manganese				17.3				30.8			15
Mercury				0.10 U				0.1 U		0.2	0.2
Nickel				0.70 B				0.4 U		96	40
Potassium				12,200				12800			5,000
Selenium				3.9 U				3.3 UJ		8.5	5
Silver				0.30 U				0.5 B		10	10
Sodium				138,000				144000			5,000
Thallium				4.5 B				1.5 R		40	10
Vanadium				1.0 U				1.0 U			50
Zinc				7.7 B				4.3 U		86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum				15.4 UJ				57.7 J			
Antimony				2.4 U				4.8 U			
Arsenic				2.4 UJ				5.1 J			
Barium				201.0				495.0 J			
Beryllium				0.10 U				2.30 U			
Cadmium				0.10 U				0.20 U			
Calcium				61,100				74,000			
Chromium				0.50 B				2.00 B			
Cobalt				0.20 U				0.50 U			
Copper				4.3 B				5.4 B			
Cyanide				0.60 U				0.20 U		10	10
Iron				303				622			
Lead				0.80 UJ				1.60 UJ			
Magnesium				29,600				34,200			
Manganese				22.4				36.8			
Mercury				0.10 U				0.10 U			
Nickel				0.40 U				0.40 U			
Potassium				13,400 J				13,700 J			
Selenium				3.9 U				3.3 R			
Silver				0.30 U				0.70 B			
Sodium				145,000				153,000			
Thallium				3.9 B				1.5 UJ			
Vanadium				1.2 B				1.0 U			
Zinc				10.3 J				4.3 U			
Volatile Organic Compounds (VOCs)				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.

APPENDIX C

LABORATORY DATA VALIDATION REPORT

AECOM

APPENDIX C

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 111005

LABORATORY REPORT NUMBER 209061113

PROJECT MANAGER: Ron Roelker

Date: August 24, 2009

Data Validator: Mark Kromis

LIST OF ACRONYMS

BFB	Bromofluorobenzene
CC	Continuing Calibration
CCV	Continuing Calibration Verification
CCB	Continuing Calibration Blanks
CLP	Contract Laboratory Program
CRDL	Contract Required Detection Limit
DFTPP	Decafluorotriphenylphosphine
GC/MS	Gas Chromatograph/Mass Spectrometer
GCAL	Gulf Coast Analytical Laboratories
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 209061113 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2009 was conducted by AECOM using the National Functional Guidelines for Inorganic Data Review, (US EPA, June, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 209061113.

GCAL #	Sample Description
20906111301	SK-GW64-1030
20906111302	SK-GW65-1030
20906111303	SK-GW63-1030
20906111304	SK-GW62A-1030
20906111305	SK-GW62B-1030
20906111306	SK-FD-1030 (GW-63)
20906111307	SK-MS-1030 (GW-62A)
20906111309	SK-DUP-1030 (GW-62A)
20906111312	SK-GW64-1030 (DISS)
20906111313	SK-GW65-1030 (DISS)
20906111314	SK-GW63-1030 (DISS)
20906111315	SK-GW62A-1030 (DISS)
20906111316	SK-GW62B-1030 (DISS)
20906111317	SK-FD-1030 (GW-63) (DISS)
20906111318	SK-MS-1030 (GW-62A) (DISS)
20906111319	SK-DUP-1030 (GW-62A) (DISS)
20906111320	SK-GW61-1030
20906111321	SK-GW60-1030
20906111322	SK-GW06R-1030
20906111324	SK-GW61-1030 (DISS)
20906111325	SK-GW60-1030 (DISS)
20906111326	SK-GW06R-1030 (DISS)
20906111327	SK-GW07R-1030
20906111328	SK-GW58-1030
20906111329	SK-GW59-1030
20906111330	SK-GWFD-1030 (GW-58)
20906111332	SK-GW07R-1030 (DISS)
20906111333	SK-GW58-1030 (DISS)
20906111334	SK-GW59-1030 (DISS)
20906111335	SK-GWFD-1030 (GW-58) 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 the total and dissolved fractions from sample SK-DUP-1030 (GW-62A) 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-GW62A-1030 (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 Arsenic (126%) associated with the total fractions. As per the National Functional Guidelines, if the percent recovery is greater than less than 125% then qualify detected results for that analyte with "J".

8. ICP SERIAL DILUTION

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

9. SYSTEM PERFORMANCE

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

10. DOCUMENTATION

The start date listed on page 1071 of SDG 209061113 was incorrectly reported as 6/18/09 when it should have been reported as 8/4/09. The data validator manually made the correction.

011. OVERALL ASSESSMENT

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 6/18/09 were 108%, 146%, 117%, and 81%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 6/23/09 were 130%, 130%, and 127%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 6/23/09 were 123% and 132%.

As per the National Functional Guidelines, if the CRDL percent recovery is greater than 120% then detected results are qualified "J".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 209061113 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 June 2009 was conducted by AECOM using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 209061113.

GCAL #	Sample Description
20906111301	SK-GW64-1030
20906111303	SK-GW63-1030
20906111304	SK-GW62A-1030
20906111306	SK-FD-1030 (GW-63)
20906111307	SK-MS-1030 (GW-62A)
20906111308	SK-MSD-1030 (GW-62A)
20906111320	SK-GW61-1030
20906111322	SK-GW06R-1030
20906111327	SK-GW07R-1030
20906111328	SK-GW58-1030
20906111329	SK-GW59-1030
20906111330	SK-GWFD-1030 (GW-58)

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 AECOM 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. Three decafluorotriphenylphosphine (DFTPP) tunes were run representing the shift in which the standards and samples were analyzed. The DFTPP tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 6/12/09 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 was 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 (<30%) specified in the method for all target compounds.

B. Continuing Calibration

Two Continuing Calibrations (CCs) dated 6/15/09 and 6/16/09 were analyzed in support of the semivolatile sample analyses reported in the data submissions. The RRFs for the CCs were 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%).

4. BLANKS

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

<u>Method Blank (MB732425)</u>

Diethylphthalate was detected at a concentration of 2 ppb in the method blank extracted on 6/11/09.

<u>Method Blank (MB733112)</u>

Diethylphthalate (1 ppb) and bis(2-ethylhexyl)phthalate (2 ppb) were detected at a concentration of in the method blank extracted on 6/15/09.

5. SYSTEM MONITORING COMPOUND RECOVERY

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

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

Sample SK-GW62A-1030 was submitted for MS/MSD analysis. The MS/MSD percent recoveries are within the acceptance criteria with the exception of 4-Nitrophenol associated with the MSD. All of the RPDs between the MS and MSD were within the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas 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 IF 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

It should be noted that bis(2-ethylhexyl)phthalate is a common laboratory contaminant. Bis(2-ethylhexyl)phthalate was detected in some of the samples but not in the associated method blanks therefore the end data user should review the historical data and use the results for bis(2-ethylhexyl)phthalate accordingly. The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 209061113 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 June 2009 was conducted by AECOM using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 209061113.

GCAL #	Sample Description
20906111301	SK-GW64-1030
20906111302	SK-GW65-1030
20906111303	SK-GW63-1030
20906111304	SK-GW62A-1030
20906111305	SK-GW62B-1030
20906111306	SK-FD-1030 (GW-63)
20906111307	SK-MS-1030 (GW-62A)
20906111308	SK-MSD-1030 (GW-62A)
20906111310	SK-TB-1030
20906111311	VHBLK
20906111320	SK-GW61-1030
20906111321	SK-GW60-1030
20906111322	SK-GW06R-1030
20906111323	SK-TB-1030
20906111327	SK-GW07R-1030
20906111328	SK-GW58-1030
20906111329	SK-GW59-1030
20906111330	SK-GWFD-1030 (GW-58)
20906111331	SK-TB-1030

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 AECOM for data validation.

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

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

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

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

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

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

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

13. Overall Assessment

1. HOLDING TIMES

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

2. GC/MS TUNING

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

3. CALIBRATION

A. Initial Calibration

One IC dated 6/16/09 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 ICs were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. 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 CC's dated 6/16/09 and 6/17/09 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 were within the acceptance criteria for all target compounds with the exception of Acetone and 2-Butanone. Acetone and 2-Butanone were previously qualified under the section titled "Initial Calibration" therefore further data qualification was not warranted.

4. BLANKS

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

MB733494

Chloroform (0.43 ppb) was detected in method blank MB733494 analyzed on 6/16/09 (1338).

MB733687

Chloroform (0.47 ppb) was detected in method blank MB733687 analyzed on 6/17/09 (0924).

Storage Blank (VHBLK)

Chloroform (0.47 ppb) was detected in method blank Storage Blank analyzed on 6/17/09 (1147).

Trip Blank (SK-TB-1030)

There were no target compounds detected in the Trip Blank collected on 6/10/09.

Trip Blank (SK-TB-1030)

Methylene chloride (1.1 ppb) and 2-Butanone (3.3 ppb) were detected in the Trip Blank collected on 6/11/09.

Trip Blank (SK-TB-1030)

There were no target compounds detected in the Trip Blank collected on 6/12/09.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds (SMC) were recovered within acceptable control limits (80%-120%) with the exception of 4-Bromofluorobenzene associated with samples SK-GW64-1030 (121%) and SK-GW07R-1030 (130%). As per the National Functional Guidelines: if the SMC has a recovery greater than the upper acceptance limit then detected compounds are qualified as estimated "J".

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW62A-1030 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 with the exception of 1,4-Difluorobenzene (area count low) associated with sample SK-GW07R-1030 analyzed on 6/17/09. As per the National Functional Guidelines: if the IS area count is below the acceptance limits then qualify detected results as estimated "J" and non-detected results with "UJ".

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

Sample SK-GW07R-1030 was re-analyzed on 6/17/09 because the initial analysis dated 6/16/09 was analyzed outside of the 12-hour tune period. Both sets of data have been reported by GCAL. The data validator recommends using the analytical data from the run dated 6/17/09 for reporting purposes. The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 209061113 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 June 2009 was conducted by AECOM using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 209061113.

GCAL #	Sample Description
20906111301	SK-GW64-1030
20906111303	SK-GW63-1030
20906111304	SK-GW62A-1030
20906111306	SK-FD-1030 (GW-63)
20906111307	SK-MS-1030 (GW-62A)
20906111308	SK-MSD-1030 (GW-62A)
20906111320	SK-GW61-1030
20906111321	SK-GW60-1030
20906111322	SK-GW06R-1030
20906111327	SK-GW07R-1030
20906111328	SK-GW58-1030
20906111329	SK-GW59-1030
20906111330	SK-GWFD-1030 (GW-58)
20906111336	SK-FD-1030 (GW-63) RE

INTRODUCTION

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

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

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

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

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

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

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

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

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

1. HOLDING TIMES

The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C. All samples were initially extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time. Sample SK-FD-1030 (GW-63) was re-extracted outside of the recommended holding time due to low surrogate associated with the initial extraction of sample SK-FD-1030 (GW-63). Both sets of data have been reported by GCAL. As per the National Functional Guidelines, if the technical holding times are exceeded then qualify detected results with "J", The data validator recommends using the analytical data from the run dated 6/25/09 for reporting purposes.

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 PEMs was within the acceptance criteria of ±25.0 percent for the calibration verifications.

5. BLANKS

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

Method Blank MB732724

No constituents were reported by GCAL for the method blank extracted on 6/12/09.

Method Blank MB733306

No constituents were reported by GCAL for the method blank extracted on 6/16/09.

Method Blank MB735731

No constituents were reported by GCAL for the method blank extracted on 6/24/09.

6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples with the exception of DCB (5%) and TCX (6%) associated with sample SK-FD-1030 (GW-63). As per the National Functional Guidelines, if either pesticide surrogate recovery is less than 10% then qualify detected results with "J" and non-detected results are rejected "R". Sample SK-FD-1030 (GW-63) was re-extracted due to low surrogate associated with the initial extraction of sample SK-FD-1030 (GW-63). Both sets of data have been reported by GCAL.

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW62A-1030 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 (47%, 48%), endrin (54%, 54%) and gamma-BHC (47%, 49%) in the MS/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 with the validator-added qualifiers.

REFERENCES

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

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

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 07/27/2009

GCAL Report 209061113

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-2nd Qtr 2009

CASE NARRATIVE

Client: Earth Tech **Report:** 209061113

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.

VOLATILES MASS SPECTROMETRY

In the OLC02.1 - CLP Volatiles analysis, sample 20906111327 (SK-GW07R-1030) was originally analyzed in analytical batch 413506. The analysis was performed outside the 12-hour tune window. The sample was re-analyzed in analytical batch 413549 but exhibited recovery failures for the surrogate, 4-Bromofluorobenzene and the internal standard, 1,4-Dichlorobenzene. No additional sample volume was available to perform another analysis. The client was notified about these issues and requested that both analyses be included in the report.

In the OLC02.1 - CLP Volatiles analysis, the recovery for the surrogate 4-Bromofluorobenzene is above the upper control limit for sample 20906111301 (SK-GW64-1030). No target compounds were detected in the sample.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 413256, the MSD recovery for 4-Nitrophenol is above the upper control limit.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis, sample 20906111306 (SK-FD-1030 (GW-63)) exhibited low surrogate recoveries in the original analysis. This sample was re-extracted outside the holding time and re-analyzed with acceptable surrogate recoveries. The re-analysis is reported as sample 20906111336 (SK-FD-1030 (GW-63) RE).

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 413322, the MS/MSD exhibited recovery failures.

METALS

The dissolved concentrations of Barium, Calcium, Cobalt, Potassium, Magnesium, Manganese, Nickel, Sodium, and Zinc are greater than the total concentrations of these elements in sample 20906111326 (GW06R). This is attributed to separate aliquots of sample.

The dissolved concentrations of Calcium, Magnesium, and Sodium are greater than the total concentrations of these elements in samples 20906111317 (GW63 FD) and 20906111325 (GW60). This is attributed to separate aliquots of sample. This is attributed to separate aliquots of sample.

Dissolved Arsenic, Calcium, Magnesium, Manganese, Thallium and Sodium are greater than total Arsenic, Calcium, Magnesium, Manganese, Thallium and Sodium in samples 2090611314 (GW63) and 20906111332 (GW07R). This is attributed to separate aliquots of the samples.

The dissolved concentrations of Barium, Cobalt, Calcium, Magnesium, Manganese, Potassium, and Sodium are greater than the total concentrations of these elements in sample 20906111324 (GW61). This is attributed to separate aliquots of the sample.

The dissolved concentrations of Lead, Magnesium, Potassium, and Sodium are greater than the total concentrations of these elements in sample 20906111315 (GW62). This is attributed to separate aliquots of the sample.

The dissolved concentrations of Magnesium, Manganese, Nickel, Potassium, Vanadium, and Sodium are greater than the total concentrations of these elements in sample 20906111312 (GW64). This is attributed to separate aliquots of the sample.

The dissolved concentrations of Magnesium and Potassium are greater than the total concentrations of these elements in sample 20906111319 (SK-DUP-1030). This is attributed to separate aliquots of the sample.

Dissolved Thallium is greater than the total concentration of this element in sample 20906111313 (SK-GW65-1030 (DISS)). This is attributed to separate aliquots of the sample.

In the ILM04.1 - CLP Metals analysis for prep batch 413313, the MS recovery is outside the control limits for Arsenic. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with a recovery of 133%. Iron and Manganese 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.

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 NELAC standard and 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.

Robyn Migues
Technical Director
GCAL REPORT 209061113

THIS REPORT CONTAINS 1226 PAGES.

Report Sample Summary

AL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20906111301	SK-GW64-1030	Water	06/10/2009 11:50	06/11/2009 09:25
20906111302	SK-GW65-1030	Water	06/10/2009 11:20	06/11/2009 09:25
20906111303	SK-GW63-1030	Water	06/10/2009 12:10	06/11/2009 09:25
20906111304	SK-GW62A-1030	Water	06/10/2009 12:40	06/11/2009 09:25
20906111305	SK-GW62B-1030	Water	06/10/2009 13:20	06/11/2009 09:25
20906111306	SK-FD-1030 (GW-63)	Water	06/10/2009 00:00	06/11/2009 09:25
20906111307	SK-MS-1030 (GW-62A)	Water	06/10/2009 00:00	06/11/2009 09:25
20906111308	SK-MSD-1030 (GW-62A)	Water	06/10/2009 00:00	06/11/2009 09:25
20906111309	SK-DUP-1030 (GW-62A)	Water	06/10/2009 00:00	06/11/2009 09:25
20906111310	SK-TB-1030	Water	06/10/2009 00:00	06/11/2009 09:25
20906111311	VHBLK	Water	06/10/2009 00:00	06/11/2009 09:25
20906111312	SK-GW64-1030 (DISS)	Water	06/10/2009 11:50	06/11/2009 09:25
20906111313	SK-GW65-1030 (DISS)	Water	06/10/2009 11:20	06/11/2009 09:25
20906111314	SK-GW63-1030 (DISS)	Water	06/10/2009 12:10	06/11/2009 09:25
20906111315	SK-GW62A-1030 (DISS)	Water	06/10/2009 12:40	06/11/2009 09:25
20906111316	SK-GW62B-1030 (DISS)	Water	06/10/2009 13:20	06/11/2009 09:25
20906111317	SK-FD-1030 (GW63) DISS	Water	06/10/2009 00:00	06/11/2009 09:25
20906111318	SK-MS-1030 (GW62A) DISS	Water	06/10/2009 00:00	06/11/2009 09:25
20906111319	SK-DUP-1030 (GW62A) DISS	Water	06/10/2009 00:00	06/11/2009 09:25
20906111320	SK-GW61-1030	Water	06/11/2009 13:20	06/12/2009 09:17
20906111321	SK-GW60-1030	Water	06/11/2009 13:40	06/12/2009 09:17
20906111322	SK-GW06R-1030	Water	06/11/2009 14:10	06/12/2009 09:17
06111323	SK-TB-1030	Water	06/11/2009 00:00	06/12/2009 09:17
06111324	SK-GW61-1030 (DISS)	Water	06/11/2009 13:20	06/12/2009 09:17
20906111325	SK-GW60-1030 (DISS)	Water	06/11/2009 13:40	06/12/2009 09:17
20906111326	SK-GW06R-1030 (DISS)	Water	06/11/2009 14:10	06/12/2009 09:17
20906111327	SK-GW07R-1030	Water	06/12/2009 11:30	06/13/2009 09:20
20906111328	SK-GW58-1030	Water	06/12/2009 11:55	06/13/2009 09:20
20906111329	SK-GW59-1030	Water	06/12/2009 12:20	06/13/2009 09:20
20906111330	SK-GWFD-1030 (GW-58)	Water	06/12/2009 00:00	06/13/2009 09:20
20906111331	SK-TB-1030	Water	06/12/2009 00:00	06/13/2009 09:20
20906111332	SK-GW07R-1030 (DISS)	Water	06/12/2009 11:30	06/13/2009 09:20
20906111333	SK-GW58-1030 (DISS)	Water	06/12/2009 11:55	06/13/2009 09:20
20906111334	SK-GW59-1030 (DISS)	Water	06/12/2009 12:20	06/13/2009 09:20
20906111335	SK-GWFD-1030 (GW-58) DISS	Water	06/12/2009 00:00	06/13/2009 09:20
20906111336	SK-FD-1030 (GW-63) RE	Water	06/10/2009 00:00	06/11/2009 09:25

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW64-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111301

Level: (low/med) Lab File ID: 2090616/z2532

% Moisture: not dec. Date Collected: 06/10/09 Time: 1150

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1753

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

8/27/09 MSH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW64-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111301

Level: (low/med) Lab File ID: 2090616/z2532

% Moisture: not dec. Date Collected: 06/10/09 Time: 1150

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1753

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

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-GW64-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111301

Sample wt/vol: Units: Lab File ID: 2090616/z2532T

Level: (low/med) Date Collected: 06/10/09 Time: 1150

% Moisture: not dec. Date Received: 06/11/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 1753

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

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	4.741	.884	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW65-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111302

Level: (low/med) Lab File ID: 2090616/z2533

% Moisture: not dec. Date Collected: 06/10/09 Time: 1120

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1820

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW65-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111302

Level: (low/med) Lab File ID: 2090616/z2533

% Moisture: not dec. Date Collected: 06/10/09 Time: 1120

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1820

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

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-GW65-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111302

Sample wt/vol: Units: Lab File ID: 2090616/z2533T

Level: (low/med) Date Collected: 06/10/09 Time: 1120

% Moisture: not dec. Date Received: 06/11/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 1820

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: *10*

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	3.464	.659	
2.	2207-01-4	Cyclohexane, 1,2-dimethyl-, ciS-	13.635	.159	
3.		Unknown	7.512	.254	
4.	4170-30-3	2-Butenal	8.673	.228	
5.	14919-01-8	3-Octene, (E)-	9.366	.519	
6.		Unknown	10.82	.162	
7.		Unknown	10.994	.121	
8.		Unknown	12.227	.219	
9.	13389-42-9	2-Octene, (E)-	12.294	.54	
10.	61847-80-1	1-Pentene, 3-ethyl-4-methyl-	12.854	.361	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111303

Level: (low/med) Lab File ID: 2090616/z2534

% Moisture: not dec. Date Collected: 06/10/09 Time: 1210

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1848

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111303

Level: (low/med) Lab File ID: 2090616/z2534

% Moisture: not dec. Date Collected: 06/10/09 Time: 1210

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1848

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW63-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111303

Sample wt/vol: Units: Lab File ID: 2090616/z2534T

Level: (low/med) Date Collected: 06/10/09 Time: 1210

% Moisture: not dec. Date Received: 06/11/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 1848

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 12

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	7.332	.195	
2.		Unknown	13.394	.244	
3.		Unknown	13.728	.711	
4.		Unknown	14.095	.386	
5.		Unknown	7.365	.194	
6.		Unknown	7.939	.322	
7.		Unknown	8.019	.195	
8.		Unknown	9.239	.834	
9.		Unknown	9.399	.203	
10.		Unknown	9.96	.381	
11.		Unknown	10.367	.224	
12.		Unknown	12.281	.596	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62A-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111304

Level: (low/med) Lab File ID: 2090617/z2565

% Moisture: not dec. Date Collected: 06/10/09 Time: 1240

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1705

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62A-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111304

Level: (low/med) Lab File ID: 2090617/z2565

% Moisture: not dec. Date Collected: 06/10/09 Time: 1240

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1705

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW62A-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111304

Sample wt/vol: Units: Lab File ID: 2090617/z2565T

Level: (low/med) Date Collected: 06/10/09 Time: 1240

% Moisture: not dec. Date Received: 06/11/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/17/09 Time: 1705

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62B-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111305

Level: (low/med) Lab File ID: 2090616/z2535

% Moisture: not dec. Date Collected: 06/10/09 Time: 1320

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1914

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62B-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111305

Level: (low/med) Lab File ID: 2090616/z2535

% Moisture: not dec. Date Collected: 06/10/09 Time: 1320

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1914

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW62B-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111305

Sample wt/vol: Units: Lab File ID: 2090616/z2535T

Level: (low/med) Date Collected: 06/10/09 Time: 1320

% Moisture: not dec. Date Received: 06/11/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 1914

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 12

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	2.959	.305	
2.		Unknown	13.85	.308	
3.		Unknown	13.85	.308	
4.		Unknown	13.944	.188	
5.		Unknown	3.953	.304	
6.	123-91-1	1,4-Dioxane	7.708	.354	
7.		Unknown	8.082	.188	
8.		Unknown	8.142	.139	
9.		Unknown	9.335	.11	
10.		Unknown	10.796	.151	
11.		Unknown	11.036	.207	
12.		Unknown	11.236	.187	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1030 (GW-63)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111306

Level: (low/med) Lab File ID: 2090616/z2536

% Moisture: not dec. Date Collected: 06/10/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1941

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

8/27/09 MCL

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1030 (GW-63)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111306

Level: (low/med) Lab File ID: 2090616/z2536

% Moisture: not dec. Date Collected: 06/10/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1941

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-FD-1030 (GW-63)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111306

Sample wt/vol: Units: Lab File ID: 2090616/z2536T

Level: (low/med) Date Collected: 06/10/09 Time: 0000

% Moisture: not dec. Date Received: 06/11/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 1941

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

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	10.773	.161	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MS-1030 (GW-62A)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111307

Level: (low/med) Lab File ID: 2090617/z2555

% Moisture: not dec. Date Collected: 06/10/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1213

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.3		0.010	1.0
106-93-4	1,2-Dibromoethane	5.6		0.010	1.0
107-06-2	1,2-Dichloroethane	5.1		0.010	1.0
78-87-5	1,2-Dichloropropane	5.1		0.010	1.0
106-46-7	1,4-Dichlorobenzene	4.8		0.010	1.0
71-43-2	Benzene	5.0		0.010	1.0
75-25-2	Bromoform	4.5		0.010	1.0
56-23-5	Carbon tetrachloride	4.9		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.1		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	5.2		0.010	1.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MSD-1030 (GW-62A)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

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

Lab Sample ID: 20906111308

Level: (low/med)

Lab File ID: 2090617/z2556

% Moisture: not dec.

Date Collected: 06/10/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm)

Date Received: 06/11/09

Instrument ID: MSV0

Date Analyzed: 06/17/09 Time: 1239

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: WAS

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.3		0.010	1.0
106-93-4	1,2-Dibromoethane	5.7		0.010	1.0
107-06-2	1,2-Dichloroethane	5.1		0.010	1.0
78-87-5	1,2-Dichloropropane	5.6		0.010	1.0
106-46-7	1,4-Dichlorobenzene	4.8		0.010	1.0
71-43-2	Benzene	5.1		0.010	1.0
75-25-2	Bromoform	4.9		0.010	1.0
56-23-5	Carbon tetrachloride	4.9		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.3		0.010	1.0
127-18-4	Tetrachloroethene	5.0		0.010	1.0
79-01-6	Trichloroethene	4.9		0.010	1.0
75-01-4	Vinyl chloride	4.8		0.010	1.0

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111310

Level: (low/med) Lab File ID: 2090616/z2537

% Moisture: not dec. Date Collected: 06/10/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 2007

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111310

Level: (low/med) Lab File ID: 2090616/z2537

% Moisture: not dec. Date Collected: 06/10/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/11/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 2007

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111310

Sample wt/vol: Units: Lab File ID: 2090616/z2537T

Level: (low/med) Date Collected: 06/10/09 Time: 0000

% Moisture: not dec. Date Received: 06/11/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 2007

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 3

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	13.667	.139	
2.		Unknown	14.36	.136	
3.		Unknown	14.434	.102	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW61-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111320

Level: (low/med) Lab File ID: 2090616/z2538

% Moisture: not dec. Date Collected: 06/11/09 Time: 1320

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/12/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 2034

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

8/27/09 MSL

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW61-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111320

Level: (low/med) Lab File ID: 2090616/z2538

% Moisture: not dec. Date Collected: 06/11/09 Time: 1320

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/12/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 2034

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SK-GW61-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111320

Sample wt/vol: Units: Lab File ID: 2090616/z2538T

Level: (low/med) Date Collected: 06/11/09 Time: 1320

% Moisture: not dec. Date Received: 06/12/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 2034

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

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	4.184	.537	
2.		Unknown	7.706	.252	
3.	556-67-2	Cyclotetrasiloxane, octamethyl-	10.487	.136	
4.		Unknown	13.495	.218	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW60-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111321

Level: (low/med) Lab File ID: 2090616/z2539

% Moisture: not dec. Date Collected: 06/11/09 Time: 1340

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/12/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 2100

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

8/27/09 MSK

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW60-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111321

Level: (low/med) Lab File ID: 2090616/z2539

% Moisture: not dec. Date Collected: 06/11/09 Time: 1340

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/12/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 2100

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW60-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111321

Sample wt/vol: Units: Lab File ID: 20906l6/z2539T

Level: (low/med) Date Collected: 06/11/09 Time: 1340

% Moisture: not dec. Date Received: 06/12/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 2100

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW06R-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111322

Level: (low/med) Lab File ID: 2090616/z2540

% Moisture: not dec. Date Collected: 06/11/09 Time: 1410

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/12/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 2125

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

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	11		0.010	5.0	J
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

FORM I VOA

8/29/09 MK

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW06R-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111322

Level: (low/med) Lab File ID: 2090616/z2540

% Moisture: not dec. Date Collected: 06/11/09 Time: 1410

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/12/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 2125

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW06R-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111322

Sample wt/vol: Units: Lab File ID: 2090616/z2540T

Level: (low/med) Date Collected: 06/11/09 Time: 1410

% Moisture: not dec. Date Received: 06/12/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 2125

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 6

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	96-37-7	Cyclopentane, methyl-	4.988	.388	
2.		Unknown	7.202	.071	
3.		Unknown	7.309	.093	
4.		Unknown	7.862	.202	
5.		Unknown	9.503	.107	
6.	112-40-3	Dodecane	11.744	.363	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111323

Level: (low/med) Lab File ID: 2090617/z2563

% Moisture: not dec. Date Collected: 06/11/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/12/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1609

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

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

FORM I VOA

8/27/09 MR

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

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

Lab Sample ID: 20906111323

Level: (low/med)

Lab File ID: 2090617/z2563

% Moisture: not dec.

Date Collected: 06/11/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm)

Date Received: 06/12/09

Instrument ID: MSV0

Date Analyzed: 06/17/09 Time: 1609

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: WAS

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	1.1	J	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111323

Sample wt/vol: Units: Lab File ID: 2090617/z2563T

Level: (low/med) Date Collected: 06/11/09 Time: 0000

% Moisture: not dec. Date Received: 06/12/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/17/09 Time: 1609

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 8

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	7.742	.127	
2.		Unknown	8.795	.143	
3.		Unknown	9.336	.156	
4.		Unknown	10.436	.182	
5.		Unknown	10.489	.135	
6.		Unknown	12.297	.102	
7.		Unknown	12.517	.211	
8.		Unknown	14.744	.033	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW07R-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111327

Level: (low/med) Lab File ID: 2090616/z2542

% Moisture: not dec. Date Collected: 06/12/09 Time: 1130

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 2216

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

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	UJ
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0	
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0	
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0	
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0	
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	UJ
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	UJ
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	UJ
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0	
108-90-7	Chlorobenzene	1.0	U	0.010	1.0	
75-00-3	Chloroethane	1.0	U	0.010	1.0	
67-66-3	Chloroform	1.0	U	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

8/27/09 AM

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW07R-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111327

Level: (low/med) Lab File ID: 2090616/z2542

% Moisture: not dec. Date Collected: 06/12/09 Time: 1130

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 2216

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

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

4J

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW07R-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111327

Level: (low/med) Lab File ID: 2090617/z2564

% Moisture: not dec. Date Collected: 06/12/09 Time: 1130

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1637

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

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	UJ
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0	UJ
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	UJ
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0	
78-93-3	2-Butanone	5.0	U	0.010	5.0	R
591-78-6	2-Hexanone	5.0	U	0.010	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0	
67-64-1	Acetone	5.0	U	0.010	5.0	R
71-43-2	Benzene	1.0	U	0.010	1.0	
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0	
75-25-2	Bromoform	1.0	U	0.010	1.0	
74-83-9	Bromomethane	1.0	U	0.010	1.0	UJ
75-15-0	Carbon disulfide	1.0	U	0.010	1.0	UJ
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	UJ
67-66-3	Chloroform	1.0	U	0.010	1.0	UJ
74-87-3	Chloromethane	1.0	U	0.010	1.0	UJ
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

8/28/09

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW07R-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111327

Level: (low/med) Lab File ID: 2090617/z2564

% Moisture: not dec. Date Collected: 06/12/09 Time: 1130

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1637

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

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	UJ
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	UJ
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-GW07R-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111327

Sample wt/vol: Units: Lab File ID: 2090617/z2564T

Level: (low/med) Date Collected: 06/12/09 Time: 1130

% Moisture: not dec. Date Received: 06/13/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/17/09 Time: 1637

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 5

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	2.743	.625	
2.		Unknown	3.504	.633	
3.		Unknown	8.199	.196	
4.		Unknown	8.786	.27	
5.		Unknown	14.675	.194	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111328

Level: (low/med) Lab File ID: 2090617/z2558

% Moisture: not dec. Date Collected: 06/12/09 Time: 1155

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1331

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111328

Level: (low/med) Lab File ID: 2090617/z2558

% Moisture: not dec. Date Collected: 06/12/09 Time: 1155

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1331

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW58-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111328

Sample wt/vol: Units: Lab File ID: 2090617/z2558T

Level: (low/med) Date Collected: 06/12/09 Time: 1155

% Moisture: not dec. Date Received: 06/13/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/17/09 Time: 1331

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW59-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

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

Lab Sample ID: 20906111329

Level: (low/med)

Lab File ID: 2090617/z2559

% Moisture: not dec.

Date Collected: 06/12/09 Time: 1220

GC Column: RTX-VMS-30 ID: .25 (mm)

Date Received: 06/13/09

Instrument ID: MSV0

Date Analyzed: 06/17/09 Time: 1358

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: WAS

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW59-1030

Lab Name: GCAL **Contract:**

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111329

Level: (low/med) Lab File ID: 2090617/z2559

% Moisture: not dec. Date Collected: 06/12/09 Time: 1220

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1358

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW59-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111329

Sample wt/vol: Units: Lab File ID: 2090617/z2559T

Level: (low/med) Date Collected: 06/12/09 Time: 1220

% Moisture: not dec. Date Received: 06/13/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/17/09 Time: 1358

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GWFD-1030 (GW-58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111330

Level: (low/med) Lab File ID: 2090617/z2560

% Moisture: not dec. Date Collected: 06/12/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1447

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GWFD-1030 (GW-58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111330

Level: (low/med) Lab File ID: 2090617/z2560

% Moisture: not dec. Date Collected: 06/12/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1447

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GWFD-1030 (GW-58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111330

Sample wt/vol: Units: Lab File ID: 2090617/z2560T

Level: (low/med) Date Collected: 06/12/09 Time: 0000

% Moisture: not dec. Date Received: 06/13/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/17/09 Time: 1447

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

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	13.468	.177	
2.		Unknown	13.541	.231	
3.		Unknown	14.055	.147	
4.		Unknown	14.748	.2	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111331

Level: (low/med) Lab File ID: 2090617/z2561

% Moisture: not dec. Date Collected: 06/12/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1514

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

8/28/09 MCM

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906111331

Level: (low/med) Lab File ID: 2090617/z2561

% Moisture: not dec. Date Collected: 06/12/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/13/09

Instrument ID: MSV0 Date Analyzed: 06/17/09 Time: 1514

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413549

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: Water Lab Sample ID: 20906111331

Sample wt/vol: Units: Lab File ID: 2090617/z2561T

Level: (low/med) Date Collected: 06/12/09 Time: 0000

% Moisture: not dec. Date Received: 06/13/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/17/09 Time: 1514

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 12

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	2.979	.556	
2.		Unknown	11.716	.173	
3.		Unknown	11.969	.293	
4.		Unknown	12.329	.421	
5.		Unknown	14.057	.275	
6.		Unknown	3.599	.448	
7.		Unknown	4.586	.507	
8.		Unknown	6.747	.188	
9.		Unknown	7.187	.146	
10.		Unknown	9.275	.221	
11.		Unknown	9.862	.154	
12.		Unknown	10.022	.222	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW64-1030

Contract:

Lab File ID: 2090615/d5005

Lab Sample ID: 20906111301

Date Collected: 06/10/09 Time: 1150

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1057

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

CONCENTRATION UNITS: ug/L

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.: 209061113

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-GW64-1030

Contract:

Lab File ID: 2090615/d5005

Lab Sample ID: 20906111301

Date Collected: 06/10/09 Time: 1150

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1057

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	2	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 ~~0.6~~	JB	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	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

LL

FORM I SV-1

8/25/09

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 209061113
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-GW64-1030
Contract:
Lab File ID: 2090615/d5005
Lab Sample ID: 20906111301
Date Collected: 06/10/09 Time: 1150
Date Received: 06/11/09
Date Extracted: 06/11/09
Date Analyzed: 06/15/09 Time: 1057
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV4
Prep Batch: 413256 Analytical Batch: 413406

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW64-1030

Contract:

Lab File ID: 2090615/d5005

Lab Sample ID: 20906111301

Date Collected: 06/10/09 Time: 1150

Date Received: 06/11/09

Date Extracted: 6/11/09

Date Analyzed: 06/15/09 Time: 1057

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVSA

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.	26456-76-8	2-Hexene, 3,5,5-trimethyl-	.446	5.46	
2.		Unknown	4.987	.535	
3.		Unknown	.473	1.93	
4.		Unknown	.489	2.61	
5.		Unknown	.783	.692	
6.		Unknown	.896	.316	
7.	4359-46-0	1,3-Dioxolane, 2-ethyl-4-methyl-	1.04	11.6	
8.		Unknown	1.184	.402	
9.		Unknown	1.195	.542	
10.		Unknown	4.148	.377	

8/28/09 MM

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW63-1030

Contract:

Lab File ID: 2090615/d5006

Lab Sample ID: 20906111303

Date Collected: 06/10/09 Time: 1210

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1112

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061113

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-GW63-1030

Contract:

Lab File ID: 2090615/d5006

Lab Sample ID: 20906111303

Date Collected: 06/10/09 Time: 1210

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1112

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	17		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 ~~0.6~~	JB	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	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

U

FORM I SV-1

8/28/09 DGC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW63-1030

Contract:

Lab File ID: 2090615/d5006

Lab Sample ID: 20906111303

Date Collected: 06/10/09 Time: 1210

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1112

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061113
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-GW63-1030
Contract:
Lab File ID: 2090615/d5006
Lab Sample ID: 20906111303
Date Collected: 06/10/09 Time: 1210
Date Received: 06/11/09
Date Extracted: 6/11/09
Date Analyzed: 06/15/09 Time: 1112
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 SOPA
Analytical Method: ~~SW-846-8270C~~ OLM 04.2
Instrument ID: MSSV4

Number TICs Found : 10

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	26456-76-8	2-Hexene, 3,5,5-trimethyl-	.452	1.04	
2.		Unknown	4.661	1.37	
3.	150-86-7	Phytol	.478	1.5	
4.	616-12-6	2-Pentene, 3-methyl-, (E)-	.772	1.1	
5.	1556-18-9	Cyclopentane, iodo-	.863	1.75	
6.		Unknown	2.029	9.48	
7.		Unknown	2.206	16.6	
8.		Unknown	2.548	1.03	
9.		Unknown	3.088	2.23	
10.	115-28-6	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic	4.174	3.5	

8/28/09 MR

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-1030

Contract:

Lab File ID: 2090615/d5011

Lab Sample ID: 20906111304

Date Collected: 06/10/09 Time: 1240

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1504

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061113

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-1030

Contract:

Lab File ID: 2090615/d5011

Lab Sample ID: 20906111304

Date Collected: 06/10/09 Time: 1240

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1504

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	3	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 ~~1~~	JB	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	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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FORM I SV-1

8/28/09
MSL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-1030

Contract:

Lab File ID: 2090615/d5011

Lab Sample ID: 20906111304

Date Collected: 06/10/09 Time: 1240

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1504

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061113

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-1030

Contract:

Lab File ID: 2090615/d5011

Lab Sample ID: 20906111304

Date Collected: 06/10/09 Time: 1240

Date Received: 06/11/09

Date Extracted: 6/11/09

Date Analyzed: 06/15/09 Time: 1504

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM 4.2 SVOA

Analytical Method: SW-846 8270C OLM 0 4.2

Instrument ID: MSSV4

Number TICs Found : 10

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	40467-04-7	2-Hexene, 2,5,5-trimethyl-	.451	4.48	
2.		Unknown	4.666	2.59	
3.		Unknown	.494	2.06	
4.	111-46-6	Ethanol, 2,2'-oxybis-	1.018	5.19	
5.	149-57-5	Hexanoic acid, 2-ethyl-	1.74	44.6	
6.		Unknown	2.083	6.83	
7.		Unknown	2.136	3.88	
8.		Unknown	2.2	9.86	
9.		Unknown	2.222	5.58	
10.	59-48-3	2H-Indol-2-one, 1,3-dihydro-	3.003	1.73	

FORM I SV-TIC

8/25/09

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-1030 (GW-63)

Contract:

Lab File ID: 2090615/d5008

Lab Sample ID: 20906111306

Date Collected: 06/10/09 Time: 0000

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1143

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061113

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-1030 (GW-63)

Contract:

Lab File ID: 2090615/d5008

Lab Sample ID: 20906111306

Date Collected: 06/10/09 Time: 0000

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1143

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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	1 ~~0.9~~	JB	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	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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FORM I SV-1

8/28/09

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-1030 (GW-63)

Contract:

Lab File ID: 2090615/d5008

Lab Sample ID: 20906111306

Date Collected: 06/10/09 Time: 0000

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1143

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061113
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-1030 (GW-63)
Contract:
Lab File ID: 2090615/d5008
Lab Sample ID: 20906111306
Date Collected: 06/10/09 Time: 0000
Date Received: 06/11/09
Date Extracted: 6/11/09
Date Analyzed: 06/15/09 Time: 1143
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM 4.2 SVOA
Analytical Method: SW-846 8270C OLM 4.2
Instrument ID: MSSV4

Number TICs Found : 9

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	40467-04-7	2-Hexene, 2,5,5-trimethyl-	.451	4.71	
2.		Unknown	.494	1.94	
3.		Unknown	.778	.248	
4.		Unknown	.954	.195	
5.	4359-46-0	1,3-Dioxolane, 2-ethyl-4-methyl-	1.045	4.32	
6.	57-10-3	Hexadecanoic acid	4.147	.528	
7.		Unknown	4.292	.247	
8.		Unknown	5.094	.316	
9.		Unknown	8.843	.4	

8/28/09 MA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

Matrix: Water

Sample wt/vol: 970 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-1030 (GW-62A)

Contract:

Lab File ID: 2090615/d5009

Lab Sample ID: 20906111307

Date Collected: 06/10/09 Time: 0000

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1159

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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	21		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	31		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	35		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	22		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.: 209061113

Matrix: Water

Sample wt/vol: 970 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-1030 (GW-62A)

Contract:

Lab File ID: 2090615/d5009

Lab Sample ID: 20906111307

Date Collected: 06/10/09 Time: 0000

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1159

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	2	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 ~~0.8~~	J B	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	26	U	0.01	26
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	31		0.01	26
87-86-5	Pentachlorophenol	37		0.01	26
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	29		0.01	10
129-00-0	Pyrene	17		0.01	10
621-64-7	N-Nitroso-di-n-propylamine	21		0.01	10

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FORM I SV-1

8/28/09 MA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

Matrix: Water

Sample wt/vol: 970 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-1030 (GW-62A)

Contract:

Lab File ID: 2090615/d5009

Lab Sample ID: 20906111307

Date Collected: 06/10/09 Time: 0000

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1159

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061113

Matrix: Water

Sample wt/vol: 970 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-1030 (GW-62A)

Contract:

Lab File ID: 2090615/d5010

Lab Sample ID: 20906111308

Date Collected: 06/10/09 Time: 0000

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1214

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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	22		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	30		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	34		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	22		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.: 209061113

Matrix: Water

Sample wt/vol: 970 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-1030 (GW-62A)

Contract:

Lab File ID: 2090615/d5010

Lab Sample ID: 20906111308

Date Collected: 06/10/09 Time: 0000

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1214

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	3	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 ~~09~~	J B	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	26	U	0.01	26
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	39		0.01	26
87-86-5	Pentachlorophenol	39		0.01	26
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	29		0.01	10
129-00-0	Pyrene	10		0.01	10
621-64-7	N-Nitroso-di-n-propylamine	20		0.01	10

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FORM I SV-1

8/28/09 MA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

Matrix: Water

Sample wt/vol: 970 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-1030 (GW-62A)

Contract:

Lab File ID: 2090615/d5010

Lab Sample ID: 209061113 08

Date Collected: 06/10/09 Time: 0000

Date Received: 06/11/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1214

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061113

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-GW61-1030

Contract:

Lab File ID: 2090616/d5015

Lab Sample ID: 20906111320

Date Collected: 06/11/09 Time: 1320

Date Received: 06/12/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1409

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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.: 209061113

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-GW61-1030

Contract:

Lab File ID: 2090616/d5015

Lab Sample ID: 20906111320

Date Collected: 06/11/09 Time: 1320

Date Received: 06/12/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1409

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10 ~~2~~	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	10 ~~.97~~	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	
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

8/28/09 MW

415

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW61-1030

Contract:

Lab File ID: 2090616/d5015

Lab Sample ID: 20906111320

Date Collected: 06/11/09 Time: 1320

Date Received: 06/12/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1409

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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.: 209061113

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-GW61-1030

Contract:

Lab File ID: 2090616/d5015

Lab Sample ID: 209061113 20

Date Collected: 06/11/09 Time: 1320

Date Received: 06/12/09

Date Extracted: 6/15/09

Date Analyzed: 06/16/09 Time: 1409

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM 4.2 SVSM

Analytical Method: ~~SW-846-8270C~~ OLM 04.2

Instrument ID: MSSV4

Number TICs Found : 9

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.446	4.67	
2.	15980-15-1	1,4-Oxathiane	.66	2.06	
3.	3393-64-4	2-Butanone, 4-hydroxy-3-methyl-	.869	3.27	
4.		Unknown	2.136	4.56	
5.		Unknown	2.174	1.37	
6.		Unknown	2.195	2.22	
7.	23778-52-1	2,5,8,11,14-Pentaoxahexadecan-16-ol	2.869	5.74	
8.	10471-14-4	Ethane, 1-ethoxy-1-methoxy-	2.917	7.08	
9.		Unknown	4.019	2.78	

8/18/09

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW06R-1030

Contract:

Lab File ID: 2090616/d5016

Lab Sample ID: 20906111322

Date Collected: 06/11/09 Time: 1410

Date Received: 06/12/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1424

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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.: 209061113

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-GW06R-1030

Contract:

Lab File ID: 2090616/d5016

Lab Sample ID: 20906111322

Date Collected: 06/11/09 Time: 1410

Date Received: 06/12/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1424

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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	10 ~~0.6~~	JB	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	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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FORM I SV-1

8/28/09

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW06R-1030

Contract:

Lab File ID: 2090616/d5016

Lab Sample ID: 209061111322

Date Collected: 06/11/09 Time: 1410

Date Received: 06/12/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1424

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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.: 209061113

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-GW06R-1030

Contract:

Lab File ID: 2090616/d5016

Lab Sample ID: 20906111322

Date Collected: 06/11/09 Time: 1410

Date Received: 06/12/09

Date Extracted: 6/15/09

Date Analyzed: 06/16/09 Time: 1424

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM 4.2 SWA

Analytical Method: ~~SW-846 8270C~~ OLM 04.2

Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.446	5.36	
2.		Unknown	.489	2.63	
3.		Unknown	.778	.292	
4.		Unknown	.896	.384	
5.	4359-46-0	1,3-Dioxolane, 2-ethyl-4-methyl-	1.04	.751	
6.	57-10-3	Hexadecanoic acid	4.137	.663	
7.		Unknown	4.276	.468	
8.		Unknown	5.078	.656	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW07R-1030

Contract:

Lab File ID: 2090616/d5017

Lab Sample ID: 20906111327

Date Collected: 06/12/09 Time: 1130

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1440

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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.: 209061113

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-GW07R-1030

Contract:

Lab File ID: 2090616/d5017

Lab Sample ID: 20906111327

Date Collected: 06/12/09 Time: 1130

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1440

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10 ~~4~~	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	10 ~~0.0~~	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	
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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8/28/09 MA

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW07R-1030

Contract:

Lab File ID: 2090616/d5017

Lab Sample ID: 20906111327

Date Collected: 06/12/09 Time: 1130

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1440

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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.: 209061113

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-GW07R-1030

Contract:

Lab File ID: 2090616/d5017

Lab Sample ID: 20906111327

Date Collected: 06/12/09 Time: 1130

Date Received: 06/13/09

Date Extracted: 6/15/09

Date Analyzed: 06/16/09 Time: 1440

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM 4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM 04.2

Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.446	5.86	
2.		Unknown	.505	4.09	
3.		Unknown	.858	.93	
4.		Unknown	.896	1.04	
5.	18268-45-6	Dodecanoic acid, silver(1+) salt	4.137	1.05	
6.	10544-50-0	Sulfur, mol. (S8)	4.276	5.25	
7.		Unknown	4.543	.995	
8.	4602-84-0	2,6,10-Dodecatrien-1-ol, 3,7,11-trimethy	5.897	1.37	

6/25/09 MA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW58-1030

Contract:

Lab File ID: 2090616/d5018

Lab Sample ID: 20906111328

Date Collected: 05/12/09 Time: 1155

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1456

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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.: 209061113

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-GW58-1030

Contract:

Lab File ID: 2090616/d5018

Lab Sample ID: 20906111328

Date Collected: 06/12/09 Time: 1155

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1456

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10 ~~1~~	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	10 ~~.06~~	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	
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

8/18/09 MR

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	GCAL	Sample ID:	SK-GW58-1030
Lab Code:	LA024 Case No.:	Contract:	
SAS No.:	SDG No.: 209061113	Lab File ID:	2090616/d5018
Matrix:	Water	Lab Sample ID:	20906111328
Sample wt/vol:	990 Units: mL	Date Collected:	06/12/09 Time: 1155
Level: (low/med)	LOW	Date Received:	06/13/09
% Moisture:	decanted: (Y/N)	Date Extracted:	06/15/09
GC Column:	DB-5MS-30M ID: .25 (mm)	Date Analyzed:	06/16/09 Time: 1456
Concentrated Extract Volume:	1000 (µL)	Dilution Factor:	1 Analyst: DLB
Injection Volume:	1.0 (µL)	Prep Method:	OLM4.2 SVOA
GPC Cleanup: (Y/N)	N pH:	Analytical Method:	OLMO 4.2
		Instrument ID:	MSSV4
CONCENTRATION UNITS:	*ug/L*	Prep Batch:	413403 Analytical Batch: 413525

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.: 209061113

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-GW58-1030

Contract:

Lab File ID: 2090616/d5018

Lab Sample ID: 20906111328

Date Collected: 06/12/09 Time: 1155

Date Received: 06/13/09

Date Extracted: 6/15/09

Date Analyzed: 06/16/09 Time: 1456

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM 4.2 SVOA

Analytical Method: ~~SW-846 8270C~~ OLM 0 4.2

Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.446	4.86	
2.		Unknown	.858	.583	
3.		Unknown	.89	.775	
4.		Unknown	.949	.246	
5.		Unknown	1.04	.232	
6.	149-57-5	Hexanoic acid, 2-ethyl-	1.623	.31	
7.		Unknown	4.131	.226	
8.		Unknown	5.078	.441	

8/25/09 MCO

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW59-1030

Contract:

Lab File ID: 2090616/d5019

Lab Sample ID: 209061113 29

Date Collected: 06/12/09 Time: 1220

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1511

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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.: 209061113

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-GW59-1030

Contract:

Lab File ID: 2090616/d5019

Lab Sample ID: 20906111329

Date Collected: 06/12/09 Time: 1220

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1511

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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	10 ~~9.7~~	JB	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	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.: 209061113

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-GW59-1030

Contract:

Lab File ID: 2090616/d5019

Lab Sample ID: 20906111329

Date Collected: 06/12/09 Time: 1220

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1511

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GW59-1030

Contract:

Lab File ID: 2090616/d5019

Lab Sample ID: 20906111329

Date Collected: 06/12/09 Time: 1220

Date Received: 06/13/09

Date Extracted: 6/15/09

Date Analyzed: 06/16/09 Time: 1511

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM 4.2 SWA

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

Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.446	5.03	
2.	149-57-5	Hexanoic acid, 2-ethyl-	1.671	10.1	
3.		Unknown	2.062	.776	
4.		Unknown	2.088	.431	
5.		Unknown	2.147	.851	
6.		Unknown	2.169	.828	
7.		Unknown	4.137	.379	
8.		Unknown	5.078	.378	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061113

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-GWFD-1030 (GW-58)

Contract:

Lab File ID: 2090616/d5020

Lab Sample ID: 20906111330

Date Collected: 06/12/09 Time: 0000

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1527

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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
50-32-3	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.: 209061113

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-GWFD-1030 (GW-58)

Contract:

Lab File ID: 2090616/d5020

Lab Sample ID: 20906111330

Date Collected: 06/12/09 Time: 0900

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1527

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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	10 ~~0.5~~	JB	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	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.: 209061113

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-GWFD-1030 (GW-58)

Contract:

Lab File ID: 2090616/d5020

Lab Sample ID: 20906111330

Date Collected: 06/12/09 Time: 0000

Date Received: 06/13/09

Date Extracted: 06/15/09

Date Analyzed: 06/16/09 Time: 1527

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413403 Analytical Batch: 413525

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.: 209061113

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-GWFD-1030 (GW-58)

Contract:

Lab File ID: 2090616/d5020

Lab Sample ID: 20906111330

Date Collected: 06/12/09 Time: 0000

Date Received: 06/13/09

Date Extracted: 6/15/09

Date Analyzed: 06/16/09 Time: 1527

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM 4.2 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.	40467-04-7	2-Hexene, 2,5,5-trimethyl-	.446	5.01	
2.		Unknown	.489	2.49	
3.		Unknown	.773	.247	
4.		Unknown	.858	.303	
5.		Unknown	.896	.54	
6.		Unknown	1.195	.233	
7.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.399	.232	
8.		Unknown	4.137	.179	
9.		Unknown	5.351	.367	

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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: 413322 Analytical Batch: 413969

Sample ID: SK-GW64-1030
Contract:
SAS No.: SDG No.: 209061113
Lab Sample ID: 20906111301
Date Collected: 06/10/09 Time: 1150
Date Received: 06/11/09
Date Extracted: 06/12/09
Date Analyzed: 06/23/09 Time: 1851
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: 2090623/sv18a029

CONCENTRATION UNITS: ug/L

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	0.052	U	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	0.052	U	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: 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: 413322 Analytical Batch: 413969

Sample ID: SK-GW63-1030

Contract:

SAS No.: SDG No.: 209061113

Lab Sample ID: 20906111303

Date Collected: 06/10/09 Time: 1210

Date Received: 06/11/09

Date Extracted: 06/12/09

Date Analyzed: 06/23/09 Time: 1909

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: 2090623/sv18a030

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: 413322 Analytical Batch: 413969

Sample ID: SK-GW62A-1030
Contract:
SAS No.: SDG No.: 209061113
Lab Sample ID: 20906111304
Date Collected: 06/10/09 Time: 1240
Date Received: 06/11/09
Date Extracted: 06/12/09
Date Analyzed: 06/23/09 Time: 1927
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: 2090623/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

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SK-FD-1030 (GW-63)
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 209061113
Sample wt/vol: 970 Units: mL
Lab Sample ID: 20906111306
Level: (low/med) LOW
Date Collected: 06/10/09 Time: 0000
% Moisture: decanted: (Y/N)
Date Received: 06/11/09
GC Column: ID: (mm)
Date Extracted: 06/12/09
Concentrated Extract Volume: 1000 (µL)
Date Analyzed: 06/23/09 Time: 1945
Soil Aliquot Volume: (µL)
Dilution Factor: 1 Analyst: DLB
Injection Volume: 1 (µL)
Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:
Analytical Method: OLMO 4.2
Prep Batch: 413322 Analytical Batch: 413969
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L
Lab File ID: 2090623/sv18a032

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	0.052	U	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	0.052	U	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

R

FORM I ORG-1

8/28/09 MSL

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name:	GCAL	Sample ID:	SK-MS-1030 (GW-62A)
Lab Code:	LA024 Case No.:	Contract:	
Matrix:	Water	SAS No.:	SDG No.: 209061113
Sample wt/vol:	990 Units: mL	Lab Sample ID:	20906111307
Level: (low/med)	LOW	Date Collected:	06/10/09 Time: 0000
% Moisture:	decanted: (Y/N)	Date Received:	06/11/09
GC Column:	ID: (mm)	Date Extracted:	06/12/09
Concentrated Extract Volume:	1000 (µL)	Date Analyzed:	06/23/09 Time: 2003
Soil Aliquot Volume:	(µL)	Dilution Factor:	1 Analyst: DLB
Injection Volume:	1 (µL)	Prep Method:	OLM4.2 PEST/PCB
GPC Cleanup: (Y/N)	N pH:	Analytical Method:	OLMO 4.2
Prep Batch:	413322 Analytical Batch: 413969	Sulfur Cleanup: (Y/N)	N Instrument ID: GCS18A
CONCENTRATION UNITS:	ug/L	Lab File ID:	2090623/sv18a033

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.015	J	0.000101	0.101
72-55-9	4,4'-DDE	0.072	J	0.000101	0.101
50-29-3	4,4'-DDT	0.612	E	0.000101	0.101
309-00-2	Aldrin	0.342	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	0.475	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	0.536	E	0.000101	0.101
7421-93-4	Endrin aldehyde	0.011	J	0.000101	0.101
53494-70-5	Endrin ketone	0.00851	J	0.000101	0.101
76-44-8	Heptachlor	0.362	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)	0.234	E	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SK-MSD-1030 (GW-62A)
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 209061113
Sample wt/vol: 990 Units: mL
Lab Sample ID: 20906111308
Level: (low/med) LOW
Date Collected: 06/10/09 Time: 0000
% Moisture: decanted: (Y/N)
Date Received: 06/11/09
GC Column: ID: (mm)
Date Extracted: 06/12/09
Concentrated Extract Volume: 1000 (µL)
Date Analyzed: 06/23/09 Time: 2021
Soil Aliquot Volume: (µL)
Dilution Factor: 1 Analyst: DLB
Injection Volume: 1 (µL)
Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:
Analytical Method: OLMO 4.2
Prep Batch: 413322 Analytical Batch: 413969
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L
Lab File ID: 2090623/sv18a034

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.017	J	0.000101	0.101
72-55-9	4,4'-DDE	0.074	J	0.000101	0.101
50-29-3	4,4'-DDT	0.621	E	0.000101	0.101
309-00-2	Aldrin	0.349	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	0.475	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	0.544	E	0.000101	0.101
7421-93-4	Endrin aldehyde	0.00689	J	0.000101	0.101
53494-70-5	Endrin ketone	0.00851	J	0.000101	0.101
76-44-8	Heptachlor	0.373	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)	0.241	E	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

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: 413322 Analytical Batch: 413969
CONCENTRATION UNITS: ug/L

Sample ID: SK-GW61-1030
Contract:
SAS No.: SDG No.: 209061113
Lab Sample ID: 20906111320
Date Collected: 06/11/09 Time: 1320
Date Received: 06/12/09
Date Extracted: 06/12/09
Date Analyzed: 06/23/09 Time: 2039
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: 2090623/sv18a035

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
Sample ID: SK-GW60-1030
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 209061113
Sample wt/vol: 970 Units: mL
Lab Sample ID: 20906111321
Level: (low/med) LOW
Date Collected: 06/11/09 Time: 1340
% Moisture: decanted: (Y/N)
Date Received: 06/12/09
GC Column: ID: (mm)
Date Extracted: 06/12/09
Concentrated Extract Volume: 1000 (µL)
Date Analyzed: 06/23/09 Time: 2057
Soil Aliquot Volume: (µL)
Dilution Factor: 1 Analyst: DLB
Injection Volume: 1 (µL)
Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:
Analytical Method: OLMO 4.2
Prep Batch: 413322 Analytical Batch: 413969
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L
Lab File ID: 2090623/sv18a036

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	0.052	U	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	0.052	U	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

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: 413322 Analytical Batch: 413969
CONCENTRATION UNITS: ug/L

Sample ID: SK-GW06R-1030
Contract:
SAS No.: SDG No.: 209061113
Lab Sample ID: 20906111322
Date Collected: 06/11/09 Time: 1410
Date Received: 06/12/09
Date Extracted: 06/12/09
Date Analyzed: 06/23/09 Time: 2115
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: 2090623/sv18a037

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	0.052	U	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	0.052	U	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

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: 413463 Analytical Batch: 413969

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW07R-1030

Contract:

SAS No.: SDG No.: 209061113

Lab Sample ID: 20906111327

Date Collected: 06/12/09 Time: 1130

Date Received: 06/13/09

Date Extracted: 06/16/09

Date Analyzed: 06/23/09 Time: 2227

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: 2090623/sv18a041

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

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: 413463 Analytical Batch: 413969
CONCENTRATION UNITS: ug/L

Sample ID: SK-GW58-1030
Contract:
SAS No.: SDG No.: 209061113
Lab Sample ID: 20906111328
Date Collected: 06/12/09 Time: 1155
Date Received: 06/13/09
Date Extracted: 06/16/09
Date Analyzed: 06/23/09 Time: 2245
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: 2090623/sv18a042

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	0.00240	J	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: 413463 Analytical Batch: 413969

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW59-1030

Contract:

SAS No.: SDG No.: 209061113

Lab Sample ID: 20906111329

Date Collected: 06/12/09 Time: 1220

Date Received: 06/13/09

Date Extracted: 06/16/09

Date Analyzed: 06/23/09 Time: 2303

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: 2090623/sv18a043

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	0.00550	J	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

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: 413463 Analytical Batch: 413969
CONCENTRATION UNITS: ug/L

Sample ID: SK-GWFD-1030 (GW-58)
Contract:
SAS No.: SDG No.: 209061113
Lab Sample ID: 20906111330
Date Collected: 06/12/09 Time: 0000
Date Received: 06/13/09
Date Extracted: 06/16/09
Date Analyzed: 06/23/09 Time: 2321
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: 2090623/sv18a044

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	0.00270	J	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: 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: 413941 Analytical Batch: 414119
CONCENTRATION UNITS: ug/L

Sample ID: SK-FD-1030 (GW-63) RE
Contract:
SAS No.: SDG No.: 209061113
Lab Sample ID: 20906111336
Date Collected: 06/10/09 Time: 0000
Date Received: 06/11/09
Date Extracted: 06/24/09
Date Analyzed: 06/25/09 Time: 1510
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: 2090623/sv18a051

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
72-54-8	4,4'-DDD	0.101	U	0.000101	0.101	UJ
72-55-9	4,4'-DDE	0.101	U	0.000101	0.101	UJ
50-29-3	4,4'-DDT	0.00385	J	0.000101	0.101	J
309-00-2	Aldrin	0.051	U	0.000101	0.051	UJ
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

8/28/09 M

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW64-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111301

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	38.8	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	49.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	183000			P	
7440-47-3	Chromium	0.9	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	7.3	B		P	
7439-89-6	Iron	1160		E	P	J
7439-92-1	Lead	2.2	B		P	
7439-95-4	Magnesium	55900			P	
7439-96-5	Manganese	867		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.7	B		P	
7440-09-7	Potassium	11900			P	
7782-49-2	Selenium	3.3	U		P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	41000			P	
7440-28-0	Thallium	1.5	U		P	
7440-62-2	Vanadium	7.5	B		P	
7440-66-6	Zinc	13.9	B		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09

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

EPA SAMPLE NO.

SK-GW65-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111302

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	5400			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	43.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	1.4	B		P	
7440-70-2	Calcium	217000			P	
7440-47-3	Chromium	13.0			P	
7440-48-4	Cobalt	5.0	B		P	
7440-50-8	Copper	18.2	B		P	
7439-89-6	Iron	8410		E	P	J
7439-92-1	Lead	8.0			P	
7439-95-4	Magnesium	146000			P	
7439-96-5	Manganese	360		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	8.9	B		P	
7440-09-7	Potassium	6360			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	35200			P	
7440-28-0	Thallium	1.5	U		P	UJ
7440-62-2	Vanadium	25.1	B		P	
7440-66-6	Zinc	19.7	B		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: LT BRWN Clarity Before: CLEAR Texture:

Color After: LT BRWN Clarity After: CLEAR Artifacts:

Comments:

8/27/09 [illegible]

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW63-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111303

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1970			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	36.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.9	B		P	
7440-70-2	Calcium	230000			P	
7440-47-3	Chromium	3.5	B		P	
7440-48-4	Cobalt	1.5	B		P	
7440-50-8	Copper	9.8	B		P	
7439-89-6	Iron	3100		E	P	J
7439-92-1	Lead	3.4			P	
7439-95-4	Magnesium	53400			P	
7439-96-5	Manganese	497		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	4.5	B		P	
7440-09-7	Potassium	6350			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	35700			P	
7440-28-0	Thallium	1.5	U		P	UJ
7440-62-2	Vanadium	7.9	B		P	
7440-66-6	Zinc	6.9	B		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09 MSL

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62A-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111304

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	648			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	119	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.8	B		P	
7440-70-2	Calcium	128000			P	
7440-47-3	Chromium	3.2	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	11.9	B		P	
7439-89-6	Iron	1850		E	P	J
7439-92-1	Lead	2.7	B		P	
7439-95-4	Magnesium	42200			P	
7439-96-5	Manganese	48.7		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	2.5	B		P	
7440-09-7	Potassium	6220			P	
7782-49-2	Selenium	3.3	U		P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	99400			P	
7440-28-0	Thallium	1.5	U		P	
7440-62-2	Vanadium	8.4	B		P	
7440-66-6	Zinc	11.3	B		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09 MG

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

EPA SAMPLE NO.

SK-FD-1030 (GW-63)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111306

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1290			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	7.0	B	N	P	J
7440-39-3	Barium	34.4	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.8	B		P	
7440-70-2	Calcium	229000			P	
7440-47-3	Chromium	3.0	B		P	
7440-48-4	Cobalt	1.6	B		P	
7440-50-8	Copper	9.5	B		P	
7439-89-6	Iron	2440		E	P	J
7439-92-1	Lead	4.1			P	
7439-95-4	Magnesium	54000			P	
7439-96-5	Manganese	376		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	4.1	B		P	
7440-09-7	Potassium	6170			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	35300			P	
7440-28-0	Thallium	1.5	U		P	UJ
7440-62-2	Vanadium	7.6	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09
MM

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

EPA SAMPLE NO.

SK-GW64-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111312

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	3.6	U		P
7440-39-3	Barium	47.5	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.2	U		P
7440-70-2	Calcium	182000			P
7440-47-3	Chromium	0.6	B		P
7440-48-4	Cobalt	0.6	B		P
7440-50-8	Copper	7.3	B		P
7439-89-6	Iron	46.8	B		P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	56600			P
7439-96-5	Manganese	983			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	12700			P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	42500			P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	8.7	B		P
7440-66-6	Zinc	4.3	U		P

UJ

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09

999

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

EPA SAMPLE NO.

SK-GW65-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111313

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	3.6	U		P
7440-39-3	Barium	20.3	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.5	B		P
7440-70-2	Calcium	204000			P
7440-47-3	Chromium	2.8	B		P
7440-48-4	Cobalt	0.5	U		P
7440-50-8	Copper	9.3	B		P
7439-89-6	Iron	5.9	B		P
7439-92-1	Lead	2.3	B		P
7439-95-4	Magnesium	143000			P
7439-96-5	Manganese	0.5	U		P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	4400	B		P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	34100			P
7440-28-0	Thallium	3.0	B		P
7440-62-2	Vanadium	16.2	B		P
7440-66-6	Zinc	4.3	U		P

J

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09
MSL

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

EPA SAMPLE NO.

SK-GW63-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111314

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	4.4	B		P
7440-39-3	Barium	29.7	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.6	B		P
7440-70-2	Calcium	238000			P
7440-47-3	Chromium	0.9	B		P
7440-48-4	Cobalt	0.8	B		P
7440-50-8	Copper	7.9	B		P
7439-89-6	Iron	5.3	U		P
7439-92-1	Lead	2.8	B		P
7439-95-4	Magnesium	54800			P
7439-96-5	Manganese	507			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	2.4	B		P
7440-09-7	Potassium	5820			P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	38300			P
7440-28-0	Thallium	2.1	B		P
7440-62-2	Vanadium	5.5	B		P
7440-66-6	Zinc	4.3	U		P

J

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/29/09
MSK

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62A-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix (soil / water) Water Lab Sample ID: 20906111315

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	26.9	U		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	108	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.7	B		P	
7440-70-2	Calcium	128000			P	
7440-47-3	Chromium	0.4	U		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	7.5	B		P	
7439-89-6	Iron	5.3	U		P	
7439-92-1	Lead	2.9	B		P	
7439-95-4	Magnesium	43800			P	
7439-96-5	Manganese	3.3	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	6470			P	
7782-49-2	Selenium	3.3	U		P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	102000			P	
7440-28-0	Thallium	1.5	U		P	
7440-62-2	Vanadium	7.9	B		P	
7440-66-6	Zinc	9.1	B		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09 MCA

995

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62B-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111316

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	3.6	U		P
7440-39-3	Barium	49.5	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.2	U		P
7440-70-2	Calcium	345000			P
7440-47-3	Chromium	0.7	B		P
7440-48-4	Cobalt	0.9	B		P
7440-50-8	Copper	12.3	B		P
7439-89-6	Iron	286			P
7439-92-1	Lead	2.7	B		P
7439-95-4	Magnesium	69900			P
7439-96-5	Manganese	454			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	5.4	B		P
7440-09-7	Potassium	8480			P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	69000			P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	9.9	B		P
7440-66-6	Zinc	56.6			P

UJ

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1030 (GW63) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111317

Level: (low / med) Date Received: 06/11/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	4.5	B		P
7440-39-3	Barium	29.8	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.5	B		P
7440-70-2	Calcium	237000			P
7440-47-3	Chromium	1.4	B		P
7440-48-4	Cobalt	0.7	B		P
7440-50-8	Copper	7.6	B		P
7439-89-6	Iron	5.7	B		P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	54900			P
7439-96-5	Manganese	372			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	5930			P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	37800			P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	5.4	B		P
7440-66-6	Zinc	4.3	U		P

UJ

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

8/27/09
MR

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW61-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111320

Level: (low / med) Date Received: 06/12/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	131	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	20.1	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	443000			P	
7440-47-3	Chromium	1.1	B		P	
7440-48-4	Cobalt	0.9	B		P	
7440-50-8	Copper	13.8	B		P	
7439-89-6	Iron	1080		E	P	J
7439-92-1	Lead	2.7	B		P	
7439-95-4	Magnesium	92100			P	
7439-96-5	Manganese	253		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	7.0	B		P	
7440-09-7	Potassium	15500			P	
7782-49-2	Selenium	3.3	U		P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	67900			P	
7440-28-0	Thallium	1.5	U		P	
7440-62-2	Vanadium	14.4	B		P	
7440-66-6	Zinc	7.4	B		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09 MAW

1000

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

EPA SAMPLE NO.

SK-GW60-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111321

Level: (low / med) Date Received: 06/12/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	9420			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	123	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	B		P	
7440-70-2	Calcium	244000			P	
7440-47-3	Chromium	19.8			P	
7440-48-4	Cobalt	8.2	B		P	
7440-50-8	Copper	20.1	B		P	
7439-89-6	Iron	21800		E	P	J
7439-92-1	Lead	10.9			P	
7439-95-4	Magnesium	65800			P	
7439-96-5	Manganese	726		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	18.3	B		P	
7440-09-7	Potassium	8030			P	
7782-49-2	Selenium	3.3	U		P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	17500			P	
7440-28-0	Thallium	1.5	U		P	
7440-62-2	Vanadium	29.1	B		P	
7440-66-6	Zinc	63.9			P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: LT BRWN Clarity Before: CLEAR Texture:

Color After: LT BRWN Clarity After: CLEAR Artifacts:

Comments:

8/27/09
MK

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW06R-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111322

Level: (low / med) Date Received: 06/12/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	161	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	197	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.6	B		P	
7440-70-2	Calcium	201000			P	
7440-47-3	Chromium	1.7	B		P	
7440-48-4	Cobalt	0.9	B		P	
7440-50-8	Copper	6.2	B		P	
7439-89-6	Iron	412		E	P	J
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	36500			P	
7439-96-5	Manganese	40.1		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.6	B		P	
7440-09-7	Potassium	2130	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	19300			P	
7440-28-0	Thallium	2.7	B		P	J
7440-62-2	Vanadium	4.7	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

8/27/09 MDL

1007

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW61-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111324

Level: (low / med) Date Received: 06/12/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	3.6	U		P
7440-39-3	Barium	21.2	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.2	B		P
7440-70-2	Calcium	471000			P
7440-47-3	Chromium	0.8	B		P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	9.9	B		P
7439-89-6	Iron	17.9	B		P
7439-92-1	Lead	2.1	B		P
7439-95-4	Magnesium	101000			P
7439-96-5	Manganese	328			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	7.3	B		P
7440-09-7	Potassium	16600			P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	74300			P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	12.5	B		P
7440-66-6	Zinc	4.3	U		P

UJ

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09
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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW60-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111325

Level: (low / med) Date Received: 06/12/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	3.6	U		P
7440-39-3	Barium	90.5	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.2	U		P
7440-70-2	Calcium	259000			P
7440-47-3	Chromium	0.8	B		P
7440-48-4	Cobalt	0.5	U		P
7440-50-8	Copper	8.9	B		P
7439-89-6	Iron	13.2	B		P
7439-92-1	Lead	2.2	B		P
7439-95-4	Magnesium	68900			P
7439-96-5	Manganese	0.5	U		P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	7220			P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	20100			P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	10.5	B		P
7440-66-6	Zinc	10.8	B		P

UJ

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/29/09 MR

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW06R-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111326

Level: (low / med) Date Received: 06/12/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	3.6	U		P
7440-39-3	Barium	199	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.6	B		P
7440-70-2	Calcium	215000			P
7440-47-3	Chromium	1.1	B		P
7440-48-4	Cobalt	1.3	B		P
7440-50-8	Copper	6.0	B		P
7439-89-6	Iron	361			P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	38000			P
7439-96-5	Manganese	64.9			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	1.1	B		P
7440-09-7	Potassium	2330	B		P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	20800			P
7440-28-0	Thallium	2.1	B		P J
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	4.9	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

8/13/09 MCL

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

EPA SAMPLE NO.

SK-GW07R-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111327

Level: (low / med) Date Received: 06/13/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	76.5	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	56.7	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	240000			P	
7440-47-3	Chromium	0.4	U		P	
7440-48-4	Cobalt	3.6	B		P	
7440-50-8	Copper	6.3	B		P	
7439-89-6	Iron	1090		E	P	J
7439-92-1	Lead	2.8	B		P	
7439-95-4	Magnesium	41100			P	
7439-96-5	Manganese	2280		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	2.8	B		P	
7440-09-7	Potassium	1770	B		P	
7782-49-2	Selenium	3.3	U		P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	18100			P	
7440-28-0	Thallium	1.5	U		P	
7440-62-2	Vanadium	9.0	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09 MSR

1066

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW58-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111328

Level: (low / med) Date Received: 06/13/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	265			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	133	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	1.0	B		P	
7440-70-2	Calcium	110000			P	
7440-47-3	Chromium	2.0	B		P	
7440-48-4	Cobalt	0.5	B		P	
7440-50-8	Copper	5.6	B		P	
7439-89-6	Iron	615		E	P	J
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	32100			P	
7439-96-5	Manganese	16.1		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.0	B		P	
7440-09-7	Potassium	3480	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	27900			P	
7440-28-0	Thallium	6.4	B		P	J
7440-62-2	Vanadium	4.0	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09 MA

1007

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

EPA SAMPLE NO.

SK-GW59-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111329

Level: (low / med) Date Received: 06/13/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	35.1	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	35.7	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	187000			P	
7440-47-3	Chromium	0.4	U		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	8.2	B		P	
7439-89-6	Iron	20.2	B	E	P	J
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	31300			P	
7439-96-5	Manganese	0.9	B	E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	21200			P	
7782-49-2	Selenium	3.3	U		P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	61800			P	
7440-28-0	Thallium	1.5	U		P	
7440-62-2	Vanadium	7.3	B		P	
7440-66-6	Zinc	5.9	B		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09 MSL

1088

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GWFD-1030 (GW-58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111330

Level: (low / med) Date Received: 06/13/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	219			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	
7440-39-3	Barium	135	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	1.0	B		P	
7440-70-2	Calcium	111000			P	
7440-47-3	Chromium	2.0	B		P	
7440-48-4	Cobalt	0.6	B		P	
7440-50-8	Copper	5.8	B		P	
7439-89-6	Iron	607		E	P	J
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	33000			P	
7439-96-5	Manganese	17.6		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.3	B		P	
7440-09-7	Potassium	3600	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	28600			P	
7440-28-0	Thallium	4.6	B		P	J
7440-62-2	Vanadium	3.3	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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8/27/09 MGL

1009

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW07R-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111332

Level: (low / med) Date Received: 06/13/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	3.6	U		P
7440-39-3	Barium	54.6	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.2	U		P
7440-70-2	Calcium	245000			P
7440-47-3	Chromium	0.4	U		P
7440-48-4	Cobalt	4.0	B		P
7440-50-8	Copper	5.5	B		P
7439-89-6	Iron	562			P
7439-92-1	Lead	2.8	B		P
7439-95-4	Magnesium	42100			P
7439-96-5	Manganese	2340			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	3.1	B		P
7440-09-7	Potassium	1830	B		P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	18800			P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	7.6	B		P
7440-66-6	Zinc	4.3	U		P

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Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/27/09 MR

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW58-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111333

Level: (low / med) Date Received: 06/13/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	3.6	U		P
7440-39-3	Barium	121	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.8	B		P
7440-70-2	Calcium	101000			P
7440-47-3	Chromium	0.7	B		P
7440-48-4	Cobalt	0.5	B		P
7440-50-8	Copper	5.0	B		P
7439-89-6	Iron	5.7	B		P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	30000			P
7439-96-5	Manganese	0.5	U		P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3380	B		P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	26800			P
7440-28-0	Thallium	4.5	B		P
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	14.6	B		P

J

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

8/27/09 MSL

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW59-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111334

Level: (low / med) Date Received: 06/13/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	3.6	U		P
7440-39-3	Barium	35.0	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.2	U		P
7440-70-2	Calcium	180000			P
7440-47-3	Chromium	0.4	U		P
7440-48-4	Cobalt	0.5	U		P
7440-50-8	Copper	5.9	B		P
7439-89-6	Iron	5.3	U		P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	29800			P
7439-96-5	Manganese	0.5	U		P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	19700			P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	60700			P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	4.9	B		P
7440-66-6	Zinc	7.3	B		P

UJ

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

8/27/09 MR

1012

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

EPA SAMPLE NO.

SK-GWFD-1030 (GW-58) DI

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061113

Matrix: (soil / water) Water Lab Sample ID: 20906111335

Level: (low / med) Date Received: 06/13/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	U		P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	3.6	U		P
7440-39-3	Barium	126	B		P
7440-41-7	Beryllium	2.3	U		P
7440-43-9	Cadmium	0.8	B		P
7440-70-2	Calcium	104000			P
7440-47-3	Chromium	0.8	B		P
7440-48-4	Cobalt	0.5	U		P
7440-50-8	Copper	5.6	B		P
7439-89-6	Iron	5.3	U		P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	31600			P
7439-96-5	Manganese	0.5	U		P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.6	B		P
7440-09-7	Potassium	3350	B		P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.5	U		P
7440-23-5	Sodium	27300			P
7440-28-0	Thallium	4.3	B		P I
7440-62-2	Vanadium	3.5	B		P
7440-66-6	Zinc	4.3	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

8/27/09 MA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SK-SWD1-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20904073801

Level: (low/med) Lab File ID: 2090408/y9743

% Moisture: not dec. Date Collected: 04/03/09 Time: 1010

GC Column: DB-624-30M ID: .53 (mm) Date Received: 04/04/09

Instrument ID: MSV0 Date Analyzed: 04/08/09 Time: 1625

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 409319

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

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FORM I VOA

11/14/09

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SWD1-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: (soil/water) Water

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

Lab Sample ID: 20904073801

Level: (low/med)

Lab File ID: 2090408/y9743

% Moisture: not dec.

Date Collected: 04/03/09 Time: 1010

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

Date Received: 04/04/09

Instrument ID: MSV0

Date Analyzed: 04/08/09 Time: 1625

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJO

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 409319

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-SWD1-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: Water Lab Sample ID: 20904073801

Sample wt/vol: Units: Lab File ID: 2090408/y9743T

Level: (low/med) Date Collected: 04/03/09 Time: 1010

% Moisture: not dec. Date Received: 04/04/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 04/08/09 Time: 1625

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SK-SWD3-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20904073802

Level: (low/med) Lab File ID: 2090408/y9739

% Moisture: not dec. Date Collected: 04/03/09 Time: 0935

GC Column: DB-624-30M ID: .53 (mm) Date Received: 04/04/09

Instrument ID: MSV0 Date Analyzed: 04/08/09 Time: 1450

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 409319

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

R

FORM I VOA

11/17/09 MSA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SWD3-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20904073802

Level: (low/med) Lab File ID: 2090408/y9739

% Moisture: not dec. Date Collected: 04/03/09 Time: 0935

GC Column: DB-624-30M ID: .53 (mm) Date Received: 04/04/09

Instrument ID: MSV0 Date Analyzed: 04/08/09 Time: 1450

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 409319

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-SWD3-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: Water Lab Sample ID: 20904073802

Sample wt/vol: Units: Lab File ID: 2090408/y9739T

Level: (low/med) Date Collected: 04/03/09 Time: 0935

% Moisture: not dec. Date Received: 04/04/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 04/08/09 Time: 1450

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	3.922	.346	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20904073806

Level: (low/med) Lab File ID: 2090408/y9744

% Moisture: not dec. Date Collected: 04/03/09 Time: 1100

GC Column: DB-624-30M ID: .53 (mm) Date Received: 04/04/09

Instrument ID: MSV0 Date Analyzed: 04/08/09 Time: 1649

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 409319

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-93-3	2-Butanone	1.8	J	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	0.20	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

FORM I VOA

11/17/09 MSL

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20904073808

Level: (low/med) Lab File ID: 2090408/y9744

% Moisture: not dec. Date Collected: 04/03/09 Time: 1100

GC Column: DB-624-30M ID: .53 (mm) Date Received: 04/04/09

Instrument ID: MSV0 Date Analyzed: 04/08/09 Time: 1649

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 409319

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-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: Water Lab Sample ID: 20904073806

Sample wt/vol: Units: Lab File ID: 2090408/y9744T

Level: (low/med) Date Collected: 04/03/09 Time: 1100

% Moisture: not dec. Date Received: 04/04/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 04/08/09 Time: 1649

Instrument ID: MSV0 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	3.113	.812	

FORM I VOA-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209040738

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-SWD1-1030

Contract:

Lab File ID: 2090409/d4137

Lab Sample ID: 20904073801

Date Collected: 04/03/09 Time: 1010

Date Received: 04/04/09

Date Extracted: 04/07/09

Date Analyzed: 04/09/09 Time: 1449

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 409241 Analytical Batch: 409396

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.: 209040738
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-SWD1-1030
Contract:
Lab File ID: 2090409/d4137
Lab Sample ID: 20904073801
Date Collected: 04/03/09 Time: 1010
Date Received: 04/04/09
Date Extracted: 04/07/09
Date Analyzed: 04/09/09 Time: 1449
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV4
Prep Batch: 409241 Analytical Batch: 409396

CONCENTRATION UNITS: ug/L

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209040738

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-SWD1-1030

Contract:

Lab File ID: 2090409/d4137

Lab Sample ID: 20904073801

Date Collected: 04/03/09 Time: 1010

Date Received: 04/04/09

Date Extracted: 04/07/09

Date Analyzed: 04/09/09 Time: 1449

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 409241 Analytical Batch: 409396

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.: 209040738

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-SWD1-1030

Contract:

Lab File ID: 2090409/d4137

Lab Sample ID: 20904073801

Date Collected: 04/03/09 Time: 1010

Date Received: 04/04/09

Date Extracted: 04/07/09

Date Analyzed: 04/09/09 Time: 1449

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM 4.2 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	1.051	.268	
2.		Unknown	1.088	.958	
3.		Unknown	2.051	.401	
4.		Unknown	2.586	2.52	
5.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.623	1.02	
6.		Unknown	4.356	.367	
7.		Unknown	4.827	.293	
8.		Unknown	5.501	.202	

FORM I SV-TIC

11/17/09 MSH

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209040738

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-SWD3-1030

Contract:

Lab File ID: 2090409/d4138

Lab Sample ID: 20904073802

Date Collected: 04/03/09 Time: 0935

Date Received: 04/04/09

Date Extracted: 04/07/09

Date Analyzed: 04/09/09 Time: 1504

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 409241 Analytical Batch: 409396

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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.: 209040738

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-SWD3-1030

Contract:

Lab File ID: 2090409/d4141

Lab Sample ID: 20904073802

Date Collected: 04/03/09 Time: 0935

Date Received: 04/04/09

Date Extracted: 04/07/09

Date Analyzed: 04/09/09 Time: 1550

Dilution Factor: 20 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 409241 Analytical Batch: 409396

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	650		0.2	200

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 209040738
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-SWD3-1030
Contract:
Lab File ID: 2090409/d4138
Lab Sample ID: 20904073802
Date Collected: 04/03/09 Time: 0935
Date Received: 04/04/09
Date Extracted: 04/07/09
Date Analyzed: 04/09/09 Time: 1504
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV4
Prep Batch: 409241 Analytical Batch: 409396

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.: 209040738
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-SWD3-1030
Contract:
Lab File ID: 2090409/d4138
Lab Sample ID: 20904073802
Date Collected: 04/03/09 Time: 0935
Date Received: 04/04/09
Date Extracted: 04/07/09
Date Analyzed: 04/09/09 Time: 1504
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV4
Prep Batch: 409241 Analytical Batch: 409396

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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	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
86-30-6	N-Nitrosodiphenylamine	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.: 209040738

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-SWD3-1030

Contract:

Lab File ID: 2090409/d4138

Lab Sample ID: 20904073802

Date Collected: 04/03/09 Time: 0935

Date Received: 04/04/09

Date Extracted: 04/07/09

Date Analyzed: 04/09/09 Time: 1504

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SW4

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.		Unknown	1.051	.441	
2.	603-11-2	1,2-Benzenedicarboxylic acid,	5.501	4.57	
3.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.088	1.92	
4.		Unknown	2.051	.667	
5.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.623	.575	
6.	616-55-7	Phenol, 4,6-di(1,1-dimethyleth	3.11	.745	
7.		Unknown	3.281	.275	
8.	544-63-8	Tetradecanoic acid	4.356	1.51	
9.	57-11-4	Octadecanoic acid	4.827	1.62	
10.		Unknown	5.319	.551	

11/17/09 ASU

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: 409243 Analytical Batch: 409840

Sample ID: SK-SWD1-1030
Contract:
SAS No.: SDG No.: 209040738
Lab Sample ID: 20904073801
Date Collected: 04/03/09 Time: 1010
Date Received: 04/04/09
Date Extracted: 04/07/09
Date Analyzed: 04/14/09 Time: 1742
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: 2090414/sv18a019

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: 409243 Analytical Batch: 409840

Sample ID: SK-SWD3-1030
Contract:
SAS No.: SDG No.: 209040738
Lab Sample ID: 20904073802
Date Collected: 04/03/09 Time: 0935
Date Received: 04/04/09
Date Extracted: 04/07/09
Date Analyzed: 04/14/09 Time: 1800
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: 2090414/sv18a020

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

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

EPA SAMPLE NO.

SK-SWD1-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: (soil / water) Water Lab Sample ID: 20904073801

Level: (low / med) Date Received: 04/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	180	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	49.2	B	E	P	J
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	94200			P	
7440-47-3	Chromium	1.4	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.4	B		P	
7439-89-6	Iron	322			P	
7439-92-1	Lead	1.6	U		P	UJ
7439-95-4	Magnesium	15200			P	
7439-96-5	Manganese	6.0	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	5130			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	4290	B		P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	1.0	U		P	
7440-66-6	Zinc	142			P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

11/13/09 AL

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

EPA SAMPLE NO.

SK-SWD3-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: (soil / water) Water Lab Sample ID: 20904073802

Level: (low / med) Date Received: 04/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	162	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	10.8	B	E	P	J
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	37500			P	
7440-47-3	Chromium	0.4	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	6.6	B		P	
7439-89-6	Iron	304			P	
7439-92-1	Lead	1.6	U		P	UJ
7439-95-4	Magnesium	4210	B		P	
7439-96-5	Manganese	6.7	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3310	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	739	B		P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	1.0	U		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	0.2	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

11/17/09

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

EPA SAMPLE NO.

SK-SWD1-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: (soil / water) Water Lab Sample ID: 20904073808

Level: (low / med) Date Received: 04/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	34.6	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	47.4	B	E	P	J
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	95200			P	
7440-47-3	Chromium	1.6	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.0	B		P	
7439-89-6	Iron	5.3	U		P	
7439-92-1	Lead	1.6	U		P	UJ
7439-95-4	Magnesium	15700			P	
7439-96-5	Manganese	0.5	U		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	4990	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	4270	B		P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	1.0	U		P	
7440-66-6	Zinc	135			P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

11/17/09 MSL

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

EPA SAMPLE NO.

SK-SWD3-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209040738

Matrix: (soil / water) Water Lab Sample ID: 20904073809

Level: (low / med) Date Received: 04/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	26.9	U		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	9.5	B	E	P	J
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	35800			P	
7440-47-3	Chromium	0.4	U		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	2.5	B		P	
7439-89-6	Iron	15.9	B		P	
7439-92-1	Lead	1.6	U		P	UJ
7439-95-4	Magnesium	3970	B		P	
7439-96-5	Manganese	0.5	U		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.6	B		P	
7440-09-7	Potassium	3080	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	949	B		P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	1.0	U		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

11/12/09 ASC

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 06/30/2009

GCAL Report 209061020

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-2nd Qtr 2009

CASE NARRATIVE

Client: Earth Tech **Report:** 209061020

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

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 413322, the MS/MSD exhibited recovery failures.

METALS

The Dissolved Barium, Cobalt, and Magnesium concentrations are greater than the total concentrations of these elements in sample 20906102001 (SK-SW50-1030)/20906102010 (SK-SW50-1030 (DISS)). This is attributed to separate aliquots of sample.

The Dissolved Barium, Calcium, and Magnesium are greater than the total concentrations of these elements in sample 20906102007 (SK-DUP-1030 (SW50))/20906102015 (SK-DUP-1030 (SW50) DISS). This is attributed to separate aliquots of sample.

The Dissolved Thallium and Vanadium concentrations are greater than the total concentrations of these elements in sample 20906102002 (SK-SW51-1030)/20906102011 (SK-SW51-1030 (DISS)). This is attributed to separate aliquots of sample.

In the ILM04.1 - CLP Metals analysis for prep batch 413297, the MS recovery was outside the control limits for Selenium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with a recovery of 61%.

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 NELAC standard and 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.

Robyn Migues
Technical Director
GCAL REPORT 209061020

THIS REPORT CONTAINS 622 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20906102001	SK-SW50-1030	Water	06/09/2009 13:30	06/10/2009 01:00
20906102002	SK-SW51-1030	Water	06/09/2009 14:45	06/10/2009 01:00
20906102003	SK-SW52-1030	Water	06/09/2009 15:15	06/10/2009 01:00
20906102004	SK-FD-1030 (SW51)	Water	06/09/2009 00:00	06/10/2009 01:00
20906102005	SK-MS-1030 (SW50)	Water	06/09/2009 00:00	06/10/2009 01:00
20906102006	SK-MSD-1030 (SW50)	Water	06/09/2009 00:00	06/10/2009 01:00
20906102007	SK-DUP-1030 (SW50)	Water	06/09/2009 00:00	06/10/2009 01:00
20906102008	SK-TB-1030	Water	06/09/2009 00:00	06/10/2009 01:00
20906102009	VHBLK	Water	06/09/2009 00:00	06/10/2009 01:00
20906102010	SK-SW50-1030 (DISS)	Water	06/09/2009 13:30	06/10/2009 01:00
20906102011	SK-SW51-1030 (DISS)	Water	06/09/2009 14:45	06/10/2009 01:00
20906102012	SK-SW52-1030 (DISS)	Water	06/09/2009 15:15	06/10/2009 01:00
20906102013	SK-FD-1030 (SW51) DISS	Water	06/09/2009 00:00	06/10/2009 01:00
20906102014	SK-MS-1030 (SW50) DISS	Water	06/09/2009 00:00	06/10/2009 01:00
20906102015	SK-DUP-1030 (SW50) DISS	Water	06/09/2009 00:00	06/10/2009 01:00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW50-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906102001

Level: (low/med) Lab File ID: 2090616/z2524

% Moisture: not dec. Date Collected: 06/09/09 Time: 1330

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/10/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1411

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

11/18/09 mgk

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW50-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906102001

Level: (low/med) Lab File ID: 2090616/z2524

% Moisture: not dec. Date Collected: 06/09/09 Time: 1330

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/10/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1411

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

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-SW50-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: Water Lab Sample ID: 20906102001

Sample wt/vol: Units: Lab File ID: 2090616/z2524T

Level: (low/med) Date Collected: 06/09/09 Time: 1330

% Moisture: not dec. Date Received: 06/10/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 1411

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906102002

Level: (low/med) Lab File ID: 2090616/z2525

% Moisture: not dec. Date Collected: 06/09/09 Time: 1445

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/10/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1439

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

11/18/09 MKA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil/water) Water

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

Lab Sample ID: 20906102002

Level: (low/med)

Lab File ID: 2090616/z2525

% Moisture: not dec.

Date Collected: 06/09/09 Time: 1445

GC Column: RTX-VMS-30 ID: .25 (mm)

Date Received: 06/10/09

Instrument ID: MSV0

Date Analyzed: 06/16/09 Time: 1439

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: WAS

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 413506

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-SW51-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: Water Lab Sample ID: 20906102002

Sample wt/vol: Units: Lab File ID: 2090616/z2525T

Level: (low/med) Date Collected: 06/09/09 Time: 1445

% Moisture: not dec. Date Received: 06/10/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 1439

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 3

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	2497-25-8	2-Decenal, (Z)-	10.747	.439	
2.	13151-04-7	1-Heptene, 5-methyl-	12.641	.425	
3.	14850-23-8	4-Octene, (E)-	14.541	.61	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906102003

Level: (low/med) Lab File ID: 2090616/z2526

% Moisture: not dec. Date Collected: 06/09/09 Time: 1515

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/10/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1506

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

11/13/09 MSW

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906102003

Level: (low/med) Lab File ID: 2090616/z2526

% Moisture: not dec. Date Collected: 06/09/09 Time: 1515

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/10/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1506

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

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-SW52-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: Water Lab Sample ID: 20906102003

Sample wt/vol: Units: Lab File ID: 2090616/z2526T

Level: (low/med) Date Collected: 06/09/09 Time: 1515

% Moisture: not dec. Date Received: 06/10/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 1506

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 5

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	54774-91-3	2-Propenoic acid, 6-methylheptyl ester	6.907	.544	
2.	14850-23-8	4-Octene, (E)-	7.361	.63	
3.	2207-01-4	Cyclohexane, 1,2-dimethyl-, cis-	10.322	.324	
4.	103-11-7	2-Propenoic acid, 2-ethylhexyl ester	13.29	.352	
5.	13389-42-9	2-Octene, (E)-	14.457	.633	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1030 (SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil/water) Water

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

Lab Sample ID: 20906102004

Level: (low/med)

Lab File ID: 2090616/z2527

% Moisture: not dec.

Date Collected: 06/09/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm)

Date Received: 06/10/09

Instrument ID: MSV0

Date Analyzed: 06/16/09 Time: 1534

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: WAS

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

11/18/09 MSA 47

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1030 (SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906102004

Level: (low/med) Lab File ID: 2090616/z2527

% Moisture: not dec. Date Collected: 06/09/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/10/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1534

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

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-FD-1030 (SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: Water Lab Sample ID: 20906102004

Sample wt/vol: Units: Lab File ID: 2090616/z2527T

Level: (low/med) Date Collected: 06/09/09 Time: 0000

% Moisture: not dec. Date Received: 06/10/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 1534

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 2

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	2497-25-8	2-Decenal, (Z)-	10.195	.36	
2.	111-67-1	2-Octene	13.61	.348	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906102008

Level: (low/med) Lab File ID: 2090616/z2531

% Moisture: not dec. Date Collected: 06/09/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/10/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1726

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

11/18/09 MEH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20906102008

Level: (low/med) Lab File ID: 2090616/z2531

% Moisture: not dec. Date Collected: 06/09/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 06/10/09

Instrument ID: MSV0 Date Analyzed: 06/16/09 Time: 1726

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 413506

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-TB-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: Water Lab Sample ID: 20906102008

Sample wt/vol: Units: Lab File ID: 2090616/z2531T

Level: (low/med) Date Collected: 06/09/09 Time: 0000

% Moisture: not dec. Date Received: 06/10/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 06/16/09 Time: 1726

Instrument ID: MSV0 Dilution Factor: 1 Analyst: WAS

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	~~108-95-2~~	~~Phenol~~	~~14.654~~	~~.09~~	

FORM I VOA-TIC

11/19/09

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061020

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-SW50-1030

Contract:

Lab File ID: 2090615/d4999

Lab Sample ID: 20906102001

Date Collected: 06/09/09 Time: 1330

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 0924

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

CONCENTRATION UNITS: ug/L

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.: 209061020
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-SW50-1030
Contract:
Lab File ID: 2090615/d4999
Lab Sample ID: 20906102001
Date Collected: 06/09/09 Time: 1330
Date Received: 06/10/09
Date Extracted: 06/11/09
Date Analyzed: 06/15/09 Time: 0924
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV4
Prep Batch: 413256 Analytical Batch: 413406

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

11/13/09

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061020

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-SW50-1030

Contract:

Lab File ID: 2090615/d4999

Lab Sample ID: 20906102001

Date Collected: 06/09/09 Time: 1330

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 0924

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061020

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-SW50-1030

Contract:

Lab File ID: 2090615/d4999

Lab Sample ID: 20906102001

Date Collected: 06/09/09 Time: 1330

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 0924

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 6

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	40467-04-7	2-Hexene, 2,5,5-trimethyl-	.452	4.6	
2.	96-05-9	2-Propenoic acid, 2-methyl-, 2-propenyl	.468	3.24	
3.	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	.511	2.48	
4.		Unknown	.901	.624	
5.	112-34-5	Ethanol, 2-(2-butoxyethoxy)-	1.848	.588	
6.	18268-45-6	Dodecanoic acid, silver(1+) salt	4.148	.327	

FORM I SV-TIC

11/18/09 msu

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061020

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-SW51-1030

Contract:

Lab File ID: 2090615/d5000

Lab Sample ID: 20906102002

Date Collected: 06/09/09 Time: 1445

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 0939

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061020

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-SW51-1030

Contract:

Lab File ID: 2090615/d5000

Lab Sample ID: 20906102002

Date Collected: 06/09/09 Time: 1445

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 0939

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	5	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 1	JB	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	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

UL

FORM I SV-1

11/19/09 MSU

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061020

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-SW51-1030

Contract:

Lab File ID: 2090615/d5000

Lab Sample ID: 20906102002

Date Collected: 06/09/09 Time: 1445

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 0939

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061020
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-SW51-1030
Contract:
Lab File ID: 2090615/d5000
Lab Sample ID: 20906102002
Date Collected: 06/09/09 Time: 1445
Date Received: 06/10/09
Date Extracted: 06/11/09
Date Analyzed: 06/15/09 Time: 0939
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLM 04.2
Instrument ID: MSSV4

Number TICs Found : 10

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	40467-04-7	2-Hexene, 2,5,5-trimethyl-	.452	5.32	
2.		Unknown	4.661	.982	
3.		Unknown	.468	3.51	
4.		Unknown	.494	2.2	
5.		Unknown	.783	.397	
6.		Unknown	.864	.604	
7.	2233-00-3	1-Propene, 3,3,3-trichloro-	.901	.879	
8.	32357-83-8	Ether, hexyl pentyl	2.249	.635	
9.	143-07-7	Dodecanoic acid	4.148	.438	
10.	10544-50-0	Sulfur, mol. (S8)	4.287	.235	

FORM I SV-TIC

11/13/09 MSA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061020

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-SW52-1030

Contract:

Lab File ID: 2090615/d5001

Lab Sample ID: 20906102003

Date Collected: 06/09/09 Time: 1515

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 0954

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061020

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-SW52-1030

Contract:

Lab File ID: 2090615/d5001

Lab Sample ID: 20906102003

Date Collected: 06/09/09 Time: 1515

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 0954

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	4	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 ~~0.6~~	JB	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	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

UL

FORM I SV-1

11/18/09 MGN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061020

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-SW52-1030

Contract:

Lab File ID: 2090615/d5001

Lab Sample ID: 20908102003

Date Collected: 06/09/09 Time: 1515

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 0954

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061020
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-SW52-1030
Contract:
Lab File ID: 2090615/d5001
Lab Sample ID: 20906102003
Date Collected: 06/09/09 Time: 1515
Date Received: 06/10/09
Date Extracted: 06/11/09
Date Analyzed: 06/15/09 Time: 0954
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 SVA
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.	40467-04-7	2-Hexene, 2,5,5-trimethyl-	.452	4.71	
2.		Unknown	.468	2.26	
3.		Unknown	.494	2.05	
4.		Unknown	.783	.375	
5.		Unknown	.864	.257	
6.	2233-00-3	1-Propene, 3,3,3-trichloro-	.901	.405	
7.		Unknown	1.2	.481	
8.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.404	.223	
9.		Unknown	4.142	.26	

FORM I SV-TIC

11/18/09 MSK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061020

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-1030 (SW51)

Contract:

Lab File ID: 2090615/d5002

Lab Sample ID: 20906102004

Date Collected: 06/09/09 Time: 0000

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1010

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209081020

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-1030 (SW51)

Contract:

Lab File ID: 2090615/d5002

Lab Sample ID: 20906102004

Date Collected: 06/09/09 Time: 0000

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1010

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	3	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 ~~0.8~~	JB	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	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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FORM I SV-1

11/18/09 MSK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209061020

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-1030 (SW51)

Contract:

Lab File ID: 2090615/d5002

Lab Sample ID: 20906102004

Date Collected: 06/09/09 Time: 0000

Date Received: 06/10/09

Date Extracted: 06/11/09

Date Analyzed: 06/15/09 Time: 1010

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 413256 Analytical Batch: 413406

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.: 209061020
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-1030 (SW51)
Contract:
Lab File ID: 2090615/d5002
Lab Sample ID: 20906102004
Date Collected: 06/09/09 Time: 0000
Date Received: 06/10/09
Date Extracted: 06/11/09
Date Analyzed: 06/15/09 Time: 1010
Dilution Factor: 1 Analyst: DLB
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.	40467-04-7	2-Hexene, 2,5,5-trimethyl-	.451	4.64	
2.		Unknown	.468	2.28	
3.		Unknown	.783	.352	
4.		Unknown	.863	.314	
5.		Unknown	.901	.458	
6.		Unknown	.954	.182	
7.		Unknown	1.2	.428	
8.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.404	.197	
9.		Unknown	4.147	.328	

FORM I SV-TIC

11/18/09

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: 413322 Analytical Batch: 413969

Sample ID: SK-SW50-1030
Contract:
SAS No.: SDG No.: 209061020
Lab Sample ID: 20906102001
Date Collected: 06/09/09 Time: 1330
Date Received: 06/10/09
Date Extracted: 06/12/09
Date Analyzed: 06/23/09 Time: 1551
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: 2090623/sv18a019

CONCENTRATION UNITS: ug/L

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	0.103	U	0.000103	0.052
1024-57-3	Heptachlor epoxide	0.052	U	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	0.052	U	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: 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: 413322 Analytical Batch: 413969

Sample ID: SK-SW51-1030
Contract:
SAS No.: SDG No.: 209061020
Lab Sample ID: 20906102002
Date Collected: 06/09/09 Time: 1445
Date Received: 06/10/09
Date Extracted: 06/12/09
Date Analyzed: 06/23/09 Time: 1609
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: 2090623/sv18a020

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	0.101	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

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: 413322 Analytical Batch: 413969

Sample ID: SK-SW52-1030
Contract:
SAS No.: SDG No.: 209061020
Lab Sample ID: 20906102003
Date Collected: 06/09/09 Time: 1515
Date Received: 06/10/09
Date Extracted: 06/12/09
Date Analyzed: 06/23/09 Time: 1627
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: 2090623/sv18a021

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

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: 413322 Analytical Batch: 413969

CONCENTRATION UNITS: ug/L

Sample ID: SK-FD-1030 (SW51)

Contract:

SAS No.: SDG No.: 209061020

Lab Sample ID: 20906102004

Date Collected: 06/09/09 Time: 0000

Date Received: 06/10/09

Date Extracted: 06/12/09

Date Analyzed: 06/23/09 Time: 1645

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: 2090623/sv18a022

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	0.103	U	0.000103	0.052
1024-57-3	Heptachlor epoxide	0.052	U	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	0.052	U	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

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

SOW No.:

EPA Sample No.	*Lab Sample ID*
SK-SW50-1030	20906102001
SK-SW51-1030	20906102002
SK-SW52-1030	20906102003
SK-FD-1030 (SW51)	20906102004
SK-MS-1030 (SW50)	20906102005
SK-DUP-1030 (SW50)	20906102007
SK-SW50-1030 (DISS)	20906102010
SK-SW51-1030 (DISS)	20906102011
SK-SW52-1030 (DISS)	20906102012
SK-FD-1030 (SW51) DISS	20906102013
SK-MS-1030 (SW50) DISS	20906102014
SK-DUP-1030 (SW50) DISS	20906102015

Were ICP interelement corrections applied ?	Yes / No	YES
Were ICP background corrections applied ?	Yes / No	YES
If yes-were raw data generated before application of background corrections ?	Yes / No	NO

Comments:

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

Signature: Christie Bailey Name: Christie Bailey

Date: 6/25/09 Title: Metals Supervisor

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW50-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil / water) Water Lab Sample ID: 20906102001

Level: (low / med) Date Received: 06/10/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	38.1	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	46.5	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	77800			P	
7440-47-3	Chromium	1.0	B		P	
7440-48-4	Cobalt	0.5	B		P	
7440-50-8	Copper	6.5	B		P	
7439-89-6	Iron	27.0	B		P	
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	23000			P	
7439-96-5	Manganese	3.4	B		P	
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	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	65600			P	
7440-28-0	Thallium	5.5	B		P	J
7440-62-2	Vanadium	5.2	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	0.2	U		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-SW51-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil / water) Water Lab Sample ID: 20906102002

Level: (low / med) Date Received: 06/10/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	46.2	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	49.9	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	83400			P	
7440-47-3	Chromium	2.8	B		P	
7440-48-4	Cobalt	0.8	B		P	
7440-50-8	Copper	6.1	B		P	
7439-89-6	Iron	106			P	
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	24500			P	
7439-96-5	Manganese	11.1	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.5	B		P	
7440-09-7	Potassium	3250	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	69200			P	
7440-28-0	Thallium	2.6	B		P	J
7440-62-2	Vanadium	4.6	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	0.2	U		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-SW52-1030

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil / water) Water Lab Sample ID: 20906102003

Level: (low / med) Date Received: 06/10/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	47.5	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	48.8	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	80000			P	
7440-47-3	Chromium	1.0	B		P	
7440-48-4	Cobalt	0.9	B		P	
7440-50-8	Copper	5.7	B		P	
7439-89-6	Iron	86.8	B		P	
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	23200			P	
7439-96-5	Manganese	18.8			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3110	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	69100			P	
7440-28-0	Thallium	7.3	B		P	J
7440-62-2	Vanadium	4.6	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	0.2	U		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-1030 (SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil / water) Water Lab Sample ID: 20906102004

Level: (low / med) Date Received: 06/10/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	26.9	U		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	50.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	83000			P	
7440-47-3	Chromium	0.8	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.9	B		P	
7439-89-6	Iron	74.7	B		P	
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	24500			P	
7439-96-5	Manganese	8.7	B		P	
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	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	69400			P	
7440-28-0	Thallium	4.1	B		P	J
7440-62-2	Vanadium	5.0	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	0.2	U		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-SW50-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil / water) Water Lab Sample ID: 20906102010

Level: (low / med) Date Received: 06/10/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	26.9	U		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	47.9	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	77100			P	
7440-47-3	Chromium	0.9	B		P	
7440-48-4	Cobalt	0.6	B		P	
7440-50-8	Copper	6.0	B		P	
7439-89-6	Iron	6.9	B		P	
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	23500			P	
7439-96-5	Manganese	2.5	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3080	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	64000			P	
7440-28-0	Thallium	5.5	B		P	J
7440-62-2	Vanadium	5.0	B		P	
7440-66-6	Zinc	4.3	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-SW51-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil / water) Water Lab Sample ID: 20906102011

Level: (low / med) Date Received: 06/10/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	27.6	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	47.1	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	76100			P	
7440-47-3	Chromium	0.9	B		P	
7440-48-4	Cobalt	0.8	B		P	
7440-50-8	Copper	5.8	B		P	
7439-89-6	Iron	13.6	B		P	
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	22500			P	
7439-96-5	Manganese	3.5	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3040	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	65200			P	
7440-28-0	Thallium	3.5	B		P	J
7440-62-2	Vanadium	5.0	B		P	
7440-66-6	Zinc	4.3	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-SW52-1030 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil / water) Water Lab Sample ID: 20906102012

Level: (low / med) Date Received: 06/10/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	26.9	U		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	48.6	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	B		P	
7440-70-2	Calcium	78800			P	
7440-47-3	Chromium	0.7	B		P	
7440-48-4	Cobalt	0.6	B		P	
7440-50-8	Copper	5.3	B		P	
7439-89-6	Iron	11.3	B		P	
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	23200			P	
7439-96-5	Manganese	11.4	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.9	B		P	
7440-09-7	Potassium	3060	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	67900			P	
7440-28-0	Thallium	3.3	B		P	J
7440-62-2	Vanadium	4.3	B		P	
7440-66-6	Zinc	4.3	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-1030 (SW51) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209061020

Matrix: (soil / water) Water Lab Sample ID: 20906102013

Level: (low / med) Date Received: 06/10/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	26.9	U		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	47.3	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	79300			P	
7440-47-3	Chromium	0.7	B		P	
7440-48-4	Cobalt	0.5	B		P	
7440-50-8	Copper	5.6	B		P	
7439-89-6	Iron	8.8	B		P	
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	23200			P	
7439-96-5	Manganese	3.2	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3020	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	66200			P	
7440-28-0	Thallium	6.6	B		P	J
7440-62-2	Vanadium	4.2	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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