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REMEDIAL ACTION QUARTERLY MONITORING REPORT

FIRST QUARTER – 2009 (23 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 first quarter of 2009, which is the 23rd 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, cyanide, zinc, iron, and barium were detected above the CRQL as shown on Table 3. Cyanide concentrations exceed the trigger levels at two locations.

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, two locations have a corresponding trigger level detected above the CRQL. No samples were obtained from the SWD locations 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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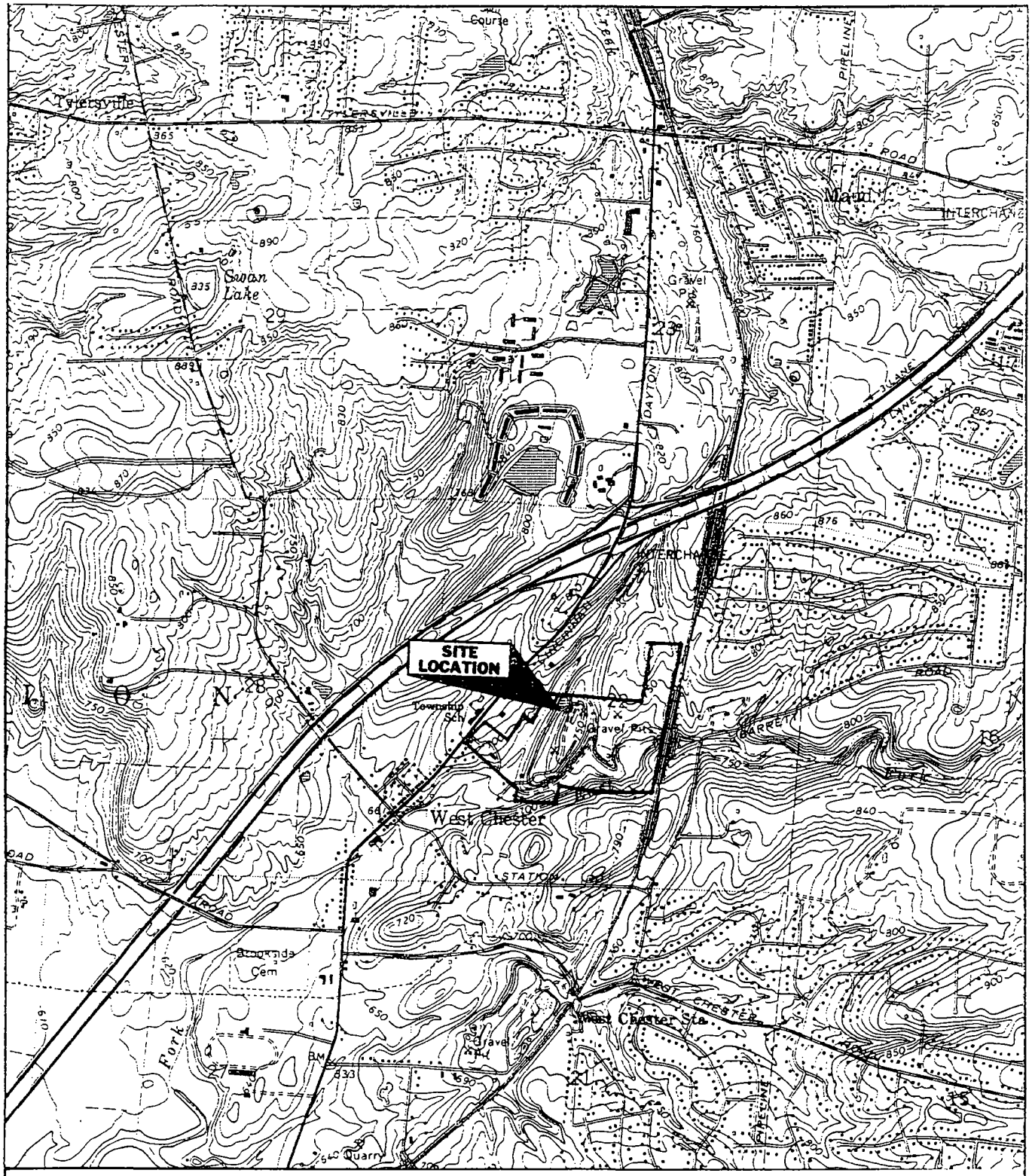

Base taken from USGS Glendale, Ohio
7.5' Topographic Quadrangle, photorevised 1987

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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)	February 18, 2009 Depth to Water (feet from top of casing)	February 18, 2009 Groundwater Elevation (MSL-feet)
Piezometers	P-1	G	685.42	687.65	9.03	678.62
	P-2	G	688.54	690.42	13.48	676.94
	P-3R	G	691.83	693.69	25.08	668.61
	P-4	G	700.32	702.63	4.78	697.85
	P-5	G	708.20	710.65	14.95	695.70
	P-6	G	707.45	710.59	11.19	699.40
	P-7	G	719.08	721.83	Dry	Dry
	P-8	G	747.70	749.91	30.48	719.43
	P-9R	G	760.12	763.58	17.81	745.77
	P-10R	G	761.87	765.84	27.84	738.00
	P-11R	G	760.39	763.38	31.46	731.92
	P-12R	G	750.11	753.60	38.15	715.45
Groundwater Monitoring Wells	GW-06R	S	683.89	685.91	7.91	678.00
	GW-07R	S	683.46	683.06	4.68	678.38
	GW-24	G	693.32	695.21	18.74	676.47
	GW-26	G	696.61	698.28	29.60	668.68
	GW-30	G	675.63	677.62	10.14	667.48
	GW-58	S	684.03	686.53	15.72	670.81
	GW-59	S	684.35	687.38	6.57	680.81
	GW-60	S	689.12	692.38	9.14	683.24
	GW-61	S	687.38	690.86	13.39	677.47
	GW-62A	S	690.19	692.38	29.25	663.13
	GW-62B	S	690.57	693.13	11.77	681.36
	GW-63	S	698.87	702.50	6.13	696.37
	GW-64	S	700.45	703.88	10.97	692.91
	GW-65	S	703.83	706.88	14.32	692.56
	GW-66	G	686.82	689.41	6.91	682.50
Gas Probes	GP-6	G	772.18	774.65	13.44	761.21
	GP-7	G	749.83	752.65	8.81	743.84

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

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
First Quarter 2009

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
GW-06R	—	—	—	—
GW-07R	—	—	*Iron*	—
GW-58	—	—	—	—
GW-59	—	—	—	—
GW-60	—	*	***Cyanide***	*
GW-61	—	—	*Iron,* ***Cyanide***	—
GW-62A	—	—	—	—
GW-62B	—	*	*Iron, Zinc*	*
GW-63	—	—	—	—
GW-64	—	—	—	—
GW-65	—	*	—	*
GW-24 (Perimeter Well)	—	—	*Iron*	—
GW-26 (Perimeter Well)	—	—	*Barium*	—
GW-30 (Perimeter Well)	—	—	*Iron, Barium*	—

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
First Quarter 2009

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

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

APPENDIX A

POTENTIONMETRIC SURFACE MAP

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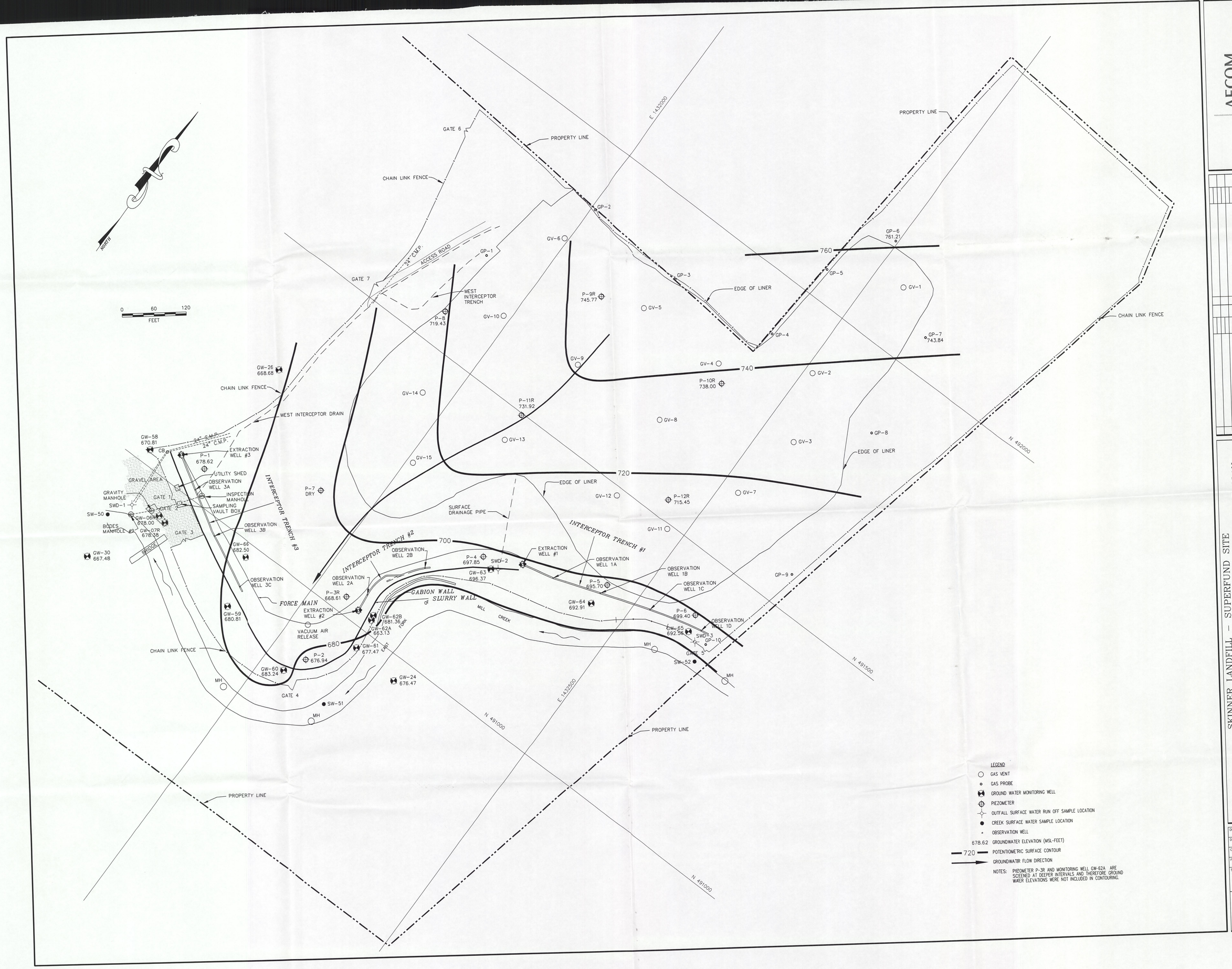
APPENDIX A



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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 – FEBRUARY 18, 2009

DESIGNED BY NW	DATE JUNE, 2009
DRAWN BY NW	DATE JUNE, 2009
CHECKED BY	DATE
FILE POT0209	EDIT NLW060209
SCALE 1"=60'	DRAWING 1:60
PLOT	
PROJECT 111005	

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SHEET NO.

APPENDIX B

SUMMARY OF ANALYTICAL RESULTS

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APPENDIX B

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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	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		200
Antimony	*4.0*	*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*	*60*	*60*
Arsenic	4.0 UJ	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	20	10
Barium	**227**	**214**	**266**	**219** J	144 B	199 B	**211** J	168 B	195 B	146 B	1,000	200
Beryllium	0.50	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	5	5
Cadmium	0.10	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	5	5
Calcium	192,000	200,000	182,000	166,000	214,000	199,000	180,000 J	229,000	164,000 J	223000		5,000
Chromium	4.2	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	11	10
Cobalt	2.2	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		50
Copper	1.4	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	25	25
Iron	**1,370**	**658**	**228**	**358**	**139**	69.6 B	**586**	60.0 B	8.1 U	24.8 B	7,000	100
Lead	1.8	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	4.2	3
Magnesium	33,600 J	34,700	32,500	29,100	35,500	35,800	34,200 J	43,600 J	29,500 J	39700		5,000
Manganese	325	144	175	262	364	6.5 B	132.0	451 J	226	19.0		15
Mercury	0.10	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	0.2	0.2
Nickel	0.50	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	96	40
Potassium	2,440	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		5,000
Selenium	4.9	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	8.5	5
Silver	1.0	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	10	10
Sodium	19,600	23,700	17,000 J	17,800	22,400	19,400	17,300 J	29,900 J	16,000 J	20300		5,000
Thallium	2.6	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	40	10
Vanadium	1.2	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		50
Zinc	0.70	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	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	2,190	20,100 J	3,790 J	3,720 J	2,670	141 J	457	1,190	11,500 J	178 J		
Antimony	4.0	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		
Arsenic	4.0 UJ	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		
Barium	263	526	352	283 J	183 B	195 B	214 J	251 J	313 J	144 J		
Beryllium	0.50	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		
Cadmium	0.10	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		
Calcium	210,000	456,000	218,000	210,000	240,000	197,000	173,000 J	235,000 J	303,000 J	235000		
Chromium	7.9	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		
Cobalt	4.1	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		
Copper	6.8	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		
Cyanide	0.70	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	10	10
Iron	6,920	45,700	9,620	9,420 J	8,000	523	2,090	4,050 J	25,500	465		
Lead	*5.6*	*65.4 J*	*12.1 J*	*12.3*	*5.9 J*	*0.80 UJ*	*3.4*	*4.8*	*21.1*	*1.6 UJ*		
Magnesium	39,500	136,000	46,300	48,200	50,100	35,600	34,300 J	475,000 J	88,000 J	41500		
Manganese	422 J	3,490	421	482 J	410	19.3	106.0	535 J	748	21.7		
Mercury	0.10	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		
Nickel	3.7	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		
Potassium	2,800	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		
Selenium	4.9 UJ	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		
Silver	1.0	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		
Sodium	20,400	26,400	18,000	18,300 J	22,400	18,700	17,000 J	18,000 J	16,400 J	23800		
Thallium	2.6	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		
Vanadium	1.2	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		
Zinc	16.7	200.0 J	47.4	40.8	25.6 J	11.5 J	20.7	4.8 B	67.7 J	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
	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]				Insufficient Volume					Insufficient Volume			
Aluminum	14.8	51.1	15.4 U	—	15.4 U	16.4 B	15.3 U	15.3 U	—	26.9 U		200
Antimony	4.0	4.1	2.4 U	—	2.4 U	2.4 U	1.6 U	1.6 U	—	4.8 U	60	60
Arsenic	4.0 UJ	5.3	2.4 U	—	2.4 U	2.9 B	2.5 U	2.5 U	—	3.6 U	20	10
Barium	109.0	90.0	92.6 B	—	62.8 B	93.2 B	88.0 J	59.3 B	—	41.8 B	1,000	200
Beryllium	0.50	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 U	—	2.3 U	5	5
Cadmium	0.10	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 U	—	0.2 U	5	5
Calcium	209,000	203,000	206,000	—	207,000	165,000	175,000 J	270,000	—	191000		5,000
Chromium	3.5	4.4	1.4 B	—	1.9 B	0.3 U	2.0 B	0.2 U	—	2.5 B	11	10
Cobalt	2.4	1.6	0.20 U	—	1.8 B	0.2 U	0.3 U	1.9 B	—	0.7 B		50
Copper	1.4	0.70	3.4 B	—	4.1 B	1.8 B	3.6 B	0.6 U	—	4.9 B	25	25
Iron	**1290**	**2870**	44.2 B	—	**231**	8.5 U	8.1 U	**419**	—	**244**	7,000	100
Lead	1.8	2.1 UJ	0.80 U	—	0.80 U	2.6 B	2.9 B	1.2 U	—	1.6 UJ	4.2	3
Magnesium	32,400	31,600	33,200	—	29,600	25,900	30,200 J	45,600 J	—	32500		5,000
Manganese	1,450 J	1,240	646	—	271	164	0.3 B	2,780 J	—	251		15
Mercury	0.10 UJ	0.10	0.10 U	—	0.10 U	0.10 U	0.10 UJ	0.10 U	—	0.1 U	0.2	0.2
Nickel	1.8	0.80	1.9 B	—	1.0 B	0.40 U	0.4 U	0.90 B	—	0.4 U	96	40
Potassium	2,830	1,860 J	2,290 B	—	1,590 J	2,250 B	1,620 B	2,660 B	—	1720 B		5,000
Selenium	4.9 UJ	4.5 UJ	3.9 U	—	3.9 R	3.9 U	3.1 U	3.1 U	—	3.3 UJ	8.5	5
Silver	1.0	2.1	0.30 U	—	0.30 U	0.30 U	0.4 U	0.50 B	—	1.4 B	10	10
Sodium	33,100	25,200	23,000 J	—	18,600	15,500	13,500 J	2,300 J	—	14300		5,000
Thallium	2.6	3.1	5.0 B	—	1.7 U	6.5 B	1.8 U	1.8 U	—	1.5 R	40	10
Vanadium	1.2	8.3	13.2 B	—	9.3 J	1.0 U	9.8 B	12.8 B	—	1.0 U		50
Zinc	6.6	1.1	10.0 B	—	10.9 J	11.3 B	17.1 B	1.1 B	—	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	3,950	1,270 J	4,680 J	—	4,210	115 J	77.7 B	1,220	—	263 J		
Antimony	4.0	4.1	2.4 UJ	—	2.4 UJ	2.4 U	1.6 U	1.6 U	—	4.8 U		
Arsenic	4.0 UJ	5.3	10.5	—	3.0 B	2.4 UJ	2.5 UJ	2.5 U	—	3.6 U		
Barium	241	131	292	—	178 B	104 B	95.0 J	115.0 J	—	57.9 J		
Beryllium	0.50	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 U	—	2.3 U		
Cadmium	0.10	0.10	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 UJ	—	0.2 U		
Calcium	229,000	214,000	232,000	—	229,000	152,000	177,000 J	304,000 J	—	200000		
Chromium	8.5	7.0	9.4 J	—	9.0 J	0.6 B	2.2 B	0.20 U	—	2.4 B		
Cobalt	4.5	2.5	4.4 B	—	6.2 B	0.2 U	0.3 U	2.9 B	—	0.6 B		
Copper	5.9	23.2 J	14.2 J	—	0.70 U	7.0 B	5.7 B	0.60 U	—	7.2 B		
Cyanide	0.6	1.6	0.60 U	—	0.60 U	0.60 U	0.6 U	2.7 B	—	0.2 U	10.0	10.0
Iron	9,090	7,280	13,700	—	8,420	273	151	4740.0 J	—	434		
Lead	4.0	2.1 UJ	8.9 J	—	7.0 J	0.80 U	3.3	3.1	—	1.6 UJ		
Magnesium	39,000	34,600	44,800	—	38,700	23,800	30,400 J	53,500 J	—	34000.0		
Manganese	1,650 J	1,320	1,280	—	477	84.5	21.5	2,830 J	—	75.3		
Mercury	0.10	0.10	0.10 UJ	—	0.10 U	0.10 U	0.10 U	0.10 U	—	0.1 U		
Nickel	7.0	2.1	10.4 B	—	8.7 J	0.40 U	0.40 U	4.3 B	—	0.4 U		
Potassium	3,800	2,250 J	3,320 J	—	2,550 B	3,040 J	1,890 B	3,190 J	—	1740 J		
Selenium	4.9 UJ	4.5 UJ	3.9 UJ	—	3.9 UJ	3.9 U	3.1 U	3.1 UJ	—	3.3 R		
Silver	1.0	2.1	0.30 U	—	0.30 U	0.30 U	0.40 UJ	0.40 U	—	1.1 B		
Sodium	33,200	25,400	23,300	—	18,900	16,300	13,700 J	24,800 J	—	14600		
Thallium	2.6	3.1	5.1 B	—	1.7 U	2.5 B	2.0 B	1.8 U	—	1.5 UJ		
Vanadium	1.5	11.8	22.4 J	—	17.6 J	1.0 U	11.6 B	13.8 B	—	1.0 U		
Zinc	17.0	16.3 J	46.7	—	32.5 J	21.3 J	18.9 B	4.2 B	—	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
	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	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		200
Antimony	4.0	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	60	60
Arsenic	4.0 UJ	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	20	10
Barium	153	**354**	124 B	106 J	125 B	117 B	129 J	114 B	122 B	113 B	1,000	200
Beryllium	0.50	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	5	5
Cadmium	0.10	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	5	5
Calcium	108,000	67,900	112,000	99,100	109,000	97,800	107,000 J	107,000	105,000 J	101000		5,000
Chromium	4.5	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	11	10
Cobalt	0.70	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		50
Copper	2.0	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	25	25
Iron	15.6	**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	7,000	100
Lead	1.8	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	4.2	3
Magnesium	37,400	31,700	31,600	30,100	32,700	28,700	33,100 J	31,700 J	31,600 J	29600		5,000
Manganese	167 J	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		15
Mercury	0.10	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	0.2	0.2
Nickel	0.50	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	96	40
Potassium	5,110	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		5,000
Selenium	4.9	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	8.5	5
Silver	1.0	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	10	10
Sodium	37,100	152,000	25,400 J	29,800	29,900	22,100	27,500 J	24,200 J	28,200 J	23000		5,000
Thallium	2.6	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	40	10
Vanadium	1.2	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		50
Zinc	0.7	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	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	4,100	7,290 J	27,700 J	3,340 J	37,200	2,230 J	475	1188 B	1,390 J	284 J		
Antimony	4.0	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		
Arsenic	4.0 UJ	5.3	53.1	2.4 U	22.1	10.0 UJ	2.5 UJ	2.5 U	5.3 B	4.0 J		
Barium	206	222	465	145 B	528	148 B	120 J	133 J	135 J	122 J		
Beryllium	0.5	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		
Cadmium	0.1	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		
Calcium	180,000	203,000	382,000	123,000	474,000	120,000	95,600 J	124,000 J	114,000 J	109000		
Chromium	13.5	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		
Cobalt	4.9	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		
Copper	9.5	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		
Cyanide	0.60	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	10	10
Iron	11,100	18,600	78,000	7,410	104,000	5,710	1,260	859 J	2,890	769		
Lead	5.8	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		
Magnesium	51,100	54,200	93,400	36,200	112,000	34,000	30,000 J	35,100 J	33,000 J	31500		
Manganese	480 J	656	2,510	232	3,240	147	45.4	30.2 J	92.0	24.2		
Mercury	0.10	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		
Nickel	8.7	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		
Potassium	6,070	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		
Selenium	4.9 UJ	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		
Silver	1.1 J	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		
Sodium	35,700	35,500	25,200	26,900	31,700	22,700	25,200 J	27,000 J	23,800 J	23400		
Thallium	2.6	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		
Vanadium	1.2	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		
Zinc	25.4	231 J	240	23.9	274.0 J	27.4 J	15.1 B	0.50 U	0.50 UJ	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.
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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
	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	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		200
Antimony	4.0	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	60	60
Arsenic	4.0 UJ	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	20	10
Barium	45.0	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	1,000	200
Beryllium	0.50	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	5	5
Cadmium	0.10	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	5	5
Calcium	199,000	183,000	179,000	187,000	182,000	153,000	155,000 J	208,000 U	189,000 J	191000		5,000
Chromium	5.2	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	11	10
Cobalt	0.70	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		50
Copper	3.8	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	25	25
Iron	12.9	8.1	**137**	8.5 U	16.6 B	17.9 B	8.1 U	8.1 U	53.0 B	5.3 U	7,000	100
Lead	1.8	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	4.2	3
Magnesium	39,800	32,500	37,800	40,000	35,800	28,000	25,200 J	43200 J	43,100 J	37400		5,000
Manganese	28.8 J	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		15
Mercury	0.10	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	0.2	0.2
Nickel	0.50	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	96	40
Potassium	23,800	16,200 J	14,500	15,500 J	17,900 J	13,000	11,100	17,800	12,200 J	16700		5,000
Selenium	4.9 UJ	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	8.5	5
Silver	1.0	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	10	10
Sodium	107,000	74,700	88,000 J	97,800 J	94,000	60,800	41,800 J	95,500 J	90,500 J	83100		5,000
Thallium	2.6	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	40	10
Vanadium	1.2	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		50
Zinc	4.3	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	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	2,570	2,120 J	7,750 J	1,900 J	17,100	718 J	451	674	578 J	251 J		
Antimony	4.0	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		
Arsenic	4.0 UJ	5.3	19.0	2.4 U	18.2	2.4 UJ	2.5 UJ	2.5 U	6.7 B	5.3 J		
Barium	126.0	65.9	253.0	58.8 J	467	43.9 B	46.8 B	60.3 J	53.9 J	50.0 J		
Beryllium	0.5	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		
Cadmium	0.1	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		
Calcium	197,000	193,000	226,000	195,000	291,000	111,000	136,000 J	209,000 J	207,000 J	203000		
Chromium	14.7	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		
Cobalt	4.5	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		
Copper	6.6	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		
Cyanide	0.60	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	10	10
Iron	8,570	6,840	24,000	5,630 J	52,600	2,160	1,440	2,430 J	1,620	671		
Lead	4.4	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		
Magnesium	40,500	34,600	47,000	41,000	61,900	18,300	21,800 J	425,000 J	45,200 J	36900		
Manganese	575 J	260	1,630	197 J	2,970	61.6	47.7	181 J	94.8	30.5		
Mercury	0.1	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		
Nickel	10.7	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		
Potassium	22,400	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		
Selenium	4.9 UJ	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		
Silver	1.0	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		
Sodium	102,000	76,400	86,500	96,100 J	95,600	28,600	36,800 J	95,300 J	93,600 J	77900		
Thallium	2.6	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		
Vanadium	1.2	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		
Zinc	34.2	18.7 J	86.7	32.8	135 J	26.2 J	17.0 B	0.50 U	0.50 UJ	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-60

Compound	Quarterly Sampling Results (All Results Expressed in Units of mg/l)										TRIGGER LEVEL	CRQL
	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]			Insufficient Volume	Insufficient Volume				Insufficient Volume	Insufficient Volume			
Aluminum	37.7 J	29.1	—	—	15.4 U	15.4 U	15.3 U	—	—	28.6 B		200
Antimony	4.0	4.1	—	—	2.4 U	2.4 U	1.6 U	—	—	4.8 U	60	60
Arsenic	4.0	5.3	—	—	2.4 U	2.4 U	2.5 U	—	—	3.6 U	20	10
Barium	68.9 J	57.8	—	—	57.3 B	64.1 B	87.4 J	—	—	59.9 B	1,000	200
Beryllium	0.50	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	2.3 U	5	5
Cadmium	0.10	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	0.2 U	5	5
Calcium	209,000	276,000	—	—	204,000	160,000	124,000 J	—	—	153000		5,000
Chromium	2.7 J	5.9	—	—	2.5 B	1.2 B	1.4 B	—	—	2.7 B	11	10
Cobalt	0.70	0.40	—	—	0.20 U	0.20 U	0.30 U	—	—	0.5 U		50
Copper	4.9	0.70	—	—	5.60 B	3.80 B	3.6 B	—	—	5.7 B	25	25
Iron	48.9	10.5	—	—	23.7 B	8.5 U	8.1 U	—	—	5.3 U	7,000	100
Lead	1.8	2.1 UJ	—	—	0.80 U	0.80 U	2.9 B	—	—	1.6 UJ	4.2	3
Magnesium	39,600	81,200	—	—	28,100	23,800	16,100 J	—	—	35500		5,000
Manganese	0.3	0.2	—	—	3.7 B	0.30 U	0.20 U	—	—	0.5 U		15
Mercury	0.10	0.10	—	—	0.10 U	0.10 U	0.10 UJ	—	—	0.1 U	0.2	0.2
Nickel	0.50	0.80	—	—	0.40 U	0.40 U	0.40 U	—	—	0.4 U	96	40
Potassium	8,560 J	5,400 J	—	—	7,430 J	6,650	9,980	—	—	6120		5,000
Selenium	4.9 UJ	4.5 UJ	—	—	3.9 R	3.9 U	3.2 B	—	—	3.3 UJ	8.5	5
Silver	1.0	2.1	—	—	0.30 U	0.30 U	0.40 U	—	—	1.2 B	10	10
Sodium	25,000	22,800	—	—	20,100	15,100	7,300 J	—	—	11900		5,000
Thallium	2.6	3.1	—	—	1.7 U	4.3 B	1.8 U	—	—	1.5 R	40	10
Vanadium	11.1	16.3	—	—	9.1 J	1.6 B	4.3 B	—	—	1.0 U		50
Zinc	5.9	1.1	—	—	10.4 J	9.1 B	10.1 B	—	—	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	10,600 J	9,480 J	—	—	2,590	110 J	127 B	—	—	355 J		
Antimony	4.0	4.1	—	—	2.4 UJ	2.4 U	1.6 U	—	—	4.8 U		
Arsenic	4.0	5.3	—	—	2.4 U	2.4 UJ	2.5 U	—	—	3.6 U		
Barium	107 J	95.9	—	—	77.8 B	68.6 B	88.4 J	—	—	66.7 J		
Beryllium	0.70	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	2.3 U		
Cadmium	0.10	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	0.2 U		
Calcium	222,000	319,000	—	—	207,000	144,000	122,000 J	—	—	168000		
Chromium	29.1 J	22.1	—	—	6.6 J	1.9 B	1.8 B	—	—	2.9 B		
Cobalt	11.0	9.5	—	—	2.4 B	0.20 U	0.30 U	—	—	0.5 U		
Copper	14.3	35.7 J	—	—	0.70 U	9.10 B	5.3 B	—	—	8.1 B		
Cyanide	—	3.8	—	—	0.60 U	0.60 U	0.60 U	—	—	**218**	10	10
Iron	25,100	21,800	—	—	6,070	285	307	—	—	816		
Lead	12.2	11.7 J	—	—	3.6 J	0.80 UJ	1.5 B	—	—	1.6 UJ		
Magnesium	47,800	88,100	—	—	29,500	21,500	16,400 J	—	—	37400		
Manganese	833 J	628	—	—	187	6.6 B	15.5	—	—	25.0		
Mercury	0.10	0.10	—	—	0.10 U	0.10 U	0.10 UJ	—	—	0.1 U		
Nickel	20.9	17.9	—	—	4.2 J	0.40 U	0.40 U	—	—	0.4 U		
Potassium	9,590 J	7,660 J	—	—	8,170	7,430 J	9,910	—	—	6760 J		
Selenium	4.9 UJ	4.5 UJ	—	—	3.9 UJ	3.9 U	3.6 B	—	—	3.3 R		
Silver	2.0	2.1	—	—	0.30 U	0.30 U	0.40 U	—	—	0.6 B		
Sodium	23,000	24,000	—	—	19,700	13,200	7,450 J	—	—	12700		
Thallium	2.6	3.1	—	—	1.7 U	2.7 B	1.8 U	—	—	1.5 UJ		
Vanadium	30.7	34	—	—	11.3 J	1.0 U	4.6 B	—	—	1.0 U		
Zinc	72.6	63.7 J	—	—	18.5 J	15.4 J	12.6 B	—	—	4.3 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	—	BRL	BRL	BRL	—	—	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	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
	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	29.1	15.4 U	15.4 U	15.4 U	15.4 U	266	15.3 U	32.4 B	26.9 U		200
Antimony	4.0	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	60	60
Arsenic	4.0	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	20	10
Barium	45.5 J	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	1,000	200
Beryllium	0.50	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	5	5
Cadmium	0.10	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	5	5
Calcium	258,000	282,000	245,000	241,000	419,000	362,000	252,000 J	222,000	322,000 J	469000		5,000
Chromium	2.0 J	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	11	10
Cobalt	2.1	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		50
Copper	3.0	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	25	25
Iron	**162**	**299**	18.6 B	14.5 B	**4,390**	20.9 B	**1,660**	31.2 B	**713**	**645**	5,000	100
Lead	1.8	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	4.2	3
Magnesium	52,900	60,300	50,000	47,900	75,800	77,600	51,400 J	54,800 J	74,400 J	93200		5,000
Manganese	1,050 J	385	103	179	714	118	291	227 J	881	433		15
Mercury	0.10	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	0.2	0.2
Nickel	4.8	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	96	40
Potassium	7,740 J	7,330 J	7,180	8,010 J	14,000 J	13,300	8,870	9,240	10,700 J	14500		5,000
Selenium	4.9 UJ	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	8.5	5
Silver	1.0	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	10	10
Sodium	48,400	57,500	38,400 J	47,800 J	68,100	53,700	49,500 J	78,000 J	98,200 J	66100		5,000
Thallium	2.6	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	40	10
Vanadium	11.7	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		50
Zinc	5.7	1.1	**28.5**	15.7 B	14.7 J	16.8 B	**21.5**	0.50 U	0.50 UJ	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	*3,250 J*	*12,200 J*	*919 J*	*130 J*	*1,780*	*23.6 J*	*15.3 U*	*15.3 U*	*225 J*	*32.2 J*		
Antimony	4.0	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		
Arsenic	4.0	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		
Barium	80.7 J	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		
Beryllium	0.5	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		
Cadmium	0.1	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		
Calcium	297,000	450,000	259,000	241,000	42,900	380,000	292,000 J	334,000 J	312,000 J	457000		
Chromium	12.3 J	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		
Cobalt	4.9	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		
Copper	10.1	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		
Cyanide	0.6	0.6	1.0 B	3.1 B	0.60 U	0.60 U	0.60 U	1.0 B	0.60 U	**196**	10	10
Iron	11,000	36,300	2,750	420 J	9,040	188	1,390	133 J	934	161		
Lead	4.0	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		
Magnesium	60,900	98,400	51,300	46,900	80,800	75,700	63,700 J	66,000 J	65,000 J	89300		
Manganese	1,280 J	1,340	167	172 J	523	50.1	486	240 J	106	336		
Mercury	0.1	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		
Nickel	12.9	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		
Potassium	8,650 J	10,300 J	7,480 J	7,920	15,300	14,300 J	9,530	13,000 J	11,700 J	14700 J		
Selenium	4.9 UJ	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		
Silver	1.0	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		
Sodium	47,500	53,100	39,300	45,000 J	65,800	50,000	61,400 J	51,700 J	65,000 J	57000		
Thallium	2.6	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		
Vanadium	19.5	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		
Zinc	35.2	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		
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
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]											
Aluminum	29.1	38.8 B	31.0 B	377	15.4 U	15.3 U	15.3 U	15.3 U	26.9 U		200
Antimony	4.7	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 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	2.5 U	3.6 U	20	10
Barium	97.7	90.1 B	91.8 J	110 B	101 B	88.9 J	98.9 B	97.8 B	105 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	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	5	5
Calcium	130,000	119,000	115,000	123,000	119,000	114,000 J	127,000	115,000 J	111000		5,000
Chromium	2.3	2.2 B	2.3 B	4.3 B	0.40 B	2.5 B	0.20 U	0.20 U	2.9 B	11	10
Cobalt	0.40	0.20 U	0.40 B	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.5 U		50
Copper	0.70	3.8 B	2.5 B	6.8 B	4.6 B	4.7 B	3.5 B	0.60 U	6.1 B	25	25
Iron	8.1	58.4 B	**202**	**625**	8.5 U	8.1 U	8.1 U	8.1 U	5.3 U	7,000	100
Lead	2.1 UJ	0.80 U	0.80 U	0.80 U	0.80 U	2.8 B	1.3 B	1.2 U	1.6 UJ	4.2	3
Magnesium	48,100	41,600	40,400	44,000	44,000	40,700 J	46,300 J	41,100 J	41200		5,000
Manganese	12.8	5.3 B	128	140	0.30 U	0.20 U	33.4 J	2.3 B	120		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	0.2	0.2
Nickel	0.80	0.40 U	1.2 B	2.1 B	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	96	40
Potassium	9,340 J	7,010	7,530	8,110 J	7,220	6,200	7,300	6,740 J	7180		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 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	0.40 U	1.0 B	10	10
Sodium	118,000	92,500 J	101,000	108,000	103,000	96,300 J	106,000 J	101,000 J	104000		5,000
Thallium	3.1	3.1 B	1.7 UJ	1.7 U	5.5 B	1.8 U	1.8 U	1.8 U	1.5 R	40	10
Vanadium	13.2	13.7 B	5.7 B	13.5 J	2.5 B	12.4 B	11.5 B	3.3 B	1.0 U		50
Zinc	1.1	**23.0**	16.0 B	10.8 J	7.9 B	14.4 B	0.50 U	0.50 UJ	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	3,140 J	12,500 J	5,460	12,300	5,190 J	228	192 B	1,190 J	483 J		
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		
Arsenic	5.3	20.8 J	2.4 UJ	7.5 B	2.4 UJ	2.5 UJ	2.5 U	4.0 B	3.6 U		
Barium	161	405	183 B	354	218	95.4 J	107 J	108 J	125 J		
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.20 B	0.10 U	0.10 U	0.10 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		
Calcium	150,000	217,000	161,000	207,000	166,000	117,000 J	134,000 J	119,000 J	127000		
Chromium	16.0	39.2 J	16.2	35.1 J	15.3	3.3 B	0.20 U	1.6 B	3.9 B		
Cobalt	3.0	16.0 B	5.7 B	12.3 B	5.6 B	0.30 U	0.30 U	0.30 U	0.5 U		
Copper	30.9 J	31.7 J	16.6 B	17.2 J	14.2 B	6.1 B	6.0 B	1.1 B	7.8 B		
Cyanide	7.1	0.60 U	—	0.60 U	0.60 U	0.60 U	0.90 B	0.60 U	0.2 U	10.0	10.0
Iron	7,350	35,100	14,400	30,900	13,600	629	1,020 J	2,940	1270		
Lead	5.3	26.5 J	13.7	22.9 J	5.9 J	2.0 B	3.3 J	3.0 UJ	1.6 UJ		
Magnesium	51,000	60,700	50,100	59,700	54,400	42,800 J	47,100 J	39,800	46400		
Manganese	276	1,290	614	981	395	14.4 B	51.5 J	74.8	159		
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		
Nickel	7.4	41.9	15.8 B	35.6 J	16.0 B	0.80 B	0.40 U	1.9 B	0.7 B		
Potassium	8,490 J	9,530 J	8,620	10,600	9,290 J	6,610	7,230 J	6,400 J	7770 J		
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		
Silver	3.3	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.0 B		
Sodium	118,000	96,500	105,000	111,000	113,000	102,000 J	105,000 J	96,500 J	11000		
Thallium	3.1	1.7 U	1.7 U	1.7 U	3.9 B	1.8 U	1.8 UJ	1.8 U	1.5 UJ		
Vanadium	18.8	40.0 J	19.6 B	35.7 J	8.1 B	12.4 B	9.2 B	4.5 B	1.0 U		
Zinc	31.3 J	164	55.0	95.9 J	53.1 J	14.7 B	0.50 U	0.50 UJ	4.3 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

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

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

	Quarterly Sampling Results (All Results Expressed in Units of µg/l)											
Compound	**Nov-06**	**Mar-07**	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume				Insufficient Volume			
Aluminum	—	—	—	—	—	200.0 U	15.9 B	15.3 U	32.9 B	215		**200**
Antimony	—	—	—	—	—	60.0 U	1.6 U	1.6 U	1.6 U	4.8 U	60	**60**
Arsenic	—	—	—	—	—	10.0 U	2.5 U	2.5 UJ	2.5 U	3.6 U	20	**10**
Barium	—	—	—	—	—	21.9 B	41.8 J	130 B	**227**	32.3 B	1,000	**200**
Beryllium	—	—	—	—	—	5.0 U	0.10 U	0.1 U	0.1 U	2.3 U	5	**5**
Cadmium	—	—	—	—	—	5.0 U	0.10 U	0.1 U	0.1 U	0.2 U	5	**5**
Calcium	—	—	—	—	—	239,000	273,000 J	340,000	310,000 J	248000		**5,000**
Chromium	—	—	—	—	—	0.50 B	3.3 B	0.2 U	0.2 U	3.7 B	11	**10**
Cobalt	—	—	—	—	—	50.0 U	0.50 B	7.9 B	10.6 B	1.4 B		**50**
Copper	—	—	—	—	—	4.3 B	4.6 B	0.6 U	1.8 B	7.1 B	25	**25**
Iron	—	—	—	—	—	11.5 B	8.1 U	**169**	41.9 B	**569**	7,000	**100**
Lead	—	—	—	—	—	1.2 B	**3.1**	1.9 B	1.2 U	1.6 UJ	4.2	**3**
Magnesium	—	—	—	—	—	48,600	56,700 J	83,700 J	82,300 J	48400		**5,000**
Manganese	—	—	—	—	—	15.0 U	223	3,770 J	2,700	127		**15**
Mercury	—	—	—	—	—	0.20 U	0.10 UJ	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	96	**40**
Potassium	—	—	—	—	—	3,220 B	1,000	20,000	20,200 J	5430		**5,000**
Selenium	—	—	—	—	—	5.0 U	3.1 U	4.2 J	3.1 UJ	3.3 UJ	8.5	**5**
Silver	—	—	—	—	—	0.30 B	0.40 U	0.8 B	0.5 B	1.1 B	10	**10**
Sodium	—	—	—	—	—	33,900	54,500 J	72,600 J	75,400 J	41800		**5,000**
Thallium	—	—	—	—	—	3.4 B	1.8 U	1.8 U	1.8 U	1.5 R	40	**10**
Vanadium	—	—	—	—	—	1.7 B	16.0 B	11.4 B	4.7 B	1.0 U		**50**
Zinc	—	—	—	—	—	**32.3**	**52.6**	**23.7**	**32.7** J	**25.6**	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		
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
	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	29.1	15.4 U	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U	583	38.6 B		**200**
Antimony	4.0	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	60	**60**
Arsenic	4.0	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	20	**10**
Barium	*39.8 J*	*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*	*1,000*	***200***
Beryllium	0.50	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	5	**5**
Cadmium	0.10	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	5	**5**
Calcium	277,000	320,000	213,000	240,000	392,000	271,000	266,000 J	343,000	290,000 J	336000		**5,000**
Chromium	2.5 J	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	11	**10**
Cobalt	1.3	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		**50**
Copper	2.9	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	25	**25**
Iron	**173**	15.1	**114**	8.5 U	47.8 B	8.5 U	**265**	8.1 U	**1,440**	5.3 U	7,000	**100**
Lead	1.8	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	4.2	**3**
Magnesium	65,900	80,300	49,900	51,900	93,500	69,900	65,600 J	81,100 J	70,200 J	80000		**5,000**
Manganese	985 J	441	1,300	887 J	107	12.7 B	1,470	1,520 J	832	12.2 B		**15**
Mercury	0.10	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	0.2	**0.2**
Nickel	2.3	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	96	**40**
Potassium	6,300 J	6,640 J	5,440	6,680 J	5,620 J	3,550 B	5,390	7,500	6840 J	5300		**5,000**
Selenium	4.9 UJ	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	8.5	**5**
Silver	1.0	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	10	**10**
Sodium	44,800	48,400	33,100 J	49,400 J	59,600	31,700	40,100 J	65,700 J	65,200 J	46000		**5,000**
Thallium	2.6	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	40	**10**
Vanadium	15.2	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		**50**
Zinc	9.2	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	86	**20**
Inorganics - Metals and Cyanide (Total)												
Aluminum	13,100 J	17,600 J	13,200 J	1,730 J	6,970	1,370 J	3,550	882	5,080 J	3190 J		
Antimony	4.0	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		
Arsenic	4.0	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		
Barium	118 J	124	119 B	53.1 J	64.6 B	29.0 B	49.7 J	52.0 J	70.3 J	42.1 J		
Beryllium	0.80	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		
Cadmium	0.10	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		
Calcium	351,000	507,000	305,000	266,000	426,000	272,000	267,000 J	348,000 J	355,000	349000		
Chromium	31.2 J	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		
Cobalt	13.4	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		
Copper	23.3	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		
Cyanide	0.6	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	10	**10**
Iron	32,100	40,600	33,700	4,620 J	15,600	2,700	7,590	2,360 J	11,200	6770		
Lead	16.0	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		
Magnesium	83,700	114,000	73,500	56,600	103,000	70,700	64,600 J	82,700 J	83,600 J	82400		
Manganese	2,150 J	2,160	2,390	1,220 J	734	164	1,060	687 J	986	331		
Mercury	0.1	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		
Nickel	29.1	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		
Potassium	8,240 J	9,330 J	7,990 J	7,570 J	7,150	4,080 J	6,250	7,600 J	8,170 J	5990 J		
Selenium	4.9 UJ	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		
Silver	2.5	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		
Sodium	45,300	46,900	38,500	54,800 J	63,500	30,100	36,600 J	65,400 J	66,300 J	46200		
Thallium	2.6	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		
Vanadium	41.1	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		
Zinc	99	142 J	115	23.6	55.0 J	19.4 J	38.5	0.50 U	14.7 J	15.5 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
	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	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		200
Antimony	4.0	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	60	60
Arsenic	4.0	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	20	10
Barium	34.3 J	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	1,000	200
Beryllium	0.50	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	5	5
Cadmium	0.10	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	5	5
Calcium	166,000	179,000	168,000	164,000	188,000	166,000	151,000 J	194,000	181,000 J	174000		5,000
Chromium	2.5 J	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	11	10
Cobalt	0.70	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		50
Copper	3.8	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	25	25
Iron	12.9	8.1	59.2 B	8.5 U	21.6 B	8.5 U	8.1 U	8.1 U	**160**	5.3 U	7,000	100
Lead	1.8	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	4.2	3
Magnesium	52,500	57,100	51,700	49,600	58,800	54,000	51,500 J	62,900 J	55,100 J	54500		5,000
Manganese	264.0 J	147	302	269	787	1150	2,080	619.0 J	611	398		15
Mercury	0.10	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	0.2	0.2
Nickel	2.4	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	96	40
Potassium	7,530 J	9,720 J	7,890	8,920 J	20,100 J	12,400	17,100	17,100	7,600 J	9160		5,000
Selenium	4.9 UJ	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	8.5	5
Silver	1.0	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	10	10
Sodium	35,600	42,200	36,700 J	39,600 J	55,300	39,400	41,300 J	52,900 J	45,900 J	36800		5,000
Thallium	2.6	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	40	10
Vanadium	12.7	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		50
Zinc	7.8	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	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	15,900 J	11,000 J	13,700 J	1,780 J	15,600	1,730 J	583	333	6670 J	135 J		
Antimony	4.0	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		
Arsenic	4.0	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		
Barium	79.3 J	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		
Beryllium	0.80	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		
Cadmium	0.10	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		
Calcium	277,000	280,000	230,000	186,000	252,000	228,000	167,000 J	206,000 J	198,000 J	195000		
Chromium	41.2 J	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		
Cobalt	17.7	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		
Copper	11.7	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		
Cyanide	0.6	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	10	10
Iron	39,500	22,900	31,800	4,080 J	37,200	2,690	2,030	1,300 J	14,500	405		
Lead	8.3	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		
Magnesium	70,800	78,000	62,500	53,600	71,600	64,800	56,700 J	66,000 J	59,300 J	61600		
Manganese	2,430 J	2,290	1,920	702 J	3,830	1,200	2,690	793 J	1,330	646		
Mercury	0.1	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		
Nickel	36.0	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		
Potassium	11,200 J	17,000 J	11,900 J	8,710 J	22,100	10,400 J	20,800	20,400 J	9,480 J	12500 J		
Selenium	4.9 UJ	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		
Silver	4.3	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		
Sodium	39,500	59,600	40,600	39,500 J	56,600	38,200	47,400 J	59,000 J	45,300 J	44200		
Thallium	2.6	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		
Vanadium	41.1	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		
Zinc	88.5	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		
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
	Sep-06	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume	Insufficient Volume			Insufficient Volume			
Aluminum	—	—	—	—	—	—	15.4 U	88.5 B	—	38.2 B		200
Antimony	—	—	—	—	—	—	2.4 U	1.6 U	—	4.8 U	60	60
Arsenic	—	—	—	—	—	—	2.4 UJ	2.5 U	—	3.6 U	10	10
Barium	—	—	—	—	—	—	31.0 B	28.5 J	—	19.3 B	1,000	200
Beryllium	—	—	—	—	—	—	0.10 U	0.10 U	—	2.3 U	5	5
Cadmium	—	—	—	—	—	—	0.10 U	0.10 U	—	0.2 U	5	5
Calcium	—	—	—	—	—	—	169,000	190,000 J	—	187000		5,000
Chromium	—	—	—	—	—	—	0.30 U	6.4 B	—	7.7 B	11	10
Cobalt	—	—	—	—	—	—	0.20 U	0.3 U	—	0.5 U		50
Copper	—	—	—	—	—	—	1.3 B	3.2 B	—	5.1 B	25	25
Iron	—	—	—	—	—	—	**124**	8.1 U	—	5.3 U	5,000	100
Lead	—	—	—	—	—	—	0.80 UJ	2.3 B	—	1.6 UJ	4.2	3
Magnesium	—	—	—	—	—	—	108,000	138,000 J	—	139000		5,000
Manganese	—	—	—	—	—	—	0.30 U	0.20 U	—	0.5 U		15
Mercury	—	—	—	—	—	—	0.10 U	0.10 UJ	—	0.1 U	0.2	0.2
Nickel	—	—	—	—	—	—	0.40 U	0.40 U	—	0.4 U	96	40
Potassium	—	—	—	—	—	—	3,870 B	3980.0 B	—	4220 B		5,000
Selenium	—	—	—	—	—	—	3.9 U	3.1 U	—	5.0 J	8.5	5
Silver	—	—	—	—	—	—	0.30 U	0.40 U	—	1.1 B	10	10
Sodium	—	—	—	—	—	—	30,000	31800.0 J	—	33400		5,000
Thallium	—	—	—	—	—	—	3.8 B	1.8 U	—	1.5 R	40	10
Vanadium	—	—	—	—	—	—	1.0 U	29.1 B	—	1.0 U		50
Zinc	—	—	—	—	—	—	9.4 B	14.4 B	—	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	—	—	—	—	—	—	2,610	2,450	—	1200 J		
Antimony	—	—	—	—	—	—	60.0 U	1.6 U	—	4.8 U		
Arsenic	—	—	—	—	—	—	10.0 UJ	2.5 UJ	—	3.6 U		
Barium	—	—	—	—	—	—	48.3 B	40.6 J	—	25.7 J		
Beryllium	—	—	—	—	—	—	0.10 B	0.10 U	—	2.3 U		
Cadmium	—	—	—	—	—	—	5.00 U	0.10 U	—	0.2 U		
Calcium	—	—	—	—	—	—	181,000	191000.0 J	—	196000		
Chromium	—	—	—	—	—	—	6.7 B	12.5	—	9.8 B		
Cobalt	—	—	—	—	—	—	2.5 B	2.5 B	—	1.7 B		
Copper	—	—	—	—	—	—	6.7 B	9.1 B	—	10.6 B		
Cyanide	—	—	—	—	—	—	10.0 U	0.60 U	—	0.2 U	10	10
Iron	—	—	—	—	—	—	7,680	7,060	—	3030		
Lead	—	—	—	—	—	—	4.4 J	7.7	—	1.6 UJ		
Magnesium	—	—	—	—	—	—	114,000	139,000 J	—	141000		
Manganese	—	—	—	—	—	—	232	192	—	103		
Mercury	—	—	—	—	—	—	0.20 U	0.10 UJ	—	0.1 U		
Nickel	—	—	—	—	—	—	5.9 B	4.7 B	—	1.9 B		
Potassium	—	—	—	—	—	—	4,630 J	4,740 B	—	4750 J		
Selenium	—	—	—	—	—	—	5.0 U	3.1 U	—	3.3 R		
Silver	—	—	—	—	—	—	10.00 U	0.40 U	—	1.3 B		
Sodium	—	—	—	—	—	—	31,600	32,500 J	—	34900		
Thallium	—	—	—	—	—	—	4.1 B	2.5 B	—	1.5 UJ		
Vanadium	—	—	—	—	—	—	4.5 B	34.3 B	—	1.0 U		
Zinc	—	—	—	—	—	—	31.5 J	30.7	—	4.3 U		
Volatile Organic Compounds (VOCs)	BRL	—	BRL	BRL	—	BRL	BRL	BRL	—	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	—	—	BRL	—	BRL	BRL	—	—	—		
Pesticides / PCBs	BRL	—	—	—	—	BRL	BRL	—	—	—		

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

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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]							No Flow				
Aluminum	16.4	15.4 U	19.7 B	15.4 U	15.4 U	26.0 B	—	15.3 U	34.1 B		200
Antimony	5.7	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	—	1.6 U	4.8 U	60	60
Arsenic	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	—	10.0 B	3.6 U	20	10
Barium	37.8	45.4 B	67.6 B	36.5 B	37.9 B	44.8 B	—	30.9 B	45.1 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	2.30 U	5	5
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.10 U	0.20 U	5	5
Calcium	84,900	74,800	103,000	69,800	77,300	80,600	—	70,500 J	96,600		5,000
Chromium	1.8	1.1 B	2.4 B	1.7 B	0.8 B	1.4 B	—	0.20 U	1.90 B	11	10
Cobalt	0.60	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	—	0.30 U	0.50 U		50
Copper	0.7	4.1 B	0.7 U	4.2 J	3.3 B	2.3 B	—	0.60 U	5.60 B	25	25
Iron	10.5	9.3 B	10.2 B	43.7 B	8.5 U	8.1 U	—	8.1 U	5.3 U	7,000	100
Lead	1.4 UJ	0.80 U	0.80 U	0.80 U	0.80 U	1.8 B	—	1.2 U	1.6 UJ	4.2	3
Magnesium	21,200	22,900	29,200	17,400	20,200	21,100	—	18,600 J	25,700		5,000
Manganese	7.5	13.7 B	3.5 B	4.0 B	0.3 U	0.40 B	—	0.20 U	0.70 B		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	0.2	0.2
Nickel	0.40	0.40 U	0.40 U	0.40 U	0.40 U	0.50 B	—	0.40 U	0.40 U	96	40
Potassium	2,830	3,130 B	4,760 J	2,410 B	1,640 B	2,640 B	—	2,800 J	2,400 B		5,000
Selenium	3.5 R	3.9 U	3.9 UJ	3.9 UJ	3.9 U	3.1 U	—	3.1 UJ	3.3 UJ	8.5	5
Silver	1.1	0.30 U	0.30 B	0.30 U	0.30 U	0.40 U	—	0.40 U	0.60 B	10	10
Sodium	79,400	42,400	42,500	42,400	56,300	34,500	—	41,100 J	97,300		5,000
Thallium	4.1	3.0 B	3.3 B	3.1 B	3.1 B	3.5 B	—	1.8 U	1.5 UJ	40	10
Vanadium	7.0	9.7 B	1.1 B	2.8 B	1.0 U	6.5 B	—	0.90 B	1.00 U		50
Zinc	1.1	3.1 B	8.8 B	8.9 B	8.0 B	10.6 B	—	0.50 UJ	4.30 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	609	15.4 U	36.9 B	302	111 B	299	—	24.8 B	173 B		
Antimony	4.0	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	—	1.6 U	4.8 U		
Arsenic	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	—	8.9 B	3.6 U		
Barium	42.2	43.9 B	68.8 B	40.5 B	39.0 B	47.3 B	—	32.1 J	47.2 B		
Beryllium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.10 U	2.3 U		
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.10 U	0.20 U		
Calcium	85,300	71,900	106,000	74,100	78,300	78,000	—	73,200 J	98,800		
Chromium	3.0	1.0 B	2.5 B	2.1 B	0.70 B	1.9 B	—	0.20 U	2.1 B		
Cobalt	0.60	0.20 U	0.20 U	0.20 J	0.20 U	0.30 U	—	0.30 U	0.50 U		
Copper	0.70	3.8 B	0.70 U	4.7 B	3.5 B	3.3 B	—	0.60 U	6.7 B		
Cyanide	0.60	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	—	0.60 U	0.70 B	10	10
Iron	1010	35.1 B	71.7 B	508 J	142	525	—	19.5 B	253		
Lead	1.4 UJ	0.8 U	0.9 J	0.80 U	0.80 U	2.0 B	—	3.0 UJ	1.6 UJ		
Magnesium	21,500	21,900	29,600	17,700	20,900	20,600	—	19,000 J	26,100		
Manganese	28.7	6.5 B	5.8 B	36.0 J	1.5 B	24.1	—	0.20 U	15.5		
Mercury	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	—	0.10 U	0.10 U		
Nickel	0.40	2.9 B	0.40 U	0.40 U	0.40 U	0.60 B	—	0.40 U	0.40 U		
Potassium	2,960	3,020 B	4,870 J	2,430 J	1,680 B	2,640 B	—	2,810 J	2,470 B		
Selenium	3.5 UJ	3.9 U	3.9 UJ	3.9 U	3.9 U	3.1 U	—	3.1 UJ	4.6 J		
Silver	1.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	—	0.40 U	0.50 U		
Sodium	78,600	41,300	43,000 J	42,100 J	57,900	33,600	—	41,000 J	97,400		
Thallium	4.1	1.7 U	2.8 B	1.7 U	5.4 B	2.8 B	—	9.8 B	1.5 UJ		
Vanadium	8.4	7.6 B	2.6 B	3.1 B	1.0 U	5.2 B	—	0.80 U	1.0 U		
Zinc	1.1	3.1 B	2.6 B	6.3 B	8.9 B	12.0 B	—	0.50 UJ	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

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	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved)[14]											
Aluminum	16.4	15.4 U	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U	15.3 U	26.9 U		200
Antimony	4.0	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	60	60
Arsenic	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 UJ	2.9 B	3.6 U	20	10
Barium	41.6	42.4 B	60.1 B	42.5 B	41.0 B	47.9 B	43.2 B	32.8 B	47.8 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	2.30 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	0.20 U	5	5
Calcium	103,000	68,700	97,600	88,800	84,500	80,400	81,100	73,700 J	95,000		5,000
Chromium	2.3	1.1 B	2.0 B	2.4 B	0.60 B	1.4 B	0.20 U	0.20 U	2.30 B	11	10
Cobalt	0.60	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.50 U		50
Copper	0.70	3.8 B	0.70 U	4.1 J	3.1 B	3.4 B	1.7 B	0.70 B	6.50 B	25	25
Iron	10.5	12.6 B	11.3 B	8.9 B	8.5 U	8.1 U	8.1 U	8.1 U	5.3 U	7,000	100
Lead	1.4 UJ	0.8 U	0.8 U	0.80 U	0.80 U	1.2 B	1.5 B	1.2 U	1.6 UJ	4.2	3
Magnesium	28,400	22,300	26,600	21,600	22,100	21,900	25,600 J	18,900 J	25,300		5,000
Manganese	4.4	22.4	20.7	2.0 B	0.3 U	1.7 B	31.4	4.8 B	2.3 B		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	0.10 U	0.2	0.2
Nickel	0.40	0.60 B	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	96	40
Potassium	2,520	3,230 B	4,290 J	2,220 B	1,740 B	2,760 B	3,540 B	2,840 J	2,380 B		5,000
Selenium	3.5 R	3.9 U	3.9 UJ	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 UJ	3.3 UJ	8.5	5
Silver	1.1	0.3 U	0.3 U	0.30 U	0.30 U	0.40 U	1.5 B	0.40 U	0.90 B	10	10
Sodium	61,900	42,800	41,300 J	42,100	61,400	37,000	42,800 J	42,800 J	96,700		5,000
Thallium	4.1	2.7 B	2.9 B	1.7 U	6.8 B	1.8 U	3.0 BJ	1.8 U	1.5 UJ	40	10
Vanadium	8.0	5.9 B	2.2 B	4.0 B	1.5 B	4.8 B	4.8 B	1.6 B	1.0 U		50
Zinc	1.1	5.4 B	5.0 B	1.1 U	8.1 B	12.1 B	0.50 U	0.50 UJ	4.30 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	60.4	15.4 U	53.5 B	98.8 B	117.0 B	44.8 B	15.3 U	24.3 B	58.5 B		
Antimony	4.0	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U		
Arsenic	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	3.7 B	5.1 B	3.6 U		
Barium	42.6	39.5 B	61.8 B	40.7 B	40.2 B	42.1 B	50.4 J	33.3 J	46.2 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	2.30 U		
Cadmium	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U		
Calcium	105000	69,300	99,800	82,400	81,900	72,700	87,200 J	74,400 J	97,000		
Chromium	2.5	1.1 B	2.3 B	1.9 B	0.6 B	1.3 B	0.20 U	0.20 U	2.10 B		
Cobalt	0.60	0.20 U	0.20 U	0.20 U	0.20 U	3.0 U	0.30 U	0.30 U	0.50 U		
Copper	0.70	3.9 B	0.70 U	3.8 J	3.2 B	2.4 B	3.0 B	0.60 U	5.80 B		
Cyanide	0.60	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	1.0 B	0.60 U	0.20 U	10	10
Iron	77.8	64.4 B	69.0 B	174 J	144	79.7 B	84.3 J	50.6 B	45.1 B		
Lead	1.4 UJ	0.8 U	1.1 J	0.80 U	0.80 U	1.7 B	1.7 B	3.0 UJ	1.6 UJ		
Magnesium	28900	22,200	26,900	20,700	21,100	19,700	27,100 J	19,000 J	25,700		
Manganese	6.2	20.9	23.7	5.3 J	1.9 B	4.6 B	82.4 J	29.3	3.9 B		
Mercury	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Nickel	0.40	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	2,780	3,190 B	4,430 J	2,130 J	1,710 B	2,470 B	3,680 J	2,860 J	2,430 B		
Selenium	3.5	3.9 U	3.9 UJ	3.90 UJ	3.90 U	3.1 UJ	3.1 U	3.1 UJ	3.3 UJ		
Silver	1.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	0.50 U		
Sodium	62,800	41,700	42,100 J	40,400 J	59,000 J	33,300	45,000 J	42,200 J	97,400		
Thallium	4.1	1.9 B	2.9 B	1.7 U	4.4 B	1.8 U	4.1 B	1.9 B	1.5 UJ		
Vanadium	8.6	8.9 B	1.2 B	2.5 B	1.0 U	4.1 B	11.8 B	1.6 B	1.0 U		
Zinc	1.1	8.2 B	3.2 B	1.5 B	9.1 B	9.8 B	0.50 U	0.50 UJ	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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										TRIGGER LEVEL	CRQL
	Nov-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]												
Aluminum	14.8	16.4	15.4 U	18.5 B	15.4 U	15.4 U	26.7 B	15.3 U	15.3 U	26.9 U		200
Antimony	4.0	4.0	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	60	60
Arsenic	4.0 UJ	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 UJ	3.4 B	3.6 U	20	10
Barium	43.8	44.8	47.4 B	64.7 B	41.6 B	39.2 B	48.5 B	113 B	32.0 B	47.0 B	1,000	200
Beryllium	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.30 U	5	5
Cadmium	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	5	5
Calcium	82,200 J	108,000	74,700	105,000	87,300	80,100	80,700	125,000	70,400 J	97,900		5,000
Chromium	2.9	4.3	1.1 B	2.2 B	2.0 B	0.50 B	1.6 B	0.20 U	0.20 U	2.10 B	11	10
Cobalt	0.70	0.60	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.50 U		50
Copper	2.0	0.70	3.9 B	0.70 U	4.0 J	4.6 B	3.6 B	1.6 B	0.60 U	5.60 B	25	25
Iron	18.3 J	10.5	8.5 U	27.1 B	10.9 B	8.5 U	8.1 U	17.5 B	8.1 U	5.3 U	7,000	100
Lead	1.8	1.4 UJ	0.8 U	1.0 J	0.80 U	1.50 B	1.7 B	**3.6**	1.2 U	1.6 UJ	4.2	3
Magnesium	23,300 J	30,300	21,700	27,100	21,600	21,100	22,300	29,100 J	18,000 J	26,200		5,000
Manganese	13.8 J	6.2	21.4	25.9	2.2 B	0.30 U	4.6 B	295	4.4 B	2.6 B		15
Mercury	0.10	0.10	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	0.50	0.40	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	2,730 J	2,330	3,070 B	4,370 J	2,180 B	1,630 B	2,710 B	3,490 B	2,750 J	2,440 B		5,000
Selenium	4.9 R	3.5 R	3.9 U	3.9 UJ	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 UJ	3.3 UJ	8.5	5
Silver	1.0	1.1	0.30 U	0.40 B	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	0.50 B	10	10
Sodium	30,500 J	65,200	41,800	42,200 J	42,500	59,700	37,900	37,700 J	41,200 J	101,000		5,000
Thallium	2.6	4.1	1.9 B	3.9 B	2.0 B	3.4 B	1.8 U	6.8 J	1.8 U	1.5 UJ	40	10
Vanadium	1.2	8.3	8.9 B	2.9 B	3.9 B	1.9 B	4.9 B	10.2 B	2.2 B	1.0 U		50
Zinc	2.9	1.1	2.3 B	3.6 B	1.6 B	8.8 B	**24.7**	0.50 U	0.50 UJ	4.30 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	118	109	139 B	106 B	68.3 B	154 B	117 B	15.3 U	18.6 B	59.1 B		
Antimony	4.0	4.0	2.4 U	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U		
Arsenic	4.0 UJ	3.8	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	3.5 B	2.8 B	3.6 U		
Barium	46.6	42.5	50.2 B	66.5 B	40.9 B	41.0 B	42.4 B	60.5 J	32.3 J	45.6 B		
Beryllium	0.50	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.30 U		
Cadmium	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U		
Calcium	86,800 J	104,000	77,900	106,000	82,600	81,700	77,900	97,500 J	71,400 J	95,400		
Chromium	3.0	1.0	1.3 B	2.2 B	2.1 B	0.70 B	1.9 B	0.20 B	0.20 U	2.10 B		
Cobalt	0.70	0.60	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.50 U		
Copper	2.3	0.70	4.3 B	0.70 U	3.8 J	3.9 B	3.3 B	2.8 B	0.60 U	5.80 B		
Cyanide	0.60	0.60	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	1.0 B	0.60 U	1.30 B	10	10
Iron	204 J	142	341	145	168 J	214.0	139	298 J	60.7 B	43.8 B		
Lead	1.8	1.4 UJ	0.80 U	0.80 U	0.80 U	0.80 U	1.8 B	2.7 B	3.0 UJ	1.6 UJ		
Magnesium	24,200 J	29,900	22,700	27,100	20,500	21,300	20,800	28,200 J	18,100 J	25,700		
Manganese	20.4 J	8.8	43.7	37.4	5.7 J	3.7 B	9.8 B	173.0 J	14.1 B	4.2 B		
Mercury	0.10	0.10	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	0.50	0.40	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	2,930 J	2,790	3,250	4,460 J	2,070 J	1,730 B	2,610 B	3,930 J	2,750 J	2,400 B		
Selenium	4.9	3.5	3.9 U	3.9 UJ	3.90 UJ	3.9 U	3.1 UJ	3.1 U	3.1 UJ	3.3 UJ		
Silver	1.0	1.1	0.30 U	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.00 B		
Sodium	32,300 J	66,300	44,100	43,400 J	40,500 J	60,700	36,900	47,500 J	41,100 J	98,800		
Thallium	2.6	4.1	4.5 B	4.1 B	3.4 B	4.2 B	1.9 B	4.0 B	2.9 B	1.5 UJ		
Vanadium	1.2	9.5	6.8 B	2.7 B	3.2 B	1.3 B	6.2 B	12.0 B	1.6 B	1.0 U		
Zinc	1.9	1.1	6.9 B	3.2 B	1.1 U	9.6 B	17.3 B	0.50 U	0.50 UJ	4.30 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

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

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

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

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

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

	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										
Compound	**Mar-07**	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]		Location Dry	Location Dry				Location Dry	Location Dry	Location Dry		
Aluminum	43.2	—	—	15.4 U	15.4 U	15.3 U	—	—	—		**200**
Antimony	4.0	—	—	2.4 U	2.4 U	1.6 U	—	—	—	**60**	**60**
Arsenic	3.8	—	—	2.4 U	2.4 U	2.5 U	—	—	—	**20**	**10**
Barium	22.5	—	—	21.1 B	20.8 B	45.3 B	—	—	—	**1,000**	**200**
Beryllium	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	—	**5**	**5**
Cadmium	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	—	**5**	**5**
Calcium	129,000	—	—	173,000	109,000	117,000	—	—	—		**5,000**
Chromium	2.3	—	—	4.0 B	0.50 B	2.0 B	—	—	—	**11**	**10**
Cobalt	0.60	—	—	0.20 J	0.20 U	0.30 U	—	—	—		**50**
Copper	0.70	—	—	5.3 B	3.0 B	3.0 B	—	—	—	**25**	**25**
Iron	10.5	—	—	8.5 U	8.5 U	8.1 U	—	—	—	**7,000**	**100**
Lead	1.4 UJ	—	—	0.8 U	0.8 U	1.2 U	—	—	—	**4.2**	**3**
Magnesium	33,000	—	—	50,200	31,200	33,600	—	—	—		**5,000**
Manganese	1.3	—	—	1.7 B	0.30 U	0.20 U	—	—	—		**15**
Mercury	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	—	**0.2**	**0.2**
Nickel	0.40	—	—	0.40 U	0.40 U	0.40 U	—	—	—	**96**	**40**
Potassium	2,420	—	—	2,640 B	1,870 B	2,730 B	—	—	—		**5,000**
Selenium	3.5 R	—	—	3.9 UJ	3.9 U	3.1 U	—	—	—	**8.5**	**5**
Silver	1.1	—	—	0.30 B	0.30 U	0.40 U	—	—	—	**10**	**10**
Sodium	2,500	—	—	2,330 B	2,350 B	2,470 B	—	—	—		**5,000**
Thallium	4.1	—	—	3.6 B	5.0 B	1.8 B	—	—	—	**40**	**10**
Vanadium	9.3	—	—	6.4 B	1.0 U	9.8 B	—	—	—		**50**
Zinc	1.1	—	—	2.3 B	9.9 B	10.0 B	—	—	—	**86**	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	23.2	—	—	15.4 U	15.4 U	15.3 U	—	—	—		
Antimony	4.0	—	—	2.4 U	2.4 U	1.6 U	—	—	—		
Arsenic	3.8	—	—	2.4 U	2.4 U	2.5 U	—	—	—		
Barium	21.5	—	—	20.1 B	19.5 B	44.9 B	—	—	—		
Beryllium	0.1	—	—	0.10 U	0.10 U	0.10 U	—	—	—		
Cadmium	0.1	—	—	0.10 U	0.10 U	0.10 U	—	—	—		
Calcium	130,000	—	—	166,000	108,000	118,000	—	—	—		
Chromium	2.0	—	—	3.8 B	0.5 B	1.8 B	—	—	—		
Cobalt	0.60	—	—	0.20 U	0.20 U	0.30 U	—	—	—		
Copper	0.70	—	—	5.1 J	2.8 B	2.7 B	—	—	—		
Cyanide	0.60	—	—	0.60 U	0.60 U	0.70 B	—	—	—	**10**	**10**
Iron	54.2	—	—	8.50 J	8.50 U	8.1 U	—	—	—		
Lead	1.4 UJ	—	—	0.80 U	0.80 U	1.2 U	—	—	—		
Magnesium	32,000	—	—	48,600	30,100	32,600	—	—	—		
Manganese	2.7	—	—	1.1 J	0.30 U	0.20 U	—	—	—		
Mercury	0.10	—	—	0.10 U	0.10 U	0.10 U	—	—	—		
Nickel	1.1	—	—	0.40 B	0.40 U	0.40 U	—	—	—		
Potassium	2,310	—	—	2,520 J	1,810 B	2,650 B	—	—	—		
Selenium	3.5	—	—	3.90 U	3.90 U	3.1 U	—	—	—		
Silver	1.1	—	—	0.30 B	0.30 U	0.40 U	—	—	—		
Sodium	2,320	—	—	2,190 J	1,930 B	2,300 B	—	—	—		
Thallium	4.1	—	—	2.3 B	4.6 B	1.8 U	—	—	—		
Vanadium	8.9	—	—	5.3 B	1.0 U	8.8 B	—	—	—		
Zinc	1.1	—	—	1.3 B	12.4 B	9.0 B	—	—	—		
Volatile Organic Compounds (VOCs)	BRL	—	—	BRL	BRL	BRL	—	—	—		
Semi-Volatile Organic Compounds (SVOCs)	BRL	—	—	BRL	BRL	BRL	—	—	—		
Pesticides / PCBs	BRL	—	—	BRL	BRL	BRL	—	—	—		

Notes:

2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
6) — = No Sample Available (Well Dry or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

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

	Quarterly Sampling Results (All Results Expressed in Units of mg/l)											
Compound	**Nov-06**	**Mar-07**	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]				Location Dry				Location Dry	Location Dry	Location Dry		
Aluminum	14.8	16.4	14.5 U	—	15.4 U	15.4 U	28.6 B	—	—	—		200
Antimony	4.0	4.0	2.4 U	—	2.4 U	2.4 U	1.6 U	—	—	—	60	60
Arsenic	4.0 UJ	3.8	2.4 U	—	2.4 U	2.4 U	2.5 U	—	—	—	20	10
Barium	26.6	25.1	29.7 B	—	31.1 B	5.6 B	9.5 J	—	—	—	1,000	200
Beryllium	0.5	0.1	0.10 U	—	0.10 U	0.10 U	0.10 U	—	—	—	5	5
Cadmium	0.1	0.1	0.10 U	—	0.10 U	0.10 U	0.10 U	—	—	—	5	5
Calcium	93,200 J	97,800	91,400	—	93,300	23,200	22,200 J	—	—	—		5,000
Chromium	2.5	2.6	1.0 B	—	1.5 B	0.30 U	0.4 B	—	—	—	11	10
Cobalt	0.7	0.6	0.20 U	—	0.20 U	0.20 U	0.30 U	—	—	—		50
Copper	1.4	0.7	5.4 B	—	2.9 J	1.2 B	1.3 B	—	—	—	25	25
Iron	12.9 J	12.7	8.5 U	—	8.5 U	8.5 U	60.2 B	—	—	—	7,000	100
Lead	1.8	1.4 UJ	0.80 U	—	0.80 U	0.80 U	1.2 U	—	—	—	4.2	3
Magnesium	19,000 J	22,100	21,100	—	10,900	2,370 B	2,120 J	—	—	—		5,000
Manganese	13.7 J	45.2	10.7 B	—	0.30 U	0.30 U	4.0 B	—	—	—		15
Mercury	0.10	0.10	0.10 U	—	0.10 U	0.10 U	0.10 UJ	—	—	—	0.2	0.2
Nickel	0.50	0.40	0.40 U	—	0.40 U	0.40 U	0.90 B	—	—	—	96	40
Potassium	3,090 J	2,830	5,970	—	2,080 B	2,060 B	7,440	—	—	—		5,000
Selenium	4.9 R	3.5 R	3.9 U	—	3.9 UJ	3.9 U	3.1 U	—	—	—	8.5	5
Silver	1.0	1.1	0.30 U	—	0.30 U	0.30 U	0.40 U	—	—	—	10	10
Sodium	6,640 J	7,260	12,400	—	298 B	572 B	440 J	—	—	—		5,000
Thallium	2.6	4.1	3.1 B	—	1.7 U	4.0 B	3.4 B	—	—	—	40	10
Vanadium	1.2	5.7	6.1 B	—	2.3 B	1.0 U	0.80 U	—	—	—		50
Zinc	0.7	1.1	2.8 B	—	4.4 B	5.5 B	14.7 B	—	—	—	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	497.0	723	194.0 B	—	15.4 U	133 B	351	—	—	—		
Antimony	4.0	4.0	2.4 U	—	2.4 U	2.4 U	1.6 U	—	—	—		
Arsenic	4.0 UJ	3.8	2.4 U	—	2.4 U	2.4 U	2.5 UJ	—	—	—		
Barium	28.4	29.1	30.2 B	—	26.9 B	6.3 B	11.6 J	—	—	—		
Beryllium	0.5	0.1	0.10 U	—	0.10 U	0.10 U	0.10 U	—	—	—		
Cadmium	0.1	0.1	0.10 U	—	0.10 U	0.10 U	0.10 U	—	—	—		
Calcium	88700 J	101000	90,300	—	86,900	23,200	21,900 J	—	—	—		
Chromium	2.9	4.1	1.3 B	—	0.90 B	0.40 B	0.70 B	—	—	—		
Cobalt	0.8	0.60	0.20 U	—	0.20 U	0.40 B	0.30 U	—	—	—		
Copper	1.4	0.70	5.3 B	—	2.0 J	1.1 B	2.3 B	—	—	—		
Cyanide	0.60	0.60	0.60 U	—	0.60 U	0.60 U	0.60 B	—	—	—	10	10
Iron	968 J	1250	376	—	15.5 J	227	661	—	—	—		
Lead	1.8	1.4 UJ	0.80 U	—	0.80 U	0.90 B	2.2 B	—	—	—		
Magnesium	18400 J	22800	20,600	—	10,100	2,310 B	2,190 J	—	—	—		
Manganese	46.9 J	79.0	22.3	—	0.3 U	1.8 B	29.7	—	—	—		
Mercury	0.1	0.1	0.10 U	—	0.10 U	0.10 U	0.10 U	—	—	—		
Nickel	0.5	1.4	0.40 U	—	0.40 U	0.40 U	1.4 UJ	—	—	—		
Potassium	2980 J	3120	5,900	—	1,970 J	2,080 B	7,630	—	—	—		
Selenium	4.9	3.5 UJ	3.9 U	—	3.9 U	3.9 U	3.1 UJ	—	—	—		
Silver	1.0	1.1	0.30 U	—	0.30 U	0.30 U	0.40 U	—	—	—		
Sodium	6270 J	7310	12,100	—	65.0 J	557 B	352 J	—	—	—		
Thallium	2.6	4.1	3.2 B	—	1.7 U	1.7 U	2.6 B	—	—	—		
Vanadium	1.2	7.6	6.4 B	—	1.0 U	1.0 U	0.80 U	—	—	—		
Zinc	4	3	2.0 B	—	1.5 B	6.8 B	16.9 B	—	—	—		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	—	BRL	BRL	BRL	—	—	—		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	—	BRL	BRL	BRL	—	—	—		
Pesticides / PCBs	BRL	BRL	BRL	—	BRL	BRL	BRL	—	—	—		

Notes:

1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) 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	**Mar-07**	**Jun-07**	**Sep-07**	**Dec-07**	**Mar-08**	**Jun-08**	**Sep-08**	**Dec-08**	**Feb-09**	**TRIGGER LEVEL**	**CRQL**
Inorganics - Metals (Dissolved)[14]	Annual	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled	Not Sampled	Not Sampled	Annual		
Aluminum	29.1				15.6 B				35.3 B		**200**
Antimony	4.1				2.4 U				4.8 U	**60**	**60**
Arsenic	5.3				3.7 B				5.0 J	**20**	**10**
Barium	77.9				86.7 B				101 B	**1,000**	**200**
Beryllium	0.10				0.10 U				2.3 U	**5**	**5**
Cadmium	0.10				0.10 U				0.2 U	**5**	**5**
Calcium	133,000				119,000				122000		**5,000**
Chromium	0.80				0.30 U				2.1 B	**11**	**10**
Cobalt	0.40				0.20 U				0.5 U		**50**
Copper	0.70				1.6 B				4.9 B	**25**	**25**
Iron	688				**514.0**				**984**	**7,000**	**100**
Lead	2.1 UJ				1.80 B				1.6 UJ	**4.2**	**3**
Magnesium	28,000				25,900				30000		**5,000**
Manganese	109				96.1				232		**15**
Mercury	0.10				0.10 U				0.1 U	**0.2**	**0.2**
Nickel	0.80				0.40 U				0.4 U	**96**	**40**
Potassium	2,610 J				2,520 B				3640 B		**5,000**
Selenium	4.5 UJ				3.9 U				3.3 U	**8.5**	**5**
Silver	2.1				0.30 U				0.5 U	**10**	**10**
Sodium	12,800				15,700 B				101000		**5,000**
Thallium	3.1				6.7 B				1.5 R	**40**	**10**
Vanadium	8.0				1.0 U				1.0 U		**50**
Zinc	1.1				12.5 B				4.3 U	**86**	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	26,000 J				4,870 J				363 J		
Antimony	4.2				2.4 U				4.8 U		
Arsenic	6.6 J				2.4 UJ				4.3 J		
Barium	194				109 B				105 J		
Beryllium	0.80				0.20 B				2.3 U		
Cadmium	0.10				0.10 U				0.2 U		
Calcium	685000				171,000				135000		
Chromium	49.4				8.2 B				3.2 B		
Cobalt	25.4				5.0 B				0.5 U		
Copper	56.7 J				9.9 B				5.6 B		
Cyanide	0.60				1.30 B				0.7 B	**10**	**10**
Iron	57900				11,600				1900		
Lead	30.1				4.3 J				1.6 UJ		
Magnesium	85500				35,000				33000		
Manganese	2650				420				261		
Mercury	0.10				0.10 U				0.1 U		
Nickel	55.2				9.4 B				0.4 U		
Potassium	9230 J				4,020 J				3780 J		
Selenium	4.9 J				3.9 U				3.3 R		
Silver	2.1				0.30 U				0.6 B		
Sodium	16100				15,100				93800		
Thallium	3.1				1.9 B				1.5 UJ		
Vanadium	273.0				6.9 B				1.0 U		
Zinc	0.6 J				44.9 J				4.3 U		
Volatile Organic Compounds (VOCs)	BRL				BRL				BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL				BRL				BRL		
Pesticides / PCBs	BRL				BRL				BRL		

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
6) — = No Sample Available (Well Dry or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
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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
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]	Annual	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled	Not Sampled	Not Sampled	Annual		
Aluminum	29.1				19.0 B				26.9 U		200
Antimony	4.1				2.4 U				4.8 U	60	60
Arsenic	5.3				2.4 U				3.6 U	20	10
Barium	**417**				**290.0**				**780**	1,000	200
Beryllium	0.1				0.10 U				2.3 U	5	5
Cadmium	0.1				0.10 U				0.2 U	5	5
Calcium	78,300				79,200				67900		5,000
Chromium	2.6				0.30 U				2.6 B	11	10
Cobalt	0.4				0.40 B				0.5 U		50
Copper	0.7				1.8 B				5.5 B	25	25
Iron	88.8				42.8 B				68.4 B	7,000	100
Lead	2.1 UJ				1.10 B				1.6 UJ	4.2	3
Magnesium	42,400				40,900				36100		5,000
Manganese	*83.5*				*64.1*				*77.7*		*15*
Mercury	0.1				0.10 U				0.1 U	0.2	0.2
Nickel	0.8				0.40 U				0.4 U	96	40
Potassium	24,500 J				16,300				20,100		5,000
Selenium	4.5 UJ				3.9 U				3.3 UJ	8.5	5
Silver	2.1				0.30 U				0.5 U	10	10
Sodium	199,000				142,000				195,000		5,000
Thallium	3.1				5.0 B				1.5 R	40	10
Vanadium	12.1				1.0 U				1 U		50
Zinc	1.1				7.1 B				4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	2030 J				192 J				92.4 J		
Antimony	4.1				2.4 U				4.8 U		
Arsenic	5.3				2.4 UJ				3.6 U		
Barium	455				287				859 J		
Beryllium	0.10				0.10 U				2.3 U		
Cadmium	0.10				0.10 U				0.2 U		
Calcium	86800				82,700				73,600		
Chromium	14.5				1.1 B				2.8 B		
Cobalt	2.8				1.0 B				0.5 U		
Copper	30.0 J				5.6 B				6.0 B		
Cyanide	0.60				0.60 U				0.2 U	10	10
Iron	5130.0				716				465		
Lead	3.5				0.80 UJ				1.6 U		
Magnesium	44500				42,300				39200		
Manganese	173				80.2				88.5		
Mercury	0.10				0.10 U				0.1 U		
Nickel	6.8				0.70 B				0.4 U		
Potassium	21000 J				17,100 J				21,900 J		
Selenium	4.5 UJ				3.9 U				3.3 R		
Silver	3.3				0.30 U				0.5 U		
Sodium	200000				139,000				213,000		
Thallium	3.8 J				3.9 B				1.5 UJ		
Vanadium	14.6				1.0 U				1.0 U		
Zinc	32 J				15.4 J				4.3 U		
Volatile Organic Compounds (VOCs)	BRL				BRL				BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL				BRL				BRL		
Pesticides / PCBs	BRL				BRL				BRL		

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

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for GW-30

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09		
Inorganics - Metals (Dissolved)[14]	Annual	Not Sampled	Not Sampled	Not Sampled	Annual	Not Sampled	Not Sampled	Not Sampled	Annual		
Aluminum	49.9				15.4 U				26.9 U		200
Antimony	4.1				2.4 U				4.8 U	60	60
Arsenic	5.3				2.6 B				3.6 U	20	10
Barium	0.10				188.0 B				**439**	1,000	200
Beryllium	0.10				0.10 U				2.3 U	5	5
Cadmium	0.10				0.10 U				0.2 U	5	5
Calcium	119,000				58,000				68900		5,000
Chromium	4.8				0.30 B				2.5 B	11	10
Cobalt	0.40				0.20 U				0.5 U		50
Copper	0.7				2.2 B				4.9 B	25	25
Iron	**212**				**127.0**				**342**	7,000	100
Lead	2.1 UJ				0.80 U				1.6 UJ	4.2	3
Magnesium	40,800				28,300				31400		5,000
Manganese	192				17.3				30.8		15
Mercury	0.10				0.10 U				0.1 U	0.2	0.2
Nickel	0.80				0.70 B				0.4 U	96	40
Potassium	5,810 J				12,200				12800		5,000
Selenium	4.5 UJ				3.9 U				3.3 UJ	8.5	5
Silver	2.1				0.30 U				0.5 B	10	10
Sodium	41,200				138,000				144000		5,000
Thallium	3.4 J				4.5 B				1.5 R	40	10
Vanadium	9.9				1.0 U				1.0 U		50
Zinc	4.6				7.7 B				4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	1,740 J				15.4 UJ				57.7 J		
Antimony	4.1				2.4 U				4.8 U		
Arsenic	5.3				2.4 UJ				5.1 J		
Barium	329				201.0				495.0 J		
Beryllium	0.10				0.10 U				2.30 U		
Cadmium	0.10				0.10 U				0.20 U		
Calcium	60,800				61,100				74,000		
Chromium	11.6				0.50 B				2.00 B		
Cobalt	1.2				0.20 U				0.50 U		
Copper	25.0 J				4.3 B				5.4 B		
Cyanide	2.4				0.60 U				0.20 U	10	10
Iron	4,330				303				622		
Lead	2.1 UJ				0.80 UJ				1.60 UJ		
Magnesium	27,700				29,600				34,200		
Manganese	86.2				22.4				36.8		
Mercury	0.10				0.10 U				0.10 U		
Nickel	3.8				0.40 U				0.40 U		
Potassium	10,500 J				13,400 J				13,700 J		
Selenium	4.5 UJ				3.9 U				3.3 R		
Silver	2.1				0.30 U				0.70 B		
Sodium	123,000				145,000				153,000		
Thallium	3.1				3.9 B				1.5 UJ		
Vanadium	10.9				1.2 B				1.0 U		
Zinc	36.9 J				10.3 J				4.3 U		
Volatile Organic Compounds (VOCs)	BRL				BRL				BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL				BRL				BRL		
Pesticides / PCBs	BRL				BRL				BRL		

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

APPENDIX C

LABORATORY DATA VALIDATION REPORT

AECOM

APPENDIX C

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 105069

LABORATORY REPORT NUMBER 209021915

PROJECT MANAGER: Ron Roelker

Date: April 20, 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 209021915 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in February 2009 was conducted by AECOM using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 209021915.

GCAL #	Sample Description
20902191501	SKGW301029
20902191502	SKGW07R1029
20902191503	SKFD1029
20902191506	SKGW301029 (DISS)
20902191507	SKGW07R1029 (DISS)
20902191508	SKFD1029 (DISS)
20902191509	SK-GW62B-1029
20902191510	SK-GW06R-1029
20902191511	SK-GW62B-1029 (DISS)
20902191512	SK-GW06R-1029 (DISS)
20902191513	SKGW261029
20902191514	SKGW261029 (DISS)
20902191515	SK-GW58-1029
20902191516	SK-GW63-1029
20902191517	SK-GW64-1029
20902191518	SK-GW65-1029
20902191519	SK-FD-1029
20902191520	SK-MS-1029 (GW63)
20902191522	SK-DUP-1029 (GW63)
20902191524	SK-GW58-1029 (DISS)
20902191525	SK-GW63-1029 (DISS)
20902191526	SK-GW64-1029 (DISS)
20902191527	SK-GW65-1029 (DISS)
20902191528	SK-FD-1029 (DISS)
20902191529	SK-MS-1029 GW63 (DISS)
20902191530	SK-DUP-1029 GW63 (DISS)
20902191531	SKGW62A-1029
20902191532	SKGW24-1029

GCAL #	Sample Description
20902191533	SKGW59-1029
20902191534	SKGW61-1029
20902191535	SKGW60-1029
20902191537	SKGW62A-1029 (DISS)
20902191538	SKGW24-1029 (DISS)
20902191539	SKGW59-1029 (DISS)
20902191540	SKGW60-1029 (DISS)
20902191541	SKGW61-1029 (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) with the exception of Lead associated with CCB5 analyzed on 3/11/09.

The Lead results less than or equal to the CRDL were qualified with "UJ" and the concentration of the analyte was reported at 3 ppb. Lead results greater than the CRDL but less than five times the CRDL were qualified with "J". Results greater than five times the CRDL were not qualified.

4. ICP INTERFERENCE CHECK SAMPLE

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

5. LABORATORY CONTROL SAMPLES

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

6. DUPLICATE ANALYSIS

The laboratory used sample SK-GW63-1029 (total and dissolved fractions) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-GW63-1029 (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 Mercury (140%), Selenium (0%), and Thallium (71%) associated with the total fraction and Lead (74%), Mercury (126%), and Thallium (24%) associated with the dissolved fraction. As per the National Functional Guidelines, if the percent recovery is greater than 30% but less than 74% then qualify detected results for that analyte with "J" and non-detected results are qualified with "UJ". If the percent recovery is greater than the upper acceptance limit then qualify detected results for that analyte with "J". If the percent recovery is less than 30% then qualify detected results for that analyte with "J" and non-detected results with "R".

8. ICP SERIAL DILUTION

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

9. SYSTEM PERFORMANCE

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

10. DOCUMENTATION

It should be noted that GCAL qualified the Lead results reported with an "E" qualifier indicating that the percent difference between the sample and its serial dilution was greater than 10%. The results for Lead associated with the ICP serial dilution were less than 50 times the IDL and therefore should not have been used in the calculation. The data validator contacted GCAL and they provided revised Form 1's and case narrative. Pages 567-568 were revised by the GCAL to reflect the reporting of the ICB and CCB correctly.

11. OVERALL ASSESSMENT

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 3/11/09 were 74%, 65%, and 74%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 3/11/09 were 117%, 76%, and 71%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 3/11/09 were 89%, 72%, and 67%.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 3/12/09 were 89%, 54%, 89%, 102%, and 86%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 3/12/09 were 129%, 137%, 83%, 102%, and 125%.

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards analyzed on 3/12/09 were 118%, 124%, 103%, 99%, and 109%.

As per the National Functional Guidelines, if the CRDL percent recovery is above 120% then detected results are qualified as estimated with "J". If the CRDL percent recovery is less than 80% then detected results are qualified "J" and non-detected results are qualified with "UJ".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 209021915 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 February 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 209021915.

GCAL #	Sample Description
20902191501	SKGW301029
20902191502	SKGW07R1029
20902191503	SKFD1029
20902191509	SK-GW62B-1029
20902191510	SK-GW06R-1029
20902191513	SKGW261029
20902191515	SK-GW58-1029
20902191516	SK-GW63-1029
20902191517	SK-GW64-1029
20902191518	SK-GW65-1029
20902191519	SK-FD-1029
20902191520	SK-MS-1029 (GW63)
20902191521	SK-MSD-1029 (GW63)
20902191531	SKGW62A-1029
20902191532	SKGW24-1029
20902191533	SKGW59-1029
20902191534	SKGW61-1029
20902191535	SKGW60-1029

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. Two decafluorotriphenylphosphine (DFTPP) tunes were run representing the shifts in which the standards and samples were analyzed. The DFTPP tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 3/2/09 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 with the exception of 2,4-Dinitrophenol (34.9%) and Pentachlorophenol (32.1%). As per the National Functional Guidelines; if the %RSD is greater than 30.0 percent and the RRF is greater than 0.05, qualify positive results with "J", and non-detected semivolatile target compounds using professional judgment. The data validator qualified the detected results for 2,4-Dinitrophenol and Pentachlorophenol as estimated with a "J".

B. Continuing Calibration

Two CC's dated 3/2/09 and 3/6/09 were analyzed in support of the semivolatile sample analyses reported in the data submissions. The RRFs for the CC was within the acceptance criteria specified in the method for all target compounds. The percent difference (%D) between the average RRFs and the CC Response Factors were within the acceptance criteria (<25%).

4. BLANKS

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

Method Blank (MB697390)

Bis-(2-Ethylhexyl)phthalate (0.9 ppb) and Diethylphthalate (2.0 ppb) were detected in the method blank extracted on 2/20/09.

Method Blank (MB698475)

Diethylphthalate (2.0 ppb) was detected in the method blank extracted on 2/25/09.

Method Blank (MB699298)

Diethylphthalate (9.0 ppb) was detected in the method blank extracted on 2/26/09.

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-GW63-1029 was submitted for MS/MSD analysis. The MS/MSD percent recoveries are within the acceptance criteria with the exception of 4-nitrophenol (84/91%) and Pentachlorophenol (105/115%) recoveries associated with the MS/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 results alone.

7. INTERNAL STANDARDS PERFORMANCE

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

8. COMPOUND IDENTIFICATION

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

9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

10. SYSTEM PERFORMANCE

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

11. DOCUMENTATION

The "Start Cal Date" on pages 541-547 and 579-581 were incorrectly reported as 27 DEC 2007 08:41. The data validator manually corrected the date to read 02 MAR 2009 10:00.

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

The Bis-(2-Ethylhexyl)phthalate and/or Diethylphthalate detected in the samples SK-GW30-1029, SK-GW07R-1029, SK-FD-1029, SK-GW06R-1029, SK-GW58-1029, SK-GW64-1029, SK-FD-1029, SK-GW62A-1029, SK-GW24-1029, SK-GW59-1029, SK-GW61-1029 were mitigated by the presence of Bis-(2-Ethylhexyl)phthalate and Diethylphthalate in the associated method blank.

The data validator noticed a peak at the retention time of approximately 5.7 minutes when reviewing the chromatograms associated with the blanks extracted on 2/25/09 and 2/26/09. The data validator requested GCAL to integrate the peak and they indicated that peak is probably bis(2-ethylhexyl)phthalate, but was not marked or quantitated because the 3rd ion was not present. Bis-(2-Ethylhexyl)phthalate is a common laboratory contaminant and if it has not been historically detected in the samples SK-GW26-1029, SK-GW63-1029, SK-MS-1029 (GW63), and SK-MSD-1029 (GW63) then the results is probably an artifact from laboratory contamination. The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 209021915 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 February 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 209021915.

GCAL #	Sample Description
20902191501	SKGW301029
20902191502	SKGW07R1029
20902191503	SKFD1029
20902191504	SK-TB-1029
20902191505	VHBLK
20902191509	SK-GW62B-1029
20902191510	SK-GW06R-1029
20902191513	SKGW261029
20902191515	SK-GW58-1029
20902191516	SK-GW63-1029
20902191517	SK-GW64-1029
20902191518	SK-GW65-1029
20902191519	SK-FD-1029
20902191520	SK-MS-1029 (GW63)
20902191521	SK-MSD-1029 (GW63)
20902191523	SK-TB-1029
20902191531	SKGW62A-1029
20902191532	SKGW24-1029
20902191533	SKGW59-1029
20902191534	SKGW61-1029
20902191535	SKGW60-1029
20902191536	SK-TB-1029

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. Three bromofluorobenzene (BFB) tunes were run on MSV0 on 2/23/09, 2/25/09, and 2/27/09. The BFB tune criteria are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 2/23/09 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 IC's 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

Three CCs dated 2/23/09, 2/25/09, and 2/27/09 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 for the CCs dated 2/23/09 and 2/25/09 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.

The CC RF's for the CC dated 2/27/09 were within the acceptance criteria for all target compounds with the exception of Acetone. Acetone was previously qualified under the section titled "Initial Calibration" therefore further data qualification was not warranted.

4. BLANKS

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

MB698237

There were no target compounds detected in method blank MB698237 analyzed on 2/23/09 (1307).

MB698658

There were no target compounds detected in method blank MB698658 analyzed on 2/25/09 (1127).

MB698629

Chloroform (0.51 ppb) was detected in method blank MB698629 analyzed on 2/27/09 (1131).

Storage Blank (VHBLK)

Chloroform (0.53 ppb) was detected in method blank Storage Blank analyzed on 2/27/09 (1431).

Trip Blank (SK-TB-1029)

There were no target compounds detected in the Trip Blank received on 2/19/09.

Trip Blank (SK-TB-1029)

There were no target compounds detected in the Trip Blank received on 2/21/09.

Trip Blank (SK-TB-1029)

There were no target compounds detected in the Trip Blank received on 2/27/09.

5. SYSTEM MONITORING COMPOUND RECOVERY

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

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW63-1029 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

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

8. INTERNAL STANDARDS PERFORMANCE

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

9. COMPOUND IDENTIFICATION

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

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

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

12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 209021915 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 February 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 209021915.

GCAL #	Sample Description
20902191501	SKGW301029
20902191502	SKGW07R1029
20902191503	SKFD1029
20902191509	SK-GW62B-1029
20902191510	SK-GW06R-1029
20902191513	SKGW261029
20902191515	SK-GW58-1029
20902191516	SK-GW63-1029
20902191517	SK-GW64-1029
20902191518	SK-GW65-1029
20902191519	SK-FD-1029
20902191520	SK-MS-1029 (GW63)
20902191521	SK-MSD-1029 (GW63)
20902191531	SKGW62A-1029
20902191532	SKGW24-1029
20902191533	SKGW59-1029
20902191534	SKGW61-1029
20902191535	SKGW60-1029

INTRODUCTION

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

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation. During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

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

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

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

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

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

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

1. HOLDING TIMES

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

2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits. The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check. The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM).

The percent breakdown for both 4,4'-DDT and endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and endrin in each PEM was less than 30.0% for both GC columns.

3. INITIAL CALIBRATION

Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20% with the exception of Endosulfan II (28.2%) associated with column RTX-35MS. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks. As per the National Functional Guidelines: up to two single component target pesticides (other than the surrogates) per column may exceed the 20.0 percent limit but the %RSD must be less than or equal to 30.0 percent.

4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent for the calibration verifications with the exception of 4,4'-DDT (30%) associated with PEM03. As per the National Functional Guidelines; if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all associated positive quantitative results with "J" and the sample quantitation limits for non-detects with "UJ".

5. BLANKS

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

Method Blank MB697510

No constituents were reported by GCAL for the method blank extracted on 2/25/09.

Method Blank MB698473

No constituents were reported by GCAL for the method blank extracted on 2/25/09.

Method Blank MB699713

No constituents were reported by GCAL for the method blank extracted on 3/2/09.

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 TCX associated with sample SK-GW64-1029 (22%). As per the National Functional Guidelines; if either spike surrogate recovery is greater than or equal to 10% but less than 30% then qualify detected results for that sample with "J" and quantitation limits with "UJ".

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-GW63-1029 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 (44%,44%), endrin (50%,49%) and gamma-BHC (51%,50%) 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 percent difference between the result from the primary column and conformational column exceeded the acceptance of ≤20% for gamma-Chlordane associated with samples SK-GW06R-1029 and beta-BHC associated with sample SK-GW58-1029. As per the CLP SOW OLM04.2 if the percent difference between the result from the primary column and conformational column exceeded the acceptance of < 20% qualify the associated result with "P". GCAL did not qualify the sample results therefore that data validator manually made the correction.

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 03/26/2009

GCAL Report 209021915

RESUBMITTED

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

Customer Earth Tech

Project Skinner Landfill-1st Quarter

CASE NARRATIVE

Client: Earth Tech **Report:** 209021915

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

Selected pages of this report were resubmitted on 04/29/09. Pages 1011-1013, 1017, 1020, 1022-1028, and 1036-1040 were revised with the E flag removed for Lead. Page 1061 was revised to include MB 699383. Pages 1061-1064 were revised with the correct concentrations for all CCBs and method blanks. Page 1070 was revised with the correct final ICSAB. Page 1080 was revised to exclude the % difference and E flag for Lead. Page 1083 was revised to include the wavelength for Mercury. Page 1088 (Form 12) was revised with the concentrations in ug/L rather than mg/L.

VOLATILES MASS SPECTROMETRY

In the OLC02.1 Volatile analysis for analytical batch 406983, Chloroform was detected at low levels in the blank. This is due to probable laboratory contamination.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 406610, bis(2-ethylhexyl)phthalate and Diethylphthalate were detected at low levels in the blank. This is due to probable laboratory contamination. The MS/MSD exhibited recovery failures due to matrix interference.

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 406790, Diethylphthalate was detected at low levels in the blank. This is due to probable laboratory contamination. The MS/MSD exhibited recovery failures due to matrix interference.

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 406917, Diethylphthalate was detected at low levels in the blank. This is due to probable laboratory contamination.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the CLP Pesticide analysis of sample 20902191517 (SK-GW64-1029), the surrogate recovery for TCMX was outside the suggested QC limits for the CLP 4.2 method.

In the CLP Pesticide analysis for prep batch 406789, the MS and MSD exhibited some recoveries that were outside the QC limits in both the MS and MSD.

In the CLP Pesticide analysis for work order 209021915 (SK-GW58-1029), on the confirmation column, DDT was high in the closing PEM samples, however this

compound was not being confirmed for and there were no positive hits for this compound in any of the associated samples so the data was not affected.

METALS

In the ILM04.1 CLP Cyanide analysis, samples 20902191534 (SKGW61-1029) and 20902191535 (SKGW60-1029) had to be diluted in order to bracket the concentrations within the linear dynamic range of the instrument. This is reflected in the elevated detection limits reported.

In the ILM04.1 - CLP Metals analysis for prep batch 406931, the MS and/or MSD recovery was outside the control limits for Lead. 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 64%. The MS and/or MSD recovery was outside the control limits for Thallium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference.

In the ILM04.1 - CLP Metals analysis for prep batch 406930, the MS and/or MSD 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 79%. The MS and/or MSD recovery was outside the control limits for Thallium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The MS recovery is not applicable for Iron because the sample concentration is greater than four times the spike concentration. Aluminum, Barium, and Potassium are flagged as estimated on the serial dilution form due to the fact that the percent difference between original sample result and the serial dilution result for the batch QC sample is greater than 10. A chemical or physical interference is suspected.

In the ILM04.1 CLP HG analysis for prep batch 406934, the MS and/or MSD recovery was outside the control limits for Mercury. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference.

In the ILM04.1 CLP HG analysis for prep batch 406932, the MS and/or MSD recovery was outside the control limits for Mercury. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference.

Dissolved Manganese was greater than Total Manganese in sample 20902191502 (SK GW07R1029). This is attributed to separate aliquots of sample.

Dissolved Manganese was greater than Total Manganese in sample 20902191503 (SKFD1029). This is attributed to separate aliquots of sample.

Dissolved Sodium was greater than Total Sodium in sample 20902191522 (SK-MSD-1029(GW-63)). This is attributed to separate aliquots of sample.

Dissolved Magnesium and Dissolved Sodium were greater than Total Magnesium and Total Sodium in sample 20902191533 (SK GW59-1029). This is attributed to separate aliquots of sample.

Dissolved Barium, Dissolved Calcium, Dissolved Iron, Dissolved Magnesium, Dissolved Manganese and Dissolved Sodium were greater than Total Barium, Total Calcium, Total Iron, Total Magnesium, Total Manganese and Total Sodium in sample 20902191534 (SKGW61-1029). This is attributed to separate aliquots of sample.

Laboratory Endorsement

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

Common Abbreviations Utilized in this Report

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

Reporting Flags Utilized in this Report

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

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

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

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

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 209021915

THIS REPORT CONTAINS 1,237 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20902191501	SKGW301029	Water	02/18/2009 15:40	02/19/2009 09:15
20902191502	SKGW07R1029	Water	02/18/2009 16:05	02/19/2009 09:15
20902191503	SKFD1029	Water	02/18/2009 16:15	02/19/2009 09:15
20902191504	SK-TB-1029	Water		02/19/2009 09:15
20902191505	VHBLK	Water		02/19/2009 09:15
20902191506	SKGW301029 (DISS)	Water	02/18/2009 15:40	02/19/2009 09:15
20902191507	SKGW07R1029 (DISS)	Water	02/18/2009 16:05	02/19/2009 09:15
20902191508	SKFD1029 (DISS)	Water	02/18/2009 16:15	02/19/2009 09:15
20902191509	SK-GW62B-1029	Water	02/19/2009 11:10	02/20/2009 09:45
20902191510	SK-GW06R-1029	Water	02/19/2009 14:25	02/20/2009 09:45
20902191511	SK-GW-62B-1029 (DISS)	Water	02/19/2009 11:10	02/20/2009 09:45
20902191512	SK-GW06R-1029 (DISS)	Water	02/19/2009 14:25	02/20/2009 09:45
20902191513	SKGW261029	Water	02/19/2009 11:35	02/20/2009 09:45
20902191514	SKGW261029 (DISS)	Water	02/19/2009 11:35	02/20/2009 09:45
20902191515	SK-GW58-1029	Water	02/20/2009 11:10	02/21/2009 09:45
20902191516	SK-GW63-1029	Water	02/20/2009 09:45	02/21/2009 09:45
20902191517	SK-GW64-1029	Water	02/20/2009 10:15	02/21/2009 09:45
20902191518	SK-GW65-1029	Water	02/20/2009 09:40	02/21/2009 09:45
20902191519	SK-FD-1029	Water	02/20/2009 00:00	02/21/2009 09:45
20902191520	SK-MS-1029 (GW63)	Water	02/20/2009 09:50	02/21/2009 09:45
20902191521	SK-MSD-1029 (GW63)	Water	02/20/2009 09:55	02/21/2009 09:45
20902191522	SK-DUP-1029 (GW63)	Water	02/20/2009 09:45	02/21/2009 09:45
20902191523	SK-TB-1029	Water		02/21/2009 09:45
20902191524	SK-GW58-1029 (DISS)	Water	02/20/2009 11:10	02/21/2009 09:45
20902191525	SK-GW63-1029 (DISS)	Water	02/20/2009 09:45	02/21/2009 09:45
20902191526	SK-GW64-1029 (DISS)	Water	02/20/2009 10:15	02/21/2009 09:45
20902191527	SK-GW65-1029 (DISS)	Water	02/20/2009 09:40	02/21/2009 09:45
20902191528	SK-FD-1029 (DISS)	Water	02/20/2009 00:00	02/21/2009 09:45
20902191529	SK-MS-1029 GW63 (DISS)	Water	02/20/2009 09:50	02/21/2009 09:45
20902191530	SK-DUP-1029 GW63 (DISS)	Water	02/20/2009 09:45	02/21/2009 09:45
20902191531	SKGW62A-1029	Water	02/25/2009 09:50	02/26/2009 09:15
20902191532	SKGW24-1029	Water	02/25/2009 12:40	02/26/2009 09:15
20902191533	SKGW59-1029	Water	02/25/2009 13:05	02/26/2009 09:15
20902191534	SKGW61-1029	Water	02/25/2009 10:30	02/26/2009 09:15
20902191535	SKGW60-1029	Water	02/25/2009 11:00	02/26/2009 09:15
20902191536	SK-TB-1029	Water		02/26/2009 09:15
20902191537	SKGW62A-1029 (DISS)	Water	02/25/2009 09:50	02/26/2009 09:15
20902191538	SKGW24-1029 (DISS)	Water	02/25/2009 12:40	02/26/2009 09:15
20902191539	SKGW59-1029 (DISS)	Water	02/25/2009 13:05	02/26/2009 09:15
20902191540	SKGW60-1029 (DISS)	Water	02/25/2009 11:00	02/26/2009 09:15
20902191541	SKGW61-1029 (DISS)	Water	02/25/2009 10:30	02/26/2009 09:15

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW301029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191501

Level: (low/med) Lab File ID: 2090223/y8280

% Moisture: not dec. Date Collected: 02/18/09 Time: 1540

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/19/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1405

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5/1/09 MSF

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW301029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191501

Level: (low/med) Lab File ID: 2090223/y8280

% Moisture: not dec. Date Collected: 02/18/09 Time: 1540

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/19/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1405

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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.
SKGW301029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191501

Sample wt/vol: Units: Lab File ID: 2090223/y8280T

Level: (low/med) Date Collected: 02/18/09 Time: 1540

% Moisture: not dec. Date Received: 02/19/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1405

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW07R1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191502

Level: (low/med) Lab File ID: 2090223/y8281

% Moisture: not dec. Date Collected: 02/18/09 Time: 1605

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/19/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1429

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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

5/1/09 MSG

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW07R1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191502

Level: (low/med) Lab File ID: 2090223/y8281

% Moisture: not dec. Date Collected: 02/18/09 Time: 1605

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/19/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1429

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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.

SKGW07R1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191502

Sample wt/vol: Units: Lab File ID: 2090223/y8281T

Level: (low/med) Date Collected: 02/18/09 Time: 1605

% Moisture: not dec. Date Received: 02/19/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1429

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKFD1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191503

Level: (low/med) Lab File ID: 2090223/y8282

% Moisture: not dec. Date Collected: 02/18/09 Time: 1615

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/19/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1455

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5/1/09 MGL

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKFD1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191503

Level: (low/med) Lab File ID: 2090223/y8282

% Moisture: not dec. Date Collected: 02/18/09 Time: 1615

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/19/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1455

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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.
SKFD1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191503

Sample wt/vol: Units: Lab File ID: 2090223/y8282T

Level: (low/med) Date Collected: 02/18/09 Time: 1615

% Moisture: not dec. Date Received: 02/19/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1455

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191504

Level: (low/med) Lab File ID: 2090223/y8283

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/19/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1519

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5/11/09 [illegible]

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191504

Level: (low/med) Lab File ID: 2090223/y8283

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/19/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1519

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191504

Sample wt/vol: Units: Lab File ID: 2090223/y8283T

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

% Moisture: not dec. Date Received: 02/19/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1519

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: *0*

CONCENTRATION UNITS: *ug/L*

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191505

Level: (low/med) Lab File ID: 2090227/y8381

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/19/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1431

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

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	0.53	JB	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

FORM I VOA

5/1/09 MGT

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191505

Level: (low/med) Lab File ID: 2090227/y8381

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/19/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1431

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191505

Sample wt/vol: Units: Lab File ID: 2090227/y8381T

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

% Moisture: not dec. Date Received: 02/19/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/27/09 Time: 1431

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: *0*

CONCENTRATION UNITS: *ug/L*

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62B-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191509

Level: (low/med) Lab File ID: 2090223/y8287

% Moisture: not dec. Date Collected: 02/19/09 Time: 1110

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1653

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5/1/09 mgu

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62B-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191509

Level: (low/med) Lab File ID: 2090223/y8287

% Moisture: not dec. Date Collected: 02/19/09 Time: 1110

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1653

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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-GW62B-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191509

Sample wt/vol: Units: Lab File ID: 2090223/y8287T

Level: (low/med) Date Collected: 02/19/09 Time: 1110

% Moisture: not dec. Date Received: 02/20/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1653

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: *ug/L*

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	60-29-7	Ether	2.193	.252	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW06R-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191510

Level: (low/med) Lab File ID: 2090223/y8288

% Moisture: not dec. Date Collected: 02/19/09 Time: 1425

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1716

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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

5/1/09 MGM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW06R-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191510

Level: (low/med) Lab File ID: 2090223/y8288

% Moisture: not dec. Date Collected: 02/19/09 Time: 1425

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1716

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW06R-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191510

Sample wt/vol: Units: Lab File ID: 2090223/y8288T

Level: (low/med) Date Collected: 02/19/09 Time: 1425

% Moisture: not dec. Date Received: 02/20/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1716

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW261029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191513

Level: (low/med) Lab File ID: 2090223/y8293

% Moisture: not dec. Date Collected: 02/19/09 Time: 1135

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1913

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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

5/1/09 MK

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW261029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191513

Level: (low/med) Lab File ID: 2090223/y8293

% Moisture: not dec. Date Collected: 02/19/09 Time: 1135

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1913

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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.
SKGW261029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191513

Sample wt/vol: Units: Lab File ID: 2090223/y8293T

Level: (low/med) Date Collected: 02/19/09 Time: 1135

% Moisture: not dec. Date Received: 02/20/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1913

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191515

Level: (low/med) Lab File ID: 2090223/y8294

% Moisture: not dec. Date Collected: 02/20/09 Time: 1110

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1936

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5 1/1/09
MSL

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191515

Level: (low/med) Lab File ID: 2090223/y8294

% Moisture: not dec. Date Collected: 02/20/09 Time: 1110

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1936

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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-GW58-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191515

Sample wt/vol: Units: Lab File ID: 2090223/y8294T

Level: (low/med) Date Collected: 02/20/09 Time: 1110

% Moisture: not dec. Date Received: 02/21/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1936

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191516

Level: (low/med) Lab File ID: 2090223/y8279

% Moisture: not dec. Date Collected: 02/20/09 Time: 0945

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1341

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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

FORM I VOA

5/8/09 MSA

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191516

Level: (low/med) Lab File ID: 2090223/y8279

% Moisture: not dec. Date Collected: 02/20/09 Time: 0945

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1341

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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-GW63-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191516

Sample wt/vol: Units: Lab File ID: 2090223/y8279T

Level: (low/med) Date Collected: 02/20/09 Time: 0945

% Moisture: not dec. Date Received: 02/21/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1341

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	1.458	.553	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW64-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191517

Level: (low/med) Lab File ID: 2090223/y8295

% Moisture: not dec. Date Collected: 02/20/09 Time: 1015

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1959

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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

5/1/09 MYA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW64-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191517

Level: (low/med) Lab File ID: 2090223/y8295

% Moisture: not dec. Date Collected: 02/20/09 Time: 1015

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1959

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW64-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191517

Sample wt/vol: Units: Lab File ID: 2090223/y8295T

Level: (low/med) Date Collected: 02/20/09 Time: 1015

% Moisture: not dec. Date Received: 02/21/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1959

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	108-20-3	Diisopropyl ether	3.611	.844	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW65-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191518

Level: (low/med) Lab File ID: 2090223/y8296

% Moisture: not dec. Date Collected: 02/20/09 Time: 0940

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 2023

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5/1/09 MSA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW65-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191518

Level: (low/med) Lab File ID: 2090223/y8296

% Moisture: not dec. Date Collected: 02/20/09 Time: 0940

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 2023

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW65-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191518

Sample wt/vol: Units: Lab File ID: 2090223/y8296T

Level: (low/med) Date Collected: 02/20/09 Time: 0940

% Moisture: not dec. Date Received: 02/21/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 2023

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: *ug/L*

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191519

Level: (low/med) Lab File ID: 2090223/y8297

% Moisture: not dec. Date Collected: 02/20/09 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 2046

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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

5/1/09 MKA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191519

Level: (low/med) Lab File ID: 2090223/y8297

% Moisture: not dec. Date Collected: 02/20/09 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 2046

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-FD-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191519

Sample wt/vol: Units: Lab File ID: 2090223/y8297T

Level: (low/med) Date Collected: 02/20/09 Time: 0000

% Moisture: not dec. Date Received: 02/21/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 2046

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: *ug/L*

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MS-1029 (GW63)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191520

Level: (low/med) Lab File ID: 2090223/y8284ms

% Moisture: not dec. Date Collected: 02/20/09 Time: 0950

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1542

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	***COMPOUND***	***RESULT***	***Q***	***MDL***	***RL***
79-00-5	1,1,2-Trichloroethane	5.1		0.010	1.0
106-93-4	1,2-Dibromoethane	5.1		0.010	1.0
107-06-2	1,2-Dichloroethane	5.2		0.010	1.0
78-87-5	1,2-Dichloropropane	4.9		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.4		0.010	1.0
71-43-2	Benzene	5.2		0.010	1.0
75-25-2	Bromoform	5.4		0.010	1.0
56-23-5	Carbon tetrachloride	4.6		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.0		0.010	1.0
127-18-4	Tetrachloroethene	4.7		0.010	1.0
79-01-6	Trichloroethene	4.9		0.010	1.0
75-01-4	Vinyl chloride	5.4		0.010	1.0

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MSD-1029 (GW63)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191521

Level: (low/med) Lab File ID: 2090223/y8285msd

% Moisture: not dec. Date Collected: 02/20/09 Time: 0955

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1606

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	4.7		0.010	1.0
106-93-4	1,2-Dibromoethane	5.0		0.010	1.0
107-06-2	1,2-Dichloroethane	5.7		0.010	1.0
78-87-5	1,2-Dichloropropane	4.5		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.2		0.010	1.0
71-43-2	Benzene	4.7		0.010	1.0
75-25-2	Bromoform	5.5		0.010	1.0
56-23-5	Carbon tetrachloride	4.3		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	4.8		0.010	1.0
127-18-4	Tetrachloroethene	4.3		0.010	1.0
79-01-6	Trichloroethene	4.4		0.010	1.0
75-01-4	Vinyl chloride	5.3		0.010	1.0

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191523

Level: (low/med) Lab File ID: 2090224/y8304

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/25/09 Time: 1241

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406818

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

5/1/09 MSA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191523

Level: (low/med) Lab File ID: 2090224/y8304

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/21/09

Instrument ID: MSV0 Date Analyzed: 02/25/09 Time: 1241

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406818

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-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191523

Sample wt/vol: Units: Lab File ID: 2090224/y8304T

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

% Moisture: not dec. Date Received: 02/21/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/25/09 Time: 1241

Instrument ID: MSV0 Dilution Factor: 1 Analyst: JCK

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.

SKGW62A-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191531

Level: (low/med) Lab File ID: 2090227/y8375

% Moisture: not dec. Date Collected: 02/25/09 Time: 0950

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1154

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5/11/09 mgk

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW62A-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191531

Level: (low/med) Lab File ID: 2090227/y8375

% Moisture: not dec. Date Collected: 02/25/09 Time: 0950

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1154

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

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.
SKGW62A-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191531

Sample wt/vol: Units: Lab File ID: 2090227/y8375T

Level: (low/med) Date Collected: 02/25/09 Time: 0950

% Moisture: not dec. Date Received: 02/26/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/27/09 Time: 1154

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: *0*

CONCENTRATION UNITS: *ug/L*

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW24-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191532

Level: (low/med) Lab File ID: 2090227ly8376

% Moisture: not dec. Date Collected: 02/25/09 Time: 1240

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1217

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5/1/09 MM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW24-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191532

Level: (low/med) Lab File ID: 2090227/y8376

% Moisture: not dec. Date Collected: 02/25/09 Time: 1240

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1217

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

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.

SKGW24-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191532

Sample wt/vol: Units: Lab File ID: 2090227/y8376T

Level: (low/med) Date Collected: 02/25/09 Time: 1240

% Moisture: not dec. Date Received: 02/26/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/27/09 Time: 1217

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: *0*

CONCENTRATION UNITS: *ug/L*

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW59-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191533

Level: (low/med) Lab File ID: 2090227/y8377

% Moisture: not dec. Date Collected: 02/25/09 Time: 1305

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1241

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5/1/09 MGA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW59-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191533

Level: (low/med) Lab File ID: 2090227/y8377

% Moisture: not dec. Date Collected: 02/25/09 Time: 1305

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1241

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

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.
SKGW59-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191533

Sample wt/vol: Units: Lab File ID: 2090227/y8377T

Level: (low/med) Date Collected: 02/25/09 Time: 1305

% Moisture: not dec. Date Received: 02/26/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/27/09 Time: 1241

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW61-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191534

Level: (low/med) Lab File ID: 2090227/y8378

% Moisture: not dec. Date Collected: 02/25/09 Time: 1030

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1304

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

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

5/1/09 MRL

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW61-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191534

Level: (low/med) Lab File ID: 2090227/y8378

% Moisture: not dec. *Date Collected:* *02/25/09* *Time:* *1030*

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1304

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

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.
SKGW61-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191534

Sample wt/vol: Units: Lab File ID: 2090227/y8378T

Level: (low/med) Date Collected: 02/25/09 Time: 1030

% Moisture: not dec. Date Received: 02/26/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/27/09 Time: 1304

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: *ug/L*

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW60-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191535

Level: (low/med) Lab File ID: 2090227/y6379

% Moisture: not dec. Date Collected: 02/25/09 Time: 1100

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1328

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5/1/09 MSR

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW60-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191535

Level: (low/med) Lab File ID: 2090227/y8379

% Moisture: not dec. Date Collected: 02/25/09 Time: 1100

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1328

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

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.
SKGW60-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191535

Sample wt/vol: Units: Lab File ID: 2090227/y8379T

Level: (low/med) Date Collected: 02/25/09 Time: 1100

% Moisture: not dec. Date Received: 02/26/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/27/09 Time: 1328

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191536

Level: (low/med) Lab File ID: 2090227/y8380

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1351

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

5/1/09 MGR

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902191536

Level: (low/med) Lab File ID: 2090227/y8380

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/26/09

Instrument ID: MSV0 Date Analyzed: 02/27/09 Time: 1351

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406983

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-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021915

Matrix: Water Lab Sample ID: 20902191536

Sample wt/vol: Units: Lab File ID: 2090227/y8380T

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

% Moisture: not dec. Date Received: 02/26/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/27/09 Time: 1351

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW301029

Contract:

Lab File ID: 2090302p/d3429

Lab Sample ID: 20902191501

Date Collected: 02/18/09 Time: 1540

Date Received: 02/19/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1222

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021915

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: SKGW301029

Contract:

Lab File ID: 2090302p/d3429

Lab Sample ID: 20902191501

Date Collected: 02/18/09 Time: 1540

Date Received: 02/19/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1222

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10 ~~7~~	JB	0.01	10	UL
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	10 ~~8~~	JB	0.01	10	UL
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

5/1/09 MSK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW301029

Contract:

Lab File ID: 2090302p/d3429

Lab Sample ID: 20902191501

Date Collected: 02/18/09 Time: 1540

Date Received: 02/19/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1222

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021915

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: SKGW301029

Contract:

Lab File ID: 2090302p/d3429

Lab Sample ID: 20902191501

Date Collected: 02/18/09 Time: 1540

Date Received: 02/19/09

Date Extracted: 2/20/09

Date Analyzed: 03/02/09 Time: 1222

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	.799	.606	
2.		Unknown	1.072	.255	
3.		Unknown	1.249	.491	
4.		Unknown	2.746	3.66	
5.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.8	.942	
6.	10544-50-0	Sulfur, mol. (S8)	4.768	8.85	
7.		Unknown	5.495	.315	
8.	0-00-0	Tranylcypromine, pentafluorobe	8.667	.235	

5/1/09

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW07R1029

Contract:

Lab File ID: 2090302p/d3430

Lab Sample ID: 20902191502

Date Collected: 02/18/09 Time: 1605

Date Received: 02/19/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1238

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021915

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: SKGW07R1029

Contract:

Lab File ID: 2090302p/d3430

Lab Sample ID: 20902191502

Date Collected: 02/18/09 Time: 1605

Date Received: 02/19/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1238

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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 ~~2~~	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

5/1/09 [illegible]

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW07R1029

Contract:

Lab File ID: 2090302p/d3430

Lab Sample ID: 20902191502

Date Collected: 02/18/09 Time: 1605

Date Received: 02/19/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1238

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021915
Matrix: Water
Sample wt/vol: 970 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: SKGW07R1029
Contract:
Lab File ID: 2090302p/d3430
Lab Sample ID: 20902191502
Date Collected: 02/18/09 Time: 1605
Date Received: 02/19/09
Date Extracted: 2/20/09
Date Analyzed: 03/02/09 Time: 1238
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV4

Number TICs Found : 9

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.751	1.84	
2.		Unknown	.799	.572	
3.		Unknown	.815	.533	
4.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.249	1.41	
5.		Unknown	2.8	.452	
6.		Unknown	4.126	.329	
7.		Unknown	4.538	.599	
8.	10544-50-0	Sulfur, mol. (S8)	4.768	19.2	
9.		Unknown	5.009	.334	

FORM I SV-TIC

5/1/09 [illegible]

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKFD1029

Contract:

Lab File ID: 2090302p/d3431

Lab Sample ID: 20902191503

Date Collected: 02/18/09 Time: 1615

Date Received: 02/19/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1253

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021915

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: SKFD1029

Contract:

Lab File ID: 2090302p/d3431

Lab Sample ID: 20902191503

Date Collected: 02/18/09 Time: 1615

Date Received: 02/19/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1253

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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 ~~2~~	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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5/1/09 MGW

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKFD1029

Contract:

Lab File ID: 2090302p/d3431

Lab Sample ID: 20902191503

Date Collected: 02/18/09 Time: 1615

Date Received: 02/19/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1253

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021915

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: SKFD1029

Contract:

Lab File ID: 2090302p/d3431

Lab Sample ID: 20902191503

Date Collected: 02/18/09 Time: 1615

Date Received: 02/19/09

Date Extracted: 2/20/09

Date Analyzed: 03/02/09 Time: 1253

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM 4.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 10

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.757	1.26	
2.	10245-65-5	5H-Naphtho[1,8-bc]thiophen-5-o	6.635	.372	
3.		Unknown	.805	.516	
4.		Unknown	1.249	.993	
5.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.8	.41	
6.		Unknown	4.126	.41	
7.	120-40-1	Dodecanamide, N,N-bis(2-hydrox	4.538	.772	
8.	3389-71-7	Bicyclo[2.2.1]hepta-2,5-diene,	4.597	.404	
9.	10544-50-0	Sulfur, mol. (S8)	4.768	22.7	
10.		Unknown	5.009	.562	

5/1/09

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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-1029

Contract:

Lab File ID: 2090302p/d3432

Lab Sample ID: 20902191510

Date Collected: 02/19/09 Time: 1425

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1334

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021915

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-1029

Contract:

Lab File ID: 2090302p/d3432

Lab Sample ID: 20902191510

Date Collected: 02/19/09 Time: 1425

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1334

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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 ~~6~~	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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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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-1029

Contract:

Lab File ID: 2090302p/d3432

Lab Sample ID: 20902191510

Date Collected: 02/19/09 Time: 1425

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1334

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021915

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-1029

Contract:

Lab File ID: 2090302p/d3432

Lab Sample ID: 20902191510

Date Collected: 02/19/09 Time: 1425

Date Received: 02/20/09

Date Extracted: 2/20/09

Date Analyzed: 03/02/09 Time: 1334

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM 4.2 SVOA

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	.799	.576	
2.	2233-00-3	1-Propene, 3,3,3-trichloro-	1.248	.83	
3.		Unknown	2.634	.36	
4.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.805	.538	
5.		Unknown	4.538	.72	
6.	3389-71-7	Bicyclo[2.2.1]hepta-2,5-diene,	4.602	.404	
7.	10544-50-0	Sulfur, mol. (S8)	4.773	37.2	
8.	18268-45-6	Dodecanoic acid, silver(1+) sa	5.008	.752	
9.		Unknown	5.501	.397	

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW261029

Contract:

Lab File ID: 2090306/d3533

Lab Sample ID: 20902191513

Date Collected: 02/19/09 Time: 1135

Date Received: 02/20/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1208

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

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: SKGW261029

Contract:

Lab File ID: 2090306/d3533

Lab Sample ID: 20902191513

Date Collected: 02/19/09 Time: 1135

Date Received: 02/20/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1208

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	1	J	0.01	10	
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	~~1~~ 10	JB	0.01	10	U
131-11-3	Dimethyl-phthalate	10	U	0.01	10	
105-67-9	2,4-Dimethylphenol	10	U	0.01	10	
206-44-0	Fluoranthene	10	U	0.01	10	
86-73-7	Fluorene	10	U	0.01	10	
118-74-1	Hexachlorobenzene	10	U	0.01	10	
87-68-3	Hexachlorobutadiene	10	U	0.01	10	
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10	
67-72-1	Hexachloroethane	10	U	0.01	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10	
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.: 209021915

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: SKGW261029

Contract:

Lab File ID: 2090306/d3533

Lab Sample ID: 20902191513

Date Collected: 02/19/09 Time: 1135

Date Received: 02/20/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1208

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

Matrix: Water

Sample wt/vol: 950 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: SKGW261029

Contract:

Lab File ID: 2090306/d3533

Lab Sample ID: 20902191513

Date Collected: 02/19/09 Time: 1135

Date Received: 02/20/09

Date Extracted: 3/25/09

Date Analyzed: 03/06/09 Time: 1208

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM 4.2 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.		Unknown	.783	.631	
2.		Unknown	3.072	.17	
3.		Unknown	.794	2.08	
4.	758-21-4	Silane, ethyldimethyl-	1.174	.6	
5.		Unknown	1.19	.286	
6.	96-19-5	1-Propene, 1,2,3-trichloro-	1.227	1.43	
7.		Unknown	1.313	.297	
8.		Unknown	1.992	.205	
9.		Unknown	2.013	.22	
10.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.773	.484	

FORM I SV-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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-GW58-1029

Contract:

Lab File ID: 2090306/d3534

Lab Sample ID: 20902191515

Date Collected: 02/20/09 Time: 1110

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1223

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

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-GW58-1029

Contract:

Lab File ID: 2090306/d3534

Lab Sample ID: 20902191515

Date Collected: 02/20/09 Time: 1110

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1223

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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 ~~2~~	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

5/1/09 MSL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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-GW58-1029

Contract:

Lab File ID: 2090306/d3534

Lab Sample ID: 20902191515

Date Collected: 02/20/09 Time: 1110

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1223

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

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-GW58-1029

Contract:

Lab File ID: 2090306/d3534

Lab Sample ID: 20902191515

Date Collected: 02/20/09 Time: 1110

Date Received: 02/21/09

Date Extracted: 2/25/09

Date Analyzed: 03/06/09 Time: 1223

Dilution Factor: 1 Analyst: KCB

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	.735	5.7	
2.		Unknown	.778	.544	
3.		Unknown	1.227	.464	
4.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.773	.415	
5.		Unknown	2.875	.162	
6.	1719-06-8	Anthracene-d10-	4.083	.162	
7.	10544-50-0	Sulfur, mol. (S8)	4.736	.251	
8.	117-84-0	Di-n-octyl phthalate	5.774	.207	

5/1/09 MGA

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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-GW63-1029

Contract:

Lab File ID: 2090306/d3535

Lab Sample ID: 20902191516

Date Collected: 02/20/09 Time: 0945

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1257

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

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-GW63-1029

Contract:

Lab File ID: 2090306/d3535

Lab Sample ID: 20902191516

Date Collected: 02/20/09 Time: 0945

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1257

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	0.8	J	0.01	10	
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	10 2	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

5/1/09

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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-GW63-1029

Contract:

Lab File ID: 2090306/d3535

Lab Sample ID: 20902191516

Date Collected: 02/20/09 Time: 0945

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1257

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

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-GW63-1029

Contract:

Lab File ID: 2090306/d3535

Lab Sample ID: 20902191516

Date Collected: 02/20/09 Time: 0945

Date Received: 02/21/09

Date Extracted: 2/25/09

Date Analyzed: 03/06/09 Time: 1257

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM 4.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 9

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	4461-48-7	2-Pentene, 4-methyl-	.735	8.85	
2.		Unknown	.783	.629	
3.		Unknown	1.227	.357	
4.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.773	.505	
5.		Unknown	3.361	1.65	
6.		Unknown	4.516	.456	
7.		Unknown	4.575	.261	
8.	10544-50-0	Sulfur, mol. (S8)	4.736	1.46	
9.		Unknown	4.992	.485	

5/1/09 [illegible]

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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-GW64-1029

Contract:

Lab File ID: 2090306/d3536

Lab Sample ID: 20902191517

Date Collected: 02/20/09 Time: 1015

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1312

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

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-GW64-1029

Contract:

Lab File ID: 2090306/d3536

Lab Sample ID: 20902191517

Date Collected: 02/20/09 Time: 1015

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1312

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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 ~~2~~	JB	0.01	10	UL
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.: 209021915

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-GW64-1029

Contract:

Lab File ID: 2090306/d3536

Lab Sample ID: 20902191517

Date Collected: 02/20/09 Time: 1015

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1312

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

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-GW64-1029

Contract:

Lab File ID: 2090306/d3536

Lab Sample ID: 20902191517

Date Collected: 02/20/09 Time: 1015

Date Received: 02/21/09

Date Extracted: 2/25/09

Date Analyzed: 03/06/09 Time: 1312

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM 4.2 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.		Unknown	.623	11.4	
2.		Unknown	6.784	1.6	
3.	558-37-2	1-Butene, 3,3-dimethyl-	.735	11.9	
4.	594-04-7	Dichloroiodomethane	.757	1	
5.	1556-18-9	Cyclopentane, iodo-	1.19	.763	
6.		Unknown	2.003	1.95	
7.	680-31-9	Hexamethylphosphoric triamide	2.612	.654	
8.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.773	.618	
9.		Unknown	5.404	1.33	
10.		Unknown	6.64	1.22	

5/1/09 MSE

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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-1029

Contract:

Lab File ID: 2090306/d3537

Lab Sample ID: 20902191519

Date Collected: 02/20/09 Time: 0000

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1327

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

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-1029

Contract:

Lab File ID: 2090306/d3537

Lab Sample ID: 20902191519

Date Collected: 02/20/09 Time: 0000

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1327

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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 ~~1~~	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

5/1/09 [illegible]

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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-1029

Contract:

Lab File ID: 2090306/d3537

Lab Sample ID: 20902191519

Date Collected: 02/20/09 Time: 0000

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1327

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

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-1029

Contract:

Lab File ID: 2090306/d3537

Lab Sample ID: 20902191519

Date Collected: 02/20/09 Time: 0000

Date Received: 02/21/09

Date Extracted: 2/25/09

Date Analyzed: 03/06/09 Time: 1327

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM 4.2 SVOA

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	.735	5.53	
2.	3274-29-1	Heptanoic acid, 2-ethyl-	1.997	17.8	
3.	112-34-5	Ethanol, 2-(2-butoxyethoxy)-	2.195	2.42	
4.		Unknown	2.377	3.19	
5.	816-19-3	Hexanoic acid, 2-ethyl-, methy	2.441	2.56	
6.		Unknown	2.506	5.84	
7.		Unknown	2.532	2.98	
8.	59-48-3	2H-Indol-2-one, 1,3-dihydro-	3.351	1.28	
9.	1953-54-4	1H-Indol-5-ol	3.479	1.71	

3/1/09 MSA

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-MS-1029 (GW63)

Contract:

Lab File ID: 2090306/d3538

Lab Sample ID: 20902191520

Date Collected: 02/20/09 Time: 0950

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1343

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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	36		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	53		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	54		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	38		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.: 209021915

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-MS-1029 (GW63)

Contract:

Lab File ID: 2090306/d3538

Lab Sample ID: 20902191520

Date Collected: 02/20/09 Time: 0950

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1343

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	0.9	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 2	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	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	64		0.01	25
87-86-5	Pentachlorophenol	80		0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	49		0.01	10
129-00-0	Pyrene	29		0.01	10
621-64-7	N-Nitroso-di-n-propylamine	29		0.01	10

ll

FORM I SV-1

5/1/09 MGL

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-MS-1029 (GW63)

Contract:

Lab File ID: 2090306/d3538

Lab Sample ID: 20902191520

Date Collected: 02/20/09 Time: 0950

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1343

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-MSD-1029 (GW63)

Contract:

Lab File ID: 2090306/d3539

Lab Sample ID: 20902191521

Date Collected: 02/20/09 Time: 0955

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1358

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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	40		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	56		0.01	10
91-57-6	2-Methylnaphthalene	10	U	0.01	10
88-74-4	2-Nitroaniline	25	U	0.01	25
88-75-5	2-Nitrophenol	10	U	0.01	10
91-94-1	3,3'-Dichlorobenzidine	10	U	0.01	10
99-09-2	3-Nitroaniline	25	U	0.01	25
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	0.01	25
59-50-7	4-Chloro-3-methylphenol	56		0.01	10
106-47-8	4-Chloroaniline	10	U	0.01	10
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.01	10
106-44-5	4-Methylphenol (p-Cresol)	10	U	0.01	10
83-32-9	Acenaphthene	41		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.: 209021915

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-MSD-1029 (GW63)

Contract:

Lab File ID: 2090306/d3539

Lab Sample ID: 20902191521

Date Collected: 02/20/09 Time: 0955

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1358

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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 ~~2~~	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	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	69		0.01	25
87-86-5	Pentachlorophenol	87		0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	53		0.01	10
129-00-0	Pyrene	28		0.01	10
621-64-7	N-Nitroso-di-n-propylamine	29		0.01	10

LL

FORM I SV-1

5/1/09 PSM

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-MSD-1029 (GW63)

Contract:

Lab File ID: 2090306/d3539

Lab Sample ID: 20902191521

Date Collected: 02/20/09 Time: 0955

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 1358

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406790 Analytical Batch: 407386

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.: 209021915

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: SKGW62A-1029

Contract:

Lab File ID: 2090306/d3528

Lab Sample ID: 20902191531

Date Collected: 02/25/09 Time: 0950

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1051

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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.: 209021915

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: SKGW62A-1029

Contract:

Lab File ID: 2090306/d3528

Lab Sample ID: 20902191531

Date Collected: 02/25/09 Time: 0950

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1051

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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	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

5/1/09 pka

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW62A-1029

Contract:

Lab File ID: 2090306/d3528

Lab Sample ID: 20902191531

Date Collected: 02/25/09 Time: 0950

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1051

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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.: 209021915

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: SKGW62A-1029

Contract:

Lab File ID: 2090306/d3528

Lab Sample ID: 20902191531

Date Collected: 02/25/09 Time: 0950

Date Received: 02/26/09

Date Extracted: 2/26/09

Date Analyzed: 03/06/09 Time: 1051

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM 4.2 SVOA

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.	625-33-2	3-Penten-2-one	.735	4.77	
2.		Unknown	.783	.458	
3.		Unknown	1.19	.571	
4.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.227	2.24	
5.		Unknown	1.479	.312	
6.	105-60-2	Caprolactam	2.447	.215	
7.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.773	.48	
8.		Unknown	3.078	.177	
9.	84-61-7	1,2-Benzenedicarboxylic acid,	5.774	.418	

5/1/09 mae

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW24-1029

Contract:

Lab File ID: 2090306/d3529

Lab Sample ID: 20902191532

Date Collected: 02/25/09 Time: 1240

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1106

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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.: 209021915

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: SKGW24-1029

Contract:

Lab File ID: 2090306/d3529

Lab Sample ID: 20902191532

Date Collected: 02/25/09 Time: 1240

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1106

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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 ~~.8~~	JB	0.01	10	LL
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

5/1/09 MGL

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW24-1029

Contract:

Lab File ID: 2090306/d3529

Lab Sample ID: 20902191532

Date Collected: 02/25/09 Time: 1240

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1106

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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.: 209021915
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: SKGW24-1029
Contract:
Lab File ID: 2090306/d3529
Lab Sample ID: 20902191532
Date Collected: 02/25/09 Time: 1240
Date Received: 02/26/09
Date Extracted: 02/26/09
Date Analyzed: 03/06/09 Time: 1106
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV4

Number TICs Found : 9

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.735	4.16	
2.	75-09-2	Methylene Chloride	.762	.258	
3.		Unknown	.783	.752	
4.		Unknown	1.19	.326	
5.		Unknown	1.227	1.37	
6.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.773	.444	
7.		Unknown	3.281	.161	
8.	10544-50-0	Sulfur, mol. (S8)	4.736	.931	
9.	84-61-7	1,2-Benzenedicarboxylic acid,	5.773	.278	

5/1/09 [illegible]

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW59-1029

Contract:

Lab File ID: 2090306/d3530

Lab Sample ID: 20902191533

Date Collected: 02/25/09 Time: 1305

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1122

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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.: 209021915

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: SKGW59-1029

Contract:

Lab File ID: 2090306/d3530

Lab Sample ID: 20902191533

Date Collected: 02/25/09 Time: 1305

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1122

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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 ~~2~~	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

5/1/09 MSL

502

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW59-1029

Contract:

Lab File ID: 2090306/d3530

Lab Sample ID: 20902191533

Date Collected: 02/25/09 Time: 1305

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1122

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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.: 209021915

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: SKGW59-1029

Contract:

Lab File ID: 2090306/d3530

Lab Sample ID: 20902191533

Date Collected: 02/25/09 Time: 1305

Date Received: 02/26/09

Date Extracted: 2/26/09

Date Analyzed: 03/06/09 Time: 1122

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	.778	.445	
2.		Unknown	1.19	.312	
3.	21400-25-9	1-Propene, 1,1,2-trichloro-	1.227	1.29	
4.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.773	.486	
5.	640-61-9	Benzenesulfonamide, N,4-dimeth	3.768	.179	
6.		Unknown	4.083	.353	
7.		Unknown	4.575	.199	
8.		Unknown	5.774	.25	

5/1/09 MKA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW61-1029

Contract:

Lab File ID: 2090306/d3531

Lab Sample ID: 20902191534

Date Collected: 02/25/09 Time: 1030

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1137

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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.: 209021915

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: SKGW61-1029

Contract:

Lab File ID: 2090306/d3531

Lab Sample ID: 20902191534

Date Collected: 02/25/09 Time: 1030

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1137

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	0.8	J	0.01	10	
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	10 ~~3~~	JB	0.01	10	LL
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

5/1/09 MRA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021915

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: SKGW61-1029

Contract:

Lab File ID: 2090306/d3531

Lab Sample ID: 20902191534

Date Collected: 02/25/09 Time: 1030

Date Received: 02/26/09

Date Extracted: 02/26/09

Date Analyzed: 03/06/09 Time: 1137

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406917 Analytical Batch: 407386

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.: 209021915

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: SKGW61-1029

Contract:

Lab File ID: 2090306/d3531

Lab Sample ID: 20902191534

Date Collected: 02/25/09 Time: 1030

Date Received: 02/26/09

Date Extracted: 2/26/09

Date Analyzed: 03/06/09 Time: 1137

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	15980-15-1	1,4-Oxathiane	.976	1.08	
2.	96-19-5	1-Propene, 1,2,3-trichloro-	1.227	1.9	
3.	56009-36-0	2-Pentenoic acid, 2-methoxy-4-	2.505	2.41	
4.		Unknown	2.559	1.24	
5.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.773	.76	
6.		Unknown	4.431	4.52	
7.		Unknown	4.522	.616	
8.		Unknown	4.757	1.31	

5/11/09

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 406630 Analytical Batch: 407568

Sample ID: SKGW301029
Contract:
SAS No.: SDG No.: 209021915
Lab Sample ID: 20902191501
Date Collected: 02/18/09 Time: 1540
Date Received: 02/19/09
Date Extracted: 02/25/09
Date Analyzed: 03/07/09 Time: 0244
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: 2090306p/sv18a036

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.00240	J	0.000100	0.050

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FORM I ORG-1

5/1/09 MSA

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: 406630 Analytical Batch: 407568

CONCENTRATION UNITS: ug/L

Sample ID: SKGW07R1029

Contract:

SAS No.: SDG No.: 209021915

Lab Sample ID: 20902191502

Date Collected: 02/18/09 Time: 1605

Date Received: 02/19/09

Date Extracted: 02/25/09

Date Analyzed: 03/07/09 Time: 0302

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: 2090306p/sv18a037

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

UJ

FORM I ORG-1

5/1/09 MGL

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SKFD1029
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 209021915
Sample wt/vol: 940 Units: mL
Lab Sample ID: 20902191503
Level: (low/med) LOW
Date Collected: 02/18/09 Time: 1615
% Moisture: decanted: (Y/N)
Date Received: 02/19/09
GC Column: ID: (mm)
Date Extracted: 02/25/09
Concentrated Extract Volume: 1000 (µL)
Date Analyzed: 03/07/09 Time: 0320
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: 406630 Analytical Batch: 407568
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L
Lab File ID: 2090306p/sv18a038

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.106	U	0.000106	0.106
72-55-9	4,4'-DDE	0.106	U	0.000106	0.106
50-29-3	4,4'-DDT	0.106	U	0.000106	0.106
309-00-2	Aldrin	0.053	U	0.000106	0.053
12674-11-2	Aroclor-1016	1.06	U	0.000106	1.06
11104-28-2	Aroclor-1221	2.13	U	0.000106	2.13
11141-16-5	Aroclor-1232	1.06	U	0.000106	1.06
53469-21-9	Aroclor-1242	1.06	U	0.000106	1.06
12672-29-6	Aroclor-1248	1.06	U	0.000106	1.06
11097-69-1	Aroclor-1254	1.06	U	0.000106	1.06
11096-82-5	Aroclor-1260	1.06	U	0.000106	1.06
60-57-1	Dieldrin	0.106	U	0.000106	0.106
959-98-8	Endosulfan I	0.053	U	0.000106	0.053
33213-65-9	Endosulfan II	0.106	U	0.000106	0.106
1031-07-8	Endosulfan sulfate	0.106	U	0.000106	0.106
72-20-8	Endrin	0.106	U	0.000106	0.106
7421-93-4	Endrin aldehyde	0.106	U	0.000106	0.106
53494-70-5	Endrin ketone	0.106	U	0.000106	0.106
76-44-8	Heptachlor	0.053	U	0.000106	0.053
1024-57-3	Heptachlor epoxide	0.053	U	0.000106	0.053
72-43-5	Methoxychlor	0.532	U	0.000106	0.532
8001-35-2	Toxaphene	5.32	U	0.000106	5.32
319-84-6	alpha-BHC	0.053	U	0.000106	0.053
5103-71-9	alpha-Chlordane	0.053	U	0.000106	0.053
319-85-7	beta-BHC	0.053	U	0.000106	0.053
319-86-8	delta-BHC	0.053	U	0.000106	0.053
58-89-9	gamma-BHC (Lindane)	0.053	U	0.000106	0.053
5103-74-2	gamma-Chlordane	0.053	U	0.000106	0.053

UJ

FORM I ORG-1

5/11/09 MGM

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 940 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: 406630 Analytical Batch: 407568
CONCENTRATION UNITS: ug/L

Sample ID: SK-GW06R-1029
Contract:
SAS No.: SDG No.: 209021915
Lab Sample ID: 20902191510
Date Collected: 02/19/09 Time: 1425
Date Received: 02/20/09
Date Extracted: 02/25/09
Date Analyzed: 03/07/09 Time: 0338
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: 2090306p/sv18a039

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.106	U	0.000106	0.106
72-55-9	4,4'-DDE	0.106	U	0.000106	0.106
50-29-3	4,4'-DDT	0.106	U	0.000106	0.106
309-00-2	Aldrin	0.053	U	0.000106	0.053
12674-11-2	Aroclor-1016	1.06	U	0.000106	1.06
11104-28-2	Aroclor-1221	2.13	U	0.000106	2.13
11141-16-5	Aroclor-1232	1.06	U	0.000106	1.06
53469-21-9	Aroclor-1242	1.06	U	0.000106	1.06
12672-29-6	Aroclor-1248	1.06	U	0.000106	1.06
11097-69-1	Aroclor-1254	1.06	U	0.000106	1.06
11096-82-5	Aroclor-1260	1.06	U	0.000106	1.06
60-57-1	Dieldrin	0.106	U	0.000106	0.106
959-98-8	Endosulfan I	0.00230	J	0.000106	0.053
33213-65-9	Endosulfan II	0.106	U	0.000106	0.106
1031-07-8	Endosulfan sulfate	0.106	U	0.000106	0.106
72-20-8	Endrin	0.106	U	0.000106	0.106
7421-93-4	Endrin aldehyde	0.106	U	0.000106	0.106
53494-70-5	Endrin ketone	0.106	U	0.000106	0.106
76-44-8	Heptachlor	0.053	U	0.000106	0.053
1024-57-3	Heptachlor epoxide	0.053	U	0.000106	0.053
72-43-5	Methoxychlor	0.532	U	0.000106	0.532
8001-35-2	Toxaphene	5.32	U	0.000106	5.32
319-84-6	alpha-BHC	0.053	U	0.000106	0.053
5103-71-9	alpha-Chlordane	0.053	U	0.000106	0.053
319-85-7	beta-BHC	0.053	U	0.000106	0.053
319-86-8	delta-BHC	0.053	U	0.000106	0.053
58-89-9	gamma-BHC (Lindane)	0.053	U	0.000106	0.053
5103-74-2	gamma-Chlordane	0.00246	J P	0.000106	0.053

UJ

FORM I ORG-1

5/1/09 MSK
ER4

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: 406789 Analytical Batch: 407568

CONCENTRATION UNITS: ug/L

Sample ID: SKGW261029

Contract:

SAS No.: SDG No.: 209021915

Lab Sample ID: 20902191513

Date Collected: 02/19/09 Time: 1135

Date Received: 02/20/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 2157

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: 2090306p/sv18a020

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: 406789 Analytical Batch: 407568

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW58-1029

Contract:

SAS No.: SDG No.: 209021915

Lab Sample ID: 20902191515

Date Collected: 02/20/09 Time: 1110

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 2215

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: 2090306p/sv18a021

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	0.00307	J P	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: 406789 Analytical Batch: 407568

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW63-1029

Contract:

SAS No.: SDG No.: 209021915

Lab Sample ID: 20902191516

Date Collected: 02/20/09 Time: 0945

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 2233

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: 2090306p/sv18a022

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: 406789 Analytical Batch: 407568

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW64-1029

Contract:

SAS No.: SDG No.: 209021915

Lab Sample ID: 20902191517

Date Collected: 02/20/09 Time: 1015

Date Received: 02/21/09

Date Extracted: 02/25/09

Date Analyzed: 03/06/09 Time: 2251

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: 2090306p/sv18a023

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

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FORM I ORG-1

5/1/09 MM

720

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: 406789 Analytical Batch: 407568

Sample ID: SK-FD-1029
Contract:
SAS No.: SDG No.: 209021915
Lab Sample ID: 20902191519
Date Collected: 02/20/09 Time: 0000
Date Received: 02/21/09
Date Extracted: 02/25/09
Date Analyzed: 03/06/09 Time: 2309
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: 2090306p/sv18a024

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: 406789 Analytical Batch: 407568
CONCENTRATION UNITS: ug/L

Sample ID: SK-MS-1029 (GW63)
Contract:
SAS No.: SDG No.: 209021915
Lab Sample ID: 20902191520
Date Collected: 02/20/09 Time: 0950
Date Received: 02/21/09
Date Extracted: 02/25/09
Date Analyzed: 03/06/09 Time: 2327
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: 2090306p/sv18a025

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.016	J	0.000101	0.101
72-55-9	4,4'-DDE	0.066	J	0.000101	0.101
50-29-3	4,4'-DDT	0.560	E	0.000101	0.101
309-00-2	Aldrin	0.280	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	0.440	E	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.500	E	0.000101	0.101
7421-93-4	Endrin aldehyde	0.101	U	0.000101	0.101
53494-70-5	Endrin ketone	0.025	J	0.000101	0.101
76-44-8	Heptachlor	0.300	E	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.260	E	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 406789 Analytical Batch: 407568

Sample ID: SK-MSD-1029 (GW63)
Contract:
SAS No.: SDG No.: 209021915
Lab Sample ID: 20902191521
Date Collected: 02/20/09 Time: 0955
Date Received: 02/21/09
Date Extracted: 02/25/09
Date Analyzed: 03/06/09 Time: 2345
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: 2090306p/sv18a026

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.016	J	0.000101	0.101
72-55-9	4,4'-DDE	0.062	J	0.000101	0.101
50-29-3	4,4'-DDT	0.550	E	0.000101	0.101
309-00-2	Aldrin	0.265	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	0.440	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	0.490	E	0.000101	0.101
7421-93-4	Endrin aldehyde	0.101	U	0.000101	0.101
53494-70-5	Endrin ketone	0.023	J	0.000101	0.101
76-44-8	Heptachlor	0.280	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)	0.253	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: 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: 406995 Analytical Batch: 407568
CONCENTRATION UNITS: ug/L

Sample ID: SKGW62A-1029
Contract:
SAS No.: SDG No.: 209021915
Lab Sample ID: 20902191531
Date Collected: 02/25/09 Time: 0950
Date Received: 02/26/09
Date Extracted: 03/02/09
Date Analyzed: 03/07/09 Time: 0114
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: 2090306p/sv18a031

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

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FORM I ORG-1

5/1/09 MEA
737

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: 406995 Analytical Batch: 407568

Sample ID: SKGW24-1029
Contract:
SAS No.: SDG No.: 209021915
Lab Sample ID: 20902191532
Date Collected: 02/25/09 Time: 1240
Date Received: 02/26/09
Date Extracted: 03/02/09
Date Analyzed: 03/07/09 Time: 0132
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: 2090306p/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

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FORM I ORG-1

5/1/09 MR

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SKGW59-1029
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 209021915
Sample wt/vol: 900 Units: mL
Lab Sample ID: 20902191533
Level: (low/med) LOW
Date Collected: 02/25/09 Time: 1305
% Moisture: decanted: (Y/N)
Date Received: 02/26/09
GC Column: ID: (mm)
Date Extracted: 03/02/09
Concentrated Extract Volume: 1000 (µL)
Date Analyzed: 03/07/09 Time: 0150
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: 406995 Analytical Batch: 407568
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L
Lab File ID: 2090306p/sv18a033

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.111	U	0.000111	0.111
72-55-9	4,4'-DDE	0.111	U	0.000111	0.111
50-29-3	4,4'-DDT	0.111	U	0.000111	0.111
309-00-2	Aldrin	0.056	U	0.000111	0.056
12674-11-2	Aroclor-1016	1.11	U	0.000111	1.11
11104-28-2	Aroclor-1221	2.22	U	0.000111	2.22
11141-16-5	Aroclor-1232	1.11	U	0.000111	1.11
53469-21-9	Aroclor-1242	1.11	U	0.000111	1.11
12672-29-6	Aroclor-1248	1.11	U	0.000111	1.11
11097-69-1	Aroclor-1254	1.11	U	0.000111	1.11
11096-82-5	Aroclor-1260	1.11	U	0.000111	1.11
60-57-1	Dieldrin	0.111	U	0.000111	0.111
959-98-8	Endosulfan I	0.056	U	0.000111	0.056
33213-65-9	Endosulfan II	0.111	U	0.000111	0.111
1031-07-8	Endosulfan sulfate	0.111	U	0.000111	0.111
72-20-8	Endrin	0.111	U	0.000111	0.111
7421-93-4	Endrin aldehyde	0.111	U	0.000111	0.111
53494-70-5	Endrin ketone	0.111	U	0.000111	0.111
76-44-8	Heptachlor	0.056	U	0.000111	0.056
1024-57-3	Heptachlor epoxide	0.056	U	0.000111	0.056
72-43-5	Methoxychlor	0.556	U	0.000111	0.556
8001-35-2	Toxaphene	5.56	U	0.000111	5.56
319-84-6	alpha-BHC	0.056	U	0.000111	0.056
5103-71-9	alpha-Chlordane	0.056	U	0.000111	0.056
319-85-7	beta-BHC	0.056	U	0.000111	0.056
319-86-8	delta-BHC	0.056	U	0.000111	0.056
58-89-9	gamma-BHC (Lindane)	0.056	U	0.000111	0.056
5103-74-2	gamma-Chlordane	0.056	U	0.000111	0.056

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FORM I ORG-1

5/1/09 MSW

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: 406995 Analytical Batch: 407568

CONCENTRATION UNITS: ug/L

Sample ID: SKGW61-1029
Contract:
SAS No.: SDG No.: 209021915
Lab Sample ID: 20902191534
Date Collected: 02/25/09 Time: 1030
Date Received: 02/26/09
Date Extracted: 03/02/09
Date Analyzed: 03/07/09 Time: 0208
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: 2090306p/sv18a034

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.103	U	0.000103	0.103
72-55-9	4,4'-DDE	0.103	U	0.000103	0.103
50-29-3	4,4'-DDT	0.103	U	0.000103	0.103
309-00-2	Aldrin	0.052	U	0.000103	0.052
12674-11-2	Aroclor-1016	1.03	U	0.000103	1.03
11104-28-2	Aroclor-1221	2.06	U	0.000103	2.06
11141-16-5	Aroclor-1232	1.03	U	0.000103	1.03
53469-21-9	Aroclor-1242	1.03	U	0.000103	1.03
12672-29-6	Aroclor-1248	1.03	U	0.000103	1.03
11097-69-1	Aroclor-1254	1.03	U	0.000103	1.03
11096-82-5	Aroclor-1260	1.03	U	0.000103	1.03
60-57-1	Dieldrin	0.103	U	0.000103	0.103
959-98-8	Endosulfan I	0.052	U	0.000103	0.052
33213-65-9	Endosulfan II	0.103	U	0.000103	0.103
1031-07-8	Endosulfan sulfate	0.103	U	0.000103	0.103
72-20-8	Endrin	0.103	U	0.000103	0.103
7421-93-4	Endrin aldehyde	0.103	U	0.000103	0.103
53494-70-5	Endrin ketone	0.103	U	0.000103	0.103
76-44-8	Heptachlor	0.052	U	0.000103	0.052
1024-57-3	Heptachlor epoxide	0.052	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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FORM I ORG-1

5/1/09 MSL

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

EARTH TECH: PROJECT NUMBER 105069

LABORATORY REPORT NUMBER 209021967

PROJECT MANAGER: Ron Roelker

Date: April 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 209021967 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in February 2009 was conducted by AECOM using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 209021967.

GCAL #	Sample Description
20902196701	SK-SW50-1029
20902196702	SK-MS-1029 (SW50)
20902196704	SK-DUP-1029 (SW50)
20902196705	SK-SW52-1029
20902196706	SK-SW51-1029
20902196708	SK-FD-1025
20902196710	SK-SW50-1029 (DISS)
20902196711	SK-MS-1029 (SW50) (DISS)
20902196713	SK-DUP-1029 (SW50) (DISS)
20902196714	SK-SW52-1029 (DISS)
20902196715	SK-SW51-1029 (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) with the exception of Lead associated with CCB5 analyzed on 3/11/09.

The Lead results less than or equal to the CRDL were qualified with "UJ" and the concentration of the analyte was reported at 3 ppb. Lead results greater than the CRDL but less than five times the CRDL were qualified with "J". Results greater than five times the CRDL were not qualified.

4. ICP INTERFERENCE CHECK SAMPLE

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

5. LABORATORY CONTROL SAMPLES

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

6. DUPLICATE ANALYSIS

The laboratory used sample SK-SW50-1029 (total and dissolved fractions) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-SW50-1029 (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 Mercury (138%), Selenium (42%), and Thallium (59%) associated with the total fraction and Mercury (136%), Selenium (132%), and Thallium (60%) associated with the dissolved fraction. As per the National Functional Guidelines, if the percent recovery is greater than 30% but less than 74% then qualify detected results for that analyte with "J" and non-detected results are qualified with "UJ". If the percent recovery is greater than the upper acceptance limit 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.

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

It should be noted that GCAL qualified the Iron results reported with an "E" qualifier indicating that the percent difference between the sample and its serial dilution was greater than 10%. The result for Iron associated with the ICP serial dilution was less than 50 times the IDL and therefore should not have been used in the calculation. The data validator contacted GCAL and they provided revised Form 1's, IX's, and the case narrative. Pages 1061-1064 were revised by the GCAL to reflect the reporting of the ICB and CCB correctly.

11. OVERALL ASSESSMENT

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 3/11/09 were 74%, 65%, and 74%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 3/11/09 were 117%, 76%, and 71%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 3/11/09 were 89%, 72%, and 67%.

As per the National Functional Guidelines, if the CRDL percent recovery is above 120% then detected results are qualified as estimated with "J". If the CRDL percent recovery is less than 80% then detected results are qualified "J" and non-detected results are qualified with "UJ".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 209021967 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 February 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 209021967.

GCAL #	Sample Description
20902196701	SK-SW50-1029
20902196702	SK-MS-1029 (SW50)
20902196703	SK-MSD-1029 (SW50)
20902196705	SK-SW52-1029
20902196706	SK-SW51-1029
20902196708	SK-FD-1025

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

3. CALIBRATION

A. Initial Calibration

One IC dated 3/2/09 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 with the exception of 2,4-Dinitrophenol (34.9%) and Pentachlorophenol (32.1%). As per the National Functional Guidelines; if the %RSD is greater than 30.0 percent and the RRF is greater than 0.05, qualify positive results with "J", and non-detected semivolatile target compounds using professional judgment. The data validator qualified the detected results for 2,4-Dinitrophenol and Pentachlorophenol as estimated with a "J".

B. Continuing Calibration

One CC dated 3/2/09 was analyzed in support of the semivolatile sample analyses reported in the data submissions. The RRFs for the CC was within the acceptance criteria specified in the method for all target compounds. The percent difference (%D) between the average RRFs and the CC Response Factors were within the acceptance criteria (<25%).

4. BLANKS

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

<u>Method Blank (MB697390)</u>

Bis-(2-Ethylhexyl)phthalate (0.9 ppb) and Diethylphthalate (2.0 ppb) were detected in the method blank extracted on 2/20/09.

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-SW50-1029 was submitted for MS/MSD analysis. The MS/MSD percent recoveries are within the acceptance criteria with the exception of 4-nitrophenol (91/92%) and Pentachlorophenol (141/137%) recoveries associated with the MS/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 results alone.

7. INTERNAL STANDARDS PERFORMANCE

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

8. COMPOUND IDENTIFICATION

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

9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

10. SYSTEM PERFORMANCE

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

11. DOCUMENTATION

The "Start Cal Date" on pages 228 -234 was incorrectly reported as 27 DEC 2007 08:41. The data validator manually corrected the date to read 02 MAR 2009 10:00.

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

The Bis-(2-Ethylhexyl)phthalate and Diethylphthalate detected in the samples were mitigated by the presence of Bis-(2-Ethylhexyl)phthalate and Diethylphthalate in the associated method blank. The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 209021967 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 February 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 209021967.

GCAL #	Sample Description
20902196701	SK-SW50-1029
20902196702	SK-MS-1029 (SW50)
20902196703	SK-MSD-1029 (SW50)
20902196705	SK-SW52-1029
20902196706	SK-SW51-1029
20902196707	SK-TB-1029
20902196708	SK-FD-1025
20902196709	VHBLK

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to 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. Three bromofluorobenzene (BFB) tunes were run on MSV0 on 2/23/09 and 2/25/09. The BFB tune criteria are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 2/23/09 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 IC's 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

Three CCs dated 2/23/09 and 2/25/09 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 for the CCs dated 2/23/09 and 2/25/09 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 a trip blank were analyzed with this SDG. The results are summarized below.

MB698237

There were no target compounds detected in method blank MB698237 analyzed on 2/23/09 (1307).

MB698658

There were no target compounds detected in method blank MB698658 analyzed on 2/25/09 (1127).
Storage Blank (VHBLK)

Chloroform (0.46 ppb) was detected in method blank Storage Blank analyzed on 2/25/09 (1427).

Trip Blank (SK-TB-1029)

There were no target compounds detected in the Trip Blank received on 2/20/09.

5. SYSTEM MONITORING COMPOUND RECOVERY

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

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SW50-1029 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

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

8. INTERNAL STANDARDS PERFORMANCE

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

9. COMPOUND IDENTIFICATION

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

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

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

12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 209021967 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 February 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 209021967.

GCAL #	Sample Description
20902196701	SK-SW50-1029
20902196702	SK-MS-1029 (SW50)
20902196703	SK-MSD-1029 (SW50)
20902196705	SK-SW52-1029
20902196706	SK-SW51-1029
20902196708	SK-FD-1025

INTRODUCTION

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

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.
During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

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

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

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

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

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

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

1. HOLDING TIMES

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

2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits. The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check. The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM).

The percent breakdown for both 4,4'-DDT and endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and endrin in each PEM was less than 30.0% for both GC columns.

3. INITIAL CALIBRATION

Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20% with the exception of Endosulfan II (28.2%) associated with column RTX-35MS. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks. As per the National Functional Guidelines: up to two single component target pesticides (other than the surrogates) per column may exceed the 20.0 percent limit but the %RSD must be less than or equal to 30.0 percent.

4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent for the calibration verifications with the exception of 4,4'-DDT (30%) associated with PEM03. As per the National Functional Guidelines; if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all associated positive quantitative results with "J" and the sample quantitation limits for non-detects with "UJ".

5. BLANKS

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

Method Blank MB697510

No constituents were reported by GCAL for the method blank extracted on 2/25/09.

6. SURROGATE SPIKES

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

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SW50-1029 was submitted for MS/MSD analysis. All of the percent recoveries associated with the MS/MSD were within the acceptance criteria with the exception of dieldrin (45%,45%), endrin (50%,50%) %) in the MS/MSD and gamma-BHC (51%,50%) in the MS.

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 percent difference between the result from the primary column and conformational column exceeded the acceptance of ≤20% for Heptachlor Epoxide associated with samples SK-SW50-1029. As per the CLP SOW OLM04.2 if the percent difference between the result from the primary column and conformational column exceeded the acceptance of < 20% qualify the associated result with "P". GCAL did not qualify the sample results therefore that data validator manually made the correction.

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 03/26/2009

GCAL Report 209021967

RESUBMITTED

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

Customer Earth Tech

Project Skinner Landfill 1st Quarter

CASE NARRATIVE

Client: Earth Tech **Report:** 209021967

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

Selected pages of this report were resubmitted on 05/01/09. Pages 549-559 were revised with the E flag removed for Iron. Pages 567-568 were revised with the correct concentrations for all CCBs and method blanks. Page 578 was revised to exclude the % difference and E flag for Iron. Page 580 was revised to include the wavelength for Mercury. Page 585 (Form 12) was revised with the concentrations in ug/L rather than mg/L.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 - CLP Semi-Volatiles analysis, sample 20902196705 (SK-SW52-1029) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument.

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 406610, bis(2-ethylhexyl)phthalate and Diethylphthalate were detected at low levels in the blank. This is due to probable laboratory contamination. The MS/MSD exhibited recovery failures due to matrix interference.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the CLP Pesticide analysis for prep batch 406630, the MS and MSD exhibited some recoveries that were outside the QC limits in both the MS and MSD.

In the CLP Pesticide analysis for work order 209021967, on the confirmation column, DDT was high in the closing PEM samples, however this compound was not being confirmed for and there were no positive hits for this compound in any of the associated samples so the data was not affected.

METALS

In the ILM04.1 - CLP Metals analysis for prep batch 406971, the MS and/or MSD recoveries were outside the control limits for Selenium and Thallium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with recoveries of 70% for Selenium and 54% for Thallium. The MS and/or MSD recovery was outside the control limits for Selenium and Thallium. The LCS recovery was within the control limits. This indicates the analysis is in control and the

sample is affected by matrix interference. Iron is flagged as estimated on the serial dilution form due to the fact that the percent difference between original sample result and the serial dilution result for the batch QC sample is greater than 10. A chemical or physical interference is suspected.

In the ILM04.1 CLP HG analysis for prep batch 406972, the MS and/or MSD recovery was outside the control limits for Mercury. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference.

In the ILM04.1 CLP Cyanide analysis for prep batch 406831, the Sample/Duplicate RPD for Total Cyanide is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

Dissolved Barium, Dissolved Calcium, Dissolved Magnesium, Dissolved Potassium and Dissolved Sodium were greater than Total Barium, Total Calcium, Total Magnesium, Total Potassium and Total Sodium in sample 20902196705 (SK-SW52-1029). This is attributed to separate aliquots of sample.

Laboratory Endorsement

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

Common Abbreviations Utilized in this Report

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

Reporting Flags Utilized in this Report

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

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

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

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

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 209021967

THIS REPORT CONTAINS 654 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20902196701	SK-SW50-1029	Water	02/19/2009 13:40	02/20/2009 09:45
20902196702	SK-MS-1029 (SW50)	Water	02/19/2009 13:45	02/20/2009 09:45
20902196703	SK-MSD-1029 (SW50)	Water	02/19/2009 13:50	02/20/2009 09:45
20902196704	SK-DUP-1029 (SW50)	Water	02/19/2009 13:40	02/20/2009 09:45
20902196705	SK-SW52-1029	Water	02/19/2009 15:10	02/20/2009 09:45
20902196706	SK-SW51-1029	Water	02/19/2009 14:35	02/20/2009 09:45
20902196707	SK-TB-1029	Water		02/20/2009 09:45
20902196708	SK-FD-1029	Water	02/19/2009 00:00	02/20/2009 09:45
20902196709	VHBLK	Water		02/20/2009 09:45
20902196710	SK-SW50-1029 (DISS)	Water	02/19/2009 13:40	02/20/2009 09:45
20902196711	SK-MS-1029 (SW50) (DISS)	Water	02/19/2009 13:45	02/20/2009 09:45
20902196713	SK-DUP-1029 (SW50) (DISS)	Water	02/19/2009 13:40	02/20/2009 09:45
20902196714	SK-SW52-1029 (DISS)	Water	02/19/2009 15:10	02/20/2009 09:45
20902196715	SK-SW51-1029 (DISS)	Water	02/19/2009 14:35	02/20/2009 09:45

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW50-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196701

Level: (low/med) Lab File ID: 2090224/y8303

% Moisture: not dec. Date Collected: 02/19/09 Time: 1340

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/25/09 Time: 1214

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406818

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-SW50-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196701

Level: (low/med) Lab File ID: 2090224/y8303

% Moisture: not dec. Date Collected: 02/19/09 Time: 1340

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/25/09 Time: 1214

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406818

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-SW50-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: Water Lab Sample ID: 20902196701

Sample wt/vol: Units: Lab File ID: 2090224/y8303T

Level: (low/med) Date Collected: 02/19/09 Time: 1340

% Moisture: not dec. Date Received: 02/20/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/25/09 Time: 1214

Instrument ID: MSV0 Dilution Factor: 1 Analyst: JCK

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-MS-1029 (SW50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196702

Level: (low/med) Lab File ID: 2090224/y8305ms

% Moisture: not dec. Date Collected: 02/19/09 Time: 1345

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/25/09 Time: 1317

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406818

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.2		0.010	1.0
106-93-4	1,2-Dibromoethane	5.2		0.010	1.0
107-06-2	1,2-Dichloroethane	5.3		0.010	1.0
78-87-5	1,2-Dichloropropane	5.1		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.7		0.010	1.0
71-43-2	Benzene	5.1		0.010	1.0
75-25-2	Bromoform	5.8		0.010	1.0
56-23-5	Carbon tetrachloride	4.7		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.0		0.010	1.0
127-18-4	Tetrachloroethene	4.9		0.010	1.0
79-01-6	Trichloroethene	4.7		0.010	1.0
75-01-4	Vinyl chloride	4.9		0.010	1.0

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MSD-1029 (SW50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil/water) Water

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

Lab Sample ID: 20902196703

Level: (low/med)

Lab File ID: 2090224/y8306msd

% Moisture: not dec.

Date Collected: 02/19/09 Time: 1350

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

Date Received: 02/20/09

Instrument ID: MSV0

Date Analyzed: 02/25/09 Time: 1340

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch:

Analytical Batch: 406818

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.8		0.010	1.0
106-93-4	1,2-Dibromoethane	5.6		0.010	1.0
107-06-2	1,2-Dichloroethane	5.0		0.010	1.0
78-87-5	1,2-Dichloropropane	5.6		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.6		0.010	1.0
71-43-2	Benzene	5.5		0.010	1.0
75-25-2	Bromoform	5.6		0.010	1.0
56-23-5	Carbon tetrachloride	5.1		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.4		0.010	1.0
127-18-4	Tetrachloroethene	5.3		0.010	1.0
79-01-6	Trichloroethene	5.2		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-SW52-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196705

Level: (low/med) Lab File ID: 2090223/y8289

% Moisture: not dec. Date Collected: 02/19/09 Time: 1510

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1739

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196705

Level: (low/med) Lab File ID: 2090223/y8289

% Moisture: not dec. Date Collected: 02/19/09 Time: 1510

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1739

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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-SW52-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: Water Lab Sample ID: 20902196705

Sample wt/vol: Units: Lab File ID: 2090223/y8289T

Level: (low/med) Date Collected: 02/19/09 Time: 1510

% Moisture: not dec. Date Received: 02/20/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1739

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: *0*

CONCENTRATION UNITS: *ug/L*

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix (soil/water) Water

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

Lab Sample ID: 20902196706

Level: (low/med)

Lab File ID: 2090223/y8290

% Moisture: not dec.

Date Collected: 02/19/09 Time: 1435

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

Date Received: 02/20/09

Instrument ID: MSV0

Date Analyzed: 02/23/09 Time: 1803

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 406734

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-SW51-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196706

Level: (low/med) Lab File ID: 2090223/y8290

% Moisture: not dec. Date Collected: 02/19/09 Time: 1435

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1803

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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-SW51-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: Water Lab Sample ID: 20902196706

Sample wt/vol: Units: Lab File ID: 2090223/y8290T

Level: (low/med) Date Collected: 02/19/09 Time: 1435

% Moisture: not dec. Date Received: 02/20/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1803

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196707

Level: (low/med) Lab File ID: 2090223/y8291

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1826

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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

5/1/09 MCA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196707

Level: (low/med) Lab File ID: 2090223/y8291

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1826

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: Water Lab Sample ID: 20902196707

Sample wt/vol: Units: Lab File ID: 2090223/y8291T

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

% Moisture: not dec. Date Received: 02/20/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1826

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix (soil/water) Water

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

Lab Sample ID: 20902196708

Level: (low/med)

Lab File ID: 2090223/y8292

% Moisture: not dec.

Date Collected: 02/19/09 Time: 0000

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

Date Received: 02/20/09

Instrument ID: MSV0

Date Analyzed: 02/23/09 Time: 1849

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ADI

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 406734

CONCENTRATION UNITS: ug/L

Analytical Method: OLCO 2.1

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

FORM I VOA

5/11/09 MSR

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196708

Level: (low/med) Lab File ID: 2090223/y8292

% Moisture: not dec. Date Collected: 02/19/09 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/23/09 Time: 1849

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406734

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-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: Water Lab Sample ID: 20902196708

Sample wt/vol: Units: Lab File ID: 2090223/y8292T

Level: (low/med) Date Collected: 02/19/09 Time: 0000

% Moisture: not dec. Date Received: 02/20/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/23/09 Time: 1849

Instrument ID: MSV0 Dilution Factor: 1 Analyst: ADI

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196709

Level: (low/med) Lab File ID: 2090224/y8308

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/25/09 Time: 1427

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406818

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	0.46	J	0.010	1.0	
74-87-3	Chloromethane	1.0	U	0.010	1.0	
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0	
100-41-4	Ethylbenzene	1.0	U	0.010	1.0	

FORM I VOA

5/1/09 pxa

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20902196709

Level: (low/med) Lab File ID: 2090224/y8308

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm) Date Received: 02/20/09

Instrument ID: MSV0 Date Analyzed: 02/25/09 Time: 1427

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 406818

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: Water Lab Sample ID: 20902196709

Sample wt/vol: Units: Lab File ID: 2090224/y8308T

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

% Moisture: not dec. Date Received: 02/20/09

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 02/25/09 Time: 1427

Instrument ID: MSV0 Dilution Factor: 1 Analyst: JCK

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-SW50-1029

Contract:

Lab File ID: 2090302p/d3433

Lab Sample ID: 20902196701

Date Collected: 02/19/09 Time: 1340

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1349

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021967

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-SW50-1029

Contract:

Lab File ID: 2090302p/d3433

Lab Sample ID: 20902196701

Date Collected: 02/19/09 Time: 1340

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1349

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	~~10~~ 2	JB	0.01	10	LL
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~~ 2	~~JB~~	0.01	10	LL
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

5/1/09 MRL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-SW50-1029

Contract:

Lab File ID: 2090302p/d3433

Lab Sample ID: 20902196701

Date Collected: 02/19/09 Time: 1340

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1349

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021967

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-SW50-1029

Contract:

Lab File ID: 2090302p/d3433

Lab Sample ID: 20902196701

Date Collected: 02/19/09 Time: 1340

Date Received: 02/20/09

Date Extracted: 2/20/09

Date Analyzed: 03/02/09 Time: 1349

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM 4.2 SW5B

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.	674-76-0	2-Pentene, 4-methyl-, (E)-	.751	4.89	
2.	2233-00-3	1-Propene, 3,3,3-trichloro-	1.248	1.07	
3.	149-57-5	Hexanoic acid, 2-ethyl-	1.997	11	
4.		Unknown	2.42	.95	
5.	1551-32-2	Thiophene, 2-ethyltetrahydro-	2.511	1.75	
6.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.8	.6	
7.	57-10-3	Hexadecanoic acid	4.538	1.38	
8.	10544-50-0	Sulfur, mol. (S8)	4.768	22.3	
9.	57-11-4	Octadecanoic acid	5.009	1.34	

5/1/09 MGR

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-SW52-1029

Contract:

Lab File ID: 2090302p/d3436

Lab Sample ID: 20902196705

Date Collected: 02/19/09 Time: 1510

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1436

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021967

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-SW52-1029

Contract:

Lab File ID: 2090302p/d3436

Lab Sample ID: 20902196705

Date Collected: 02/19/09 Time: 1510

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1436

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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 ~~2~~	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	
86-30-6	N-Nitrosodiphenylamine	10	U	0.01	10	

FORM I SV-1

5/6/09 MR

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-SW52-1029

Contract:

Lab File ID: 2090302p/d3436

Lab Sample ID: 20902196705

Date Collected: 02/19/09 Time: 1510

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1436

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
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.: 209021967

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-SW52-1029

Contract:

Lab File ID: 2090302p/d3436

Lab Sample ID: 20902196705

Date Collected: 02/19/09 Time: 1510

Date Received: 02/20/09

Date Extracted: 2/25/09

Date Analyzed: 03/02/09 Time: 1436

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM 4.2 SVOA

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.	674-76-0	2-Pentene, 4-methyl-, (E)-	.751	4.08	
2.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.805	.535	
3.	57-10-3	Hexadecanoic acid	4.538	1.18	
4.	10544-50-0	Sulfur, mol. (S8)	4.768	30.5	
5.		Unknown	5.009	.695	
6.		Unknown	5.501	.712	
7.		Unknown phthalate	5.693	3.64	
8.		Unknown	6.201	.67	
9.	28553-12-0	1,2-Benzenedicarboxylic acid,	6.308	.695	

5/1/09 pm

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-SW52-1029

Contract:

Lab File ID: 2090302p/d3439

Lab Sample ID: 20902196705

Date Collected: 02/19/09 Time: 1510

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1615

Dilution Factor: 10 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	770	B	0.1	100

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-SW51-1029

Contract:

Lab File ID: 2090302p/d3437

Lab Sample ID: 20902196706

Date Collected: 02/19/09 Time: 1435

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1452

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-SW51-1029

Contract:

Lab File ID: 2090302p/d3437

Lab Sample ID: 20902196706

Date Collected: 02/19/09 Time: 1435

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1452

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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 2	~~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	26	U	0.01	26	
98-95-3	Nitrobenzene	10	U	0.01	10	
100-02-7	4-Nitrophenol	26	U	0.01	26	
87-86-5	Pentachlorophenol	26	U	0.01	26	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

FORM I SV-1

5/1/09 MK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-SW51-1029

Contract:

Lab File ID: 2090302p/d3437

Lab Sample ID: 20902196706

Date Collected: 02/19/09 Time: 1435

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1452

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021967
Matrix: Water
Sample wt/vol: 970 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-SW51-1029
Contract:
Lab File ID: 2090302p/d3437
Lab Sample ID: 20902196706
Date Collected: 02/19/09 Time: 1435
Date Received: 02/20/09
Date Extracted: 2/20/09
Date Analyzed: 03/02/09 Time: 1452
Dilution Factor: 1 Analyst: KCB
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	.751	2.08	
2.	149-57-5	Hexanoic acid, 2-ethyl-	2.019	28.5	
3.		Unknown	2.388	2.2	
4.		Unknown	2.431	3.39	
5.	816-19-3	Hexanoic acid, 2-ethyl-, methy	2.457	1.77	
6.		Unknown	2.522	4.06	
7.		Unknown	2.543	2.53	
8.	10544-50-0	Sulfur, mol. (S8)	4.768	24.5	

5/1/09
pm

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-FD-1029

Contract:

Lab File ID: 2090302p/d3438

Lab Sample ID: 20902196708

Date Collected: 02/19/09 Time: 0000

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1507

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-FD-1029

Contract:

Lab File ID: 2090302p/d3438

Lab Sample ID: 20902196708

Date Collected: 02/19/09 Time: 0000

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1507

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
117-81-7	bis(2-ethylhexyl)phthalate	10 ~~2~~	JB	0.01	10	ul
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10	
85-68-7	Butylbenzylphthalate	10	U	0.01	10	
86-74-8	Carbazole	10	U	0.01	10	
218-01-9	Chrysene	10	U	0.01	10	
84-74-2	Di-n-butylphthalate	10	U	0.01	10	
117-84-0	Di-n-octylphthalate	10	U	0.01	10	
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10	
132-64-9	Dibenzofuran	10	U	0.01	10	
84-66-2	Diethylphthalate	10.~~4~~	JB	0.01	10	ul
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	26	U	0.01	26	
87-86-5	Pentachlorophenol	26	U	0.01	26	
85-01-8	Phenanthrene	10	U	0.01	10	
108-95-2	Phenol	10	U	0.01	10	
129-00-0	Pyrene	10	U	0.01	10	
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10	

FORM I SV-1

5/11/09 MSL

299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209021967

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-FD-1029

Contract:

Lab File ID: 2090302p/d3438

Lab Sample ID: 20902196708

Date Collected: 02/19/09 Time: 0000

Date Received: 02/20/09

Date Extracted: 02/20/09

Date Analyzed: 03/02/09 Time: 1507

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 406610 Analytical Batch: 407045

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.: 209021967

Matrix: Water

Sample wt/vol: 970 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-1029

Contract:

Lab File ID: 2090302p/d3438

Lab Sample ID: 20902196708

Date Collected: 02/19/09 Time: 0000

Date Received: 02/20/09

Date Extracted: 2/20/09

Date Analyzed: 03/02/09 Time: 1507

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.	14617-88-0	2-Butenoic acid, 4-nitrophenyl	.756	5.23	
2.		Unknown	1.248	.767	
3.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.8	.62	
4.		Unknown	3.313	.438	
5.		Unknown	4.126	.641	
6.	57-10-3	Hexadecanoic acid	4.538	.896	
7.	10544-50-0	Sulfur, mol. (S8)	4.768	28.7	
8.	57-11-4	Octadecanoic acid	5.014	16.1	

5/1/09 mgr

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: 406630 Analytical Batch: 407568

Sample ID: SK-SW50-1029
Contract:
SAS No.: SDG No.: 209021967
Lab Sample ID: 20902196701
Date Collected: 02/19/09 Time: 1340
Date Received: 02/20/09
Date Extracted: 02/25/09
Date Analyzed: 03/07/09 Time: 0356
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: 2090306p/sv18a040

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	0.00261	J P	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	0.00320	J	0.000103	0.052

UJ

FORM I ORG-1

5/1/09 MA

001

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: 406630 Analytical Batch: 407568

CONCENTRATION UNITS: ug/L

Sample ID: SK-MS-1029 (SW50)

Contract:

SAS No.: SDG No.: 209021967

Lab Sample ID: 20902196702

Date Collected: 02/19/09 Time: 1345

Date Received: 02/20/09

Date Extracted: 02/25/09

Date Analyzed: 03/07/09 Time: 0449

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: 2090306p/sv18a043

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.019	J	0.000103	0.103
72-55-9	4,4'-DDE	0.070	J	0.000103	0.103
50-29-3	4,4'-DDT	0.590	E	0.000103	0.103
309-00-2	Aldrin	0.340	E	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	0.460	E	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	0.520	E	0.000103	0.103
7421-93-4	Endrin aldehyde	0.011	J	0.000103	0.103
53494-70-5	Endrin ketone	0.023	J	0.000103	0.103
76-44-8	Heptachlor	0.350	E	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)	0.272	E	0.000103	0.052
5103-74-2	gamma-Chlordane	0.052	U	0.000103	0.052

J

FORM I ORG-1

5/1/09 MKA

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 900 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: 406630 Analytical Batch: 407568

Sample ID: SK-MSD-1029 (SW50)
Contract:
SAS No.: SDG No.: 209021967
Lab Sample ID: 20902196703
Date Collected: 02/19/09 Time: 1350
Date Received: 02/20/09
Date Extracted: 02/25/09
Date Analyzed: 03/07/09 Time: 0507
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: 2090306p/sv18a044

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.025	J	0.000111	0.111
72-55-9	4,4'-DDE	0.080	JE	0.000111	0.111
50-29-3	4,4'-DDT	0.640	E	0.000111	0.111
309-00-2	Aldrin	0.400	E	0.000111	0.056
12674-11-2	Aroclor-1016	1.11	U	0.000111	1.11
11104-28-2	Aroclor-1221	2.22	U	0.000111	2.22
11141-16-5	Aroclor-1232	1.11	U	0.000111	1.11
53469-21-9	Aroclor-1242	1.11	U	0.000111	1.11
12672-29-6	Aroclor-1248	1.11	U	0.000111	1.11
11097-69-1	Aroclor-1254	1.11	U	0.000111	1.11
11096-82-5	Aroclor-1260	1.11	U	0.000111	1.11
60-57-1	Dieldrin	0.500	E	0.000111	0.111
959-98-8	Endosulfan I	0.056	U	0.000111	0.056
33213-65-9	Endosulfan II	0.111	U	0.000111	0.111
1031-07-8	Endosulfan sulfate	0.111	U	0.000111	0.111
72-20-8	Endrin	0.560	E	0.000111	0.111
7421-93-4	Endrin aldehyde	0.010	J	0.000111	0.111
53494-70-5	Endrin ketone	0.021	J	0.000111	0.111
76-44-8	Heptachlor	0.410	E	0.000111	0.056
1024-57-3	Heptachlor epoxide	0.056	U	0.000111	0.056
72-43-5	Methoxychlor	0.556	U	0.000111	0.556
8001-35-2	Toxaphene	5.56	U	0.000111	5.56
319-84-6	alpha-BHC	0.056	U	0.000111	0.056
5103-71-9	alpha-Chlordane	0.056	U	0.000111	0.056
319-85-7	beta-BHC	0.056	U	0.000111	0.056
319-86-8	delta-BHC	0.056	U	0.000111	0.056
58-89-9	gamma-BHC (Lindane)	0.315	E	0.000111	0.056
5103-74-2	gamma-Chlordane	0.056	U	0.000111	0.056

J

FORM I ORG-1

5/1/09 MSC

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: 406630 Analytical Batch: 407568

Sample ID: SK-SW52-1029
Contract:
SAS No.: SDG No.: 209021967
Lab Sample ID: 20902196705
Date Collected: 02/19/09 Time: 1510
Date Received: 02/20/09
Date Extracted: 02/25/09
Date Analyzed: 03/07/09 Time: 0525
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: 2090306p/sv18a045

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	0.00220	J	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	0.00319	J	0.000102	0.051

UJ

FORM I ORG-1

5/1/09 MSA

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: 406630 Analytical Batch: 407568

CONCENTRATION UNITS: ug/L

Sample ID: SK-SW51-1029

Contract:

SAS No.: SDG No.: 209021967

Lab Sample ID: 20902196706

Date Collected: 02/19/09 Time: 1435

Date Received: 02/20/09

Date Extracted: 02/25/09

Date Analyzed: 03/07/09 Time: 0543

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: 2090306p/sv18a046

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	0.00297	J	0.000102	0.051

US

FORM I ORG-1

5/1/09 MSW

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: 406630 Analytical Batch: 407568
CONCENTRATION UNITS: *ug/L*

Sample ID: SK-FD-1029
Contract:
SAS No.: SDG No.: 209021967
Lab Sample ID: 20902196708
Date Collected: 02/19/09 Time: 0000
Date Received: 02/20/09
Date Extracted: 02/25/09
Date Analyzed: 03/07/09 Time: 0601
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: 2090306p/sv18a047

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	0.00310	J	0.000103	0.052

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW50-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196701

Level: (low / med) Date Received: 02/20/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	173	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	47.2	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	98800			P	
7440-47-3	Chromium	2.1	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	6.7	B		P	
7439-89-6	Iron	253			P	
7439-92-1	Lead	1.6	U		P	UJ
7439-95-4	Magnesium	26100			P	
7439-96-5	Manganese	15.5			P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2470	B		P	
7782-49-2	Selenium	4.6	B	N	P	J
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	97400			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	0.7	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-MS-1029 (SW50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196702

Level: (low / med) Date Received: 02/20/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2220			P	
7440-36-0	Antimony	101			P	
7440-38-2	Arsenic	45.7			P	
7440-39-3	Barium	2060			P	
7440-41-7	Beryllium	51.9			P	
7440-43-9	Cadmium	46.6			P	
7440-70-2	Calcium	96400			P	
7440-47-3	Chromium	210			P	
7440-48-4	Cobalt	503			P	
7440-50-8	Copper	262			P	
7439-89-6	Iron	1290			P	
7439-92-1	Lead	16.3			P	J
7439-95-4	Magnesium	26100			P	
7439-96-5	Manganese	524			P	
7439-97-6	Mercury	6.9		N	AV	J
7440-02-0	Nickel	508			P	
7440-09-7	Potassium	2520	B		P	
7782-49-2	Selenium	8.8		N	P	J
7440-22-4	Silver	53.1			P	
7440-23-5	Sodium	96900			P	
7440-28-0	Thallium	29.3		N	P	J
7440-62-2	Vanadium	493			P	
7440-66-6	Zinc	508			P	
57-12-5	Cyanide	96.2			AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-DUP-1029 (SW50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196704

Level: (low / med) Date Received: 02/20/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	198	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	47.6	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	99200			P	
7440-47-3	Chromium	2.3	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	7.0	B		P	
7439-89-6	Iron	269			P	
7439-92-1	Lead	1.6	U		P	UJ
7439-95-4	Magnesium	26300			P	
7439-96-5	Manganese	15.6			P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2550	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	B		P	
7440-23-5	Sodium	100000			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	2.8	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW52-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196705

Level: (low / med) Date Received: 02/20/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	59.1	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	45.6	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	95400			P	
7440-47-3	Chromium	2.1	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.8	B		P	
7439-89-6	Iron	43.8	B		P	
7439-92-1	Lead	1.6	U		P	UJ
7439-95-4	Magnesium	25700			P	
7439-96-5	Manganese	4.2	B		P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2400	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	1.0	B		P	
7440-23-5	Sodium	98800			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	1.3	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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EPA SAMPLE NO.

SK-SW51-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196706

Level: (low / med) Date Received: 02/20/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	58.5	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	46.2	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	97000			P	
7440-47-3	Chromium	2.1	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.8	B		P	
7439-89-6	Iron	45.1	B		P	
7439-92-1	Lead	1.6	U		P	UJ
7439-95-4	Magnesium	25700			P	
7439-96-5	Manganese	3.9	B		P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2430	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	97400			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:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1029

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196708

Level: (low / med) Date Received: 02/20/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	69.1	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	45.7	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	96500			P	
7440-47-3	Chromium	2.2	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.3	B		P	
7439-89-6	Iron	45.6	B		P	
7439-92-1	Lead	1.6	U		P	UJ
7439-95-4	Magnesium	25700			P	
7439-96-5	Manganese	4.2	B		P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2450	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.8	B		P	
7440-23-5	Sodium	97200			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:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW50-1029 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196710

Level: (low / med) Date Received: 02/20/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	34.1	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	45.1	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	96600			P	
7440-47-3	Chromium	1.9	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	UJ
7439-95-4	Magnesium	25700			P	
7439-96-5	Manganese	0.7	B		P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2400	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.6	B		P	
7440-23-5	Sodium	97300			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:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-MS-1029 (SW50) (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196711

Level: (low / med) Date Received: 02/20/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2110			P	
7440-36-0	Antimony	99.4			P	
7440-38-2	Arsenic	46.7			P	
7440-39-3	Barium	2060			P	
7440-41-7	Beryllium	52.1			P	
7440-43-9	Cadmium	47.2			P	
7440-70-2	Calcium	93400			P	
7440-47-3	Chromium	210			P	
7440-48-4	Cobalt	504			P	
7440-50-8	Copper	262			P	
7439-89-6	Iron	1020			P	
7439-92-1	Lead	16.1			P	J
7439-95-4	Magnesium	25400			P	
7439-96-5	Manganese	519			P	
7439-97-6	Mercury	6.8		N	AV	J
7440-02-0	Nickel	510			P	
7440-09-7	Potassium	2430	B		P	
7782-49-2	Selenium	13.2		N	P	J
7440-22-4	Silver	53.3			P	
7440-23-5	Sodium	95000			P	
7440-28-0	Thallium	30.1		N	P	J
7440-62-2	Vanadium	494			P	
7440-66-6	Zinc	508			P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-DUP-1029 (SW50) (DIS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196713

Level: (low / med) Date Received: 02/20/09

% 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	45.2	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	97000			P	
7440-47-3	Chromium	1.9	B		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	UJ
7439-95-4	Magnesium	25700			P	
7439-96-5	Manganese	0.8	B		P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2440	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.6	B		P	
7440-23-5	Sodium	97300			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:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW52-1029 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196714

Level: (low / med) Date Received: 02/20/09

% 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	47.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	97900			P	
7440-47-3	Chromium	2.1	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	UJ
7439-95-4	Magnesium	26200			P	
7439-96-5	Manganese	2.6	B		P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2440	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.5	B		P	
7440-23-5	Sodium	101000			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:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW51-1029 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209021967

Matrix: (soil / water) Water Lab Sample ID: 20902196715

Level: (low / med) Date Received: 02/20/09

% 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	47.8	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	95000			P	
7440-47-3	Chromium	2.3	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	6.5	B		P	
7439-89-6	Iron	5.3	U		P	
7439-92-1	Lead	1.6	U		P	UJ
7439-95-4	Magnesium	25300			P	
7439-96-5	Manganese	2.3	B		P	
7439-97-6	Mercury	0.1	U	N	AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2380	B		P	
7782-49-2	Selenium	3.3	U	N	P	UJ
7440-22-4	Silver	0.9	B		P	
7440-23-5	Sodium	96700			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

5/4/09
MA

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
Earth Tech	4342	209021967	

Report to:
Client: AECOM
Address: 2373 Progress Dr. Hebron KY 41048
Contact: Ron Roelker
Phone: 859-442-2300
Fax: 859-442-2311

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

P.O. Number: 111005
Project Name/Number: Skinner Landfill - 1Q 2009
Sampled By: Michael J. Papp

Analytical Requests & Method

Lab use only:
Custody Seal used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 4.5°

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	SVOC	Pesticide	PCBs	Total Metals	Dissolved metals filtered	Cyanide	VOCs			D.S.S	Remarks:	Lab ID
W	2/19/09	1110		X	SK-GW62B-1029 X	various	4					X		X				Refer to table 7	
W		1340		X	SK-SW50-1029	various	10	X	X	X	X	X	X	X			10	of OSM LTP	1
W		1345		X	SK-~~SW~~ MS-1029(SW50)	various	10	X	X	X	X	X	X	X			11	for complete	2
W		1350		X	SK-MSD-1029(SW50)	various	10	X	X	X	X	X	X	X		12	13	list of analytes	3, 4
W		1425		X	SK-GW06R-1029 X	various	10	X	X	X	X	X	X	X					
W		1510		X	SK-SW52-1029	various	10	X	X	X	X	X	X	X			14		5
W		1435		X	SK-SW51-1029	various	10	X	X	X	X	X	X	X			15		6
W					SK-TB-1029	HCL	3							X					7
					SK-FD-1029														8 ~~VHBlk~~
	2/19/09	11:35			SKGW26 1029 X		10	X	X	X	X	X	X	X					9 - VHBlk

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Michael J. Papp	FEDEX		
Relinquished by: (Signature) FEDEX	Received by: (Signature)	Date: 2-20-09	Time: 0945
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: Dissolved metals field filtered
Trip blank provided by lab.

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services. * samples with a cup + nulls

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

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

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

GCAL-06 11/99