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REMEDIAL ACTION QUARTERLY MONITORING REPORT

FOURTH QUARTER – 2009 (26 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 fourth quarter of 2009, which is the 26th 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 is above the waste elevation at piezometers P-9R, P-10R, P-11R, and 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, iron and lead were detected above the CRQL and lead was detected above the trigger level for the second consecutive quarter as shown on Table 3.

During the 3rd and 4th quarters of 2009, dissolved lead elevations were detected at concentrations of 4.3 ug/L and 4.5 ug/L respectively at monitoring well GW-59 compared to a Site trigger level of 4.2 ug/l and an MCL for lead of 15 ug/L.

In accordance with section 1.3.2.5 of the O&M-LTP Plan, a response plan will be implemented after the second consecutive trigger level exceedance in the same monitoring well. The Skinner Landfill Site Group hereby proposes a response plan to include continued regular monitoring in accordance with the O&M-LTP Plan as revised by the Petition to Reduce Monitoring dated April 15, 2008 and conditionally approved by the USEPA on November 24, 2009.

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). Landfill cap surface water drainage samples (SWD samples) were not collected due to lack of flow.

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.

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. On October 19, 2009, AECOM personnel first observed activity associated with what appears to be a historical water well located just outside of the fenced landfill approximately 120 ft to the west-southwest of the Gravity Manhole depicted on the potentiometric surface map provided in Appendix A. Photographs were taken, 14 of which are provided in Appendix D. The activities depicted in photographs provided in Appendix D indicate that the historic production water well shown is likely being used to pump water to the Semi-permanent shelter shown in the photographs which is located near GW-30 across the Mill Creek from the fenced landfill. A municipal water supply is available to permanent residential structures in the vicinity. According to the Butler County, Ohio Auditor's website (www.butlercountyohio.org), parcel M5610023000055, which includes the subject water well and semi-permanent accommodations and inhabitants as well as the western portion of the fenced landfill, is zoned as Industrial Vacant Land. Groundwater use at this location is prohibited by Environmental Covenant (Deed Restriction) associated with the property. No other site activities of interest were observed.

FIGURES

FIGURES

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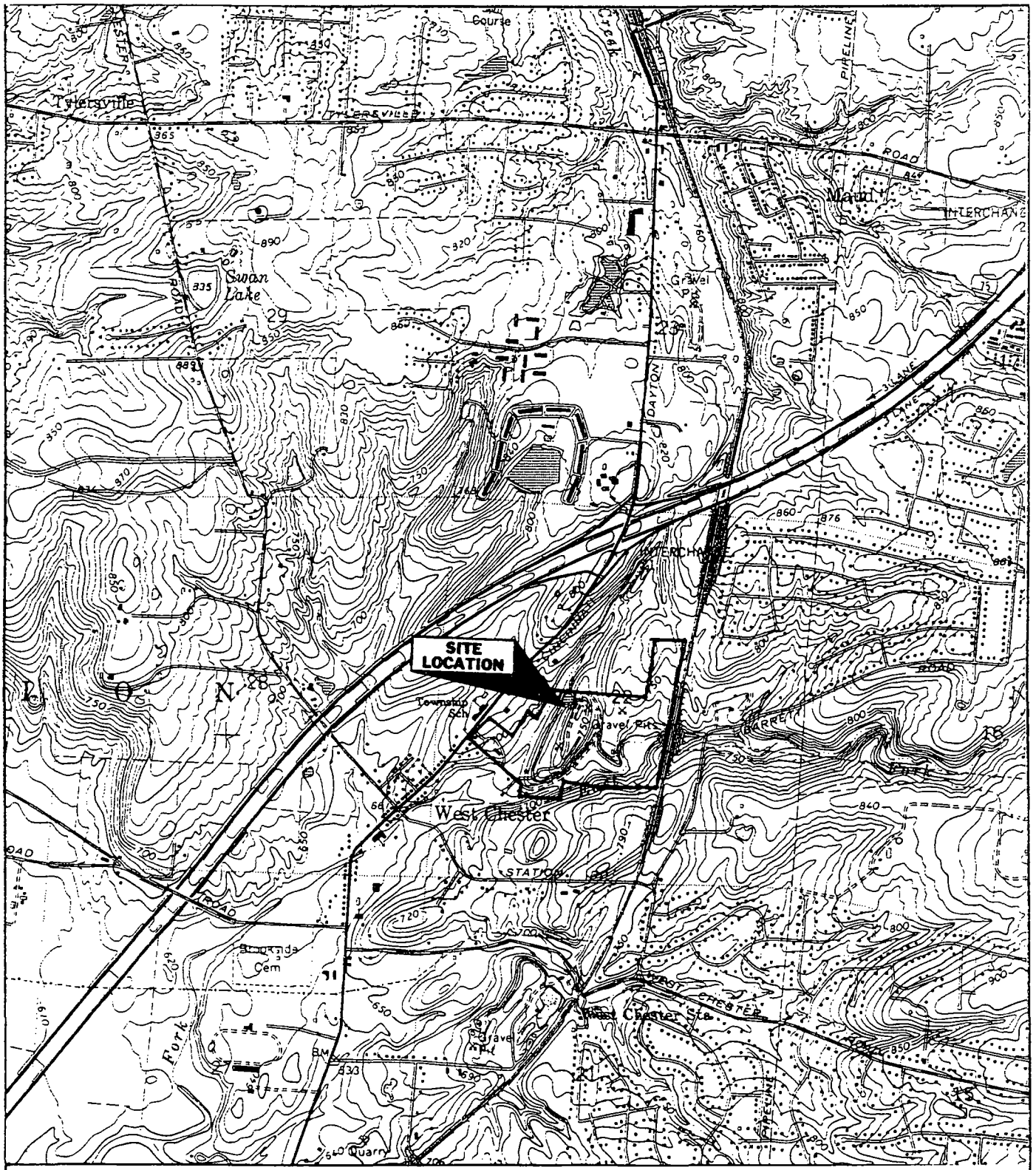

Base taken from USGS Glendale, Ohio
7.5' Topographic Quadrangle, photorevised 1987

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FEET

EARTH TECH

N

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)	November 30, 2009	
					Depth to Water (feet from top of casing)	Groundwater Elevation (MSL-feet)
Piezometers	P-1	G	685.42	687.65	11.11	676.54
	P-2	G	688.54	690.42	13.00	677.42
	P-3R	G	691.83	693.69	24.95	668.74
	P-4	G	700.32	702.63	6.99	695.64
	P-5	G	708.20	710.65	Dry	Dry
	P-6	G	707.45	710.59	11.61	698.98
	P-7	G	719.08	721.83	Dry	Dry
	P-8	G	747.70	749.91	10.61	739.30
	P-9R	G	760.12	763.58	18.92	744.66
	P-10R	G	761.87	765.84	27.95	737.89
	P-11R	G	760.39	763.38	24.15	739.23
	P-12R	G	750.11	753.60	33.59	720.01
Groundwater Monitoring Wells	GW-06R	S	683.89	685.91	9.75	676.16
	GW-07R	S	683.46	683.06	5.54	677.52
	GW-24	G	693.32	695.21	18.96	676.25
	GW-26	G	696.61	698.28	29.53	668.75
	GW-30	G	675.63	677.62	8.12	669.50
	GW-58	S	684.03	686.53	14.12	672.41
	GW-59	S	684.35	687.38	7.15	680.23
	GW-60	S	689.12	692.38	12.00	680.38
	GW-61	S	687.38	690.86	13.00	677.86
	GW-62A	S	690.19	692.38	27.34	665.04
	GW-62B	S	690.57	693.13	12.39	680.74
	GW-63	S	698.87	702.50	9.73	692.77
	GW-64	S	700.45	703.88	12.14	691.74
	GW-65	S	703.83	706.88	15.01	691.87
	GW-66	G	686.82	689.41	7.93	681.48
Gas Probes	GP-6	G	772.18	774.65	15.15	759.50
	GP-7	G	749.83	752.65	Dry	Dry

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

TABLE 2

Groundwater-Waste Monitoring Summary

Skinner Landfill
West Chester, Ohio

Piezometer ID		P-9R	P-10R	P-11R	P-12R	
Grade Elevation (feet)		760.12	761.87	760.39	750.11	
Bottom of Waste Elevation (MSL-feet)		**731.92**	**729.87**	**728.00**	**722.61**	
Depth to Bottom of Waste (feet)		28.20	32.00	32.39	27.50	Comments
Groundwater Elevation (ft):	22-Jan-07	747.70	739.52	734.04	721.24	**BASELINE**
	02-Mar-07	748.03	740.60	735.68	718.17	1st Q 2007
	11-Jun-07	746.34	751.34*	737.08	716.70	2nd Q 2007
	04-Sep-07	736.49	737.73	733.49	712.61	3rd Q 2007
	17-Dec-07	745.36	736.92	731.13	714.31	4th Q 2007
	10-Mar-08	747.61	739.04	733.71	717.42	1rst Q 2008
	02-Jun-08	748.06	740.44	739.15	719.10	2nd Q 2008
	16-Sep-08	743.09	738.64	735.98	714.85	3rd Q 2008
	01-Dec-08	736.46	737.52	733.38	712.40	4th Q 2008
	18-Feb-09	745.77	738.00	731.92	715.45	1rst Q 2009
	08-Jun-09	745.64	738.74	733.48	716.75	2nd Q 2009
	21-Sep-09	743.58	738.02	738.88	723.50	3rd Q 2009
	30-Nov-09	744.66	737.89	739.23	720.01	4th 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
Fourth Quarter 2009

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
GW-06R	—	—	**Lead**	—
GW-07R	—	—	*Lead*	—
GW-58	—	—	—	—
GW-59	—	—	**Lead**[1]	—
GW-60	—	—	*Lead, Iron*	—
GW-61	—	—	*Lead, Iron*	—
GW-62A	—	—	**Lead**	—
GW-62B	*	*	*	*
GW-63	—	—	*Iron*	—
GW-64	—	—	**Lead**, *Iron*	—
GW-65	*	*	**Lead**, *Iron*	—
GW-24 (Perimeter Well)	Not Sampled (Annual)			
GW-26 (Perimeter Well)	Not Sampled (Annual)			
GW-30 (Perimeter Well)	Not Sampled (Annual)			

Notes:

— : all parameters below report limits

italic : above Contract Required Quantitation Levels (CRQL's)

bold : above trigger level

* : Insufficient sample volume or location dry.

** : Dissolved metals for analytes that have a corresponding trigger level.

1 : Field duplicate was below trigger level and CRQL

TABLE 4

Surface Water Test Results Summary

Skinner Landfill
West Chester, Ohio
Fourth Quarter 2009

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

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

APPENDIX A

POTENTIONMETRIC SURFACE MAP

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APPENDIX A

SDMS US EPA Region V

Imagery Insert Form

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APPENDIX B

SUMMARY OF ANALYTICAL RESULTS

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APPENDIX B

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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)											
	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved)[14]												
Aluminum	15.4 U	15.4 U	15.4 U	15.3 U	15.3 U	15.3 U	26.9 U	26.9 U	60.7 B	75.8 B		200
Antimony	2.4 U	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U	60	60
Arsenic	4.0 U	2.4 U	2.4 U	2.5 U	2.5 UJ	2.7 B	3.6 U	3.6 U	3.6 UJ	3.6 UJ	20	10
Barium	**219** J	144 B	199 B	**211** J	168 B	195 B	146 B	199 B	198 B	188 B	1,000	200
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U	5	5
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.6 B	0.3 B	0.4 B	5	5
Calcium	166,000	214,000	199,000	180,000 J	229,000	164,000 J	223,000	215,000	208,000	210,000		5,000
Chromium	1.8 B	2.1 B	0.30 U	2.1 B	0.20 U	0.20 U	2.7 B	1.1 B	0.4 UJ	2.2 B	11	10
Cobalt	0.40 B	3.90 B	0.20 U	0.50 B	1.4 B	0.30 U	0.5 U	1.3 B	0.5 U	0.5 U		50
Copper	2.1 B	4.6 B	2.3 B	3.0 B	1.2 B	0.60 U	5.3 B	6.0 B	5.9 B	5.6 B	25	25
Iron	**358**	**139**	69.6 B	**586**	60.0 B	8.1 U	24.8 B	**361**	**291**	86.6 B	7,000	100
Lead	0.90 B	0.80 U	1.0 B	2.4 B	1.2 B	1.2 U	1.6 UJ	1.6 U	2.7 J	4.9	4.2	3
Magnesium	29,100	35,500	35,800	34,200 J	43,600 J	29,500 J	39,700	38,000	36,400	37,200		5,000
Manganese	262	364	6.5 B	132.0	451 J	226	19.0	64.9	41.1 J	22.2		15
Mercury	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.2
Nickel	0.60 B	2.2 B	0.40 U	0.40 U	0.40 B	0.40 U	0.4 U	1.1 B	0.8 B	0.4 U	96	40
Potassium	2,520 B	2,710 J	2,180 B	2,460 B	5,400	2,420 J	2,370 B	2,330 B	2,800	2,510 B		5,000
Selenium	3.9 UJ	3.9 R	3.9 U	3.1 U	3.1 UJ	3.1 UJ	4.3 J	3.3 U	3.3 U	3.3 U	8.5	5
Silver	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.3 B	0.5 U	0.5 U	0.5 U	10	10
Sodium	17,800	22,400	19,400	17,300 J	29,900 J	16,000 J	20,300	20,800	20,300	20,800		5,000
Thallium	2.9 B	1.7 U	4.7 B	1.8 U	1.9 B	1.8 U	1.5 R	2.1 J	1.5 UJ	1.5 UJ	40	10
Vanadium	7.6 B	11.0 J	1.0 U	10.4 B	12.0 B	3.2 B	1.0 U	4.1 B	1.0 U	7.5 B		50
Zinc	10.8 B	7.5 J	9.0 B	15.2 B	0.50 U	0.50 UJ	4.3 U	4.9 B	4.3 U	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	3,720 J	2,670	141 J	457	1,190	11,500 J	178 J	161 B	303 J	84.8 B		
Antimony	2.4 U	2.4 UJ	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	2.5 U	2.4 U	2.4 UJ	2.5 UJ	6.8 B	11.1	3.6 U	3.6 U	3.6 UJ	3.6 UJ		
Barium	283 J	183 B	195 B	214 J	251 J	313 J	144 J	197 B	202	205		
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.6 B	0.4 B	0.4 B		
Calcium	210,000	240,000	197,000	173,000 J	235,000 J	303,000 J	235,000	201,000	205,000	225,000		
Chromium	8.5 B	7.9 J	0.60 B	3.1 B	0.20 U	15.9	2.9 B	1.7 B	0.4 UJ	2.7 B		
Cobalt	3.7 B	5.0 B	0.30 B	0.90 B	3.0 B	11.5 B	0.5 U	0.9 B	0.5 U	0.5 U		
Copper	14.4 B	0.70 J	5.40 B	5.3 B	6.0 B	23.7 B	6.7 B	6.2 B	6.6 B	5.5 B		
Cyanide	3.5 B	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.2 U	0.2 U	1.6 U	1.6 U	10	10
Iron	9,420 J	8,000	523	2,090	4,050 J	25,500	465	412 J	954 J	266		
Lead	12.3	5.9 J	0.80 UJ	3.4	4.8	21.1	1.6 UJ	1.6 U	3.7 J	4.2 J		
Magnesium	48,200	50,100	35,600	34,300 J	475,000 J	88,000 J	41,500	36,500	36,100	39,900		
Manganese	482 J	410	19.3	106.0	535 J	748	21.7	40.1 J	44.6	27.7		
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 B		
Nickel	8.4 B	7.1 J	0.40 U	0.40 B	1.9 B	21.8 B	0.4 U	0.6 B	0.7 B	0.4 U		
Potassium	3,270 J	3,240 B	2,220 J	2480.0 B	3,010 J	4,840 J	2,390 J	2,130 B	2,800 J	2,750 B		
Selenium	3.9 R	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 U	3.3 R	3.3 U	3.3 U	3.3 U		
Silver	0.30 U	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.5 B	0.5 U	0.5 U	0.5 U		
Sodium	18,300 J	22,400	18,700	17,000 J	18,000 J	16,400 J	23,800	19,300	19,500	22,700		
Thallium	2.1 B	1.7 U	2.2 B	1.8 U	1.8 U	1.8 U	1.5 UJ	2.7 J	1.5 UJ	1.5 UJ		
Vanadium	20.4 B	17.1 J	1.0 U	12.4 B	14.5 B	31.7 B	1.0 U	4.7 B	1.0 U	7.7 B		
Zinc	40.8	25.6 J	11.5 J	20.7	4.8 B	67.7 J	4.3 U	4.3 U	4.3 U	4.3 U		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

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

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for GW-07R

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09		
Inorganics - Metals (Dissolved)[14]					Insufficient Volume						
Aluminum	15.4 U	16.4 B	15.3 U	15.3 U	—	26.9 U	26.9 U	29.1 B	143 B		**200**
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	—	4.8 U	4.8 U	4.8 U	4.8 U	60	**60**
Arsenic	2.4 U	2.9 B	2.5 U	2.5 U	—	3.6 U	3.6 U	3.6 UJ	3.6 UJ	20	**10**
Barium	62.8 B	93.2 B	88.0 J	59.3 B	—	41.8 B	54.6 B	47.0 B	67.2 B	1,000	**200**
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	—	2.3 U	2.3 U	2.3 U	2.3 U	5	**5**
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	—	0.2 U	0.2 U	0.2 U	0.2 U	5	**5**
Calcium	207,000	165,000	175,000 J	270,000	—	191,000	245,000	292,000	228,000		**5,000**
Chromium	1.9 B	0.3 U	2.0 B	0.2 U	—	2.5 B	0.4 U	0.4 UJ	2.7 B	11	**10**
Cobalt	1.8 B	0.2 U	0.3 U	1.9 B	—	0.7 B	4.0 B	4.4 B	0.5 U		**50**
Copper	4.1 B	1.8 B	3.6 B	0.6 U	—	4.9 B	5.5 B	6.6 B	5.8 B	25	**25**
Iron	**231**	8.5 U	8.1 U	**419**	—	**244**	**562**	**2210**	9.4 B	7,000	**100**
Lead	0.80 U	2.6 B	2.9 B	1.2 U	—	1.6 UJ	2.8 B	1.6 U	**3.6**	4.2	**3**
Magnesium	29,600	25,900	30,200 J	45,600 J	—	32,500	42,100	51,900	39,000		**5,000**
Manganese	271	164	0.3 B	2,780 J	—	251	2,340	3,170 J	236		**15**
Mercury	0.10 U	0.10 U	0.10 UJ	0.10 U	—	0.1 U	0.1 U	0.1 U	0.1 U	0.2	**0.2**
Nickel	1.0 B	0.40 U	0.4 U	0.90 B	—	0.4 U	3.1 B	3.8 B	0.9 B	96	**40**
Potassium	1,590 J	2,250 B	1,620 B	2,660 B	—	1,720 B	1,830 B	2,690 B	1,210 B		**5,000**
Selenium	3.9 R	3.9 U	3.1 U	3.1 U	—	3.3 UJ	3.3 UJ	3.3 U	3.3 U	8.5	**5**
Silver	0.30 U	0.30 U	0.4 U	0.50 B	—	1.4 B	0.5 U	0.5 U	0.5 U	10	**10**
Sodium	18,600	15,500	13,500 J	2,300 J	—	14,300	18,800	26,500	19,600		**5,000**
Thallium	1.7 U	6.5 B	1.8 U	1.8 U	—	1.5 R	1.5 U	1.5 UJ	1.5 UJ	40	**10**
Vanadium	9.3 J	1.0 U	9.8 B	12.8 B	—	1.0 U	7.6 B	1.0 U	8.7 B		**50**
Zinc	10.9 J	11.3 B	17.1 B	1.1 B	—	4.3 U	4.3 U	4.3 U	4.3 U	86	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	4,210	115 J	77.7 B	1,220	—	263 J	76.5 B	780 J	104 B		
Antimony	2.4 UJ	2.4 U	1.6 U	1.6 U	—	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	3.0 B	2.4 UJ	2.5 UJ	2.5 U	—	3.6 U	3.6 U	3.6 UJ	3.6 UJ		
Barium	178 B	104 B	95.0 J	115.0 J	—	57.9 J	56.7 B	74.6 B	70.3 B		
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	—	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 UJ	—	0.2 U	0.2 U	0.2 U	0.2 U		
Calcium	229,000	152,000	177,000 J	304,000 J	—	200,000	240,000	289,000	236,000		
Chromium	9.0 J	0.6 B	2.2 B	0.20 U	—	2.4 B	0.4 U	0.4 UJ	2.7 B		
Cobalt	6.2 B	0.2 U	0.3 U	2.9 B	—	0.6 B	3.6 B	5.5 B	0.5 U		
Copper	0.70 U	7.0 B	5.7 B	0.60 U	—	7.2 B	6.3 B	8.7 B	6.7 B		
Cyanide	0.60 U	0.60 U	0.6 U	2.7 B	—	0.2 U	0.2 U	1.6 U	5.3 B	10.0	**10.0**
Iron	8,420	273	151	4740.0 J	—	434	1,090 J	7,910 J	527		
Lead	7.0 J	0.80 U	3.3	3.1	—	1.6 UJ	2.8 B	3.4 J	5.0 J		
Magnesium	38,700	23,800	30,400 J	53,500 J	—	34,000	41,100	51,500	39,800		
Manganese	477	84.5	21.5	2,830 J	—	75.3	2280 J	3200	247		
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	—	0.1 U	0.1 U	0.1 U	0.1 U		
Nickel	8.7 J	0.40 U	0.40 U	4.3 B	—	0.4 U	2.8 B	4.5 B	0.5 B		
Potassium	2,550 B	3,040 J	1,890 B	3,190 J	—	1,740 J	1,770 B	2,730 J	1,290 B		
Selenium	3.9 UJ	3.9 U	3.1 U	3.1 UJ	—	3.3 R	3.3 U	3.3 U	3.3 U		
Silver	0.30 U	0.30 U	0.40 UJ	0.40 U	—	1.1 B	0.5 U	0.5 U	0.5 U		
Sodium	18,900	16,300	13,700 J	24,800 J	—	14,600	18,100	25,600	20,000		
Thallium	1.7 U	2.5 B	2.0 B	1.8 U	—	1.5 UJ	1.5 U	1.5 UJ	1.5 UJ		
Vanadium	17.6 J	1.0 U	11.6 B	13.8 B	—	1.0 U	9.0 B	1.0 U	8.4 B		
Zinc	32.5 J	21.3 J	18.9 B	4.2 B	—	4.3 U	4.3 U	4.3 U	10.6 B		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	—	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	—	BRL	BRL	BRL	BRL		

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)										
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved)[14]											
Aluminum	15.4 U	15.4 U	15.3 U	15.3 U	15.3 U	26.9 U	26.9 U	60.7 B	419		200
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U	60	60
Arsenic	2.4 U	2.4 U	2.5 U	2.5 UJ	5.6 B	3.6 U	3.6 U	3.6 UJ	3.6 UJ	20	10
Barium	125 B	117 B	129 J	114 B	122 B	113 B	121 B	116 B	113 B	1,000	200
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U	5	5
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.8 B	0.4 B	0.4 B	5	5
Calcium	109,000	97,800	107,000 J	107,000	105,000 J	101,000	101,000	101,000	100,000		5,000
Chromium	2.4 B	0.50 B	1.9 B	0.20 U	0.20 U	2.0 B	0.7 B	0.4 UJ	2.1 B	11	10
Cobalt	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.5 U	0.5 B	0.5 U	0.5 U		50
Copper	4.8 B	3.7 B	2.4 B	2.5 B	0.60 U	4.3 B	5.0 B	5.6 B	5.2 B	25	25
Iron	9.4 B	8.5 U	8.1 U	8.1 U	8.1 U	5.3 U	5.7 B	5.3 U	9.3 B	7,000	100
Lead	0.8 U	0.80 U	1.2 U	2.6 B	1.2 U	1.6 UJ	1.6 U	3.0 J	2.8 B	4.2	3
Magnesium	32,700	28,700	33,100 J	31,700 J	31,600 J	29,600	30,000	31,200	31,800		5,000
Manganese	9.5 B	0.30 U	4.4 B	5.3 J	34.8	0.5 U	0.5 U	25.1 J	26.2		15
Mercury	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.2
Nickel	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	0.4 U	0.4 U	0.4 U	96	40
Potassium	4,370 J	3,020 B	3,660 B	3,210 B	3,800 J	3,270 B	3,380 B	3,840 B	3,820 B		5,000
Selenium	3.9 R	3.9 U	3.1 U	3.1 UJ	3.1 UJ	3.3 U	3.3 U	3.3 U	3.3 U	8.5	5
Silver	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	0.5 U	0.5 U	0.5 U	0.5 U	10	10
Sodium	29,900	22,100	27,500 J	24,200 J	28,200 J	23,000	26,800	29,500	29,200		5,000
Thallium	1.7 U	5.6 B	1.8 U	2.1 B	1.8 U	1.5 R	4.5 J	1.5 UJ	1.5 UJ	40	10
Vanadium	9.3 J	1.0 U	9.8 B	9.6 B	3.2 B	1.0 U	4.1 B	1.0 U	6.3 B		50
Zinc	**36.7** J	9.3 B	9.2 B	0.50 U	0.50 UJ	4.3 U	14.6 B	4.3 U	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	37,200	2,230 J	475	1188 B	1,390 J	284 J	265	1,140 J	1,230		
Antimony	11.7 J	60.0 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	22.1	10.0 UJ	2.5 UJ	2.5 U	5.3 B	4.0 J	3.6 U	3.6 UJ	3.6 UJ		
Barium	528	148 B	120 J	133 J	135 J	122 J	133 B	122 B	124 B		
Beryllium	0.10 U	0.10 B	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	0.10 U	5.00 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	1.0 B	0.7 B	0.7 B		
Calcium	474,000	120,000	95,600 J	124,000 J	114,000 J	109,000	110,000	108,000	109,000		
Chromium	77.2 J	5.0 B	2.9 B	0.20 U	0.90 B	2.3 B	2.0 B	0.4 UJ	2.6 B		
Cobalt	40.3 B	1.9 B	0.30 U	0.30 U	0.30 U	0.5 U	0.5 B	0.5 U	0.5 U		
Copper	76.7 J	6.9 B	4.6 B	3.6 B	0.60 U	6.2 B	5.6 B	7.1 B	6.9 B		
Cyanide	0.60 U	10.0 U	0.60 U	1.3 B	0.90 B	0.2 U	0.2 U	1.6 U	1.6 U	10	10
Iron	104,000	5,710	1,260	859 J	2,890	769	615 J	1970 J	2750		
Lead	52.7 J	1.1 J	1.2 U	4.2	3.0 UJ	1.6 UJ	1.6 U	3.7 J	3.7		
Magnesium	112,000	34,000	30,000 J	35,100 J	33,000 J	31,500	32,100	31,800	32,000		
Manganese	3,240	147	45.4	30.2 J	92.0	24.2	16.1 J	56.7	78.9		
Mercury	0.10	0.20 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U		
Nickel	97.4 J	4.4 B	0.80 B	0.40 U	1.3 B	0.4 U	1.0 B	1.3 B	1.6 B		
Potassium	11,800	3,920 J	3,430 B	3,450 J	3,750 J	3,340 J	3,480 B	3,490 J	3,530 B		
Selenium	3.9 UJ	5.0 U	31.0 U	3.1 UJ	3.1 U	3.3 R	3.3 U	3.3 U	3.3 U		
Silver	0.30	10.0 U	0.40 UJ	0.40 U	0.40 U	0.5 B	0.5 U	0.5 U	0.5 U		
Sodium	31,700	22,700	25,200 J	27,000 J	23,800 J	23,400	27,900	25,000	24,300		
Thallium	1.7 U	5.2 B	1.8 U	1.8 U	1.8 U	1.5 UJ	6.4 J	1.5 UJ	1.5 UJ		
Vanadium	89.7 J	2.3 B	10.1 B	12.3 B	5.0 B	1.0 U	4.0 B	1.0 U	8.2 B		
Zinc	274.0 J	27.4 J	15.1 B	0.50 U	0.50 UJ	4.3 U	4.3 U	4.3 U	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-59

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09		
Inorganics - Metals (Dissolved)[14]											
Aluminum	15.4 U	808.0	15.3 U	15.3 U	15.3 U	29.9 B	26.9 U	61.7 B	121 B		**200**
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U	60	**60**
Arsenic	2.4 U	2.4 U	2.5 U	2.5 U	4.6 J	3.6 U	3.6 U	3.6 UJ	3.6 UJ	20	**10**
Barium	38.4 B	40.4 B	43.5 J	45.400 B	38.3 B	46.6 B	35.0 B	42.0 B	33.3 B	1,000	**200**
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U	5	**5**
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.2 U	0.2 U	0.2 U	5	**5**
Calcium	182,000	153,000	155,000 J	208,000 U	189,000 J	191,000	180,000	204,000	163,000		**5,000**
Chromium	3.0 B	0.50 B	1.8 B	0.20 U	0.20 U	3.3 B	0.4 U	0.4 UJ	2.8 B	11	**10**
Cobalt	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.5 U	0.5 U	0.5 U	0.5 U		**50**
Copper	5.5 B	4.2 B	2.9 B	3.3 B	0.60 U	5.4 B	5.9 B	6.9 B	4.9 B	25	**25**
Iron	16.6 B	17.9 B	8.1 U	8.1 U	53.0 B	5.3 U	5.3 U	5.3 U	24.8 B	7,000	**100**
Lead	0.80 U	0.80 U	1.7 B	1.6 B	1.2 U	1.6 UJ	1.6 U	4.3 J	4.5*	4.2	**3**
Magnesium	35,800	28,000	25,200 J	43200 J	43,100 J	37,400	29,800	41,600	26,500		**5,000**
Manganese	4.6 B	0.30 U	0.20 U	0.20 UJ	0.20 U	0.5 U	0.5 U	0.5 UJ	0.5 U		**15**
Mercury	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2	**0.2**
Nickel	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	0.4 U	0.4 U	0.4 U	96	**40**
Potassium	17,900 J	13,000	11,100	17,800	12,200 J	16,700	19,700	18,900	15,500		**5,000**
Selenium	3.9 R	3.9 U	3.1 U	3.1 U	3.1 UJ	3.7 J	3.3 UJ	3.3 U	3.3 U	8.5	**5**
Silver	0.40 B	0.30 U	0.40 U	0.50 B	0.40 U	0.9 B	0.5 U	0.5 U	0.5 U	10	**10**
Sodium	94,000	60,800	41,800 J	95,500 J	90,500 J	83,100	60,700	105,000	51,700		**5,000**
Thallium	1.7 U	5.0 B	2.1 B	3.7 B	1.8 U	1.5 R	1.5 U	1.5 UJ	1.5 UJ	40	**10**
Vanadium	9.6 J	1.0 U	7.4 B	14.0 B	3.2 B	1.0 U	4.9 B	1.0 U	7.4 B		**50**
Zinc	37.5 J	**21.7**	12.3 B	0.50 U	0.50 UJ	4.3 U	7.3 B	4.3 U	4.3 U	86	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	17,100	718 J	451	674	578 J	251 J	35.1 B	70.9 J	308		
Antimony	3.0 J	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	18.2	2.4 UJ	2.5 UJ	2.5 U	6.7 B	5.3 J	3.6 U	3.6 UJ	3.6 UJ		
Barium	467	43.9 B	46.8 B	60.3 J	53.9 J	50.0 J	35.7 B	37.4 B	39.8 B		
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.2 U	0.2 U	0.2 U		
Calcium	291,000	111,000	136,000 J	209,000 J	207,000 J	203,000	187,000	185,000	180,000		
Chromium	71.0 J	1.9 B	2.7 B	0.20 U	0.20 B	2.7 B	0.4 U	0.4 UJ	2.2 B		
Cobalt	24.7	0.90 B	0.50 B	1.1 B	0.30 U	0.5 U	0.5 U	0.5 U	0.5 U		
Copper	26.3 J	12.2 B	4.8 B	4.8 B	0.60 U	7.3 B	8.2 B	6.8 B	7.1 B		
Cyanide	0.60 U	0.60 U	0.60 U	3.9 B	0.60 U	0.2 U	0.2 U	1.6 U	3.0 B	10	**10**
Iron	52,600	2,160	1,440	2,430 J	1,620	671	20.2 J	86.0 J	854		
Lead	28.1 J	1.6 J	3.8	3.8 J	3.0 UJ	1.6 UJ	1.6 U	1.6 U	4.8 J		
Magnesium	61,900	18,300	21,800 J	425,000 J	45,200 J	36,900	31,300	34,800	27,900		
Manganese	2,970	61.6	47.7	181 J	94.8	30.5	0.9 J	7.3 B	36.4		
Mercury	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 B		
Nickel	74.6 J	1.4 B	1.2 B	1.5 B	0.90 B	0.4 U	0.4 U	0.4 U	0.4 U		
Potassium	20,400	8,460 J	10,100	19,600 J	12,900 J	18,200 J	21,200	25,400 J	14,100		
Selenium	3.9 UJ	3.9 U	3.1 U	3.1 UJ	3.1 U	3.3 R	3.3 UJ	3.3 U	3.3 U		
Silver	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.0 B	0.5 U	0.5 U	0.5 U		
Sodium	95,600	28,600	36,800 J	95,300 J	93,600 J	77,900	61,800	86,500	54,800		
Thallium	1.7 U	4.3 B	1.8 U	1.8 J	1.8 U	1.5 UJ	1.5 U	1.5 UJ	1.5 UJ		
Vanadium	47.0 J	1.0 U	7.2 B	9.3 B	5.5 B	1.0 U	7.3 B	1.0 U	6.9 B		
Zinc	135 J	26.2 J	17.0 B	0.50 U	0.50 UJ	4.3 U	5.9 B	4.3 U	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.
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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.

* Field duplicate value of 2.8 was below Trigger Level.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for GW-60

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09		
Inorganics - Metals (Dissolved)[14]				Insufficient Volume	Insufficient Volume						
Aluminum	15.4 U	15.4 U	15.3 U	—	—	28.6 B	26.9 U	65.6 B	109 B		200
Antimony	2.4 U	2.4 U	1.6 U	—	—	4.8 U	4.8 U	4.8 U	4.8 U	60	60
Arsenic	2.4 U	2.4 U	2.5 U	—	—	3.6 U	3.6 U	3.6 UJ	3.6 UJ	20	10
Barium	57.3 B	64.1 B	87.4 J	—	—	59.9 B	90.5 B	59.3 B	80.4 B	1,000	200
Beryllium	0.10 U	0.10 U	0.10 U	—	—	2.3 U	2.3 U	2.3 U	2.3 U	5	5
Cadmium	0.10 U	0.10 U	0.10 U	—	—	0.2 U	0.2 U	0.2 U	0.2 U	5	5
Calcium	204,000	160,000	124,000 J	—	—	153,000	259,000	139,000	244,000		5,000
Chromium	2.5 B	1.2 B	1.4 B	—	—	2.7 B	0.8 B	0.4 UJ	3.8 B	11	10
Cobalt	0.20 U	0.20 U	0.30 U	—	—	0.5 U	0.5 U	1.7 B	0.5 U		50
Copper	5.60 B	3.80 B	3.6 B	—	—	5.7 B	8.9 B	6.1 B	8.3 B	25	25
Iron	23.7 B	8.5 U	8.1 U	—	—	5.3 U	13.2 B	**2,420**	**130**	7,000	100
Lead	0.80 U	0.80 U	2.9 B	—	—	1.6 UJ	2.2 B	2.4 J	**3.6**	4.2	3
Magnesium	28,100	23,800	16,100 J	—	—	35,500	68,900	33,500	61,300		5,000
Manganese	3.7 B	0.30 U	0.20 U	—	—	0.5 U	0.5 U	742 J	1.4 B		15
Mercury	0.10 U	0.10 U	0.10 UJ	—	—	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.2
Nickel	0.40 U	0.40 U	0.40 U	—	—	0.4 U	0.4 U	1.7 B	0.4 U	96	40
Potassium	7,430 J	6,650	9,980	—	—	6,120	7,220	5,980	5,020		5,000
Selenium	3.9 R	3.9 U	3.2 B	—	—	3.3 UJ	3.3 UJ	3.3 U	3.3 U	8.5	5
Silver	0.30 U	0.30 U	0.40 U	—	—	1.2 B	0.5 U	0.5 U	0.5 U	10	10
Sodium	20,100	15,100	7,300 J	—	—	11,900	20,100	9,840	19,300		5,000
Thallium	1.7 U	4.3 B	1.8 U	—	—	1.5 R	1.5 U	1.5 UJ	1.5 UJ	40	10
Vanadium	9.1 J	1.6 B	4.3 B	—	—	1.0 U	10.5 B	1.0 U	8.1 B		50
Zinc	10.4 J	9.1 B	10.1 B	—	—	4.3 U	10.8 B	4.3 U	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	2,590	110 J	127 B	—	—	355 J	9,420	18,100 J	426		
Antimony	2.4 UJ	2.4 U	1.6 U	—	—	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	2.4 U	2.4 UJ	2.5 U	—	—	3.6 U	3.6 U	3.6 UJ	3.6 UJ		
Barium	77.8 B	68.6 B	88.4 J	—	—	66.7 J	123 B	125 B	63.4 B		
Beryllium	0.10 U	0.10 U	0.10 U	—	—	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	—	—	0.2 U	0.2 B	3.6 B	0.2 U		
Calcium	207,000	144,000	122,000 J	—	—	168,000	244,000	146,000	220,000		
Chromium	6.6 J	1.9 B	1.8 B	—	—	2.9 B	19.8	0.4 UJ	2.8 B		
Cobalt	2.4 B	0.20 U	0.30 U	—	—	0.5 U	8.2 B	18.5 B	0.5 U		
Copper	0.70 U	9.10 B	5.3 B	—	—	8.1 B	20.1 B	39.0 J	8.1 B		
Cyanide	0.60 U	0.60 U	0.60 U	—	—	**218**	0.2 U	—	4.8 B	10	10
Iron	6,070	285	307	—	—	816	21,800 J	42,000 J	648		
Lead	3.6 J	0.80 UJ	1.5 B	—	—	1.6 UJ	10.9	29.4 J	3.8 J		
Magnesium	29,500	21,500	16,400 J	—	—	37400	65800	35100	47700		
Manganese	187	6.6 B	15.5	—	—	25	726 J	1,160	21.5		
Mercury	0.10 U	0.10 U	0.10 UJ	—	—	0.1 U	0.1 U	0.1 U	0.2 B		
Nickel	4.2 J	0.40 U	0.40 U	—	—	0.4 U	18.3 B	36.7 B	0.4 U		
Potassium	8,170	7,430 J	9,910	—	—	6,760 J	8,030	9,800 J	4,810 B		
Selenium	3.9 UJ	3.9 U	3.6 B	—	—	3.3 R	3.3 UJ	3.3 U	3.3 U		
Silver	0.30 U	0.30 U	0.40 U	—	—	0.6 B	0.5 U	0.5 U	0.5 U		
Sodium	19,700	13,200	7,450 J	—	—	12,700	17,500	6,900	16,600		
Thallium	1.7 U	2.7 B	1.8 U	—	—	1.5 UJ	1.5 U	1.5 UJ	1.5 UJ		
Vanadium	11.3 J	1.0 U	4.6 B	—	—	1.0 U	29.1 B	26.3 U	6.3 B		
Zinc	18.5 J	15.4 J	12.6 B	—	—	4.3 U	63.9	111	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	—	—	—	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.
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6) — = No Sample Available (Well Dry or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for GW-61

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09		
Inorganics - Metals (Dissolved)[14]											
Aluminum	15.4 U	15.4 U	266	15.3 U	32.4 B	26.9 U	26.9 U	26.9 U	37.7 B		200
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U	60	60
Arsenic	2.4 U	3.6 B	2.5 U	2.5 UJ	2.5 U	3.6 U	3.6 U	3.6 UJ	3.6 UJ	20	10
Barium	35.0 B	24.4 B	25.6 J	63.3 B	28.7 B	19.1 B	21.2 B	24.1 B	31.3 B	1,000	200
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U	5	5
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.2 B	0.6 B	0.5 B	5	5
Calcium	419,000	362,000	252,000 J	222,000	322,000 J	469,000	471,000	296,000	332,000		5,000
Chromium	4.4 B	0.3 B	3.4 B	0.20 U	0.2 U	4.9 B	0.8 B	0.4 UJ	3.7 B	11	10
Cobalt	2.10 B	0.40 B	1.2 B	0.30 U	1.5 B	1.1 B	1.2 B	0.9 B	0.8 B		50
Copper	7.1 B	4.2 B	4.6 B	2.4 B	0.60 U	6.9 B	9.9 B	10.4 B	12.4 B	25	25
Iron	**4,390**	20.9 B	**1,660**	31.2 B	**713**	**645**	17.9 B	5.3 U	**1910**	5,000	100
Lead	0.80 U	2.10 B	**3.3**	2.0 B	1.2 U	1.6 UJ	2.1 B	5.1 J	**3.6**	4.2	3
Magnesium	75,800	77,600	51,400 J	54,800 J	74,400 J	93,200	101,000	65,400	79,000		5,000
Manganese	714	118	291	227 J	881	433	328	409 J	425		15
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.2
Nickel	9.5 B	3.4 B	3.6 B	1.2 B	4.3 B	4.6 B	7.3 B	6.0 B	6.5 B	96	40
Potassium	14,000 J	13,300	8,870	9,240	10,700 J	14,500	16,600	12,500	12,100		5,000
Selenium	3.9 R	3.9 U	3.1 U	3.1 UJ	3.1 UJ	3.3 U	3.3 UJ	3.3 U	3.3 U	8.5	5
Silver	0.30 U	0.30 U	0.40 U	0.40 U	0.70 B	2.1 B	0.5 U	0.5 U	0.5 U	10	10
Sodium	68,100	53,700	49,500 J	78,000 J	98,200 J	66,100	74,300	72,000	92,800		5,000
Thallium	4.6 B	6.6 B	1.8 U	2.7 B	1.8 U	1.5 R	1.5 U	1.5 UJ	1.5 UJ	40	10
Vanadium	16.8 J	1.2 B	13.5 B	12.1 B	5.4 B	1.0 U	12.5 B	1.0 U	10.8 B		50
Zinc	14.7 J	16.8 B	**21.5**	0.50 U	0.50 UJ	4.3 U	4.3 U	4.3 U	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	1,780	23.6 J	15.3 U	15.3 U	225 J	32.2 J	131.0 B	107.0 J	8620		
Antimony	2.4 UJ	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	2.4 U	2.4 UJ	2.5 U	2.5 U	2.5 U	3.6 U	3.6 U	3.6 UJ	3.6 UJ		
Barium	45.9 B	23.3 B	24.4 J	34.6 J	37.2 J	17.5 J	20.1 B	25.1 B	122 B		
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.2 U	0.3 B	2.3 B		
Calcium	42,900	380,000	292,000 J	334,000 J	312,000 J	457,000	443,000	340,000	401,000		
Chromium	8.5 J	0.3 B	3.9 B	0.20 U	0.20 U	4.7 B	1.1 B	0.4 UJ	0.4 U		
Cobalt	2.5 B	0.3 B	1.5 B	0.30 U	0.30 U	0.8 B	0.9 B	1.0 B	8.2 B		
Copper	0.90 J	5.20 B	4.8 B	3.9 B	1.3 B	7.5 B	13.8 B	11.5 B	23.1 B		
Cyanide	0.60 U	0.60 U	0.60 U	1.0 B	0.60 U	**196**	0.2 U	1.6 U	1.9 B	10	10
Iron	9,040	188	1,390	133 J	934	161	1,080 J	925 J	32900		
Lead	2.10 J	0.80 UJ	2.4 B	1.2 U	3.0 UJ	1.6 UJ	2.7 B	2.7 J	16.9 J		
Magnesium	80,800	75,700	63,700 J	66,000 J	65,000 J	89,300	92,100	74,100	96,900		
Manganese	523	50.1	486	240 J	106	336	253 J	418	896		
Mercury	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.2		
Nickel	13.3 J	2.8 B	3.9 B	2.9 B	4.8 B	3.4 B	7.0 B	5.5 B	23.9 B		
Potassium	15,300	14,300 J	9,530	13,000 J	11,700 J	14,700 J	15,500	13,500 J	14,000		
Selenium	3.9 UJ	4.9 B	3.1 U	3.1 UJ	3.1 U	3.3 R	3.3 UJ	3.3 U	3.3 U		
Silver	0.30 B	0.30 U	0.40 U	0.70 B	0.50 B	2.1 B	0.5 U	0.5 U	0.5 U		
Sodium	65,800	50,000	61,400 J	51,700 J	65,000 J	57,000	67,900	83,800	94,500		
Thallium	3.7 B	4.8 B	1.8 U	2.0 B	1.8 U	1.5 U	1.5 U	1.5 UJ	1.5 UJ		
Vanadium	17.0 J	1.0 U	18.1 B	13.0 B	5.6 B	1.0 U	14.4 B	1.0 U	20.4 B		
Zinc	27.3 J	15.6 J	18.6 B	0.50 U	0.50 UJ	4.3 U	7.4 B	4.3 U	55.6		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

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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
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09		
Inorganics - Metals (Dissolved)[14]											
Aluminum	377	15.4 U	15.3 U	15.3 U	15.3 U	26.9 U	26.9 U	65.1 B	97.7 B		200
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U	60	60
Arsenic	2.4 U	2.4 U	2.5 U	2.5 UJ	2.5 U	3.6 U	3.6 U	3.6 UJ	3.6 UJ	20	10
Barium	110 B	101 B	88.9 J	98.9 B	97.8 B	105 B	108 B	110 B	110 B	1,000	200
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U	5	5
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.7 B	0.6 B	0.8 B	5	5
Calcium	123,000	119,000	114,000 J	127,000	115,000 J	111,000	128,000	126,000	122,000		5,000
Chromium	4.3 B	0.40 B	2.5 B	0.20 U	0.20 U	2.9 B	0.4 U	0.4 UJ	2.8 B	11	10
Cobalt	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.5 U	0.5 U	0.5 U	0.5 U		50
Copper	6.8 B	4.6 B	4.7 B	3.5 B	0.60 U	6.1 B	7.5 B	7.5 B	14.4 B	25	25
Iron	**625**	8.5 U	8.1 U	8.1 U	8.1 U	5.3 U	5.3 U	20.8 B	**121**	7,000	100
Lead	0.80 U	0.80 U	2.8 B	1.3 B	1.2 U	1.6 UJ	2.9 B	1.9 J	19.9	4.2	3
Magnesium	44,000	44,000	40,700 J	46,300 J	41,100 J	41,200	43,800	43,700	43,300		5,000
Manganese	140	0.30 U	0.20 U	33.4 J	2.3 B	120	3.3 B	0.5 UJ	1.8 B		15
Mercury	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.2
Nickel	2.1 B	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	0.4 U	0.4 U	0.4 U	96	40
Potassium	8,110 J	7,220	6,200	7,300	6,740 J	7,180	6,470	6,670	6,710		5,000
Selenium	3.9 R	3.9 U	3.1 U	3.1 UJ	3.1 UJ	3.3 UJ	3.3 UJ	3.3 U	3.3 U	8.5	5
Silver	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.0 B	0.5 U	0.5 U	0.5 U	10	10
Sodium	108,000	103,000	96,300 J	106,000 J	101,000 J	104,000	102,000	103,000	104,000		5,000
Thallium	1.7 U	5.5 B	1.8 U	1.8 U	1.8 U	1.5 R	1.5 U	1.5 UJ	1.5 UJ	40	10
Vanadium	13.5 J	2.5 B	12.4 B	11.5 B	3.3 B	1.0 U	7.9 B	1.0 U	7.9 B		50
Zinc	10.8 J	7.9 B	14.4 B	0.50 U	0.50 UJ	4.3 U	9.1 B	4.3 U	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	12,300	5,190 J	228	192 B	1,190 J	483 J	648	2,650 J	625		
Antimony	2.4 UJ	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	7.5 B	2.4 UJ	2.5 UJ	2.5 U	4.0 B	3.6 U	3.6 U	3.6 UJ	3.6 UJ		
Barium	354	218	95.4 J	107 J	108 J	125 J	119 B	157 B	113 B		
Beryllium	0.10 U	0.20 B	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.8 B	1.3 B	1.0 B		
Calcium	207,000	166,000	117,000 J	134,000 J	119,000 J	127,000	128,000	138,000	129,000		
Chromium	35.1 J	15.3	3.3 B	0.20 U	1.6 B	3.9 B	3.2 B	0.4 UJ	3.5 B		
Cobalt	12.3 B	5.6 B	0.30 U	0.30 U	0.30 U	0.5 U	0.5 U	2.0 B	0.5 U		
Copper	17.2 J	14.2 B	6.1 B	6.0 B	1.1 B	7.8 B	11.9 B	12.8 B	13.8 B		
Cyanide	0.60 U	0.60 U	0.60 U	0.90 B	0.60 U	0.2 U	0.2 U	1.6 U	1.6 B	10.0	10.0
Iron	30,900	13,600	629	1,020 J	2,940	1,270	1,850 J	6,640 J	1,180		
Lead	22.9 J	5.9 J	2.0 B	3.3 J	3.0 UJ	1.6 UJ	2.7 B	6.2 J	3.6 J		
Magnesium	59,700	54,400	42,800 J	47,100 J	39,800	46,400	42,200	46,500	43,400		
Manganese	981	395	14.4 B	51.5 J	74.8	159	48.7 J	201.0	30.3		
Mercury	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.2		
Nickel	35.6 J	16.0 B	0.80 B	0.40 U	1.9 B	0.7 B	2.5 B	7.7 B	1.0 B		
Potassium	10,600	9,290 J	6,610	7,230 J	6,400 J	7,770 J	6,220	7,280 J	6,540		
Selenium	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 U	3.3 R	3.3 UJ	3.3 U	3.3 U		
Silver	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.0 B	0.5 U	0.5 U	0.5 U		
Sodium	111,000	113,000	102,000 J	105,000 J	96,500 J	11,000	99,400	102,000	99,700		
Thallium	1.7 U	3.9 B	1.8 U	1.8 UJ	1.8 U	1.5 UJ	1.5 U	1.5 UJ	1.5 UJ		
Vanadium	35.7 J	8.1 B	12.4 B	9.2 B	4.5 B	1.0 U	8.4 B	1.0 U	8.8 B		
Zinc	95.9 J	53.1 J	14.7 B	0.50 U	0.50 UJ	4.3 U	11.3 B	13.1 B	4.5 B		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

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

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

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)									TRIGGER LEVEL	CRQL
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09		
Inorganics - Metals (Dissolved)[14]	Insufficient Volume							Insufficient Volume	Insufficient Volume		
Aluminum	—	200.0 U	15.9 B	15.3 U	32.9 B	215	26.9 U	—	—		200
Antimony	—	60.0 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	—	—	60	60
Arsenic	—	10.0 U	2.5 U	2.5 UJ	2.5 U	3.6 U	3.6 U	—	—	20	10
Barium	—	21.9 B	41.8 J	130 B	**227**	32.3 B	49.5 B	—	—	1,000	200
Beryllium	—	5.0 U	0.10 U	0.1 U	0.1 U	2.3 U	2.3 U	—	—	5	5
Cadmium	—	5.0 U	0.10 U	0.1 U	0.1 U	0.2 U	0.2 U	—	—	5	5
Calcium	—	239,000	273,000 J	340,000	310,000 J	248000	345000	—	—		5,000
Chromium	—	0.50 B	3.3 B	0.2 U	0.2 U	3.7 B	0.7 B	—	—	11	10
Cobalt	—	50.0 U	0.50 B	7.9 B	10.6 B	1.4 B	0.9 B	—	—		50
Copper	—	4.3 B	4.6 B	0.6 U	1.8 B	7.1 B	12.3 B	—	—	25	25
Iron	—	11.5 B	8.1 U	**169**	41.9 B	**569**	**286**	—	—	7,000	100
Lead	—	1.2 B	**3.1**	1.9 B	1.2 U	1.6 UJ	2.7 B	—	—	4.2	3
Magnesium	—	48,600	56,700 J	83,700 J	82,300 J	48400	69900	—	—		5,000
Manganese	—	15.0 U	223	3,770 J	2,700	127	454	—	—		15
Mercury	—	0.20 U	0.10 UJ	0.1 U	0.1 U	0.1 U	0.1 U	—	—	0.2	0.2
Nickel	—	40.0 U	4.6 B	20.4 B	19.5 B	1.3 B	5.4 B	—	—	96	40
Potassium	—	3,220 B	1,000	20,000	20,200 J	5430	8480	—	—		5,000
Selenium	—	5.0 U	3.1 U	4.2 J	3.1 UJ	3.3 UJ	3.3 U	—	—	8.5	5
Silver	—	0.30 B	0.40 U	0.8 B	0.5 B	1.1 B	0.5 U	—	—	10	10
Sodium	—	33,900	54,500 J	72,600 J	75,400 J	41800	69000	—	—		5,000
Thallium	—	3.4 B	1.8 U	1.8 U	1.8 U	1.5 R	1.5 U	—	—	40	10
Vanadium	—	1.7 B	16.0 B	11.4 B	4.7 B	1.0 U	9.9 B	—	—		50
Zinc	—	**32.3**	**52.6**	**23.7**	**32.7** J	**25.6**	**56.6**	—	—	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	—	1,610 J	1,320	86.8 B	—	—	—	—	—		
Antimony	—	60.0 U	1.6 U	1.6 U	—	—	—	—	—		
Arsenic	—	10.0 UJ	2.5 UJ	2.5 U	—	—	—	—	—		
Barium	—	31.2 B	43.4 J	140.0 J	—	—	—	—	—		
Beryllium	—	0.10 B	0.10 U	0.10 U	—	—	—	—	—		
Cadmium	—	5.00 U	0.10 U	0.10 UJ	—	—	—	—	—		
Calcium	—	242,000	270,000 J	368,000 J	—	—	—	—	—		
Chromium	—	3.5 B	5.1 B	0.20 U	—	—	—	—	—		
Cobalt	—	1.4 B	1.7 B	8.6 B	—	—	—	—	—		
Copper	—	7.2 B	13.0 B	0.6 U	—	—	—	—	—		
Cyanide	—	10.0 U	0.60 U	—	—	—	—	—	—	10.0	10.0
Iron	—	6,820	3,970	1,240 J	—	—	—	—	—		
Lead	—	1.8 J	4.6	1.2 UJ	—	—	—	—	—		
Magnesium	—	49,800	59,300 J	90,400 J	—	—	—	—	—		
Manganese	—	155	461	4080 J	—	—	—	—	—		
Mercury	—	0.20 U	0.10 UJ	0.10 U	—	—	—	—	—		
Nickel	—	3.1 B	8.3 B	23.1 B	—	—	—	—	—		
Potassium	—	3,680 J	13,100	21,700 J	—	—	—	—	—		
Selenium	—	5.0 U	3.1 UJ	4.0 J	—	—	—	—	—		
Silver	—	10.0 U	0.40 U	0.40 B	—	—	—	—	—		
Sodium	—	34,000	59,500 J	78,500 J	—	—	—	—	—		
Thallium	—	2.3 B	1.8 U	1.8 UJ	—	—	—	—	—		
Vanadium	—	50.0 U	18.2 B	10.2 B	—	—	—	—	—		
Zinc	—	71.0 J	80.5	44.3	—	—	—	—	—		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	—	BRL	BRL	—	—		
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.

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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-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09		
Inorganics - Metals (Dissolved)[14]											
Aluminum	15.4 U	15.4 U	15.3 U	15.3 U	583	38.6 B	26.9 U	32.1 B	144 B		**200**
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U	60	**60**
Arsenic	2.4 U	2.4 U	2.5 U	2.5 UJ	2.5 U	3.6 U	4.4 B	3.6 UJ	3.6 UJ	20	**10**
Barium	32.8 B	21.3 B	32.0 J	46.4 B	43.4 B	27.1 B	29.7 B	33.2 B	36.7 B	1,000	**200**
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U	5	**5**
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.6 B	0.2 U	0.2 B	5	**5**
Calcium	392,000	271,000	266,000 J	343,000	290,000 J	336,000	238,000	227,000	224,000		**5,000**
Chromium	5.7 B	0.30 U	3.6 B	0.20 U	0.20 U	4.9 B	0.9 B	0.4 UJ	2.7 B	11	**10**
Cobalt	0.20 U	0.20 U	0.30 U	0.60 B	0.40 B	0.5 U	0.8 B	1.9 B	0.5 U		**50**
Copper	8.1 B	3.0 B	4.2 B	0.60 U	1.3 B	7.0 B	7.9 B	7.8 B	8.2 B	25	**25**
Iron	47.8 B	8.5 U	**265**	8.1 U	**1,440**	5.3 U	5.3 U	6.2 B	**120**	7,000	**100**
Lead	0.80 U	0.80 U	1.2 B	1.2 U	1.2 U	1.6 UJ	2.8 B	2.4 J	1.6 U	4.2	**3**
Magnesium	93,500	69,900	65,600 J	81,100 J	70,200 J	80,000	54,800	52,100	52,100		**5,000**
Manganese	107	12.7 B	1,470	1,520 J	832	12.2 B	507	1,740 J	639		**15**
Mercury	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2	**0.2**
Nickel	1.8 B	0.40 U	2.0 B	0.50 B	3.1 B	0.4 U	2.4 B	2.1 B	1.0 B	96	**40**
Potassium	5,620 J	3,550 B	5,390	7,500	6,840 J	5,300	5,820	6,810	6,320		**5,000**
Selenium	3.9 R	3.9 U	3.1 U	4.7 J	3.4 J	4.7 J	3.3 U	3.3 U	3.3 U	8.5	**5**
Silver	0.50 B	0.30 U	0.40 U	0.60 B	0.40 U	1.7 B	0.5 U	0.5 U	0.5 U	10	**10**
Sodium	59,600	31,700	40,100 J	65,700 J	65,200 J	46,000	38,300	46,500	34,000		**5,000**
Thallium	1.7 U	3.6 B	1.8 U	1.8 U	1.8 U	1.5 R	2.1 J	1.5 UJ	1.5 U	40	**10**
Vanadium	18.3 J	2.4 B	18.5 B	14.1 B	4.5 B	1.0 U	5.5 B	1.0 U	7.9 B		**50**
Zinc	10.9 J	10.0 B	14.3 B	0.50 U	0.50 UJ	4.3 U	4.3 U	4.3 U	4.3 U	86	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	6,970	1,370 J	3,550	882	5,080 J	3,190 J	1,970	5,580 J	760		
Antimony	2.4 UJ	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	2.4 U	2.4 UJ	2.5 UJ	4.7 B	5.4 B	5.9 J	3.6 U	3.6 UJ	3.6 UJ		
Barium	64.6 B	29.0 B	49.7 J	52.0 J	70.3 J	42.1 J	36.0 B	68.5 B	41.0 B		
Beryllium	0.10 U	0.10 U	0.20 B	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.9 B	1.2 B	0.3 B		
Calcium	426,000	272,000	267,000 J	348,000 J	355,000	349,000	230,000	252,000	231,000		
Chromium	15.0 J	2.0 B	8.4 B	0.20 U	4.1 B	8.4 B	3.5 B	0.4 UJ	3.2 B		
Cobalt	5.0 B	1.1 B	2.5 B	0.90 B	4.6 B	1.9 B	1.5 B	5.9 B	1.2 B		
Copper	5.0 J	6.4 B	11.1 B	3.1 B	9.2 B	14.0 B	9.8 B	17.1 B	9.5 B		
Cyanide	0.60 U	0.60 U	0.60 U	1.90 B	0.70 B	0.2 U	0.2 U	1.6 U	1.6 U	10	**10**
Iron	15,600	2,700	7,590	2,360 J	11,200	6,770	3,100 J	13,800 J	1,730		
Lead	10.2 J	0.8 UJ	5.7	1.4 J	5.6 J	3.1 J	3.4	10.6 J	5.7 J		
Magnesium	103,000	70,700	64,600 J	82,700 J	83,600 J	82,400	53,400	58,900	52,700		
Manganese	734	164	1,060	687 J	986	331	497 J	1,460	705		
Mercury	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U		
Nickel	14.4 J	1.5 B	8.1 B	2.2 B	11.6 B	4.4 B	4.5 B	12.9 B	1.9 B		
Potassium	7,150	4,080 J	6,250	7,600 J	8,170 J	5,990 J	6,350	8,430 J	6,610		
Selenium	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 U	3.3 R	3.3 U	3.3 U	3.3 U		
Silver	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	2.2 B	0.5 U	0.5 U	0.5 U		
Sodium	63,500	30,100	36,600 J	65,400 J	66,300 J	46,200	35,700	43,900	33,700		
Thallium	1.7 U	4.1 B	1.8 U	1.8 UJ	1.8 U	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ		
Vanadium	26.5 J	1.0 U	25.6 B	12.0 B	13.8 B	1.0 U	7.9 B	1.0	7.9 B		
Zinc	55.0 J	19.4 J	38.5	0.50 U	14.7 J	15.5 B	6.9 B	28.4	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:

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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
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09		
Inorganics - Metals (Dissolved)[14]											
Aluminum	15.4 U	15.4 U	15.3 U	15.3 U	70.3 B	26.2 U	26.9 U	58 B	96.7 B		**200**
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U	60	**60**
Arsenic	2.4 U	2.4 U	2.5 U	2.5 U	5.8 B	3.6 U	3.6 U	3.6 UJ	3.6 UJ	20	**10**
Barium	42.0 B	43.1 B	48.6 J	48.4 B	43.1 B	41.5 B	47.5 B	44.5 B	42.2 B	1,000	**200**
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U	5	**5**
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.2 U	0.2 U	0.2 U	0.2 U	5	**5**
Calcium	188,000	166,000	151,000 J	194,000	181,000 J	174,000	182,000	170,000	173,000		**5,000**
Chromium	3.6 B	0.4 B	3.3 B	0.20 U	0.20 U	3.8 B	0.6 B	0.4 UJ	3.4 B	11	**10**
Cobalt	0.80 B	1.00 B	2.0 B	0.40 B	0.30 U	0.5 U	0.6 B	0.5 U	0.5 U		**50**
Copper	7.2 B	2.8 B	3.5 B	0.60 B	0.60 U	5.7 B	7.3 B	8.0 B	7.7 B	25	**25**
Iron	21.6 B	8.5 U	8.1 U	8.1 U	**160**	5.3 U	46.8 B	21 B	**213**	7,000	**100**
Lead	0.80 U	0.80 U	**3.2**	1.2 U	1.2 U	1.6 UJ	1.6 U	1.7 J	**4.3**	4.2	**3**
Magnesium	58,800	54,000	51,500 J	62,900 J	55,100 J	54,500	56,600	50,500	526,000		**5,000**
Manganese	787	1150	2,080	619.0 J	611	398	983	90.6 J	79.3		**15**
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2	**0.2**
Nickel	8.4 B	2.9 B	4.6 B	4.0 B	2.8 B	0.7 B	2.7 B	0.9 B	1.1 B	96	**40**
Potassium	20,100 J	12,400	17,100	17,100	7,600 J	9,160	12,700	5,980	6,390		**5,000**
Selenium	3.9 R	3.9 U	3.1 U	3.1 U	3.1 UJ	3.7 J	3.3 UJ	3.3 U	3.3 U	8.5	**5**
Silver	0.30 U	0.30 U	0.40 U	0.50 B	0.40 U	0.8 B	0.5 U	0.5 U	0.5 U	10	**10**
Sodium	55,300	39,400	41,300 J	52,900 J	45,900 J	36,800	42,500	32,700	33,500		**5,000**
Thallium	2.3 B	2.9 B	1.8 U	1.8 U	1.8 U	1.5 R	1.5 U	1.5 UJ	1.5 UJ	40	**10**
Vanadium	13.9 J	3.2 B	14.3 B	13.6 B	3.5 B	1.0 U	8.7 B	1.0 U	9.4 B		**50**
Zinc	6.4 J	7.4 B	10.2 B	0.50 U	0.50 UJ	4.3 U	4.3 U	4.3 U	4.3 U	86	**20**
Inorganics - Metals and Cyanide (Total)											
Aluminum	15,600	1,730 J	583	333	6670 J	135 J	38.8 B	881.0 J	536		
Antimony	2.4 UJ	2.4 UJ	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	2.4 B	2.4 UJ	2.5 UJ	2.5 U	2.5 B	5.4 J	3.6 U	3.6 UJ	3.6 UJ		
Barium	84.9 B	39.7 B	56.2 J	49.3 J	62.5 B	44.7 J	49.0 B	46.0 B	44.1 B		
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.2 U	0.2 U	0.3 B	0.3 B		
Calcium	252,000	228,000	167,000 J	206,000 J	198,000 J	195,000	183,000	174,000	178,000		
Chromium	25.8 J	2.3 B	4.8 B	0.20 U	8.4 B	3.6 B	0.9 B	0.4 UJ	3.6 B		
Cobalt	19.6 B	2.4 B	3.8 B	1.6 B	7.9 B	1.1 B	0.5 U	1.1 B	0.5 U		
Copper	3.4 J	5.6 B	5.2 B	1.1 B	4.8 B	10.0 B	7.3 B	8.4 B	7.9 B		
Cyanide	2.0 B	0.60 B	3.0 B	2.1 B	1.4 B	0.2 U	0.2 U	1.6 U	1.6 U	10	**10**
Iron	37,200	2,690	2,030	1,300 J	14,500	405	1,160 J	2,330 J	1,250		
Lead	11.8 J	0.8 UJ	1.8 B	2.9 J	3.3 J	1.6 UJ	2.2 B	4.1 J	4.1 J		
Magnesium	71,600	64,800	56,700 J	66,000 J	59,300 J	61,600	55,900	49,400	52,800		
Manganese	3,830	1,200	2,690	793 J	1,330	646	867 J	695	233		
Mercury	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U		
Nickel	39.1 J	4.4 B	7.0 B	6.3 B	13.9 B	2.2 B	1.7 B	2.6 B	0.6 B		
Potassium	22,100	10,400 J	20,800	20,400 J	9,480 J	12,500 J	11,900	6,440 J	6,700		
Selenium	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 U	3.3 R	3.3 UJ	3.3 U	3.3 U		
Silver	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.0 B	0.5 U	0.5 U	0.5 U		
Sodium	56,600	38,200	47,400 J	59,000 J	45,300 J	44,200	41,000	32,500	33,700		
Thallium	1.7 U	2.7 B	1.8 U	1.8 UJ	1.8 U	1.5 UJ	1.5	1.5 UJ	1.5 UJ		
Vanadium	38.2 J	1.0 U	18.3 B	9.2 B	12.8 B	1.0 U	7.5	1.0 U	8.4 B		
Zinc	79.6 J	22.3 J	14.0 B	0.50 U	14.7 J	4.3 U	13.9	4.3 U	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.
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-07	Dec-07	Mar-08	Jun-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09		
Inorganics - Metals (Dissolved)[14]	Insufficient Volume	Insufficient Volume			Insufficient Volume			Insufficient Volume			
Aluminum	—	—	15.4 U	88.5 B	—	38.2 B	26.9 U	—	105.0 B		200
Antimony	—	—	2.4 U	1.6 U	—	4.8 U	4.8 U	—	4.8 U	60	60
Arsenic	—	—	2.4 UJ	2.5 U	—	3.6 U	3.6 U	—	3.6 UJ	10	10
Barium	—	—	31.0 B	28.5 J	—	19.3 B	20.3 B	—	21 B	1,000	200
Beryllium	—	—	0.10 U	0.10 U	—	2.3 U	2.3 U	—	2.3 U	5	5
Cadmium	—	—	0.10 U	0.10 U	—	0.2 U	0.5 B	—	0.3 B	5	5
Calcium	—	—	169,000	190,000 J	—	187000	204000	—	201,000		5,000
Chromium	—	—	0.30 U	6.4 B	—	7.7 B	2.8 B	—	6.7 B	11	10
Cobalt	—	—	0.20 U	0.3 U	—	0.5 U	0.5 U	—	0.5 U		50
Copper	—	—	1.3 B	3.2 B	—	5.1 B	9.3 B	—	10.6 B	25	25
Iron	—	—	**124**	8.1 U	—	5.3 U	5.9 B	—	**283**	5,000	100
Lead	—	—	0.80 UJ	2.3 B	—	1.6 UJ	2.3 B	—	**4.8** J	4.2	3
Magnesium	—	—	108,000	138,000 J	—	139000	143000	—	138,000		5,000
Manganese	—	—	0.30 U	0.20 U	—	0.5 U	0.5 U	—	0.5 U		15
Mercury	—	—	0.10 U	0.10 UJ	—	0.1 U	0.1 U	—	0.1 U	0.2	0.2
Nickel	—	—	0.40 U	0.40 U	—	0.4 U	0.4 U	—	0.4 U	96	40
Potassium	—	—	3,870 B	3980.0 B	—	4220 B	4400 B	—	4,930 B		5,000
Selenium	—	—	3.9 U	3.1 U	—	5.0 J	3.3 U	—	3.3 U	8.5	5
Silver	—	—	0.30 U	0.40 U	—	1.1 B	0.5 U	—	0.5 U	10	10
Sodium	—	—	30,000	31800.0 J	—	33400	34100	—	33,700		5,000
Thallium	—	—	3.8 B	1.8 U	—	1.5 R	3.0 J	—	1.5 UJ	40	10
Vanadium	—	—	1.0 U	29.1 B	—	1.0 U	16.2 B	—	15.7 B		50
Zinc	—	—	9.4 B	14.4 B	—	4.3 U	4.3 U	—	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	—	—	2,610	2,450	—	1,200 J	5,400	13,900 J	3,450		
Antimony	—	—	60.0 U	1.6 U	—	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	—	—	10.0 UJ	2.5 UJ	—	3.6 U	3.6 U	3.6 UJ	3.6 UJ		
Barium	—	—	48.3 B	40.6 J	—	25.7 J	43.0 B	79.3 B	35.5 B		
Beryllium	—	—	0.10 B	0.10 U	—	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	—	—	5.00 U	0.10 U	—	0.2 U	1.4 B	2.6 B	1.2 B		
Calcium	—	—	181,000	191,000 J	—	196,000	217,000	263,000	208,000		
Chromium	—	—	6.7 B	12.5	—	9.8 B	13.0	3.5 J	7.2 B		
Cobalt	—	—	2.5 B	2.5 B	—	1.7 B	5.0 B	16.2 B	3.3 B		
Copper	—	—	6.7 B	9.1 B	—	10.6 B	18.2 B	32.9	18.1 B		
Cyanide	—	—	10.0 U	0.60 U	—	0.2 U	0.2 U	—	—	10	10
Iron	—	—	7,680	7,060	—	3,030	8,410 J	38,400 J	9,320		
Lead	—	—	4.4 J	7.7	—	1.6 UJ	8.0	22.4 J	9.3 J		
Magnesium	—	—	114,000	139,000 J	—	141,000	146,000	159,000	135,000		
Manganese	—	—	232	192	—	103	360 J	1010	293		
Mercury	—	—	0.20 U	0.10 UJ	—	0.1 U	0.1 U	0.1 U	0.2		
Nickel	—	—	5.9 B	4.7 B	—	1.9 B	8.9 B	35.9 B	9.9 B		
Potassium	—	—	4,630 J	4,740 B	—	4,750 J	6,360	8,500 E	5,810		
Selenium	—	—	5.0 U	3.1 U	—	3.3 R	3.3 U	3.3 U	3.3 U		
Silver	—	—	10.00 U	0.40 U	—	1.3 B	0.5 U	0.5 U	0.5 U		
Sodium	—	—	31,600	32,500 J	—	34,900	35,200	36,100	32,500		
Thallium	—	—	4.1 B	2.5 B	—	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ		
Vanadium	—	—	4.5 B	34.3 B	—	1.0 U	25.1 B	1.0 U	14.1 B		
Zinc	—	—	31.5 J	30.7	—	4.3 U	19.7 U	83.3	16.4 B		
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 Creek Surface Water Sample Location SW-50

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)										
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved)[14]				No Flow							
Aluminum	15.4 U	15.4 U	26.0 B	—	15.3 U	34.1 B	26.9 U	26.9 U	57.1 B		200
Antimony	2.4 U	2.4 U	1.6 U	—	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U	60	60
Arsenic	2.4 U	2.4 U	2.5 U	—	10.0 B	3.6 U	3.6 U	3.6 UJ	3.6 UJ	20	10
Barium	36.5 B	37.9 B	44.8 B	—	30.9 B	45.1 B	47.9 B	38.5 B	40.5 B	1,000	200
Beryllium	0.10 U	0.10 U	0.10 U	—	0.10 U	2.30 U	2.30 U	2.3 U	2.3 U	5	5
Cadmium	0.10 U	0.10 U	0.10 U	—	0.10 U	0.20 U	0.20 U	0.2 U	0.2 U	5	5
Calcium	69,800	77,300	80,600	—	70,500 J	96,600	77,100	66,400 J	96,300		5,000
Chromium	1.7 B	0.8 B	1.4 B	—	0.20 U	1.90 B	0.90 B	0.7 B	2.3 B	11	10
Cobalt	0.20 U	0.20 U	0.30 U	—	0.30 U	0.50 U	0.60 B	0.5 U	0.5 U		50
Copper	4.2 J	3.3 B	2.3 B	—	0.60 U	5.60 B	6.00 B	3.0 B	5.4 B	25	25
Iron	43.7 B	8.5 U	8.1 U	—	8.1 U	5.3 U	6.9 B	5.3 U	5.3 U	7,000	100
Lead	0.80 U	0.80 U	1.8 B	—	1.2 U	1.6 UJ	1.6 U	1.6 U	**3.6** J	4.2	3
Magnesium	17,400	20,200	21,100	—	18,600 J	25,700	23,500	17,800 J	28,400		5,000
Manganese	4.0 B	0.3 U	0.40 B	—	0.20 U	0.70 B	2.50 B	0.5 U	0.5 U		15
Mercury	0.10 U	0.10 U	0.10 U	—	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.2	0.2
Nickel	0.40 U	0.40 U	0.50 B	—	0.40 U	0.40 U	0.40 U	0.4 U	0.4 U	96	40
Potassium	2,410 B	1,640 B	2,640 B	—	2,800 J	2,400 B	3,080 B	3,290 J	2,450 B		5,000
Selenium	3.9 UJ	3.9 U	3.1 U	—	3.1 UJ	3.3 UJ	3.3 UJ	3.3 R	3.3 U	8.5	5
Silver	0.30 U	0.30 U	0.40 U	—	0.40 U	0.60 B	0.50 U	0.50 U	0.5 U	10	10
Sodium	42,400	56,300	34,500	—	41,100 J	97,300	64,000	43,900 J	50,700		5,000
Thallium	3.1 B	3.1 B	3.5 B	—	1.8 U	1.5 UJ	5.5 J	1.5 U	1.5 UJ	40	10
Vanadium	2.8 B	1.0 U	6.5 B	—	0.90 B	1.00 U	5.00 B	1.0 U	6.7 B		50
Zinc	8.9 B	8.0 B	10.6 B	—	0.50 UJ	4.30 U	4.30 U	4.3 UJ	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	302	111 B	299	—	24.8 B	173 B	38.1 B	26.9 U	76.3 B		
Antimony	2.4 U	2.4 U	1.6 U	—	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	2.4 U	2.4 U	2.5 U	—	8.9 B	3.6 U	3.6 U	8.0 B	3.6 U		
Barium	40.5 B	39.0 B	47.3 B	—	32.1 J	47.2 B	46.5 B	37.9 B	40.5 B		
Beryllium	0.10 U	0.10 U	0.10 U	—	0.10 U	2.3 U	2.3 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	—	0.10 U	0.20 U	0.20 U	0.20 U	0.2 U		
Calcium	74,100	78,300	78,000	—	73,200 J	98,800	77,800	66,100 J	95,200		
Chromium	2.1 B	0.70 B	1.9 B	—	0.20 U	2.1 B	1.0 B	0.6 B	1.6 B		
Cobalt	0.20 J	0.20 U	0.30 U	—	0.30 U	0.50 U	0.50 B	0.50 U	0.5 U		
Copper	4.7 B	3.5 B	3.3 B	—	0.60 U	6.7 B	6.5 B	3.1 B	5.7 B		
Cyanide	0.60 U	0.60 U	0.60 U	—	0.60 U	0.70 B	0.20 U	1.60 U	1.6 U	10	10
Iron	508 J	142	525	—	19.5 B	253	27.0 B	27.6 B	127		
Lead	0.80 U	0.80 U	2.0 B	—	3.0 UJ	1.6 UJ	1.6 U	1.6 U	2.3 J		
Magnesium	17,700	20,900	20,600	—	19,000 J	26,100	23,000	17,700 J	27,700		
Manganese	36.0 J	1.5 B	24.1	—	0.20 U	15.5	3.4 B	0.5 U	5.2 B		
Mercury	0.10 U	0.10 U	0.10 U	—	0.10 U	0.10 U	0.10 U	0.10 U	0.1 B		
Nickel	0.40 U	0.40 U	0.60 B	—	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U		
Potassium	2,430 J	1,680 B	2,640 B	—	2,810 J	2,470 B	3,210 B	3,280 J	2,470 B		
Selenium	3.9 U	3.9 U	3.1 U	—	3.1 UJ	4.6 J	3.3 UJ	3.3 UJ	3.3 U		
Silver	0.30 U	0.30 U	0.40 U	—	0.40 U	0.50 U	0.50 U	0.50 U	0.5 U		
Sodium	42,100 J	57,900	33,600	—	41,000 J	97,400	65,600	44,300 J	49,300		
Thallium	1.7 U	5.4 B	2.8 B	—	9.8 B	1.5 UJ	5.5 J	1.5 U	1.5 UJ		
Vanadium	3.1 B	1.0 U	5.2 B	—	0.80 U	1.0 U	5.2 B	1.0 U	4.7 B		
Zinc	6.3 B	8.9 B	12.0 B	—	0.50 UJ	4.3 U	4.3 U	4.3 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)										
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved)[14]											
Aluminum	15.4 U	15.4 U	15.3 U	15.3 U	15.3 U	26.9 U	27.6 B	26.9 U	103 B		200
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U	60	60
Arsenic	2.4 U	2.4 U	2.5 U	2.5 UJ	2.9 B	3.6 U	3.6 U	4.1 UJ	3.6 UJ	20	10
Barium	42.5 B	41.0 B	47.9 B	43.2 B	32.8 B	47.8 B	47.1 B	37.2 B	40.0 B	1,000	200
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.30 U	2.30 U	2.3 U	2.3 U	5	5
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 U	0.2 U	0.2 U	5	5
Calcium	88,800	84,500	80,400	81,100	73,700 J	95,000	76,100	64,900 J	93,800		5,000
Chromium	2.4 B	0.60 B	1.4 B	0.20 U	0.20 U	2.30 B	0.90 B	1.2 B	1.9 B	11	10
Cobalt	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.50 U	0.80 B	0.5 U	0.5 U		50
Copper	4.1 J	3.1 B	3.4 B	1.7 B	0.70 B	6.50 B	5.80 B	2.8 B	5.8 B	25	25
Iron	8.9 B	8.5 U	8.1 U	8.1 U	8.1 U	5.3 U	13.6 B	5.3 U	17.4 B	7,000	100
Lead	0.80 U	0.80 U	1.2 B	1.5 B	1.2 U	1.6 UJ	1.6 U	1.6 U	2.9 J	4.2	3
Magnesium	21,600	22,100	21,900	25,600 J	18,900 J	25,300	22,500	17,400 J	28,000		5,000
Manganese	2.0 B	0.3 U	1.7 B	31.4	4.8 B	2.3 B	3.5 B	4.6 B	5.6 B		15
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.2	0.2
Nickel	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	0.4 U	96	40
Potassium	2,220 B	1,740 B	2,760 B	3,540 B	2,840 J	2,380 B	3,040 B	3,120 J	2,380 B		5,000
Selenium	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 UJ	3.3 UJ	3.3 UJ	3.3 R	3.3 U	8.5	5
Silver	0.30 U	0.30 U	0.40 U	1.5 B	0.40 U	0.90 B	0.50 U	0.5	0.5 U	10	10
Sodium	42,100	61,400	37,000	42,800 J	42,800 J	96,700	65,200	43,400 J	49,600		5,000
Thallium	1.7 U	6.8 B	1.8 U	3.0 BJ	1.8 U	1.5 UJ	3.5 J	1.5 U	1.5 UJ	40	10
Vanadium	4.0 B	1.5 B	4.8 B	4.8 B	1.6 B	1.0 U	5.0 B	1.0 U	6.8 B		50
Zinc	1.1 U	8.1 B	12.1 B	0.50 U	0.50 UJ	4.30 U	4.30 U	4.3 UJ	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	98.8 B	117.0 B	44.8 B	15.3 U	24.3 B	58.5 B	46.2 B	26.9 U	52.0 B		
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	2.4 U	2.4 U	2.5 U	3.7 B	5.1 B	3.6 U	3.6 U	5.9 B	3.6 U		
Barium	40.7 B	40.2 B	42.1 B	50.4 J	33.3 J	46.2 B	49.9 B	36.7 B	42.6 B		
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.30 U	2.30 U	2.30 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 U	0.20 U	0.2 U		
Calcium	82,400	81,900	72,700	87,200 J	74,400 J	97,000	83,400	65,100 J	98,200		
Chromium	1.9 B	0.6 B	1.3 B	0.20 U	0.20 U	2.10 B	2.80 B	0.40 U	1.9 B		
Cobalt	0.20 U	0.20 U	3.0 U	0.30 U	0.30 U	0.50 U	0.80 B	0.50 U	0.5 U		
Copper	3.8 J	3.2 B	2.4 B	3.0 B	0.60 U	5.80 B	6.10 B	2.90 B	5.4 B		
Cyanide	0.60 U	0.60 U	0.60 U	1.0 B	0.60 U	0.20 U	0.20 U	1.6 U	1.6 U	10	10
Iron	174 J	144	79.7 B	84.3 J	50.6 B	45.1 B	106.0	45.6 B	37.2 B		
Lead	0.80 U	0.80 U	1.7 B	1.7 B	3.0 UJ	1.6 UJ	1.6 U	1.6 U	2.9 J		
Magnesium	20,700	21,100	19,700	27,100 J	19,000 J	25,700	24,500	17,400 J	28,800		
Manganese	5.3 J	1.9 B	4.6 B	82.4 J	29.3	3.9 B	11.1 B	7.5 B	3.4 B		
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U		
Nickel	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.50 B	0.40 U	0.4 U		
Potassium	2,130 J	1,710 B	2,470 B	3,680 J	2,860 J	2,430 B	3,250 B	3,140 J	2,500 B		
Selenium	3.90 UJ	3.90 U	3.1 UJ	3.1 U	3.1 UJ	3.3 UJ	3.3 UJ	3.3 UJ	3.3 U		
Silver	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	0.50 U	0.50 U	0.50 U	0.5 U		
Sodium	40,400 J	59,000 J	33,300	45,000 J	42,200 J	97,400	69,200	43,400 J	51,700		
Thallium	1.7 U	4.4 B	1.8 U	4.1 B	1.9 B	1.5 UJ	2.6 J	1.5 U	1.5 UJ		
Vanadium	2.5 B	1.0 U	4.1 B	11.8 B	1.6 B	1.0 U	4.6 B	1.0 U	5.1 B		
Zinc	1.5 B	9.1 B	9.8 B	0.50 U	0.50 UJ	4.30 U	4.30 U	4.30 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
	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Jun-09	Sep-09	Dec-09		
Inorganics - Metals (Dissolved)[14]											
Aluminum	15.4 U	15.4 U	26.7 B	15.3 U	15.3 U	26.9 U	26.9 U	26.9 U	65.5 B		200
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U	60	60
Arsenic	2.4 U	2.4 U	2.5 U	2.5 UJ	3.4 B	3.6 U	3.6 U	9.2 UJ	3.6 UJ	20	10
Barium	41.6 B	39.2 B	48.5 B	113 B	32.0 B	47.0 B	48.6 B	37.3 B	41.8 B	1,000	200
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.30 U	2.30 U	2.3 U	2.3 U	5	5
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 B	0.2 U	0.2 U	5	5
Calcium	87,300	80,100	80,700	125,000	70,400 J	97,900	78,800	64,900 J	95,200		5,000
Chromium	2.0 B	0.50 B	1.6 B	0.20 U	0.20 U	2.10 B	0.70 B	1.0 B	2.2 B	11	10
Cobalt	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.50 U	0.60 B	0.5 U	0.5 U		50
Copper	4.0 J	4.6 B	3.6 B	1.6 B	0.60 U	5.60 B	5.30 B	2.8 B	6.0 B	25	25
Iron	10.9 B	8.5 U	8.1 U	17.5 B	8.1 U	5.3 U	11.3 B	14.7 B	22.0 B	7,000	100
Lead	0.80 U	1.50 B	1.7 B	**3.6**	1.2 U	1.6 UJ	1.6 U	1.6 U	**4.3** J	4.2	3
Magnesium	21,600	21,100	22,300	29,100 J	18,000 J	26,200	23,200	16,900 J	27,700		5,000
Manganese	2.2 B	0.30 U	4.6 B	295	4.4 B	2.6 B	11.4 B	1.3 B	5.0 B		15
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.2	0.2
Nickel	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.90 B	0.4 U	0.4 U	96	40
Potassium	2,180 B	1,630 B	2,710 B	3,490 B	2,750 J	2,440 B	3,060 B	3,130 J	2,400 B		5,000
Selenium	3.9 UJ	3.9 U	3.1 UJ	3.1 UJ	3.1 UJ	3.3 UJ	3.3 UJ	3.3 R	3.3 U	8.5	5
Silver	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	0.50 B	0.50 U	0.5 U	0.5 U	10	10
Sodium	42,500	59,700	37,900	37,700 J	41,200 J	101,000	67,900	43,900 J	50,700		5,000
Thallium	2.0 B	3.4 B	1.8 U	6.8 J	1.8 U	1.5 UJ	3.3 J	1.5 U	1.5 UJ	40	10
Vanadium	3.9 B	1.9 B	4.9 B	10.2 B	2.2 B	1.0 U	4.3 B	1.0 U	7.4 B		50
Zinc	1.6 B	8.8 B	**24.7**	0.50 U	0.50 UJ	4.30 U	4.30 U	4.3 UJ	4.3 U	86	20
Inorganics - Metals and Cyanide (Total)											
Aluminum	68.3 B	154 B	117 B	15.3 U	18.6 B	59.1 B	47.5 B	335.0	43.5 B		
Antimony	2.4 U	2.4 U	1.6 U	1.6 U	1.6 U	4.8 U	4.8 U	4.8 U	4.8 U		
Arsenic	2.4 U	2.4 U	2.5 U	3.5 B	2.8 B	3.6 U	3.6 U	7.3 B	3.6 U		
Barium	40.9 B	41.0 B	42.4 B	60.5 J	32.3 J	45.6 B	48.8 B	39.0 B	40.0 B		
Beryllium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.30 U	2.30 U	2.3 U	2.3 U		
Cadmium	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 U	0.2 U	0.2 U		
Calcium	82,600	81,700	77,900	97,500 J	71,400 J	95,400	80,000	63,800 J	94,400		
Chromium	2.1 B	0.70 B	1.9 B	0.20 B	0.20 U	2.10 B	1.00 B	0.6 B	1.7 B		
Cobalt	0.20 U	0.20 U	0.30 U	0.30 U	0.30 U	0.50 U	0.90 B	0.5 U	0.5 U		
Copper	3.8 J	3.9 B	3.3 B	2.8 B	0.60 U	5.80 B	5.70 B	3.2 B	5.2 B		
Cyanide	0.60 U	0.60 U	0.60 U	1.0 B	0.60 U	1.30 B	0.20 U	1.6 U	1.6 U	10	10
Iron	168 J	214.0	139	298 J	60.7 B	43.8 B	86.8 B	643	33.2 B		
Lead	0.80 U	0.80 U	1.8 B	2.7 B	3.0 UJ	1.6 UJ	1.6 U	1.6 U	1.6 U		
Magnesium	20,500	21,300	20,800	28,200 J	18,100 J	25,700	23,200	16,800 J	26,900		
Manganese	5.7 J	3.7 B	9.8 B	173.0 J	14.1 B	4.2 B	18.8	33.3	5.9 B		
Mercury	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 B		
Nickel	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	0.4 U		
Potassium	2,070 J	1,730 B	2,610 B	3,930 J	2,750 J	2,400 B	3,110 B	3,050 J	2,430 B		
Selenium	3.90 UJ	3.9 U	3.1 UJ	3.1 U	3.1 UJ	3.3 UJ	3.3 UJ	3.3 UJ	3.3 U		
Silver	0.30 U	0.30 U	0.40 U	0.40 U	0.40 U	1.00 B	0.50 U	0.5 U	0.5 U		
Sodium	40,500 J	60,700	36,900	47,500 J	41,100 J	98,800	69,100	42,700 J	49,600		
Thallium	3.4 B	4.2 B	1.9 B	4.0 B	2.9 B	1.5 UJ	7.3 J	1.5 U	1.5 UJ		
Vanadium	3.2 B	1.3 B	6.2 B	12.0 B	1.6 B	1.0 U	4.6 B	1.0 U	4.7 B		
Zinc	1.1 U	9.6 B	17.3 B	0.50 U	0.50 UJ	4.30 U	4.30 U	4.3 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 Outfall Surface Water Run Off Location SWD-1

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

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

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

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

Notes:
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-3

Compound	Quarterly Sampling Results (All Results Expressed in Units of µg/l)											
	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Feb-09	Apr-09	Sep-09	Dec-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	28.6 B	—	—	—	27 U	—	—		200
Antimony	—	2.4 U	2.4 U	1.6 U	—	—	—	4.8 U	—	—	60	60
Arsenic	—	2.4 U	2.4 U	2.5 U	—	—	—	3.6 U	—	—	20	10
Barium	—	31.1 B	5.6 B	9.5 J	—	—	—	9.5 J	—	—	1,000	200
Beryllium	—	0.10 U	0.10 U	0.10 U	—	—	—	2.3 U	—	—	5	5
Cadmium	—	0.10 U	0.10 U	0.10 U	—	—	—	0.2 U	—	—	5	5
Calcium	—	93,300	23,200	22,200 J	—	—	—	35800	—	—		5,000
Chromium	—	1.5 B	0.30 U	0.4 B	—	—	—	0.4 U	—	—	11	10
Cobalt	—	0.20 U	0.20 U	0.30 U	—	—	—	0.5 U	—	—		50
Copper	—	2.9 J	1.2 B	1.3 B	—	—	—	2.5 B	—	—	25	25
Iron	—	8.5 U	8.5 U	60.2 B	—	—	—	15.9 B	—	—	7,000	100
Lead	—	0.80 U	0.80 U	1.2 U	—	—	—	1.6 UJ	—	—	4.2	3
Magnesium	—	10,900	2,370 B	2,120 J	—	—	—	3970 B	—	—		5,000
Manganese	—	0.30 U	0.30 U	4.0 B	—	—	—	0.5 U	—	—		15
Mercury	—	0.10 U	0.10 U	0.10 UJ	—	—	—	0.1 U	—	—	0.2	0.2
Nickel	—	0.40 U	0.40 U	0.90 B	—	—	—	0.6 B	—	—	96	40
Potassium	—	2,080 B	2,060 B	7,440	—	—	—	3080 B	—	—		5,000
Selenium	—	3.9 UJ	3.9 U	3.1 U	—	—	—	3.3 U	—	—	8.5	5
Silver	—	0.30 U	0.30 U	0.40 U	—	—	—	0.5 U	—	—	10	10
Sodium	—	298 B	572 B	440 J	—	—	—	949 B	—	—		5,000
Thallium	—	1.7 U	4.0 B	3.4 B	—	—	—	1.5 UJ	—	—	40	10
Vanadium	—	2.3 B	1.0 U	0.80 U	—	—	—	1.0 U	—	—		50
Zinc	—	4.4 B	5.5 B	14.7 B	—	—	—	4.3 U	—	—	86	20
Inorganics - Metals and Cyanide (Total)												
Aluminum	—	15.4 U	133 B	351	—	—	—	162 B	—	—		
Antimony	—	2.4 U	2.4 U	1.6 U	—	—	—	4.8 U	—	—		
Arsenic	—	2.4 U	2.4 U	2.5 UJ	—	—	—	3.6 U	—	—		
Barium	—	26.9 B	6.3 B	11.6 J	—	—	—	10.8 J	—	—		
Beryllium	—	0.10 U	0.10 U	0.10 U	—	—	—	2.3 U	—	—		
Cadmium	—	0.10 U	0.10 U	0.10 U	—	—	—	0.2 U	—	—		
Calcium	—	86,900	23,200	21,900 J	—	—	—	37500	—	—		
Chromium	—	0.90 B	0.40 B	0.70 B	—	—	—	0.4 B	—	—		
Cobalt	—	0.20 U	0.40 B	0.30 U	—	—	—	0.5 U	—	—		
Copper	—	2.0 J	1.1 B	2.3 B	—	—	—	6.6 B	—	—		
Cyanide	—	0.60 U	0.60 U	0.60 B	—	—	—	0.2 U	—	—	10	10
Iron	—	15.5 J	227	661	—	—	—	304	—	—		
Lead	—	0.80 U	0.90 B	2.2 B	—	—	—	1.6 UJ	—	—		
Magnesium	—	10,100	2,310 B	2,190 J	—	—	—	4210 B	—	—		
Manganese	—	0.3 U	1.8 B	29.7	—	—	—	6.7 B	—	—		
Mercury	—	0.10 U	0.10 U	0.10 U	—	—	—	0.1 U	—	—		
Nickel	—	0.40 U	0.40 U	1.4 UJ	—	—	—	0.4 U	—	—		
Potassium	—	1,970 J	2,080 B	7,630	—	—	—	3310 B	—	—		
Selenium	—	3.9 U	3.9 U	3.1 UJ	—	—	—	3.3 U	—	—		
Silver	—	0.30 U	0.30 U	0.40 U	—	—	—	0.5 U	—	—		
Sodium	—	65.0 J	557 B	352 J	—	—	—	739 B	—	—		
Thallium	—	1.7 U	1.7 U	2.6 B	—	—	—	1.5 UJ	—	—		
Vanadium	—	1.0 U	1.0 U	0.80 U	—	—	—	1.0 U	—	—		
Zinc	—	1.5 B	6.8 B	16.9 B	—	—	—	4.3 U	—	—		
Volatile Organic Compounds (VOCs)	—	BRL	BRL	BRL	—	—	—	BRL	—	—		
Semi-Volatile Organic Compounds (SVOCs)	—	BRL	BRL	BRL	—	—	—		—	—		
Pesticides / PCBs	—	BRL	BRL	BRL	—	—	—	BRL	—	—		

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

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

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

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

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for GW-26

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

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

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

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

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

APPENDIX C

LABORATORY DATA VALIDATION REPORT

AECOM

APPENDIX C

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

AECOM: PROJECT NUMBER 60134280

LABORATORY REPORT NUMBER 209120221

PROJECT MANAGER: Ron Roelker

Date: March 23, 2010

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 209120221 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in December 2009 was conducted by AECOM using the National Functional Guidelines for Inorganic Data Review, (US EPA, December, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 209120221.

GCAL #	Sample Description
20912022101	SK-SW50-1032
20912022102	SK-MS-1032 (SW50)
20912022104	SK-DUP-1032 (SW50)
20912022106	SK-SW51-1032
20912022107	SK-FD-1032 (SW51)
20912022108	SK-SW52-1032
20912022110	SK-SW50-1032 (DISS)
20912022111	SK-MS-1032 (SW50) DISS
20912022112	SK-DUP-1032 (SW50) DISS
20912022113	SK-SW51-1032 (DISS)
20912022114	SK-FD-1032 (SW51) DISS
20912022115	SK-SW52-1032 (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 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 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.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 12/30/09 were 84%, 130%, 105%, and 108%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 12/30/09 were 84%, 87%, 124%, and 97%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 12/30/09 were 92%, 97%, 97%, and 78%.

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

B. Continuing Calibration

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

3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB above the corresponding Contract Required Detection Limit (CRDL).

4. ICP INTERFERENCE CHECK SAMPLE

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

5. LABORATORY CONTROL SAMPLES

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

6. DUPLICATE ANALYSIS

The laboratory used sample SK-SW50-1032 (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-SW50-1032 (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 Thallium (64%, 68%) associated with the total and dissolved fractions and Arsenic (73%) associated with the dissolved fraction. As per the National Functional Guidelines, if the spike 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".

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. GCAL selected sample SK-SW50-1032 (total/dissolved) for serial dilution. 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 dissolved 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 manually made the correction on the Form 1's.

The Preparation Blank Matrix and Preparation Blank Concentration Units information was not missing on the form III (pages 510 and 511). The data validator manually made the correction on the Form III's.

11. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 209120221 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 December 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 209120221.

GCAL #	Sample Description
20912022101	SK-SW50-1032
20912022102	SK-MS-1032 (SW50)
20912022103	SK-MSD-1032 (SW50)
20912022106	SK-SW51-1032
20912022107	SK-FD-1032 (SW51)
20912022108	SK-SW52-1032

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 12/8/09 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 Indeno(1,2,3-cd)pyrene (35.2%). The data validator dropped the lowest point of the calibration curve for Indeno(1,2,3-cd)pyrene and re-calculated the %RSD. The re-calculated %RSD for Indeno(1,2,3-cd)pyrene was 21.6%, which is within the acceptance criteria of less than or equal to 30%.

B. Continuing Calibration

One CC dated 12/8/09 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 blank was analyzed with this SDG. The results are summarized below.

<u>Method Blank (MB783526)</u>

There were no target compounds detected in the method blank extracted on 12/4/09.

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-SW50-1032 was submitted for MS/MSD analysis. The MS/MSD percent recoveries are within the acceptance criteria. All of the RPDs between the MS and MSD were within the acceptance criteria.

7. INTERNAL STANDARDS PERFORMANCE

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

8. COMPOUND IDENTIFICATION

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

9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

10. SYSTEM PERFORMANCE

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

11. DOCUMENTATION

The "Start Cal Date" on pages 219-221 was incorrectly reported as 12 JUN 2009 13:06. The data validator manually corrected the date to read 08 DEC 2009 08:44.

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

GCAL reported the compound 1,1,2,2-Tetrachloroethane as a semivolatile TIC for sample SK-FD-1032 (SW51). 1,1,2,2-Tetrachloroethane was analyzed and reported under the volatile organic analysis and therefore should not have been reported as a semivolatile TIC. The data validator manually made the correction on the hardcopy report.

GCAL reported the compounds Trichloroethylene, 1,1,2-Trichloroethane, and 1,1,2,2-Tetrachloroethane as a semivolatile TICs for sample SK-SW52-1032. Compounds Trichloroethylene, 1,1,2-Trichloroethane, and 1,1,2,2-Tetrachloroethane were analyzed and reported under the volatile organic analysis and therefore should not have been reported as a semivolatile TIC. The data validator manually made the correction on the hardcopy report.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 209120221 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 December 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 209120221.

GCAL #	Sample Description
20912022101	SK-SW50-1032
20912022102	SK-MS-1032 (SW50)
20912022103	SK-MSD-1032 (SW50)
20912022105	SK-TB-1032
20912022106	SK-SW51-1032
20912022107	SK-FD-1032 (SW51)
20912022108	SK- SW52-1032
20912022109	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 MSV5. Two bromofluorobenzene (BFB) tunes were run on MSV5 on 12/8/09 and 12/9/09. The BFB tune criteria are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 12/8/09 was analyzed on instrument MSV5 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRFs as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRFs and the average RRF for the ICs were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. The %RSDs were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. As per the National Functional Guidelines, if any IC RRF is less than 0.05 then qualify detected results for that compound with "J" and non-detected results for that compound with "R".

B. Continuing Calibration

Two CCs dated 12/8/09 and 12/9/09 were analyzed on instrument MSV5 in support of the volatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRFs and the CC RFs were within the acceptance criteria for all target compounds.

The RRFs for the CCs were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone associated with the CCs dated 12/8/09 and 12/9/09. 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.

MB784316

There were no target compounds detected in method blank MB784316 analyzed on 12/8/09 (2116).

MB7784594

There were no target compounds detected in method blank MB784594 analyzed on 12/9/09 (1333).

Storage Blank (VHBLK)

There were no target compounds detected in the Storage Blank analyzed on 12/9/09 (1752).

Trip Blank (SK-TB-1032)

There were no target compounds detected in the Trip Blank received on 12/2/09.

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-SW50-1032 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. All of the percent RPDs between the MS and MSD were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

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

8. INTERNAL STANDARDS PERFORMANCE

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

9. COMPOUND IDENTIFICATION

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

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

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

12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 209120221 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 December 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 209120221.

GCAL #	Sample Description
20912022101	SK-SW50-1032
20912022102	SK-MS-1032 (SW50)
20912022103	SK-MSD-1032 (SW50)
20912022106	SK-SW51-1032
20912022107	SK-FD-1032 (SW51)
20912022108	SK-SW52-1032
20912022101	SK-SW50-1032

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 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 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 4,4'-DDE (29.8%). As per the National Functional Guidelines, up to two single component target pesticides (other than the surrogates) per column may exceed the 20% limit but the %RSD must be less than or equal to 30%, therefore no action is taken. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks.

4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEMs were within the acceptance criteria of ±25.0 percent for the calibration verifications..

5. BLANKS

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

<u>Method Blank MB783592</u>

No constituents were reported by GCAL for the method blank extracted on 12/7/09.

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-SW50-1032 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 (37%, 39%), Endrin (43%, 44%) and gamma-BHC (45%, 48%) in the MS/MSD. All of the percent RPDs between the MS and MSD were within the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD results alone.

8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

9. TARGET COMPOUND IDENTIFICATION

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

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported.

11. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

REFERENCES

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

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

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC.

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 01/05/2010

GCAL Report 209120221

Deliver To	AECOM/Earth Tech One Midtown Plaza 1360 Peachtree St Suite 500 Atlanta, GA 30309 770-990-1400
Attn	Mark Kromis

Project Skinner Landfill-4th Q 2009

CASE NARRATIVE

Client: AECOM/Earth Tech **Report:** 209120221

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.

Pages 5-14 labeled as "Summary of Compounds Detected" were removed from this report on 04/01/2010 and replaced with pages labeled as " THIS PAGE INTENTIONALLY LEFT BLANK". These pages are not needed for this data package.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 422944, the MS/MSD exhibited recovery failures. These recoveries were within limits in the LCS and/or LCSD.

METALS

Several Dissolved Metals results were greater than the Total results. This is attributed to separate aliquots of the sample used.

In the ILM04.1 - CLP Metals analysis for prep batch 422989, 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 85% for Selenium and 52% for Thallium.

In the ILM04.1 - CLP Metals analysis for prep batch 422991, the MS and/or MSD recovery was outside the control limits for Arsenic. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with a recovery of 53%. Lead 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.

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW50-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

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

Lab Sample ID: 20912022101

Level: (low/med)

Lab File ID: 2091208J4971

% Moisture: not dec.

Date Collected: 12/01/09 Time: 1130

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

Date Received: 12/02/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/08/09 Time: 2141

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

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

3/3-/10

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW50-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912022101

Level: (low/med) Lab File ID: 2091208j4971

% Moisture: not dec. Date Collected: 12/01/09 Time: 1130

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/02/09

Instrument ID: HP 5971 GC Date Analyzed: 12/08/09 Time: 2141

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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-SW50-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: Water Lab Sample ID: 20912022101

Sample wt/vol: Units: Lab File ID: 2091208/j4971T

Level: (low/med) Date Collected: 12/01/09 Time: 1130

% Moisture: not dec. Date Received: 12/02/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/08/09 Time: 2141

Instrument ID: HP 5971 GC 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-1032 (SW50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912022102

Level: (low/med) Lab File ID: 2091208j4973ms

% Moisture: not dec. Date Collected: 12/01/09 Time: 1135

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/02/09

Instrument ID: HP 5971 GC Date Analyzed: 12/08/09 Time: 2227

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.7		0.010	1.0
106-93-4	1,2-Dibromoethane	5.2		0.010	1.0
107-06-2	1,2-Dichloroethane	5.5		0.010	1.0
78-87-5	1,2-Dichloropropane	5.7		0.010	1.0
106-46-7	1,4-Dichlorobenzene	5.9		0.010	1.0
71-43-2	Benzene	6.0		0.010	1.0
75-25-2	Bromoform	6.0		0.010	1.0
56-23-5	Carbon tetrachloride	6.9		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.9		0.010	1.0
127-18-4	Tetrachloroethene	6.8		0.010	1.0
79-01-6	Trichloroethene	6.3		0.010	1.0
75-01-4	Vinyl chloride	6.3		0.010	1.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MSD-1032 (SW50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912022103

Level: (low/med) Lab File ID: 2091208/j4974msd

% Moisture: not dec. Date Collected: 12/01/09 Time: 1140

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/02/09

Instrument ID: HP 5971 GC Date Analyzed: 12/08/09 Time: 2250

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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	5.7		0.010	1.0
107-06-2	1,2-Dichloroethane	5.3		0.010	1.0
78-87-5	1,2-Dichloropropane	5.3		0.010	1.0
106-46-7	1,4-Dichlorobenzene	6.1		0.010	1.0
71-43-2	Benzene	6.2		0.010	1.0
75-25-2	Bromoform	5.6		0.010	1.0
56-23-5	Carbon tetrachloride	6.6		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	5.6		0.010	1.0
127-18-4	Tetrachloroethene	6.7		0.010	1.0
79-01-6	Trichloroethene	5.9		0.010	1.0
75-01-4	Vinyl chloride	6.3		0.010	1.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912022105

Level: (low/med) Lab File ID: 2091208j4975

% Moisture: not dec. Date Collected: 12/01/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/02/09

Instrument ID: HP 5971 GC Date Analyzed: 12/08/09 Time: 2313

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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

3/30/10 MSR

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912022105

Level: (low/med) Lab File ID: 2091208J4975

% Moisture: not dec. Date Collected: 12/01/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/02/09

Instrument ID: HP 5971 GC Date Analyzed: 12/08/09 Time: 2313

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: Water Lab Sample ID: 20912022105

Sample wt/vol: Units: Lab File ID: 2091208/j4975T

Level: (low/med) Date Collected: 12/01/09 Time: 0000

% Moisture: not dec. Date Received: 12/02/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/08/09 Time: 2313

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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	8.217	.208	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

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

Lab Sample ID: 20912022108

Level: (low/med)

Lab File ID: 2091208j4972

% Moisture: not dec.

Date Collected: 12/01/09 Time: 1430

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

Date Received: 12/02/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/08/09 Time: 2204

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

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

3/30/10 MSM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912022106

Level: (low/med) Lab File ID: 2091208/j4972

% Moisture: not dec. Date Collected: 12/01/09 Time: 1430

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/02/09

Instrument ID: HP 5971 GC Date Analyzed: 12/08/09 Time: 2204

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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-SW51-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: Water Lab Sample ID: 20912022106

Sample wt/vol: Units: Lab File ID: 2091208/j4972T

Level: (low/med) Date Collected: 12/01/09 Time: 1430

% Moisture: not dec. Date Received: 12/02/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/08/09 Time: 2204

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: JCK

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	10.617	.233	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1032 (SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

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

Lab Sample ID: 20912022107

Level: (low/med)

Lab File ID: 2091208/4976

% Moisture: not dec.

Date Collected: 12/01/09 Time: 1435

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

Date Received: 12/02/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/08/09 Time: 2337

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

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

3/30/10 MJR

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1032 (SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912022107

Level: (low/med) Lab File ID: 2091208/4976

% Moisture: not dec. Date Collected: 12/01/09 Time: 1435

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/02/09

Instrument ID: HP 5971 GC Date Analyzed: 12/08/09 Time: 2337

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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-1032 (SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: Water Lab Sample ID: 20912022107

Sample wt/vol: Units: Lab File ID: 2091208J4976T

Level: (low/med) Date Collected: 12/01/09 Time: 1435

% Moisture: not dec. Date Received: 12/02/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/08/09 Time: 2337

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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			

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil/water) Water

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

Lab Sample ID: 20912022108

Level: (low/med)

Lab File ID: 2091208J4977

% Moisture: not dec.

Date Collected: 12/01/09 Time: 1515

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

Date Received: 12/02/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 0000

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

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

3/30/10 MSL

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912022108

Level: (low/med) Lab File ID: 2091208/j4977

% Moisture: not dec. Date Collected: 12/01/09 Time: 1515

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/02/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 0000

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-SW52-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: Water Lab Sample ID: 20912022108

Sample wt/vol: Units: Lab File ID: 2091208/j4977T

Level: (low/med) Date Collected: 12/01/09 Time: 1515

% Moisture: not dec. Date Received: 12/02/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 0000

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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.: 209120221

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912022109

Level: (low/med) Lab File ID: 2091209j5001

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/02/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1752

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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

3/30/10 MSA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912022109

Level: (low/med) Lab File ID: 2091209/5001

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/02/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1752

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120221

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-SW50-1032

Contract:

Lab File ID: 2091208/d7370

Lab Sample ID: 20912022101

Date Collected: 12/01/09 Time: 1130

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1022

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120221

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-SW50-1032

Contract:

Lab File ID: 2091208/d7370

Lab Sample ID: 20912022101

Date Collected: 12/01/09 Time: 1130

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1022

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120221

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-SW50-1032

Contract:

Lab File ID: 2091208/d7370

Lab Sample ID: 20912022101

Date Collected: 12/01/09 Time: 1130

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1022

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

CONCENTRATION UNITS: ug/L

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

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 209120221
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-SW50-1032
Contract:
Lab File ID: 2091208/d7370
Lab Sample ID: 20912022101
Date Collected: 12/01/09 Time: 1130
Date Received: 12/02/09
Date Extracted: 12/4/09
Date Analyzed: 12/08/09 Time: 1022
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM 4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV4

Number TICs Found : 6

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.681	9.81	
2.		Unknown	.751	.657	
3.		Unknown	.799	11	
4.		Unknown	1.307	.36	
5.		Unknown	2.863	.365	
6.		Unknown	5.072	.491	

FORM I SV-TIC

3/30/10 MSH

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120221

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-1032 (SW50)

Contract:

Lab File ID: 2091208/d7371

Lab Sample ID: 20912022102

Date Collected: 12/01/09 Time: 1135

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1037

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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	38		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	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	39		0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120221

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-1032 (SW50)

Contract:

Lab File ID: 2091208/d7371

Lab Sample ID: 20912022102

Date Collected: 12/01/09 Time: 1135

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1037

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	61		0.01	25
87-86-5	Pentachlorophenol	69		0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	53		0.01	10
129-00-0	Pyrene	41		0.01	10
621-64-7	N-Nitroso-di-n-propylamine	29		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.: 209120221

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-1032 (SW50)

Contract:

Lab File ID: 2091208/d7371

Lab Sample ID: 20912022102

Date Collected: 12/01/09 Time: 1135

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1037

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120221

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-MSD-1032 (SW50)

Contract:

Lab File ID: 2091208/d7372

Lab Sample ID: 20912022103

Date Collected: 12/01/09 Time: 1140

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1053

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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	38		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	51		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	52		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	40		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.: 209120221

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-1032 (SW50)

Contract:

Lab File ID: 2091208/d7372

Lab Sample ID: 20912022103

Date Collected: 12/01/09 Time: 1140

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1053

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	57		0.01	25
87-86-5	Pentachlorophenol	61		0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	49		0.01	10
129-00-0	Pyrene	42		0.01	10
621-64-7	N-Nitroso-di-n-propylamine	29		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.: 209120221

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-1032 (SW50)

Contract:

Lab File ID: 2091208/d7372

Lab Sample ID: 20912022103

Date Collected: 12/01/09 Time: 1140

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1053

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120221

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-SW51-1032

Contract:

Lab File ID: 2091208/d7373

Lab Sample ID: 20912022106

Date Collected: 12/01/09 Time: 1430

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1108

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120221

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-SW51-1032

Contract:

Lab File ID: 2091208/d7373

Lab Sample ID: 20912022106

Date Collected: 12/01/09 Time: 1430

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1108

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

CONCENTRATION UNITS: ug/L

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120221

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-SW51-1032

Contract:

Lab File ID: 2091208/d7373

Lab Sample ID: 20912022106

Date Collected: 12/01/09 Time: 1430

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1108

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120221
Matrix: Water
Sample wt/vol: 990 Units: mL
Level: (low/med) LOW
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SK-SW51-1032
Contract:
Lab File ID: 2091208/d7373
Lab Sample ID: 20912022106
Date Collected: 12/01/09 Time: 1430
Date Received: 12/02/09
Date Extracted: 12/4/09
Date Analyzed: 12/08/09 Time: 1108
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLMO 4.2
Instrument ID: MSSV4

Number TICs Found : 11

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.419	19.6	
2.		Unknown	3.441	18.3	
3.		Unknown	3.569	21.3	
4.		Unknown	.686	14.9	
5.		Unknown	.799	14.9	
6.		Unknown	1.456	142	
7.		Unknown	2.307	79.9	
8.		Unknown	2.564	46.7	
9.		Unknown	2.585	19.3	
10.		Unknown	2.681	44.9	
11.		Unknown	2.703	24.7	

FORM I SV-TIC

3/30/10
MSL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120221

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-FD-1032 (SW51)

Contract:

Lab File ID: 2091208/d7374

Lab Sample ID: 20912022107

Date Collected: 12/01/09 Time: 1435

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1124

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120221

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-1032 (SW51)

Contract:

Lab File ID: 2091208/d7374

Lab Sample ID: 20912022107

Date Collected: 12/01/09 Time: 1435

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1124

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120221

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-1032 (SW51)

Contract:

Lab File ID: 2091208/d7374

Lab Sample ID: 20912022107

Date Collected: 12/01/09 Time: 1435

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1124

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120221
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-1032 (SW51)
Contract:
Lab File ID: 2091208/d7374
Lab Sample ID: 20912022107
Date Collected: 12/01/09 Time: 1435
Date Received: 12/02/09
Date Extracted: 12/4/09
Date Analyzed: 12/08/09 Time: 1124
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2SVOA
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV4

Number TICs Found : 7

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.681	2.22	
2.		Unknown	.718	1.86	
3.		Unknown	.798	2.29	
4.	~~79-34-5~~	~~Ethane, 1,1,2,2-tetrachloro-~~	~~1.194~~	~~3.01~~	
5.		Unknown	1.307	.909	
6.		Unknown	2.039	6.5	
7.		Unknown	2.564	.511	

FORM I SV-TIC

8/30/10
MZ

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120221

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-SW52-1032

Contract:

Lab File ID: 2091208/d7375

Lab Sample ID: 20912022108

Date Collected: 12/01/09 Time: 1515

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1139

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120221

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-SW52-1032

Contract:

Lab File ID: 2091208/d7375

Lab Sample ID: 20912022108

Date Collected: 12/01/09 Time: 1515

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1139

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120221

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-SW52-1032

Contract:

Lab File ID: 2091208/d7375

Lab Sample ID: 20912022108

Date Collected: 12/01/09 Time: 1515

Date Received: 12/02/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1139

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120221
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-SW52-1032
Contract:
Lab File ID: 2091208/d7375
Lab Sample ID: 20912022108
Date Collected: 12/01/09 Time: 1515
Date Received: 12/02/09
Date Extracted: 12/4/10
Date Analyzed: 12/08/09 Time: 1139
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLM 04.2
Instrument ID: MSSV4

Number TICs Found : 7

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	~~79-01-6~~	~~Trichloroethylene~~	~~.419~~	~~3.71~~	
2.	~~79-00-5~~	~~Ethane, 1,1,2-trichloro-~~	~~.628~~	~~4.13~~	
3.		Unknown	.718	2.76	
4.		Unknown	.831	7.22	
5.		Unknown	1.018	11.1	
6.	~~79-34-5~~	~~Ethane, 1,1,2,2-tetrachloro-~~	~~1.194~~	~~128~~	
7.		Unknown	1.307	2.41	

FORM I SV-TIC

5/5-/10
MSL

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: 422944 Analytical Batch: 423688

Sample ID: SK-SW50-1032
Contract:
SAS No.: SDG No.: 209120221
Lab Sample ID: 20912022101
Date Collected: 12/01/09 Time: 1130
Date Received: 12/02/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1039
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: 2091217p/sv18a004

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	0.00260	J	0.000101	0.101
309-00-2	Aldrin	0.051	U	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.101	U	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.00242	J	0.000101	0.101
72-20-8	Endrin	0.101	U	0.000101	0.101
7421-93-4	Endrin aldehyde	0.101	U	0.000101	0.101
53494-70-5	Endrin ketone	0.101	U	0.000101	0.101
76-44-8	Heptachlor	0.051	U	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000101	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000101	0.051

FORM I ORG-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 980 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 422944 Analytical Batch: 423688

Sample ID: SK-MS-1032 (SW50)

Contract:

SAS No.: SDG No.: 209120221

Lab Sample ID: 20912022102

Date Collected: 12/01/09 Time: 1135

Date Received: 12/02/09

Date Extracted: 12/07/09

Date Analyzed: 12/17/09 Time: 1057

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: 2091217p/sv18a005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.025	J	0.000102	0.102
72-55-9	4,4'-DDE	0.068	J	0.000102	0.102
50-29-3	4,4'-DDT	0.420	E	0.000102	0.102
309-00-2	Aldrin	0.287	E	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	0.373	E	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	0.441	E	0.000102	0.102
7421-93-4	Endrin aldehyde	0.102	U	0.000102	0.102
53494-70-5	Endrin ketone	0.011	J	0.000102	0.102
76-44-8	Heptachlor	0.305	E	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)	0.230	E	0.000102	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000102	0.051

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 980 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 422944 Analytical Batch: 423688

Sample ID: SK-MSD-1032 (SW50)
Contract:
SAS No.: SDG No.: 209120221
Lab Sample ID: 20912022103
Date Collected: 12/01/09 Time: 1140
Date Received: 12/02/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1115
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: 2091217p/sv18a006

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.010	J	0.000102	0.102
72-55-9	4,4'-DDE	0.074	J	0.000102	0.102
50-29-3	4,4'-DDT	0.434	E	0.000102	0.102
309-00-2	Aldrin	0.291	E	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	0.393	E	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	0.451	E	0.000102	0.102
7421-93-4	Endrin aldehyde	0.102	U	0.000102	0.102
53494-70-5	Endrin ketone	0.012	J	0.000102	0.102
76-44-8	Heptachlor	0.306	E	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)	0.244	E	0.000102	0.051
5103-74-2	gamma-Chlordane	0.051	U	0.000102	0.051

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 422944 Analytical Batch: 423688

Sample ID: SK-SW51-1032
Contract:
SAS No.: SDG No.: 209120221
Lab Sample ID: 20912022106
Date Collected: 12/01/09 Time: 1430
Date Received: 12/02/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1133
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: 2091217p/sv18a007

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.101	U	0.000101	0.101
72-55-9	4,4'-DDE	0.101	U	0.000101	0.101
50-29-3	4,4'-DDT	0.101	U	0.000101	0.101
309-00-2	Aldrin	0.051	U	0.000101	0.051
12674-11-2	Aroclor-1016	1.01	U	0.000101	1.01
11104-28-2	Aroclor-1221	2.02	U	0.000101	2.02
11141-16-5	Aroclor-1232	1.01	U	0.000101	1.01
53469-21-9	Aroclor-1242	1.01	U	0.000101	1.01
12672-29-6	Aroclor-1248	1.01	U	0.000101	1.01
11097-69-1	Aroclor-1254	1.01	U	0.000101	1.01
11096-82-5	Aroclor-1260	1.01	U	0.000101	1.01
60-57-1	Dieldrin	0.101	U	0.000101	0.101
959-98-8	Endosulfan I	0.051	U	0.000101	0.051
33213-65-9	Endosulfan II	0.101	U	0.000101	0.101
1031-07-8	Endosulfan sulfate	0.101	U	0.000101	0.101
72-20-8	Endrin	0.101	U	0.000101	0.101
7421-93-4	Endrin aldehyde	0.101	U	0.000101	0.101
53494-70-5	Endrin ketone	0.101	U	0.000101	0.101
76-44-8	Heptachlor	0.051	U	0.000101	0.051
1024-57-3	Heptachlor epoxide	0.051	U	0.000101	0.051
72-43-5	Methoxychlor	0.505	U	0.000101	0.505
8001-35-2	Toxaphene	5.05	U	0.000101	5.05
319-84-6	alpha-BHC	0.051	U	0.000101	0.051
5103-71-9	alpha-Chlordane	0.051	U	0.000101	0.051
319-85-7	beta-BHC	0.051	U	0.000101	0.051
319-86-8	delta-BHC	0.051	U	0.000101	0.051
58-89-9	gamma-BHC (Lindane)	0.051	U	0.000101	0.051
5103-74-2	gamma-Chlordane	0.00786	J	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: 422944 Analytical Batch: 423688

Sample ID: SK-FD-1032 (SW51)
Contract:
SAS No.: SDG No.: 209120221
Lab Sample ID: 20912022107
Date Collected: 12/01/09 Time: 1435
Date Received: 12/02/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1151
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: 2091217p/sv18a008

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

FORM I ORG-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 422944 Analytical Batch: 423688

Sample ID: SK-SW52-1032

Contract:

SAS No.: SDG No.: 209120221

Lab Sample ID: 20912022108

Date Collected: 12/01/09 Time: 1515

Date Received: 12/02/09

Date Extracted: 12/07/09

Date Analyzed: 12/17/09 Time: 1209

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: 2091217p/sv18a009

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

FORM I ORG-1

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW50-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022101

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	76.3	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	40.5	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	95200			P	
7440-47-3	Chromium	1.6	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.7	B		P	
7439-89-6	Iron	127			P	
7439-92-1	Lead	2.3	B		P	J
7439-95-4	Magnesium	27700			P	
7439-96-5	Manganese	5.2	B		P	
7439-97-6	Mercury	0.1	B		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2470	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	49300			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	4.7	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	1.6	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

3/30/10
MSA

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-MS-1032 (SW50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022102

Level: (low / med) Date Received: 12/02/09

% 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	95.6			P	
7440-38-2	Arsenic	31.2			P	
7440-39-3	Barium	1960			P	
7440-41-7	Beryllium	49.1			P	
7440-43-9	Cadmium	48.7			P	
7440-70-2	Calcium	91900			P	
7440-47-3	Chromium	195			P	
7440-48-4	Cobalt	474			P	
7440-50-8	Copper	238			P	
7439-89-6	Iron	1130			P	
7439-92-1	Lead	26.8			P	
7439-95-4	Magnesium	26700			P	
7439-96-5	Manganese	487			P	
7439-97-6	Mercury	4.8			AV	
7440-02-0	Nickel	484			P	
7440-09-7	Potassium	2340	B		P	
7782-49-2	Selenium	8.9			P	J
7440-22-4	Silver	44.9			P	
7440-23-5	Sodium	48600			P	
7440-28-0	Thallium	32.2		N	P	J
7440-62-2	Vanadium	485			P	
7440-66-6	Zinc	465			P	
57-12-5	Cyanide	108			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-1032 (SW50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022104

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	123	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	40.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	95200			P	
7440-47-3	Chromium	1.5	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.7	B		P	
7439-89-6	Iron	123			P	
7439-92-1	Lead	3.1			P	J
7439-95-4	Magnesium	27400			P	
7439-96-5	Manganese	4.7	B		P	
7439-97-6	Mercury	0.1	B		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2440	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	48900			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	5.0	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	1.6	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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MSCL

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW51-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022106

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	52.0	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	42.6	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	98200			P	
7440-47-3	Chromium	1.9	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.4	B		P	
7439-89-6	Iron	37.2	B		P	
7439-92-1	Lead	2.9	B		P	J
7439-95-4	Magnesium	28800			P	
7439-96-5	Manganese	3.4	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2500	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	51700			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	5.1	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	1.6	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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3/30/10
MSQ

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1032 (SW51)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022107

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	37.5	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	40.2	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	94300			P	
7440-47-3	Chromium	2.0	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.4	B		P	
7439-89-6	Iron	39.6	B		P	
7439-92-1	Lead	2.4	B		P	J
7439-95-4	Magnesium	27500			P	
7439-96-5	Manganese	3.4	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2400	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	49200			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	5.7	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	1.6	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW52-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022108

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	43.5	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U		P	
7440-39-3	Barium	40.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	94400			P	
7440-47-3	Chromium	1.7	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.2	B		P	
7439-89-6	Iron	33.2	B		P	
7439-92-1	Lead	1.6	U		P	
7439-95-4	Magnesium	26900			P	
7439-96-5	Manganese	5.9	B		P	
7439-97-6	Mercury	0.2	B		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2430	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	49600			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	4.7	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	1.6	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-SW-50-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022110

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	57.1	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	40.5	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	96300			P	
7440-47-3	Chromium	2.3	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.4	B		P	
7439-89-6	Iron	5.3	U		P	
7439-92-1	Lead	3.6		~~E~~	P	J
7439-95-4	Magnesium	28400			P	
7439-96-5	Manganese	0.5	U		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2450	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	50700			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	6.7	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

3/30/10 MSA

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-MS-1032 (SW50) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022111

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2180			P	
7440-36-0	Antimony	102			P	
7440-38-2	Arsenic	29.0		N	P	J
7440-39-3	Barium	2030			P	
7440-41-7	Beryllium	51.5			P	
7440-43-9	Cadmium	50.5			P	
7440-70-2	Calcium	95500			P	
7440-47-3	Chromium	204			P	
7440-48-4	Cobalt	501			P	
7440-50-8	Copper	257			P	
7439-89-6	Iron	1090			P	
7439-92-1	Lead	26.8		~~E~~	P	J
7439-95-4	Magnesium	28500			P	
7439-96-5	Manganese	505			P	
7439-97-6	Mercury	4.2			AV	
7440-02-0	Nickel	509			P	
7440-09-7	Potassium	2480	B		P	
7782-49-2	Selenium	12.1			P	J
7440-22-4	Silver	46.4			P	
7440-23-5	Sodium	50500			P	
7440-28-0	Thallium	34.2		N	P	J
7440-62-2	Vanadium	504			P	
7440-66-6	Zinc	491			P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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MSA

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-DUP-1032 (SW50) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022112

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	93.1	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	41.8	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	98400			P	
7440-47-3	Chromium	2.2	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	9.1	B		P	
7439-89-6	Iron	17.1	B		P	
7439-92-1	Lead	4.0		E	P	J
7439-95-4	Magnesium	28900			P	
7439-96-5	Manganese	1.0	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2560	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	52300			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.4	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-51-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022113

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	103	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	40.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	93800			P	
7440-47-3	Chromium	1.9	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.8	B		P	
7439-89-6	Iron	17.4	B		P	
7439-92-1	Lead	2.9	B	E	P	J
7439-95-4	Magnesium	28000			P	
7439-96-5	Manganese	5.6	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2380	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	49600			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	6.8	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1032 (SW51) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022114

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	37.2	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	42.6	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	99800			P	
7440-47-3	Chromium	2.1	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.7	B		P	
7439-89-6	Iron	8.5	B		P	
7439-92-1	Lead	3.5		~~E~~	P	J
7439-95-4	Magnesium	29100			P	
7439-96-5	Manganese	2.8	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2560	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	53100			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.0	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW52-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120221

Matrix: (soil / water) Water Lab Sample ID: 20912022115

Level: (low / med) Date Received: 12/02/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	65.5	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	41.8	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	95200			P	
7440-47-3	Chromium	2.2	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	6.0	B		P	
7439-89-6	Iron	22.0	B		P	
7439-92-1	Lead	4.3		~~E~~	P	J
7439-95-4	Magnesium	27700			P	
7439-96-5	Manganese	5.0	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2400	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	50700			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.4	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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3/30/10 MSL

DATA VALIDATION REPORT

FOR

SKINNER LANDFILL SITE

AECOM: PROJECT NUMBER 60134280

LABORATORY REPORT NUMBER 209120331

PROJECT MANAGER: Ron Roelker

Date: March 25, 2010

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 209120331 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in December 2009 was conducted by AECOM using the National Functional Guidelines for Inorganic Data Review, (US EPA, December, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 209120331.

GCAL #	Sample Description
20912033101	SK-GW65-1032
20912033102	SK-GW64-1032
20912033103	SK-GW63-1032
20912033104	SK-GW62A-1032
20912033106	SK-GW65-1032 (DISS)
20912033107	SK-GW64-1032 (DISS)
20912033108	SK-GW63-1032 (DISS)
20912033109	SK-GW62A-1032 (DISS)
20912033111	SK-GW61-1032
20912033112	SK-GW60-1032
20912033113	SK-GW59-1032
20912033114	SK-FD-1032 (GW59)
20912033116	SK-GW61-1032 (DISS)
20912033117	SK-GW60-1032 (DISS)
20912033118	SK-GW59-1032 (DISS)
20912033119	SK-FD-1032 (GW59) (DISS)
20912033120	SK-GW58-1032
20912033121	SK-MS-1032 (GW58)
20912033123	SK-DUP-1032 (GW58)
20912033124	SK-GW6R
20912033125	SK-GW07R-1032
20912033126	SK-FD-1032 (GW07R)
20912033127	SK-GW58-1032 (DISS)
20912033128	SK-MS-1032 (GW58) (DISS)
20912033129	SK-DUP-1032 (GW58) (DISS)
20912033130	SK-GW6R (DISS)
20912033131	SK-GW07R-1032 (DISS)
20912033132	SK-FD-1032 (GW07R) (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 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 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.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 12/30/09 were 84%, 130%, 105%, and 108%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 12/30/09 were 84%, 87%, 124%, and 97%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 12/30/09 were 92%, 97%, 97%, and 78%.

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

B. Continuing Calibration

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

3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB above the corresponding Contract Required Detection Limit (CRDL).

4. ICP INTERFERENCE CHECK SAMPLE

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

5. LABORATORY CONTROL SAMPLES

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

6. DUPLICATE ANALYSIS

The laboratory used sample SK-GW58-1032 (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-GW58-1032 (total and dissolved fractions) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75-125%) for all analytes with the exception of Arsenic (71%, 63%) and Thallium (64%, 68%) associated with the total and dissolved fractions. As per the National Functional Guidelines, if the spike 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".

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. GCAL selected sample SK-GW58-1032 (total/dissolved) for serial dilution. 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 dissolved 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 manually made the correction on the Form 1's.

The Preparation Blank Matrix and Preparation Blank Concentration Units information was not missing on the form III (pages 817 and 818). The data validator manually made the correction on the Form III's.

11. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 209120331 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 December 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 209120331.

GCAL #	Sample Description
20912033102	SK-GW64-1032
20912033103	SK-GW63-1032
20912033104	SK-GW62A-1032
20912033111	SK-GW61-1032
20912033112	SK-GW60-1032
20912033113	SK-GW59-1032
20912033114	SK-FD-1032 (GW59)
20912033120	SK-GW58-1032
20912033121	SK-MS-1032 (GW58)
20912033122	SK-MSD-1032 (GW58)
20912033124	SK-GW6R
20912033125	SK-GW07R-1032
20912033126	SK-FD-1032 (GW07R)

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 shift in which the standards and samples were analyzed. The DFTPP tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 12/8/09 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 Indeno(1,2,3-cd)pyrene (35.2%). The data validator dropped the lowest point of the calibration curve for Indeno(1,2,3-cd)pyrene and re-calculated the %RSD. The re-calculated %RSD for Indeno(1,2,3-cd)pyrene was 21.6%, which is within the acceptance criteria of less than or equal to 30%.

B. Continuing Calibration

Two CCs dated 12/8/09 and 12/9/09 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

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

<u>Method Blank (MB783526)</u>

There were no target compounds detected in the method blank extracted on 12/4/09.

Method Blank (MB783764)

There were no target compounds detected in the method blank extracted on 12/7/09.

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-GW58-1032 was submitted for MS/MSD analysis. The MS/MSD percent recoveries are within the acceptance criteria with the exception of 4-Chlorophenol associated with SK-GW58-1032 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 425-427 was incorrectly reported as 12 JUN 2009 13:06. The data validator manually corrected the date to read 08 DEC 2009 08:44. The "Int. Cal. Date (s)" and "Int. Cal. Times" on pages 428-430 and 463-465 were incorrectly reported as 12 JUN 2009 13:06. The data validator manually corrected the date to read 08 DEC 2009 08:44.

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

12. OVERALL ASSESSMENT

Bis(2-ethylhexyl)phthalate was detected in samples SK-FD-1032 (GW59) and SK-GW6R at concentrations of 1 ppb and 3 ppb respectively. Although Bis(2-ethylhexyl)phthalate was not detected in method blanks MB783526 and MB783764 it is a common laboratory contaminant. The data validator suggest that if Bis(2-ethylhexyl)phthalate has been historically detected in samples SK-FD-1032 (GW59) and SK-GW6R then the result of 1 ppb for sample SK-FD-1032 (GW59) and 3 ppb for sample SK-GW6R should be used for regulatory reporting. If Bis(2-ethylhexyl)phthalate has not been historically detected in sample SK-FD-1032 (GW59) and SK-GW6R then the result should be reported as 10.0 "U".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 209120331 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 December 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 209120331.

GCAL #	Sample Description
20912033102	SK-GW64-1032
20912033103	SK-GW63-1032
20912033104	SK-GW62A-1032
20912033105	SK-TB-1032 (12/2/09)
20912033110	VHBLK
20912033111	SK-GW61-1032
20912033112	SK-GW60-1032
20912033113	SK-GW59-1032
20912033114	SK-FD-1032 (GW59)
20912033115	SK-TB-1032 (12/3/09)
20912033120	SK-GW58-1032
20912033121	SK-MS-1032 (GW58)
20912033122	SK-MSD-1032 (GW58)
20912033123	SK-DUP-1032 (GW58)
20912033124	SK-GW6R
20912033125	SK-GW07R-1032
20912033126	SK-FD-1032 (GW07R)
20912033133	SK-TB-1032 (12/4/09)

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 MSV5. Two bromofluorobenzene (BFB) tunes were run on MSV5 on 12/8/09 and 12/9/09. The BFB tune criteria are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 12/8/09 was analyzed on instrument MSV5 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRFs as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRFs and the average RRF for the ICs were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. The %RSDs were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. As per the National Functional Guidelines, if any IC RRF is less than 0.05 then qualify detected results for that compound with "J" and non-detected results for that compound with "R".

B. Continuing Calibration

Two CCs dated 12/8/09 and 12/9/09 were analyzed on instrument MSV5 in support of the volatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRFs and the CC RFs were within the acceptance criteria for all target compounds.

The RRFs for the CCs were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone associated with the CCs dated 12/8/09 and 12/9/09. Acetone and 2-Butanone were previously qualified under the section titled "Initial Calibration" therefore further data qualification was not warranted.

4. BLANKS

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

MB784316

There were no target compounds detected in method blank MB784316 analyzed on 12/8/09 (2116).

MB7784594

There were no target compounds detected in method blank MB784594 analyzed on 12/9/09 (1333).

Storage Blank (VHBLK)

There were no target compounds detected in the Storage Blank analyzed on 12/9/09 (1815).

Trip Blank (SK-TB-1032)

There were no target compounds detected in the Trip Blank received on 12/2/09.

Trip Blank (SK-TB-1032)

There were no target compounds detected in the Trip Blank received on 12/3/09.

Trip Blank (SK-TB-1032)

There were no target compounds detected in the Trip Blank received on 12/4/09.

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-GW58-1032 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria. All of the percent RPDs between the MS and MSD were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

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

8. INTERNAL STANDARDS PERFORMANCE

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

9. COMPOUND IDENTIFICATION

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

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

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

12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 209120331 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 December 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 209120331.

GCAL #	Sample Description
20912033102	SK-GW64-1032
20912033103	SK-GW63-1032
20912033104	SK-GW62A-1032
20912033111	SK-GW61-1032
20912033112	SK-GW60-1032
20912033113	SK-GW59-1032
20912033114	SK-FD-1032 (GW59)
20912033120	SK-GW58-1032
20912033121	SK-MS-1032 (GW58)
20912033122	SK-MSD-1032 (GW58)
20912033124	SK-GW6R
20912033125	SK-GW07R-1032
20912033126	SK-FD-1032 (GW07R)

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 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 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 4,4'-DDE (29.8%). As per the National Functional Guidelines, up to two single component target pesticides (other than the surrogates) per column may exceed the 20% limit but the %RSD must be less than or equal to 30%, therefore no action is taken. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks.

4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEMs were within the acceptance criteria of ±25.0 percent for the calibration verifications..

5. BLANKS

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

<u>Method Blank MB783592</u>

No constituents were reported by GCAL for the method blank extracted on 12/7/09.

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-GW58-1032 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 4,4'-DDT (36%) associated with the MS and Dieldrin (36%, 32%), Endrin (42%, 38%) and gamma-BHC (46%, 34%) associated with the MS/MSD. All of the percent RPDs between the MS and MSD were within the acceptance criteria were within the acceptance criteria with the exception of gamma-BHC. As per the National Functional Guidelines, no action is taken on MS/MSD results alone.

8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

9. TARGET COMPOUND IDENTIFICATION

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

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported.

11. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

REFERENCES

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

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

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC.

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 01/05/2010

GCAL Report 209120331

Deliver To	AECOM/Earth Tech One Midtown Plaza 1360 Peachtree St Suite 500 Atlanta, GA 30309 770-990-1400
Attn	Mark Kromis

Project Skinner Landfill-4th Q 2009

CASE NARRATIVE

Client: AECOM/Earth Tech **Report:** 209120331

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.

Pages 5-23 labeled as "Summary of Compounds Detected" were removed from this report on 04/01/2010 and replaced with pages labeled as " THIS PAGE INTENTIONALLY LEFT BLANK". These pages are not needed for this data package.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 422977, the MSD recovery for 4-Nitrophenol was above the upper control limit. There were no hits for this compound in the extracted sample.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 - CLP Pest/PCB analysis for prep batch 422944, the MS/MSD exhibited recovery failures. These recoveries were within limits in the LCS and/or LCSD.

METALS

Several Dissolved Metals results were greater than the Total results. This is attributed to separate aliquots of the sample used.

In the ILM04.1 - CLP Metals analysis for prep batch 422989, 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 85% for Selenium and 52% 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.

In the ILM04.1 - CLP Metals analysis for prep batch 422991, the MS and/or MSD recovery was outside the control limits for Arsenic. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with a recovery of 53%. The MS and/or MSD recovery was outside the control limits for Arsenic 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. Lead 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.

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW64-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033102

Level: (low/med)

Lab File ID: 2091208j4978

% Moisture: not dec.

Date Collected: 12/02/09 Time: 1040

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

Date Received: 12/03/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 0023

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW64-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033102

Level: (low/med) Lab File ID: 2091208j4978

% Moisture: not dec. Date Collected: 12/02/09 Time: 1040

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/03/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 0023

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW64-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033102

Sample wt/vol: Units: Lab File ID: 2091208/j4978T

Level: (low/med) Date Collected: 12/02/09 Time: 1040

% Moisture: not dec. Date Received: 12/03/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 0023

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	3.993	.913	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033103

Level: (low/med) Lab File ID: 2091208j4979

% Moisture: not dec. Date Collected: 12/02/09 Time: 1325

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/03/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 0046

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033103

Level: (low/med) Lab File ID: 2091208/j4979

% Moisture: not dec. Date Collected: 12/02/09 Time: 1325

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/03/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 0046

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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-GW63-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033103

Sample wt/vol: Units: Lab File ID: 2091208/j4979T

Level: (low/med) Date Collected: 12/02/09 Time: 1325

% Moisture: not dec. Date Received: 12/03/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 0046

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 1

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	3.982	.57	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62A-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033104

Level: (low/med)

Lab File ID: 2091208j4980

% Moisture: not dec.

Date Collected: 12/02/09 Time: 1345

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

Date Received: 12/03/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 0109

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

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3/30/10 MSA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62A-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033104

Level: (low/med) Lab File ID: 2091208j4980

% Moisture: not dec. Date Collected: 12/02/09 Time: 1345

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/03/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 0109

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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-GW62A-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033104

Sample wt/vol: Units: Lab File ID: 2091208/j4980T

Level: (low/med) Date Collected: 12/02/09 Time: 1345

% Moisture: not dec. Date Received: 12/03/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 0109

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033105

Level: (low/med) Lab File ID: 2091208j4981

% Moisture: not dec. Date Collected: 12/02/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/03/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 0132

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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

3/30/10 MSM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033105

Level: (low/med)

Lab File ID: 2091208/j4981

% Moisture: not dec.

Date Collected: 12/02/09 Time: 0000

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

Date Received: 12/03/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 0132

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

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-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033105

Sample wt/vol: Units: Lab File ID: 2091208/J4981T

Level: (low/med) Date Collected: 12/02/09 Time: 0000

% Moisture: not dec. Date Received: 12/03/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 0132

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033110

Level: (low/med) Lab File ID: 2091209j5002

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/03/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1815

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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

3/30/10 MCA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033110

Level: (low/med) Lab File ID: 2091209j5002

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/03/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1815

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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.

VHBLK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033110

Sample wt/vol: Units: Lab File ID: 2091209/j5002T

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

% Moisture: not dec. Date Received: 12/03/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 1815

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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	6.418	.724	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW61-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033111

Level: (low/med)

Lab File ID: 2091208/j4982

% Moisture: not dec.

Date Collected: 12/03/09 Time: 1005

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

Date Received: 12/04/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 0156

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

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

3/30/10

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW61-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033111

Level: (low/med)

Lab File ID: 2091208/j4982

% Moisture: not dec.

Date Collected: 12/03/09 Time: 1005

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

Date Received: 12/04/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 0156

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW61-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033111

Sample wt/vol: Units: Lab File ID: 2091208/4982T

Level: (low/med) Date Collected: 12/03/09 Time: 1005

% Moisture: not dec. Date Received: 12/04/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 0156

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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	7.85	.512	

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW60-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033112

Level: (low/med) Lab File ID: 2091208/4983

% Moisture: not dec. Date Collected: 12/03/09 Time: 1030

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/04/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 0219

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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

3/2/10 nsh

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW60-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033112

Level: (low/med)

Lab File ID: 2091208/4983

% Moisture: not dec.

Date Collected: 12/03/09 Time: 1030

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

Date Received: 12/04/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 0219

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

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-GW60-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033112

Sample wt/vol: Units: Lab File ID: 2091208/J4983T

Level: (low/med) Date Collected: 12/03/09 Time: 1030

% Moisture: not dec. Date Received: 12/04/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 0219

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW59-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033113

Level: (low/med)

Lab File ID: 2091208/j4984

% Moisture: not dec.

Date Collected: 12/03/09 Time: 1250

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

Date Received: 12/04/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 0242

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

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

3/31/10 MCA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW59-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033113

Level: (low/med) Lab File ID: 2091208/j4984

% Moisture: not dec. Date Collected: 12/03/09 Time: 1250

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/04/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 0242

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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-GW59-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033113

Sample wt/vol: Units: Lab File ID: 2091208/j4984T

Level: (low/med) Date Collected: 12/03/09 Time: 1250

% Moisture: not dec. Date Received: 12/04/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 0242

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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-1032 (GW59)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033114

Level: (low/med)

Lab File ID: 2091208j4985

% Moisture: not dec.

Date Collected: 12/03/09 Time: 1255

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

Date Received: 12/04/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 0305

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423082

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

3/31/10 MSA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1032 (GW59)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033114

Level: (low/med) Lab File ID: 2091208/j4985

% Moisture: not dec. Date Collected: 12/03/09 Time: 1255

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/04/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 0305

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423082

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-1032 (GW59)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033114

Sample wt/vol: Units: Lab File ID: 2091208/j4985T

Level: (low/med) Date Collected: 12/03/09 Time: 1255

% Moisture: not dec. Date Received: 12/04/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 0305

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033115

Level: (low/med) Lab File ID: 2091209j4993

% Moisture: not dec. Date Collected: 12/03/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/04/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1430

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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

3/31/10

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033115

Level: (low/med) Lab File ID: 2091209/4993

% Moisture: not dec. Date Collected: 12/03/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/04/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1430

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-TB-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033115

Sample wt/vol: Units: Lab File ID: 2091209j4993T

Level: (low/med) Date Collected: 12/03/09 Time: 0000

% Moisture: not dec. Date Received: 12/04/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 1430

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: AGC

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Number TICs Found: 0

CONCENTRATION UNITS: ug/L

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033120

Level: (low/med)

Lab File ID: 2091209/j4992

% Moisture: not dec.

Date Collected: 12/04/09 Time: 0845

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

Date Received: 12/05/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 1406

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AGC

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423134

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

3/31/10

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033120

Level: (low/med) Lab File ID: 2091209/4992

% Moisture: not dec. Date Collected: 12/04/09 Time: 0845

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/05/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1406

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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-GW58-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033120

Sample wt/vol: Units: Lab File ID: 2091209/4992T

Level: (low/med) Date Collected: 12/04/09 Time: 0845

% Moisture: not dec. Date Received: 12/05/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 1406

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: AGC

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-1032(GW58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033121

Level: (low/med) Lab File ID: 2091209j4994ms

% Moisture: not dec. Date Collected: 12/04/09 Time: 0845

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/05/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1454

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.5		0.010	1.0
106-93-4	1,2-Dibromoethane	5.7		0.010	1.0
107-06-2	1,2-Dichloroethane	4.6		0.010	1.0
78-87-5	1,2-Dichloropropane	5.3		0.010	1.0
106-46-7	1,4-Dichlorobenzene	4.9		0.010	1.0
71-43-2	Benzene	4.8		0.010	1.0
75-25-2	Bromoform	4.8		0.010	1.0
56-23-5	Carbon tetrachloride	4.5		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	4.7		0.010	1.0
127-18-4	Tetrachloroethene	5.2		0.010	1.0
79-01-6	Trichloroethene	4.8		0.010	1.0
75-01-4	Vinyl chloride	4.8		0.010	1.0

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-MSD-1032(GW58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033122

Level: (low/med) Lab File ID: 2091209j4995msd

% Moisture: not dec. Date Collected: 12/04/09 Time: 0845

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/05/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1517

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
79-00-5	1,1,2-Trichloroethane	5.1		0.010	1.0
106-93-4	1,2-Dibromoethane	5.0		0.010	1.0
107-06-2	1,2-Dichloroethane	4.8		0.010	1.0
78-87-5	1,2-Dichloropropane	4.8		0.010	1.0
106-46-7	1,4-Dichlorobenzene	4.9		0.010	1.0
71-43-2	Benzene	4.6		0.010	1.0
75-25-2	Bromoform	5.2		0.010	1.0
56-23-5	Carbon tetrachloride	4.5		0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	4.7		0.010	1.0
127-18-4	Tetrachloroethene	4.8		0.010	1.0
79-01-6	Trichloroethene	4.4		0.010	1.0
75-01-4	Vinyl chloride	4.4		0.010	1.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW6R

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033124

Level: (low/med) Lab File ID: 2091209j4997

% Moisture: not dec. Date Collected: 12/04/09 Time: 0950

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/05/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1604

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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

3/31/10 MJR

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW6R

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033124

Level: (low/med)

Lab File ID: 2091209j4997

% Moisture: not dec.

Date Collected: 12/04/09 Time: 0950

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

Date Received: 12/05/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 1604

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423134

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-GW6R

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033124

Sample wt/vol: Units: Lab File ID: 2091209/4997T

Level: (low/med) Date Collected: 12/04/09 Time: 0950

% Moisture: not dec. Date Received: 12/05/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 1604

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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-GW07R-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033125

Level: (low/med) Lab File ID: 2091209j4998

% Moisture: not dec. Date Collected: 12/04/09 Time: 1020

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/05/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1627

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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

3/31/10

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW07R-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix (soil/water) Water

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

Lab Sample ID: 20912033125

Level (low/med)

Lab File ID: 2091209j4998

% Moisture: not dec.

Date Collected: 12/04/09 Time: 1020

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

Date Received: 12/05/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 1627

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423134

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-GW07R-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033125

Sample wt/vol: Units: Lab File ID: 2091209/4998T

Level: (low/med) Date Collected: 12/04/09 Time: 1020

% Moisture: not dec. Date Received: 12/05/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 1627

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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-1032 (GW07R)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033126

Level: (low/med) Lab File ID: 2091209j4999

% Moisture: not dec. Date Collected: 12/04/09 Time: 1020

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/05/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1650

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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

3/31/10 MSU

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1032 (GW07R)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033126

Level: (low/med) Lab File ID: 2091209j4999

% Moisture: not dec. Date Collected: 12/04/09 Time: 1020

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/05/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1650

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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-1032 (GW07R)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033126

Sample wt/vol: Units: Lab File ID: 2091209j4999T

Level: (low/med) Date Collected: 12/04/09 Time: 1020

% Moisture: not dec. Date Received: 12/05/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 1650

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

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

Lab Sample ID: 20912033133

Level: (low/med)

Lab File ID: 2091209/j5000

% Moisture: not dec.

Date Collected: 12/04/09 Time: 0000

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

Date Received: 12/05/09

Instrument ID: HP 5971 GC

Date Analyzed: 12/09/09 Time: 1714

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 423134

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

3/31/10 MSC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20912033133

Level: (low/med) Lab File ID: 2091209j5000

% Moisture: not dec. Date Collected: 12/04/09 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm) Date Received: 12/05/09

Instrument ID: HP 5971 GC Date Analyzed: 12/09/09 Time: 1714

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 423134

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-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: Water Lab Sample ID: 20912033133

Sample wt/vol: Units: Lab File ID: 2091209/j5000T

Level: (low/med) Date Collected: 12/04/09 Time: 0000

% Moisture: not dec. Date Received: 12/05/09

GC Column: RTX-VMS-30 ID: .25 (mm) Date Analyzed: 12/09/09 Time: 1714

Instrument ID: HP 5971 GC Dilution Factor: 1 Analyst: RJU

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 209120331
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-GW64-1032
Contract:
Lab File ID: 2091208/d7376
Lab Sample ID: 20912033102
Date Collected: 12/02/09 Time: 1040
Date Received: 12/03/09
Date Extracted: 12/04/09
Date Analyzed: 12/08/09 Time: 1155
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV4
Prep Batch: 422933 Analytical Batch: 423037

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-GW64-1032

Contract:

Lab File ID: 2091208/d7376

Lab Sample ID: 20912033102

Date Collected: 12/02/09 Time: 1040

Date Received: 12/03/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1155

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW64-1032

Contract:

Lab File ID: 2091208/d7376

Lab Sample ID: 20912033102

Date Collected: 12/02/09 Time: 1040

Date Received: 12/03/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1155

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

CONCENTRATION UNITS: ug/L

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

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 209120331
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-GW64-1032
Contract:
Lab File ID: 2091208/d7376
Lab Sample ID: 20912033102
Date Collected: 12/02/09 Time: 1040
Date Received: 12/03/09
Date Extracted: 12/4/09
Date Analyzed: 12/08/09 Time: 1155
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV4

Number TICs Found : 7

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.44	1.78	
2.	593-71-5	Chloroiodomethane	.478	3.73	
3.		Unknown	.783	1.02	
4.		Unknown	.799	2.47	
5.	594-04-7	Dichloroiodomethane	.825	1.11	
6.		Unknown	1.205	.814	
7.		Unknown	1.606	.908	

FORM I SV-TIC

3/31/10 MJCL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-GW63-1032

Contract:

Lab File ID: 2091208/d7377

Lab Sample ID: 20912033103

Date Collected: 12/02/09 Time: 1325

Date Received: 12/03/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1210

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120331

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-GW63-1032

Contract:

Lab File ID: 2091208/d7377

Lab Sample ID: 20912033103

Date Collected: 12/02/09 Time: 1325

Date Received: 12/03/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1210

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-GW63-1032

Contract:

Lab File ID: 2091208/d7377

Lab Sample ID: 20912033103

Date Collected: 12/02/09 Time: 1325

Date Received: 12/03/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1210

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120331
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-GW63-1032
Contract:
Lab File ID: 2091208/d7377
Lab Sample ID: 20912033103
Date Collected: 12/02/09 Time: 1325
Date Received: 12/03/09
Date Extracted: 12/4/09
Date Analyzed: 12/08/09 Time: 1210
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2SVOA
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV4

Number TICs Found : 7

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.681	4.58	
2.		Unknown	.75	.88	
3.		Unknown	.799	5.81	
4.		Unknown	2.227	2.46	
5.		Unknown	4.596	1.28	
6.	10544-50-0	Sulfur, mol. (S8)	4.842	1.27	
7.		Unknown	5.072	1.14	

FORM I SV-TIC

3/3/10 MSU

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW62A-1032

Contract:

Lab File ID: 2091209/d7393

Lab Sample ID: 20912033104

Date Collected: 12/02/09 Time: 1345

Date Received: 12/03/09

Date Extracted: 12/08/09

Date Analyzed: 12/09/09 Time: 1310

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW62A-1032

Contract:

Lab File ID: 2091209/d7393

Lab Sample ID: 20912033104

Date Collected: 12/02/09 Time: 1345

Date Received: 12/03/09

Date Extracted: 12/08/09

Date Analyzed: 12/09/09 Time: 1310

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW62A-1032

Contract:

Lab File ID: 2091209/d7393

Lab Sample ID: 20912033104

Date Collected: 12/02/09 Time: 1345

Date Received: 12/03/09

Date Extracted: 12/08/09

Date Analyzed: 12/09/09 Time: 1310

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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.: 209120331
Matrix: Water
Sample wt/vol: 990 Units: ml
Level: (low/med) LOW
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW62A-1032
Contract:
Lab File ID: 2091209/d7393
Lab Sample ID: 20912033104
Date Collected: 12/02/09 Time: 1345
Date Received: 12/03/09
Date Extracted: 12/8/09
Date Analyzed: 12/09/09 Time: 1310
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLM04.2
Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.44	1.34	
2.		Unknown	.783	1.05	
3.		Unknown	.799	1.55	
4.	640-61-9	Benzenesulfonamide, N,4-dimethyl	3.853	.543	
5.	57-10-3	Hexadecanoic acid	4.596	.788	
6.		Unknown	4.842	.646	
7.		Unknown	5.072	.631	
8.		Unknown	6.426	2.69	

FORM I SV-TIC

3/31/10 MSA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW61-1032

Contract:

Lab File ID: 2091208/d7379

Lab Sample ID: 20912033111

Date Collected: 12/03/09 Time: 1005

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1241

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW61-1032

Contract:

Lab File ID: 2091208/d7379

Lab Sample ID: 20912033111

Date Collected: 12/03/09 Time: 1005

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1241

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

CONCENTRATION UNITS: ug/L

Prep Batch: 422933 Analytical Batch: 423037

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW61-1032

Contract:

Lab File ID: 2091208/d7379

Lab Sample ID: 20912033111

Date Collected: 12/03/09 Time: 1005

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1241

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

CONCENTRATION UNITS: ug/L

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

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 209120331
Matrix: Water
Sample wt/vol: 990 Units: mL
Level: (low/med) LOW
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW61-1032
Contract:
Lab File ID: 2091208/d7379
Lab Sample ID: 20912033111
Date Collected: 12/03/09 Time: 1005
Date Received: 12/04/09
Date Extracted: 12/4/09
Date Analyzed: 12/08/09 Time: 1241
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 : 11

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	123-91-1	1,4-Dioxane	.44	25.9	
2.	115-28-6	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxyli	4.671	126	
3.	10544-50-0	Sulfur, mol. (S8)	4.842	17.6	
4.		Unknown	.686	15.3	
5.		Unknown	.799	15.3	
6.		Unknown	1.264	6.48	
7.		Unknown	1.446	39.1	
8.		Unknown	2.596	8.75	
9.		Unknown	2.649	4.42	
10.		Unknown	3.35	4.71	
11.		Unknown	4.521	12.4	

FORM I SV-TIC

3/31/10 MSW

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-GW60-1032

Contract:

Lab File ID: 2091208/d7380

Lab Sample ID: 20912033112

Date Collected: 12/03/09 Time: 1030

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1256

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120331
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:

Sample ID: SK-GW60-1032
Contract:
Lab File ID: 2091208/d7380
Lab Sample ID: 20912033112
Date Collected: 12/03/09 Time: 1030
Date Received: 12/04/09
Date Extracted: 12/04/09
Date Analyzed: 12/08/09 Time: 1256
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV4
Prep Batch: 422933 Analytical Batch: 423037

CONCENTRATION UNITS: ug/L

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-GW60-1032

Contract:

Lab File ID: 2091208/d7380

Lab Sample ID: 20912033112

Date Collected: 12/03/09 Time: 1030

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1256

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120331
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-GW60-1032
Contract:
Lab File ID: 2091208/d7380
Lab Sample ID: 20912033112
Date Collected: 12/03/09 Time: 1030
Date Received: 12/04/09
Date Extracted: 12/4/09
Date Analyzed: 12/08/09 Time: 1256
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM 4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLMO 4.2
Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.686	9.9	
2.		Unknown	.783	1.05	
3.		Unknown	.804	10.9	
4.		Unknown	.863	.741	
5.		Unknown	1.275	.668	
6.		Unknown	1.307	1.29	
7.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.868	.457	
8.		Unknown	4.596	.48	

FORM I SV-TIC

3/31/10
MSK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW59-1032

Contract:

Lab File ID: 2091208/d7381

Lab Sample ID: 20912033113

Date Collected: 12/03/09 Time: 1250

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1312

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW59-1032

Contract:

Lab File ID: 2091208/d7381

Lab Sample ID: 20912033113

Date Collected: 12/03/09 Time: 1250

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1312

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW59-1032

Contract:

Lab File ID: 2091208/d7381

Lab Sample ID: 20912033113

Date Collected: 12/03/09 Time: 1250

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1312

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: not dec.

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW59-1032

Contract:

Lab File ID: 2091208/d7381

Lab Sample ID: 20912033113

Date Collected: 12/03/09 Time: 1250

Date Received: 12/04/09

Date Extracted: 12/4/09

Date Analyzed: 12/08/09 Time: 1312

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2SVOA

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

Instrument ID: MSSV4

Number TICs Found : 7

CONCENTRATION UNITS: ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.44	1.04	
2.		Unknown	.638	.924	
3.		Unknown	.681	7.41	
4.		Unknown	.75	.47	
5.		Unknown	.799	8.7	
6.	398-23-2	1,1'-Biphenyl, 4,4'-difluoro-	2.863	.429	
7.		Unknown	4.596	.441	

FORM I SV-TIC

3/31/10 MSR

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-1032 (GW59)

Contract:

Lab File ID: 2091208/d7382

Lab Sample ID: 20912033114

Date Collected: 12/03/09 Time: 1255

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1327

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120331

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-1032 (GW59)

Contract:

Lab File ID: 2091208/d7382

Lab Sample ID: 20912033114

Date Collected: 12/03/09 Time: 1255

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1327

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	1	J	0.01	10
101-55-3	4-Bromophenyl-phenylether	10	U	0.01	10
85-68-7	Butylbenzylphthalate	10	U	0.01	10
86-74-8	Carbazole	10	U	0.01	10
218-01-9	Chrysene	10	U	0.01	10
84-74-2	Di-n-butylphthalate	10	U	0.01	10
117-84-0	Di-n-octylphthalate	10	U	0.01	10
53-70-3	Dibenz(a,h)anthracene	10	U	0.01	10
132-64-9	Dibenzofuran	10	U	0.01	10
84-66-2	Diethylphthalate	10	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
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.: 209120331

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-1032 (GW59)

Contract:

Lab File ID: 2091208/d7382

Lab Sample ID: 20912033114

Date Collected: 12/03/09 Time: 1255

Date Received: 12/04/09

Date Extracted: 12/04/09

Date Analyzed: 12/08/09 Time: 1327

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422933 Analytical Batch: 423037

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.: 209120331
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-1032 (GW59)
Contract:
Lab File ID: 2091208/d7382
Lab Sample ID: 20912033114
Date Collected: 12/03/09 Time: 1255
Date Received: 12/04/09
Date Extracted: 12/4/09
Date Analyzed: 12/08/09 Time: 1327
Dilution Factor: 1 Analyst: KCB
Prep Method: OLM4.2 SVOA
Analytical Method: ~~SW-846 8270C~~ OLMO 4.2
Instrument ID: MSSV4

Number TICs Found : 5

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.44	1.35	
2.		Unknown	.686	31.9	
3.		Unknown	.799	33	
4.		Unknown	4.596	.597	
5.		Unknown	5.072	.565	

FORM I SV-TIC

3/31/10
MSK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-GW58-1032

Contract:

Lab File ID: 2091209/d7387

Lab Sample ID: 20912033120

Date Collected: 12/04/09 Time: 0845

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1137

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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.: 209120331

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-GW58-1032

Contract:

Lab File ID: 2091209/d7387

Lab Sample ID: 20912033120

Date Collected: 12/04/09 Time: 0845

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1137

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-GW58-1032

Contract:

Lab File ID: 2091209/d7387

Lab Sample ID: 20912033120

Date Collected: 12/04/09 Time: 0845

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1137

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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.: 209120331
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-GW58-1032
Contract:
Lab File ID: 2091209/d7387
Lab Sample ID: 20912033120
Date Collected: 12/04/09 Time: 0845
Date Received: 12/05/09
Date Extracted: 12/7/09
Date Analyzed: 12/09/09 Time: 1137
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 : 8

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.681	2.73	
2.		Unknown	.799	3.55	
3.		Unknown	1.307	.462	
4.		Unknown	2.863	.441	
5.	640-61-9	Benzenesulfonamide, N,4-dimethyl	3.853	.415	
6.		Unknown	4.596	.286	
7.		Unknown	5.072	.378	
8.		Unknown	6.714	.615	

FORM I SV-TIC

3/31/10 MSL

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-1032(GW58)

Contract:

Lab File ID: 2091209/d7388

Lab Sample ID: 20912033121

Date Collected: 12/04/09 Time: 0845

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1153

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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	34		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	54		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	57		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	39		0.01	10
208-96-8	Acenaphthylene	10	U	0.01	10
120-12-7	Anthracene	10	U	0.01	10
56-55-3	Benzo(a)anthracene	10	U	0.01	10
50-32-8	Benzo(a)pyrene	10	U	0.01	10
205-99-2	Benzo(b)fluoranthene	10	U	0.01	10
191-24-2	Benzo(g,h,i)perylene	10	U	0.01	10
207-08-9	Benzo(k)fluoranthene	10	U	0.01	10
111-91-1	Bis(2-Chloroethoxy)methane	10	U	0.01	10
111-44-4	Bis(2-Chloroethyl)ether	10	U	0.01	10
108-60-1	bis(2-Chloroisopropyl)ether	10	U	0.01	10

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-1032(GW58)

Contract:

Lab File ID: 2091209/d7388

Lab Sample ID: 20912033121

Date Collected: 12/04/09 Time: 0845

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1153

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	53		0.01	25
87-86-5	Pentachlorophenol	59		0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	50		0.01	10
129-00-0	Pyrene	44		0.01	10
621-64-7	N-Nitroso-di-n-propylamine	36		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.: 209120331

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-1032(GW58)

Contract:

Lab File ID: 2091209/d7388

Lab Sample ID: 20912033121

Date Collected: 12/04/09 Time: 0845

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1153

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-MSD-1032(GW58)

Contract:

Lab File ID: 2091209/d7389

Lab Sample ID: 20912033122

Date Collected: 12/04/09 Time: 0845

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1208

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

CONCENTRATION UNITS: ug/L

Prep Batch: 422977 Analytical Batch: 423128

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	41		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	54		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	61		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.: 209120331

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-1032(GW58)

Contract:

Lab File ID: 2091209/d7389

Lab Sample ID: 20912033122

Date Collected: 12/04/09 Time: 0845

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1208

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	66		0.01	25
87-86-5	Pentachlorophenol	66		0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	52		0.01	10
129-00-0	Pyrene	41		0.01	10
621-64-7	N-Nitroso-di-n-propylamine	36		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.: 209120331

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-1032(GW58)

Contract:

Lab File ID: 2091209/d7389

Lab Sample ID: 20912033122

Date Collected: 12/04/09 Time: 0845

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1208

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW6R

Contract:

Lab File ID: 2091209/d7390

Lab Sample ID: 20912033124

Date Collected: 12/04/09 Time: 0950

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1223

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW6R

Contract:

Lab File ID: 2091209/d7390

Lab Sample ID: 20912033124

Date Collected: 12/04/09 Time: 0950

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1223

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

CONCENTRATION UNITS: ug/L

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

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW6R

Contract:

Lab File ID: 2091209/d7390

Lab Sample ID: 20912033124

Date Collected: 12/04/09 Time: 0950

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1223

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: not dec.

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW6R

Contract:

Lab File ID: 2091209/d7390

Lab Sample ID: 20912033124

Date Collected: 12/04/09 Time: 0950

Date Received: 12/05/09

Date Extracted: 12/7/09

Date Analyzed: 12/09/09 Time: 1223

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	.419	13.5	
2.	10544-50-0	Sulfur, mol. (S8)	4.842	12.7	
3.		Unknown	.799	4.12	
4.		Unknown	2.146	130	
5.		Unknown	2.473	9.41	
6.		Unknown	2.537	7.02	
7.		Unknown	2.601	15.2	
8.		Unknown	2.628	9.14	
9.		Unknown	3.43	3.28	
10.		Unknown	3.553	4.09	

FORM I SV-TIC

3/31/10 MK

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW07R-1032

Contract:

Lab File ID: 2091209/d7391

Lab Sample ID: 20912033125

Date Collected: 12/04/09 Time: 1020

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1239

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW07R-1032

Contract:

Lab File ID: 2091209/d7391

Lab Sample ID: 20912033125

Date Collected: 12/04/09 Time: 1020

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1239

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW07R-1032

Contract:

Lab File ID: 2091209/d7391

Lab Sample ID: 20912033125

Date Collected: 12/04/09 Time: 1020

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1239

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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.: 209120331
Matrix: Water
Sample wt/vol: 910 Units: mL
Level: (low/med) LOW
% Moisture: not dec.
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW07R-1032
Contract:
Lab File ID: 2091209/d7391
Lab Sample ID: 20912033125
Date Collected: 12/04/09 Time: 1020
Date Received: 12/05/09
Date Extracted: 12/7/09
Date Analyzed: 12/09/09 Time: 1239
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	.681	6.32	
2.		Unknown	.799	6.84	
3.		Unknown	1.269	.82	
4.		Unknown	1.307	1.49	
5.		Unknown	2.034	6.57	
6.		Unknown	2.468	.386	
7.		Unknown	2.558	.724	
8.		Unknown	2.863	.428	
9.	10544-50-0	Sulfur, mol. (S8)	4.842	5.51	

3/31/10

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-1032 (GW07R)

Contract:

Lab File ID: 2091209/d7392

Lab Sample ID: 20912033126

Date Collected: 12/04/09 Time: 1020

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1255

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-1032 (GW07R)

Contract:

Lab File ID: 2091209/d7392

Lab Sample ID: 20912033126

Date Collected: 12/04/09 Time: 1020

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1255

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

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	U	0.01	10
131-11-3	Dimethyl-phthalate	10	U	0.01	10
105-67-9	2,4-Dimethylphenol	10	U	0.01	10
206-44-0	Fluoranthene	10	U	0.01	10
86-73-7	Fluorene	10	U	0.01	10
118-74-1	Hexachlorobenzene	10	U	0.01	10
87-68-3	Hexachlorobutadiene	10	U	0.01	10
77-47-4	Hexachlorocyclopentadiene	10	U	0.01	10
67-72-1	Hexachloroethane	10	U	0.01	10
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.01	10
78-59-1	Isophorone	10	U	0.01	10
91-20-3	Naphthalene	10	U	0.01	10
100-01-6	4-Nitroaniline	25	U	0.01	25
98-95-3	Nitrobenzene	10	U	0.01	10
100-02-7	4-Nitrophenol	25	U	0.01	25
87-86-5	Pentachlorophenol	25	U	0.01	25
85-01-8	Phenanthrene	10	U	0.01	10
108-95-2	Phenol	10	U	0.01	10
129-00-0	Pyrene	10	U	0.01	10
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.01	10

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-FD-1032 (GW07R)

Contract:

Lab File ID: 2091209/d7392

Lab Sample ID: 20912033126

Date Collected: 12/04/09 Time: 1020

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/09/09 Time: 1255

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV4

Prep Batch: 422977 Analytical Batch: 423128

CONCENTRATION UNITS: ug/L

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

FORM I SV-1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 209120331

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-1032 (GW07R)

Contract:

Lab File ID: 2091209/d7392

Lab Sample ID: 20912033126

Date Collected: 12/04/09 Time: 1020

Date Received: 12/05/09

Date Extracted: 12/7/09

Date Analyzed: 12/09/09 Time: 1255

Dilution Factor: 1 Analyst: KCB

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV4

Number TICs Found : 8

CONCENTRATION UNITS:ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.		Unknown	.799	4.51	
2.		Unknown	1.269	.735	
3.		Unknown	1.307	1.74	
4.		Unknown	2.863	.405	
5.		Unknown	4.596	1.25	
6.	10544-50-0	Sulfur, mol. (S8)	4.842	3.74	
7.		Unknown	5.072	1.03	
8.		Unknown	6.425	2.26	

3/31/10 MSR

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: 422944 Analytical Batch: 423688

Sample ID: SK-GW64-1032
Contract:
SAS No.: SDG No.: 209120331
Lab Sample ID: 20912033102
Date Collected: 12/02/09 Time: 1040
Date Received: 12/03/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1227
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: 2091217p/sv18a010

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

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 980 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 422944 Analytical Batch: 423688

Sample ID: SK-GW63-1032
Contract:
SAS No.: SDG No.: 209120331
Lab Sample ID: 20912033103
Date Collected: 12/02/09 Time: 1325
Date Received: 12/03/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1245
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: 2091217p/sv18a011

CONCENTRATION UNITS: ug/L

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

FORM I ORG-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 422944 Analytical Batch: 423688

Sample ID: SK-GW62A-1032

Contract:

SAS No.: SDG No.: 209120331

Lab Sample ID: 20912033104

Date Collected: 12/02/09 Time: 1345

Date Received: 12/03/09

Date Extracted: 12/07/09

Date Analyzed: 12/17/09 Time: 1303

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: 2091217p/sv18a012

CONCENTRATION UNITS: ug/L

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

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: 422944 Analytical Batch: 423688

Sample ID: SK-GW61-1032
Contract:
SAS No.: SDG No.: 209120331
Lab Sample ID: 20912033111
Date Collected: 12/03/09 Time: 1005
Date Received: 12/04/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1532
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: 2091217p/sv18a016

CONCENTRATION UNITS: ug/L

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

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: 422944 Analytical Batch: 423688

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW60-1032

Contract:

SAS No.: SDG No.: 209120331

Lab Sample ID: 20912033112

Date Collected: 12/03/09 Time: 1030

Date Received: 12/04/09

Date Extracted: 12/07/09

Date Analyzed: 12/17/09 Time: 1550

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: 2091217p/sv18a017

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

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 422944 Analytical Batch: 423688

Sample ID: SK-GW59-1032
Contract:
SAS No.: SDG No.: 209120331
Lab Sample ID: 20912033113
Date Collected: 12/03/09 Time: 1250
Date Received: 12/04/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1609
Dilution Factor: 1 Analyst: DLB
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

CONCENTRATION UNITS: ug/L
Lab File ID: 2091217p/sv18a018

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

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 422944 Analytical Batch: 423688

Sample ID: SK-FD-1032 (GW59)
Contract:
SAS No.: SDG No.: 209120331
Lab Sample ID: 20912033114
Date Collected: 12/03/09 Time: 1255
Date Received: 12/04/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1626
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: 2091217p/sv18a019

CONCENTRATION UNITS: ug/L

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

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 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: 422944 Analytical Batch: 423688

Sample ID: SK-GW58-1032
Contract:
SAS No.: SDG No.: 209120331
Lab Sample ID: 20912033120
Date Collected: 12/04/09 Time: 0845
Date Received: 12/05/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1644
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: 2091217p/sv18a020

CONCENTRATION UNITS: ug/L

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

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 990 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 422944 Analytical Batch: 423688

Sample ID: SK-MS-1032(GW58)
Contract:
SAS No.: SDG No.: 209120331
Lab Sample ID: 20912033121
Date Collected: 12/04/09 Time: 0845
Date Received: 12/05/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1702
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: 2091217p/sv18a021

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.011	J	0.000101	0.101
72-55-9	4,4'-DDE	0.063	J	0.000101	0.101
50-29-3	4,4'-DDT	0.409	E	0.000101	0.101
309-00-2	Aldrin	0.286	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	0.361	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	0.426	E	0.000101	0.101
7421-93-4	Endrin aldehyde	0.00272	J	0.000101	0.101
53494-70-5	Endrin ketone	0.00927	J	0.000101	0.101
76-44-8	Heptachlor	0.298	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)	0.233	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: 422944 Analytical Batch: 423688

Sample ID: SK-MSD-1032(GW58)
Contract:
SAS No.: SDG No.: 209120331
Lab Sample ID: 20912033122
Date Collected: 12/04/09 Time: 0845
Date Received: 12/05/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1720
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: 2091217p/sv18a022

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.011	J	0.000101	0.101
72-55-9	4,4'-DDE	0.043	J	0.000101	0.101
50-29-3	4,4'-DDT	0.367	E	0.000101	0.101
309-00-2	Aldrin	0.244	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	0.328	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	0.386	E	0.000101	0.101
7421-93-4	Endrin aldehyde	0.00390	J	0.000101	0.101
53494-70-5	Endrin ketone	0.00690	J	0.000101	0.101
76-44-8	Heptachlor	0.250	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)	0.170	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: 422944 Analytical Batch: 423688

Sample ID: SK-GW6R

Contract:

SAS No.: SDG No.: 209120331

Lab Sample ID: 20912033124

Date Collected: 12/04/09 Time: 0950

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/17/09 Time: 1738

Dilution Factor: 1 Analyst: DLB

Prep Method: OLM4.2 PEST/PCB

Analytical Method: OLMO 4.2

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

CONCENTRATION UNITS: ug/L

Lab File ID: 2091217p/sv18a023

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

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: 422944 Analytical Batch: 423688

Sample ID: SK-GW07R-1032
Contract:
SAS No.: SDG No.: 209120331
Lab Sample ID: 20912033125
Date Collected: 12/04/09 Time: 1020
Date Received: 12/05/09
Date Extracted: 12/07/09
Date Analyzed: 12/17/09 Time: 1756
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: 2091217p/sv18a024

CONCENTRATION UNITS: ug/L

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

FORM I ORG-1

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 1000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 422944 Analytical Batch: 423688

Sample ID: SK-FD-1032 (GW07R)

Contract:

SAS No.: SDG No.: 209120331

Lab Sample ID: 20912033126

Date Collected: 12/04/09 Time: 1020

Date Received: 12/05/09

Date Extracted: 12/07/09

Date Analyzed: 12/17/09 Time: 1814

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: 2091217p/sv18a025

CONCENTRATION UNITS: ug/L

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

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW65-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033101

Level: (low / med) Date Received: 12/03/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3450			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	35.5	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	1.2	B		P	
7440-70-2	Calcium	208000			P	
7440-47-3	Chromium	7.2	B		P	
7440-48-4	Cobalt	3.3	B		P	
7440-50-8	Copper	18.1	B		P	
7439-89-6	Iron	9320			P	
7439-92-1	Lead	9.3			P	J
7439-95-4	Magnesium	135000			P	
7439-96-5	Manganese	293			P	
7439-97-6	Mercury	0.2			AV	
7440-02-0	Nickel	9.9	B		P	
7440-09-7	Potassium	5810			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	32500			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	14.1	B		P	
7440-66-6	Zinc	16.4	B		P	

Color Before: LT BRWN Clarity Before: CLEAR Texture:

Color After: LT BRWN Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW64-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033102

Level: (low / med) Date Received: 12/03/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	536			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	44.1	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.3	B		P	
7440-70-2	Calcium	178000			P	
7440-47-3	Chromium	3.6	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	7.9	B		P	
7439-89-6	Iron	1250			P	
7439-92-1	Lead	4.1			P	J
7439-95-4	Magnesium	52800			P	
7439-96-5	Manganese	233			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.6	B		P	
7440-09-7	Potassium	6700			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	33700			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	8.4	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	1.6	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-GW63-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033103

Level: (low / med) Date Received: 12/03/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	760			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	41.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.3	B		P	
7440-70-2	Calcium	231000			P	
7440-47-3	Chromium	3.2	B		P	
7440-48-4	Cobalt	1.2	B		P	
7440-50-8	Copper	9.5	B		P	
7439-89-6	Iron	1730			P	
7439-92-1	Lead	5.7			P	J
7439-95-4	Magnesium	52700			P	
7439-96-5	Manganese	705			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.9	B		P	
7440-09-7	Potassium	6610			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	33700			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.9	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	1.6	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-GW62A-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033104

Level: (low / med) Date Received: 12/03/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	625			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	113	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	1.0	B		P	
7440-70-2	Calcium	129000			P	
7440-47-3	Chromium	3.5	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	13.8	B		P	
7439-89-6	Iron	1180			P	
7439-92-1	Lead	3.6			P	J
7439-95-4	Magnesium	43400			P	
7439-96-5	Manganese	30.3			P	
7439-97-6	Mercury	0.2			AV	
7440-02-0	Nickel	1.0	B		P	
7440-09-7	Potassium	6540			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	99700			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	8.8	B		P	
7440-66-6	Zinc	4.5	B		P	
57-12-5	Cyanide	1.6	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW65-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033106

Level: (low / med) Date Received: 12/03/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	105	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	20.5	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.3	B		P	
7440-70-2	Calcium	201000			P	
7440-47-3	Chromium	6.7	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	10.6	B		P	
7439-89-6	Iron	283			P	
7439-92-1	Lead	4.8		E	P	J
7439-95-4	Magnesium	138000			P	
7439-96-5	Manganese	0.5	U		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	4930	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	33700			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	15.7	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW64-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033107

Level: (low / med) Date Received: 12/03/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	96.7	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	42.2	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	173000			P	
7440-47-3	Chromium	3.4	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	7.7	B		P	
7439-89-6	Iron	213			P	
7439-92-1	Lead	4.3		~~Z~~	P	
7439-95-4	Magnesium	52600			P	
7439-96-5	Manganese	79.3			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.1	B		P	
7440-09-7	Potassium	6390			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	33500			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	9.4	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW63-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033108

Level: (low / med) Date Received: 12/03/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	144	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	36.7	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	B		P	
7440-70-2	Calcium	224000			P	
7440-47-3	Chromium	2.7	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	8.2	B		P	
7439-89-6	Iron	120			P	
7439-92-1	Lead	1.6	U	E	P	
7439-95-4	Magnesium	52100			P	
7439-96-5	Manganese	639			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.0	B		P	
7440-09-7	Potassium	6320			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	34000			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.9	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62A-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033109

Level: (low / med) Date Received: 12/03/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	97.7	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	110	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.8	B		P	
7440-70-2	Calcium	122000			P	
7440-47-3	Chromium	2.8	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	14.4	B		P	
7439-89-6	Iron	121			P	
7439-92-1	Lead	19.9		~~E~~	P	
7439-95-4	Magnesium	43300			P	
7439-96-5	Manganese	1.8	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	6710			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	104000			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.9	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

3/31/10 MR

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW61-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033111

Level: (low / med) Date Received: 12/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	8620			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	122	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	2.3	B		P	
7440-70-2	Calcium	401000			P	
7440-47-3	Chromium	0.4	U		P	
7440-48-4	Cobalt	8.2	B		P	
7440-50-8	Copper	23.1	B		P	
7439-89-6	Iron	32900			P	
7439-92-1	Lead	16.9			P	J
7439-95-4	Magnesium	96900			P	
7439-96-5	Manganese	896			P	
7439-97-6	Mercury	0.2			AV	
7440-02-0	Nickel	23.9	B		P	
7440-09-7	Potassium	14000			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	94500			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	20.4	B		P	
7440-66-6	Zinc	55.6			P	
57-12-5	Cyanide	1.9	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW60-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033112

Level: (low / med) Date Received: 12/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	426			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	63.4	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	220000			P	
7440-47-3	Chromium	2.8	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	8.1	B		P	
7439-89-6	Iron	648			P	
7439-92-1	Lead	3.8			P	J
7439-95-4	Magnesium	47700			P	
7439-96-5	Manganese	21.5			P	
7439-97-6	Mercury	0.2	B		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	4810	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	16600			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	6.3	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	4.8	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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3/31/10 MCA

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW59-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033113

Level: (low / med) Date Received: 12/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	308			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	39.8	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	180000			P	
7440-47-3	Chromium	2.2	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	7.1	B		P	
7439-89-6	Iron	854			P	
7439-92-1	Lead	4.8			P	J
7439-95-4	Magnesium	27900			P	
7439-96-5	Manganese	36.4			P	
7439-97-6	Mercury	0.1	B		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	14100			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	54800			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	6.9	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	3.0	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1032 (GW59)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033114

Level: (low / med) Date Received: 12/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	178	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	35.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	169000			P	
7440-47-3	Chromium	2.6	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	6.0	B		P	
7439-89-6	Iron	231			P	
7439-92-1	Lead	3.8			P	J
7439-95-4	Magnesium	26900			P	
7439-96-5	Manganese	10.6	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	15100			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	51800			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.6	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	2.4	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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3/31/10 MSK

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW61-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033116

Level: (low / med) Date Received: 12/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	37.7	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	31.3	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.5	B		P	
7440-70-2	Calcium	332000			P	
7440-47-3	Chromium	3.7	B		P	
7440-48-4	Cobalt	0.8	B		P	
7440-50-8	Copper	12.4	B		P	
7439-89-6	Iron	1910			P	
7439-92-1	Lead	3.6		~~E~~	P	
7439-95-4	Magnesium	79000			P	
7439-96-5	Manganese	425			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	6.5	B		P	
7440-09-7	Potassium	12100			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	92800			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	10.8	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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3/31/10
MSCA

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW60-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033117

Level: (low / med) Date Received: 12/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	109	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	80.4	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	244000			P	
7440-47-3	Chromium	3.8	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	8.3	B		P	
7439-89-6	Iron	130			P	
7439-92-1	Lead	3.6		E	P	
7439-95-4	Magnesium	61300			P	
7439-96-5	Manganese	1.4	B		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	5020			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	19300			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	8.1	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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3/31/10 MKM

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW59-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033118

Level: (low / med) Date Received: 12/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	121	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	33.3	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	163000			P	
7440-47-3	Chromium	2.8	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	4.9	B		P	
7439-89-6	Iron	24.8	B		P	
7439-92-1	Lead	4.5		~~E~~	P	
7439-95-4	Magnesium	26500			P	
7439-96-5	Manganese	0.5	U		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	15500			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	51700			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.4	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1032 (GW59) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033119

Level: (low / med) Date Received: 12/04/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	108	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	34.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	165000			P	
7440-47-3	Chromium	2.1	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	7.0	B		P	
7439-89-6	Iron	36.7	B		P	
7439-92-1	Lead	2.8	B	~~E~~	P	
7439-95-4	Magnesium	27000			P	
7439-96-5	Manganese	0.5	U		P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	15500			P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	51400			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.3	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW58-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033120

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1230			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	124	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.7	B		P	
7440-70-2	Calcium	109000			P	
7440-47-3	Chromium	2.6	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	6.9	B		P	
7439-89-6	Iron	2750			P	
7439-92-1	Lead	3.7			P	J
7439-95-4	Magnesium	32000			P	
7439-96-5	Manganese	78.9			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.6	B		P	
7440-09-7	Potassium	3530	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	24300			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	8.2	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	1.6	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-MS-1032(GW58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033121

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3380			P	
7440-36-0	Antimony	95.7			P	
7440-38-2	Arsenic	28.2		N	P	J
7440-39-3	Barium	2090			P	
7440-41-7	Beryllium	50.2			P	
7440-43-9	Cadmium	49.2			P	
7440-70-2	Calcium	110000			P	
7440-47-3	Chromium	200			P	
7440-48-4	Cobalt	463			P	
7440-50-8	Copper	243			P	
7439-89-6	Iron	3760			P	
7439-92-1	Lead	28.1			P	J
7439-95-4	Magnesium	32000			P	
7439-96-5	Manganese	569			P	
7439-97-6	Mercury	5.0			AV	
7440-02-0	Nickel	476			P	
7440-09-7	Potassium	3450	B		P	
7782-49-2	Selenium	8.6			P	J
7440-22-4	Silver	45.0			P	
7440-23-5	Sodium	24100			P	
7440-28-0	Thallium	32.0		N	P	J
7440-62-2	Vanadium	493			P	
7440-66-6	Zinc	479			P	
57-12-5	Cyanide	106			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-1032(GW58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033123

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1320			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	128	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.8	B		P	
7440-70-2	Calcium	113000			P	
7440-47-3	Chromium	2.6	B		P	
7440-48-4	Cobalt	0.6	B		P	
7440-50-8	Copper	6.9	B		P	
7439-89-6	Iron	2920			P	
7439-92-1	Lead	3.1			P	J
7439-95-4	Magnesium	32900			P	
7439-96-5	Manganese	83.4			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.7	B		P	
7440-09-7	Potassium	3660	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	25200			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	6.9	B		P	
7440-66-6	Zinc	8.1	B		P	
57-12-5	Cyanide	2.1	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW6R

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033124

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	84.8	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	205			P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.4	B		P	
7440-70-2	Calcium	225000			P	
7440-47-3	Chromium	2.7	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.5	B		P	
7439-89-6	Iron	266			P	
7439-92-1	Lead	4.2			P	J
7439-95-4	Magnesium	39900			P	
7439-96-5	Manganese	27.7			P	
7439-97-6	Mercury	0.1	B		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2750	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	22700			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.7	B		P	
7440-66-6	Zinc	4.3	U		P	
57-12-5	Cyanide	1.6	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

3/31/10 MSR

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW07R-1032

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033125

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	104	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	70.3	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	236000			P	
7440-47-3	Chromium	2.7	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	6.7	B		P	
7439-89-6	Iron	527			P	
7439-92-1	Lead	5.0			P	J
7439-95-4	Magnesium	39800			P	
7439-96-5	Manganese	247			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.5	B		P	
7440-09-7	Potassium	1290	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	20000			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	8.4	B		P	
7440-66-6	Zinc	10.6	B		P	
57-12-5	Cyanide	5.3	B		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1032 (GW07R)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033126

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	228			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	87.8	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	246000			P	
7440-47-3	Chromium	2.6	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	8.2	B		P	
7439-89-6	Iron	638			P	
7439-92-1	Lead	4.4			P	J
7439-95-4	Magnesium	41300			P	
7439-96-5	Manganese	147			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	1.2	B		P	
7440-09-7	Potassium	1290	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	21500			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	8.2	B		P	
7440-66-6	Zinc	6.9	B		P	
57-12-5	Cyanide	5.8	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-GW58-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033127

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	419			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	113	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.4	B		P	
7440-70-2	Calcium	100000			P	
7440-47-3	Chromium	2.1	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.2	B		P	
7439-89-6	Iron	9.3	B		P	
7439-92-1	Lead	2.8	B	~~E~~	P	
7439-95-4	Magnesium	31800			P	
7439-96-5	Manganese	26.2			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3820	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	29200			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	6.3	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-MS-1032 (GW58) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033128

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2500			P	
7440-36-0	Antimony	95.1			P	
7440-38-2	Arsenic	25.3		N	P	J
7440-39-3	Barium	2020			P	
7440-41-7	Beryllium	48.9			P	
7440-43-9	Cadmium	47.4			P	
7440-70-2	Calcium	100000			P	
7440-47-3	Chromium	195			P	
7440-48-4	Cobalt	463			P	
7440-50-8	Copper	240			P	
7439-89-6	Iron	1080			P	
7439-92-1	Lead	24.5		~~E~~	P	
7439-95-4	Magnesium	32000			P	
7439-96-5	Manganese	510			P	
7439-97-6	Mercury	4.7			AV	
7440-02-0	Nickel	470			P	
7440-09-7	Potassium	3800	B		P	
7782-49-2	Selenium	9.0			P	J
7440-22-4	Silver	43.6			P	
7440-23-5	Sodium	29400			P	
7440-28-0	Thallium	28.9		N	P	J
7440-62-2	Vanadium	479			P	
7440-66-6	Zinc	467			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-1032 (GW58) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033129

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	353			P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	112	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.4	B		P	
7440-70-2	Calcium	98000			P	
7440-47-3	Chromium	2.2	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.1	B		P	
7439-89-6	Iron	10.7	B		P	
7439-92-1	Lead	3.9		E	P	
7439-95-4	Magnesium	30700			P	
7439-96-5	Manganese	25.3			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	3760	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	28900			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	5.7	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW6R (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033130

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	75.8	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	188	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.4	B		P	
7440-70-2	Calcium	210000			P	
7440-47-3	Chromium	2.2	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.6	B		P	
7439-89-6	Iron	86.6	B		P	
7439-92-1	Lead	4.9		~~E~~	P	
7439-95-4	Magnesium	37200			P	
7439-96-5	Manganese	22.2			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.4	U		P	
7440-09-7	Potassium	2510	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	20800			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	7.5	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW07R-1032 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033131

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	143	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	67.2	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	228000			P	
7440-47-3	Chromium	2.7	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.8	B		P	
7439-89-6	Iron	9.4	B		P	
7439-92-1	Lead	3.6		~~E~~	P	
7439-95-4	Magnesium	39000			P	
7439-96-5	Manganese	236			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.9	B		P	
7440-09-7	Potassium	1210	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	19600			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	8.7	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1032 (GW07R) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 209120331

Matrix: (soil / water) Water Lab Sample ID: 20912033132

Level: (low / med) Date Received: 12/05/09

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	170	B		P	
7440-36-0	Antimony	4.8	U		P	
7440-38-2	Arsenic	3.6	U	N	P	UJ
7440-39-3	Barium	63.0	B		P	
7440-41-7	Beryllium	2.3	U		P	
7440-43-9	Cadmium	0.2	U		P	
7440-70-2	Calcium	216000			P	
7440-47-3	Chromium	2.2	B		P	
7440-48-4	Cobalt	0.5	U		P	
7440-50-8	Copper	5.4	B		P	
7439-89-6	Iron	18.0	B		P	
7439-92-1	Lead	3.5		~~E~~	P	
7439-95-4	Magnesium	36500			P	
7439-96-5	Manganese	225			P	
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	0.7	B		P	
7440-09-7	Potassium	1180	B		P	
7782-49-2	Selenium	3.3	U		P	
7440-22-4	Silver	0.5	U		P	
7440-23-5	Sodium	18800			P	
7440-28-0	Thallium	1.5	U	N	P	UJ
7440-62-2	Vanadium	6.4	B		P	
7440-66-6	Zinc	4.3	U		P	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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APPENDIX D

APPENDIX D

PHOTOGRAPHS

AECOM

AECOM

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Skinner Landfill Site Group	Skinner Landfill 8750 Cincinnati Dayton Rd. West Chester, OH 45069	60134280/60150390

Photo No.	Date:
1	10/19/09

Direction Photo Taken:

South

Description:

View of pump enclosure and water well

Photo No.	Date:
2	10/19/09

Direction Photo Taken:

West - Down

Description:

View inside subgrade pump enclosure left open by semi-permanent inhabitants during installation/servicing of pump/water well connection

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PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Skinner Landfill Site Group	Skinner Landfill 8750 Cincinnati Dayton Rd. West Chester, OH 45069	60134280/60150390

Photo No.	Date:
3	11/12/09

Direction Photo Taken:

South

Description:

View of semi-permanent accommodations of inhabitants apparently utilizing groundwater

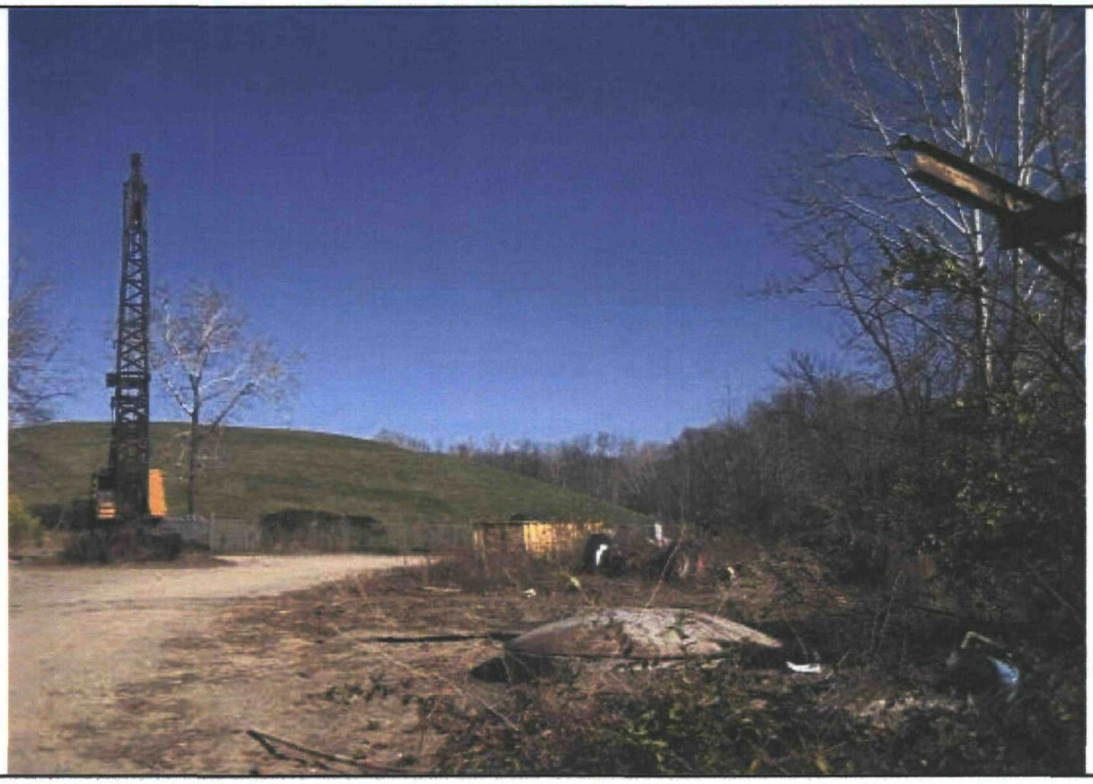
Photo No.	Date:
4	11/12/09

Direction Photo Taken:

Northeast

Description:

View of southwest corner of fenced landfill and GW-58 from covered subgrade pump enclosure



AECOM

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Skinner Landfill Site Group	Skinner Landfill 8750 Cincinnati Dayton Rd. West Chester, OH 45069	60134280/60150390

Photo No.	Date:
5	11/12/09

Direction Photo Taken:

Northeast

Description:

Close-up of opened water well and closed subgrade pump enclosure.

Photo No.	Date:
6	11/12/09

Direction Photo Taken:

Northeast - down

Description:

View inside historic water well showing new drop pipe which elbows into adjacent pump located inside subgrade enclosure.

AECOM

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Skinner Landfill Site Group	Skinner Landfill 8750 Cincinnati Dayton Rd. West Chester, OH 45069	60134280/60150390

Photo No.	Date:
7	11/12/09

Direction Photo Taken:

Southeast

Description:

View of recently installed electrical wiring leading to subgrade groundwater pump.

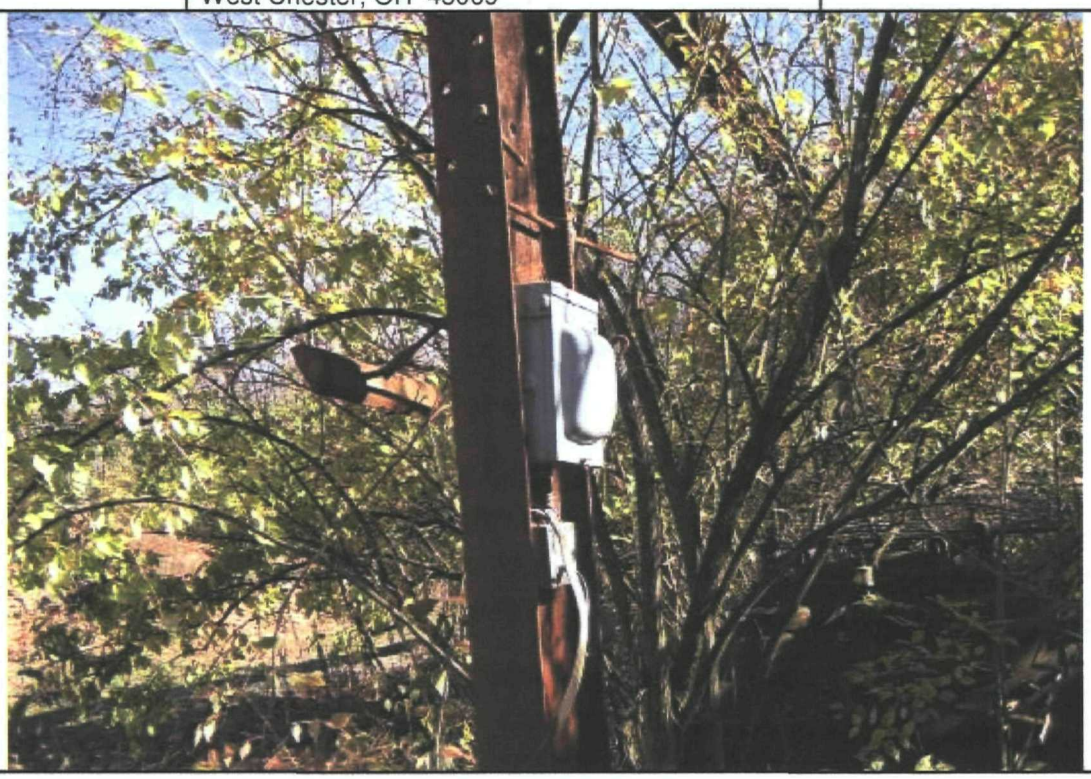


Photo No.	Date:
8	11/12/09

Direction Photo Taken:

East

Description:

View of recently installed electrical wiring leading to subgrade groundwater pump.

AECOM

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Skinner Landfill Site Group	Skinner Landfill 8750 Cincinnati Dayton Rd. West Chester, OH 45069	60134280/60150390

Photo No.	Date:
9	11/12/09

Direction Photo Taken:

Southwest

Description:

View of pump enclosure cover and water well cover with vehicle parked in front of scale house.

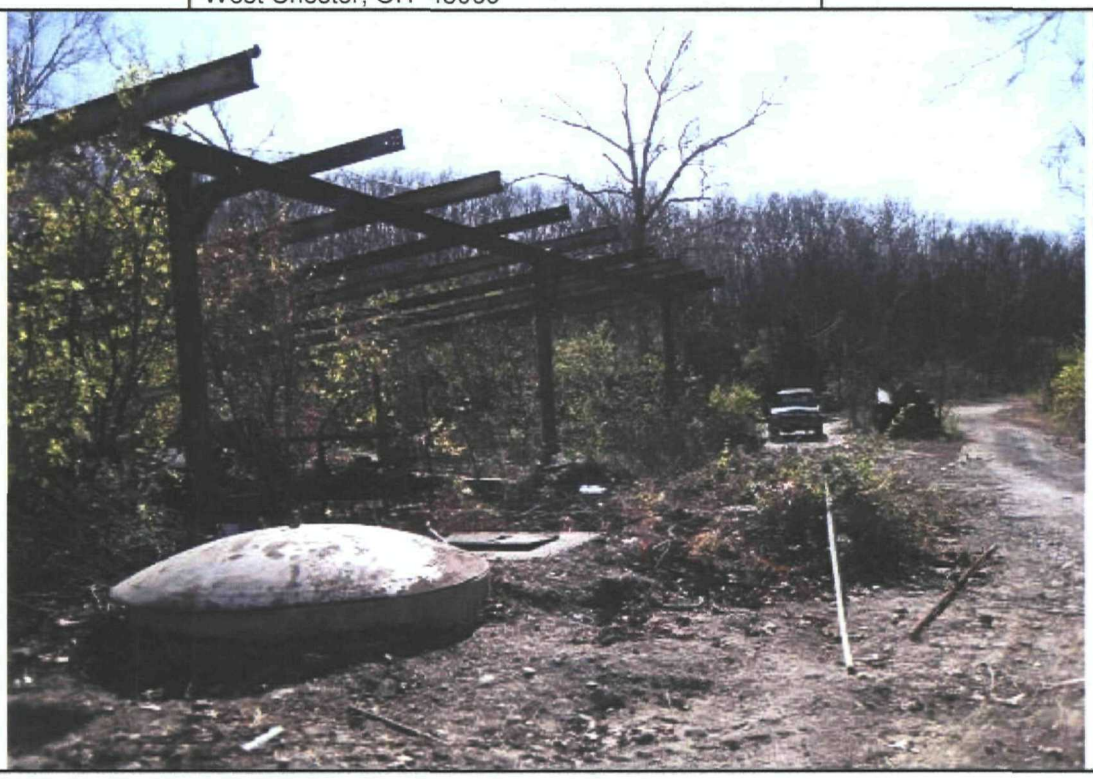


Photo No.	Date:
10	11/12/09

Direction Photo Taken:

Northeast

Description:

View of pump enclosure cover and water well cover.

AECOM

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Skinner Landfill Site Group	Skinner Landfill 8750 Cincinnati Dayton Rd. West Chester, OH 45069	60134280/60150390

Photo No.	Date:
11	12/10/09

Direction Photo Taken:

Sown

Description:

View of old drop pipe from well apparently replaced recently.

Photo No.	Date:
12	12/10/09

Direction Photo Taken:

Down

Description:

View of old drop pipe from well apparently replaced recently.

AECOM

PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Skinner Landfill Site Group	Skinner Landfill 8750 Cincinnati Dayton Rd. West Chester, OH 45069	60134280/60150390

Photo No.	Date:
13	12/10/09

Direction Photo Taken:

Southeast

Description:

View of covered subgrade pump enclosure with semi-permanent structures visible.

Photo No.	Date:
14	12/10/09

Direction Photo Taken:

South

Description:

View of semi-permanent structures.