EPA Region 5 Records Ctr.
323235

# REMEDIAL ACTION QUARTERLY MONITORING REPORT

# THIRD QUARTER – 2007 (17 of 120)

# SKINNER LANDFILL SITE BUTLER COUNTY WEST CHESTER, OHIO

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# TABLE OF CONTENTS

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**Page**

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

## FIGURES

Site Vicinity Map ..... 1

## TABLES

Groundwater Elevation Summary ..... 1
Groundwater-Waste Monitoring Summary ..... 2
Groundwater Test Results Summary ..... 3
Surface Water Test Results Summary ..... 4

## APPENDICES

**Appendix**

POTENTIONMETRIC SURFACE MAP ..... A

SUMMARY OF ANALYTICAL RESULTS ..... B

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

VALIDATED LABORATORY ANALYTICAL RESULTS ..... C

# LIST OF ACRONYMS

## LIST OF ACRONYMS

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

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

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

# 1.0 INTRODUCTION

## 1.1 GENERAL INFORMATION

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

The remedial action (RA) post-construction O&M monitoring period began with the third quarter of 2003 and extends for a period of 30 years. This report documents the results of groundwater and surface water monitoring conducted during the third quarter of 2007, which is the 17th of 120 quarterly sampling events to be conducted during the 30-year monitoring period.

## 1.2 SITE LOCATION AND DESCRIPTION

Skinner Landfill is located approximately 15 miles north of Cincinnati, Ohio near West Chester, Butler County, Ohio in Township 3, Section 22, Range 2. The site is located along Cincinnati-Dayton Road, as shown in Figure 1. The site is bordered on the south by the East Fork of Mill Creek, on the north by wooded land, on the east by a Norfolk Southern Railway Company right-of-way, and on the west by a gravel driveway.

The site is located in a highly dissected area that slopes from a till-mantled-bedrock upland to a broad, flat-bottomed valley that is occupied by the main branch of Mill Creek. Elevations on the site range from a high of nearly 800 feet above mean sea level (MSL) in the northeast, to a low of 645 feet above MSL near the confluence of Skinner Creek and East Fork of Mill Creek. Both Skinner Creek and the East Fork of Mill Creek are small, intermittent shallow streams. Both of these streams flow to the southwest from the site toward the main branch of Mill Creek.

In general, the site is underlain by relatively thin glacial drift over inter-bedded shale and limestone of Ordovician age. The composition of the glacial drift ranges from intermixed silt, sand and gravel, to silty sandy clays with a thickness ranging from zero to over forty feet. The sand and gravel deposits comprise the hills and ridges and are encountered near the surface of the central portion of the site. The silts and clays usually occur as lenses in the sands and gravel or directly overlie bedrock.

## 1.3 SITE HISTORY AND BACKGROUND

The property was originally developed as a sand and gravel mining operation and was subsequently used as a landfill from 1934 to 1990. According to USEPA studies, materials deposited at the site include demolition debris, household refuse and a wide variety of chemical wastes. The waste disposal areas include a now buried former waste lagoon near the center of the site and a landfill. According to USEPA studies, the buried lagoon was used for the disposal of paint wastes, ink wastes, creosote, pesticides, and other chemical wastes. The landfill area, located north and northeast of the buried lagoon, received predominantly demolition and landscaping debris.

In 1976, the Ohio EPA (OEPA) initiated an investigation of the site. In 1982, the site was placed on the National Priority List by the USEPA based on information obtained during a limited investigation of the

site. A Phase II Remedial Investigation was conducted from 1989 to 1991 and involved further investigation of groundwater, surface water, soils and sediments. Both a Baseline Risk Assessment and Feasibility Study (FS) were completed in 1992.

The Phase II Remedial Investigation revealed that the most contaminated media at the site is the soil in the buried waste lagoon. Migration of the landfill constituents has been limited, and the Phase II Remedial Investigation concluded that there had been no off-site migration of landfill constituents via groundwater flow.

In the Record of Decision (ROD), dated June 4, 1993, the USEPA selected a remedy for the site consisting of multi-media capping of the landfill and the buried waste lagoon, and collection and treatment of the groundwater. The ROD also required an investigation to determine the feasibility for soil vapor extraction (SVE) in the granular soil adjacent to the buried lagoon.

The Remedial Design (RD) Investigation performed in 1994 was implemented to collect data required to assess the feasibility of the SVE and to design the multi-media cap and the groundwater extraction/treatment systems. The Remedial Design was submitted to USEPA on June 21, 1996 outlining the cover design and groundwater interception system design. Based on the RD investigation, the installation of an SVE system was determined to be unfeasible.

Construction of a groundwater interception system (GIS) and engineered landfill cover system began in April 2001 and was substantially completed in September 2001. The USEPA conducted the pre-final construction inspection on September 27, 2001, the final construction inspection on March 27, 2003 and the second 5-Year Review on January 22, 2004.

## 2.0 SAMPLING METHODS

This quarterly monitoring event was conducted in general accordance with the following documents shown with the date of the USEPA-approved final version:

- Operation and Maintenance - Long-Term Performance Plan (O&M-LTP Plan) dated August 2003, and
- RA Health and Safety Plan, Final February 2001.

There were no deviations from these work plans.

## 3.0 RESULTS

### 3.1 GROUNDWATER LEVELS

The groundwater elevation data obtained from the monitor wells, piezometers and selected gas probes is presented on Table 1 with the corresponding potentiometric surface map provided in Appendix A. The groundwater hydraulic gradient calculated from data collected was 0.10 ft/ft. The average hydraulic gradient documented in the Remedial Action Baseline Monitoring Report, dated March 2005, is calculated to be 0.13 ft/ft.

### 3.2 GROUNDWATER-WASTE MONITORING

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

### 3.3 GROUNDWATER ANALYTICAL RESULTS

A summary of target compound list (TCL) and target analyte list (TAL) parameter concentrations encountered above the contract required quantitation limit (CRQL) and revised modified trigger level is provided on Table 3. A summary of the laboratory analytical results have been presented on a per well basis in Appendix B to assist in identifying temporal detection patterns. A report of each data set reduction, validation and assessment procedure conducted on an analytical-set basis in accordance with the O&M-LTP Plan quality assurance project plan (QAPP) is included in Appendix C.

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

Three of the 24 TAL parameters that have corresponding trigger levels were detected above the CRQL. Concentrations of barium and/or iron were detected in two of the eleven monitoring wells. The barium and iron concentrations exceed the CRQL at these locations, but do not exceed the revised modified trigger levels. A cyanide concentration of 10.3 ug/L was detected at GW-63 only, which is slightly above the trigger level of 10.0 ug/L. Cyanide was not detected at GW-63 in the previous quarter.

### 3.4 SURFACE WATER ANALYTICAL RESULTS

Surface water analyzed consisted of three surface water samples collected directly from the East Fork of Mill Creek. Surface water runoff samples at SWD-1, SWD-2 and SW-3 were not able to be collected during this quarter due to insufficient flow to collect the necessary volume of water.

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. None of the 24 TAL parameters, that have a corresponding trigger level, were detected above the CRQL.

# FIGURES

FIGURES

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# FIGURE 1

## SITE VICINITY MAP

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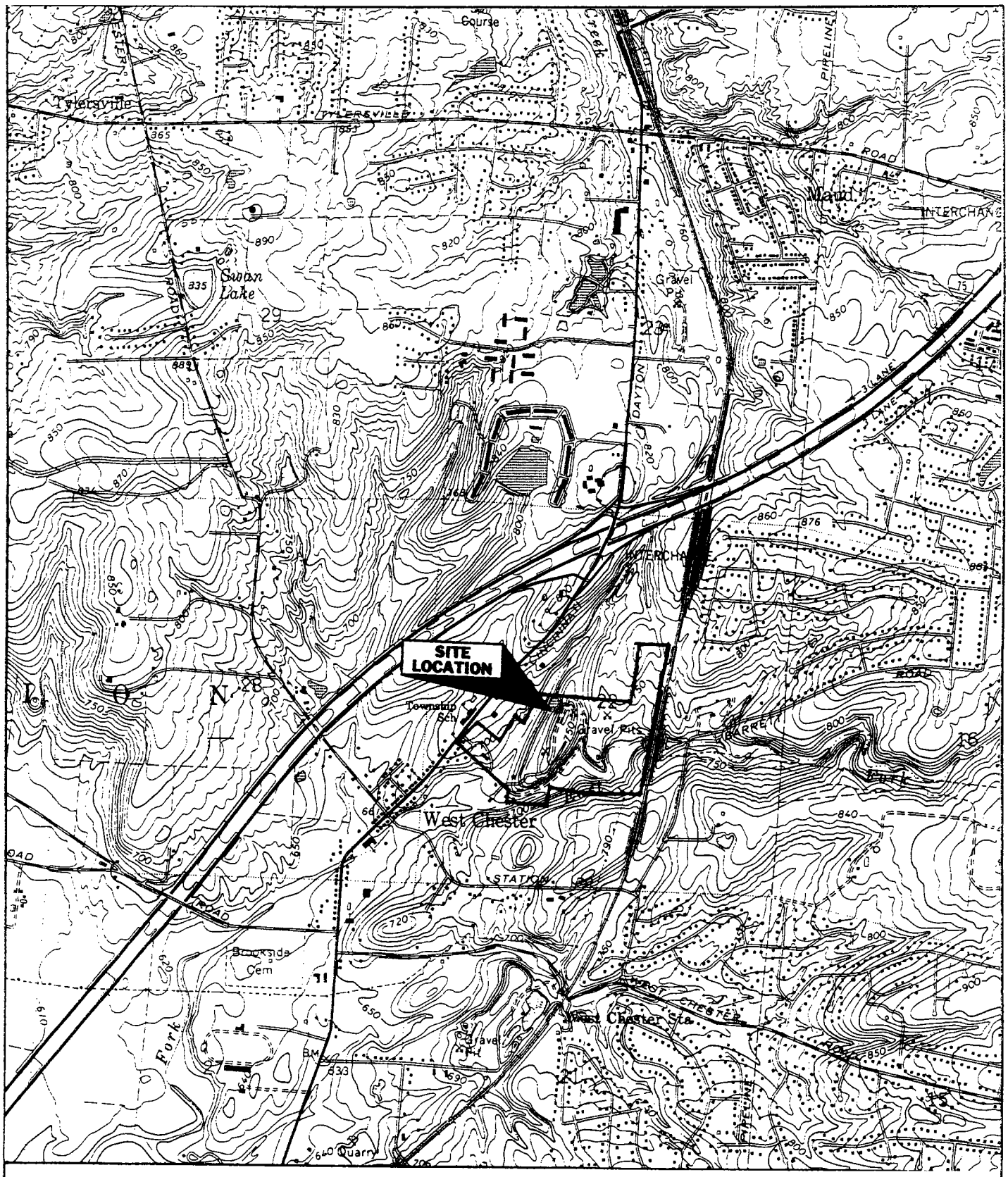
FIGURE 1




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

0 2000
FEET

EARTH TECH

N

SKINNER LANDFILL

SITE VICINITY MAP

BUTLER COUNTY, OHIO

# TABLES

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TABLES

TABLE 1

# TABLE 1

## GROUNDWATER ELEVATIONS

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# TABLE 1

## Groundwater Elevation Summary

## Skinner Landfill
## West Chester, Ohio

| | | | | | September 4, 2007 | |
|---|---|---|---|---|---|---|
| Well Type | Location | Well Use | Ground Surface Elevation (MSL-feet) | Top of Casing Elevation (MSL-feet) | Depth to Water (feet from top of casing) | Groundwater Elevation (MSL-feet) |
| Piezometers | P-1 | G | 685.42 | 687.65 | 11.37 | 676.28 |
| | P-2 | G | 688.54 | 690.42 | 13.11 | 677.31 |
| | P-3R | G | 691.83 | 693.69 | 26.04 | 667.65 |
| | P-4 | G | 700.32 | 702.63 | 8.23 | 694.40 |
| | P-5 | G | 708.20 | 710.65 | 15.64 | 695.01 |
| | P-6 | G | 707.45 | 710.59 | 13.83 | 696.76 |
| | P-7 | G | 719.08 | 721.83 | Dry | Dry |
| | P-8 | G | 747.70 | 749.91 | 30.95 | 718.96 |
| | P-9R | G | 760.12 | 763.58 | 27.09 | 736.49 |
| | P-10R | G | 761.87 | 765.84 | 28.11 | 737.73 |
| | P-11R | G | 760.39 | 763.38 | 29.89 | 733.49 |
| | P-12R | G | 750.11 | 753.60 | 40.99 | 712.61 |
| Groundwater Monitoring Wells | GW-06R | S | 683.89 | 685.91 | 12.46 | 673.45 |
| | GW-07R | S | 683.46 | 683.06 | 15.64 | 667.42 |
| | GW-24 | G | 693.32 | 695.21 | 19.58 | 675.63 |
| | GW-26 | G | 696.61 | 698.28 | 33.52 | 664.76 |
| | GW-30 | G | 675.63 | 677.62 | 10.79 | 666.83 |
| | GW-58 | S | 684.03 | 686.53 | 14.43 | 672.10 |
| | GW-59 | S | 684.35 | 687.38 | 8.53 | 678.85 |
| | GW-60 | S | 689.12 | 692.38 | 14.71 | 677.67 |
| | GW-61 | S | 687.38 | 690.86 | 13.99 | 676.87 |
| | GW-62A | S | 690.19 | 692.38 | 29.41 | 662.97 |
| | GW-62B | S | 690.57 | 693.13 | Dry | Dry |
| | GW-63 | S | 698.87 | 702.50 | 11.90 | 690.60 |
| | GW-64 | S | 700.45 | 703.88 | 12.21 | 691.67 |
| | GW-65 | S | 703.83 | 706.88 | 16.85 | 690.03 |
| | GW-66 | G | 686.82 | 689.41 | 9.38 | 680.03 |
| Gas Probes | GP-6 | G | 772.18 | 774.65 | 17.23 | 757.42 |
| | 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 ELEVATIONS

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TABLE 2

# 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 |
| | | | | | | |

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 RESULTS SUMMARY

TABLE 3

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# TABLE 3

## Groundwater Test Results Summary

## Skinner Landfill
## West Chester, Ohio
## Third Quarter 2007

| Sample ID | VOCs | SVOCs | Dissolved Metals** | Pesticides/PCBs |
|---|---|---|---|---|
| GW-06R | — | — | *Barium, Iron* | — |
| GW-07R | — | * | * | * |
| GW-58 | — | — | — | — |
| GW-59 | — | — | — | — |
| GW-60 | * | * | * | * |
| GW-61 | — | — | — | — |
| GW-62A | — | — | *Iron* | — |
| GW-62B | * | * | * | * |
| GW-63 | — | — | ***Cyanide*** [1] | — |
| GW-64 | — | — | — | — |
| GW-65 | * | * | * | * |
| GW-24 | Monitoring Well Outside Fenced area sampled annually (not sampled this quarter) | | | |
| GW-26 | Monitoring Well Outside Fenced area sampled annually (not sampled this quarter) | | | |
| GW-30 | Monitoring Well Outside Fenced area sampled annually (not sampled this quarter) | | | |

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

# TABLE 4

## SURFACE WATER RESULTS SUMMARY

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TABLE 4

# TABLE 4

## Surface Water Test Results Summary

## Skinner Landfill
## West Chester, Ohio
## Third Quarter 2007

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

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

# APPENDIX A

## POTENTIONMETRIC SURFACE MAP

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APPENDIX A

# SDMS US EPA Region V

*Imagery Insert Form*

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Appendix A – Figure 1, Potentiometric Contour Map – September 4, 2007

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# APPENDIX B

## SUMMARY OF ANALYTICAL RESULTS

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

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | | TRIGGER LEVEL | CRQL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | | |
| **Inorganics - Metals (Dissolved)**[14] | | | | | | | | | | | | |
| Aluminum | 32.4 | 16.4 | 12.5 | 16.4 | 14.8 | 14.8 | 14.8 | 29.1 | 14.4 U | 15.4 U | | 200 |
| Antimony | 5.4 | 4.0 UJ | 2.7 UJ | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 U | 2.4 U | 60 | 60 |
| Arsenic | 3.8 | 4.2 | 3.5 | 3.8 | 4.0 | 4.3 | 4.0 UJ | 5.3 | 4.0 B | 4.0 U | 20 | 10 |
| Barium | **253** | **205** | 168 | 161 J | **212** | **220** | **227** | **214** | **266** | **219** J | 1,000 | 200 |
| Beryllium | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | 5 | 5 |
| Cadmium | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 5 | 5 |
| Calcium | 199,000 | 172,000 | 194,000 | 203,000 | 175,000 | 213,000 | 192,000 | 200,000 | 182,000 | 166,000 | | 5,000 |
| Chromium | 1.5 | 1.4 | 4.6 | 1.3 | 2.1 | 2.1 | 4.2 | 3.9 | 1.5 B | 1.8 B | 11 | 10 |
| Cobalt | 1.1 | 0.6 | 4.6 | 1.9 | 1.2 | 8.3 | 2.2 | 0.4 | 0.20 U | 0.40 B | | 50 |
| Copper | 0.7 | 0.7 | 0.8 | 0.7 | 1.4 | 1.4 | 1.4 | 0.7 | 3.2 B | 2.1 B | 25 | 25 |
| Iron | 10.5 | 27.4 | **442** J | 53.9 | **193** | **5,690** | **1,370** | **658** | **228** | **358** | 7,000 | 100 |
| Lead | 1.4 | 1.4 | 1.7 | 1.4 UJ | 1.8 | 1.8 | 1.8 | 2.1 UJ | 0.80 U | 0.90 B | 4.2 | 3 |
| Magnesium | 34,000 | 28,300 | 36,400 | 33,800 | 30,400 | 41,900 | 33,600 J | 34,700 | 32,500 | 29,100 | | 5,000 |
| Manganese | 224 | 147 | 662 | 155 J | 275 | 2130 J | 325 | 144 | 175 | 262 | | 15 |
| Mercury | 0.10 | 0.10 | 0.10 J | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 0.2 | 0.2 |
| Nickel | 0.40 | 1.1 | 2.3 | 0.60 | 0.60 | 4.20 | 0.50 | 0.80 | 0.80 B | 0.60 B | 96 | 40 |
| Potassium | 2,680 | 2,710 J | 3,040 | 2,390 J | 2,420 | 3,820 | 2,440 | 2,250 J | 2,400 B | 2,520 B | | 5,000 |
| Selenium | 3.5 UJ | 3.5 UJ | 3.0 | 3.5 R | 4.9 UJ | 4.9 | 4.9 | 4.5 UJ | 3.9 U | 3.9 UJ | 8.5 | 5 |
| Silver | 1.1 | 2.9 | 0.60 | 1.1 | 1.0 UJ | 1.0 | 1.0 | 2.1 | 0.30 U | 0.30 U | 10 | 10 |
| Sodium | 22,800 | 20,300 | 23,900 | 25,800 | 19,300 | 26,900 | 19,600 | 23,700 | 17,000 J | 17,800 | | 5,000 |
| Thallium | 4.1 | 4.1 UJ | 5.7 | 4.1 | 2.6 | 2.6 | 2.6 | 3.1 | 2.8 B | 2.9 B | 40 | 10 |
| Vanadium | 11.9 | 6.6 | 1.6 | 2.5 | 1.2 | 22.2 | 1.2 | 9.4 | 12.0 B | 7.6 B | | 50 |
| Zinc | 12.1 | 1.1 | 9.6 | 3.3 | 0.7 | 0.7 | 0.7 | 1.1 | 12.3 B | 10.8 B | 86 | 20 |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 7,510 J | 27,800 J | 5,730 | 2,950 | 5,720 J | 1,600 | 2,190 | 20,100 J | 3,790 J | 3,720 J | | |
| Antimony | 11.5 | 4.0 UJ | 2.7 UJ | 4.0 UJ | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 UJ | 2.4 U | | |
| Arsenic | 5.2 | 64.7 | 8.7 | 15.2 | 6.3 | 10.5 | 4.0 UJ | 5.3 | 7.5 B | 2.5 U | | |
| Barium | 397 | 626 | 250 | 229 | 329 | 241 | 263 | 526 | 352 | 283 J | | |
| Beryllium | 0.2 | 2.6 | 0.4 | 0.1 | 0.5 | 0.5 | 0.5 | 0.1 | 0.10 U | 0.10 U | | |
| Cadmium | 0.1 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 U | 0.10 U | | |
| Calcium | 263,000 J | 562,000 | 251,000 | 223,000 | 210,000 | 238,000 | 210,000 | 456,000 | 218,000 | 210,000 | | |
| Chromium | 9.7 | 63.8 J | 15.9 | 8.1 | 11.9 J | 5.4 | 7.9 | 45.1 | 9.6 J | 8.5 B | | |
| Cobalt | 12.5 | 48.5 | 12.3 | 5.2 | 9.0 | 10.9 | 4.1 | 24.0 | 4.5 B | 3.7 B | | |
| Copper | 17.3 J | 113.0 | 15.2 J | 6.8 J | 4.1 | 1.4 | 6.8 | 93.7 J | 15.4 J | 14.4 B | | |
| Cyanide | 0.6 | 1.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.9 | 0.60 U | 3.5 B | 10 | 10 |
| Iron | 21,900 J | 84,300 | 15,800 | 7,810 | 15,100 | 10,400 | 6,920 | 45,700 | 9,620 | 9,420 J | | |
| Lead | 14.8 | 67.5 | 14.4 | 3.5 J | 12.8 | 8.0 J | 5.6 | 65.4 J | 12.1 J | 12.3 | | |
| Magnesium | 63,000 J | 194,000 | 61,600 | 41,300 | 47,400 | 53,800 | 39,500 | 136,000 | 46,300 | 48,200 | | |
| Manganese | 1,460 J | 5,230 | 1,340 | 516 | 1,050 | 2,440 | 422 J | 3,490 | 421 | 482 J | | |
| Mercury | 0.1 | 0.1 | 0.3 J | 0.1 UJ | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 UJ | 0.10 U | | |
| Nickel | 0.4 | 67.5 | 14.6 J | 6.1 J | 11.5 | 8.0 | 3.7 | 42.3 | 9.0 B | 8.4 B | | |
| Potassium | 4,080 | 7,920 J | 4,380 | 3,230 J | 3,700 J | 4,300 | 2,800 | 5,890 J | 3,360 J | 3,270 J | | |
| Selenium | 3.5 R | 3.9 | 3.0 | 3.5 R | 4.9 | 4.9 | 4.9 UJ | 4.5 UJ | 3.9 UJ | 3.9 R | | |
| Silver | 1.1 | 12.6 J | 0.6 | 1.1 | 1.0 UJ | 1.3 | 1.0 | 2.1 | 0.30 U | 0.30 U | | |
| Sodium | 23,700 J | 23,300 | 24,900 | 25,200 J | 19,500 | 28,200 | 20,400 | 26,400 | 18,000 | 18,300 J | | |
| Thallium | 4.1 UJ | 4.1 UJ | 5.2 | 4.6 | 2.6 UJ | 2.6 UJ | 2.6 | 3.1 | 1.8 B | 2.1 B | | |
| Vanadium | 29.9 J | 75.0 J | 1.6 | 9.5 | 1.2 | 30.5 | 1.2 | 84.8 | 21.1 J | 20.4 B | | |
| Zinc | 66.6 | 237 J | 61.0 J | 22.6 J | 36.4 J | 16.7 | 16.7 | 200.0 J | 47.4 | 40.8 | | |
| **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.

EarthTech
A Tyco International Ltd. Company

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

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | TRIGGER LEVEL | CRQL |
| **Inorganics - Metals (Dissolved)**[14] | | Insufficient Volume | Insufficient Volume | | | | | | | Insufficient Volume | | |
| Aluminum | 24.0 | — | — | 16.4 | 14.8 | 14.8 | 14.8 | 51.1 | 15.4 U | — | | **200** |
| Antimony | 6.0 | — | — | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 U | — | 60 | **60** |
| Arsenic | 3.8 | — | — | 5.0 | 4.0 | 4.0 | 4.0 UJ | 5.3 | 2.4 U | — | 20 | **10** |
| Barium | 111.0 | — | — | 94.0 J | 138.0 | 65.2 | 109.0 | 90.0 | 92.6 B | — | 1,000 | **200** |
| Beryllium | 0.1 | — | — | 0.1 | 0.5 | 0.5 | 0.5 | 0.1 | 0.1 U | — | 5 | **5** |
| Cadmium | 0.1 | — | — | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 U | — | 5 | **5** |
| Calcium | 191,000 | — | — | 172,000 | 190,000 | 383,000 | 209,000 | 203,000 | 206,000 | — | | **5,000** |
| Chromium | 32.8 | — | — | 1.8 | 1.3 | 2.9 | 3.5 | 4.4 | 1.4 B | — | 11 | **10** |
| Cobalt | 0.6 | — | — | 2.3 | 1.2 | 11.7 | 2.4 | 1.6 | 0.2 U | — | | **50** |
| Copper | 0.7 | — | — | 0.7 | 1.4 | 1.4 | 1.4 | 0.7 | 3.4 B | — | 25 | **25** |
| Iron | 56.1 | — | — | **1680** | 12.9 | **3950** | **1290** | **2870** | 44.2 B | — | 7,000 | **100** |
| Lead | 1.4 | — | — | 1.4 UJ | 1.8 | 1.8 | 1.8 | 2.1 UJ | 0.80 U | — | 4.2 | **3** |
| Magnesium | 29,400 | — | — | 25,100 | 29,900 | 61,100 | 32,400 | 31,600 | 33,200 | — | | **5,000** |
| Manganese | 908 | — | — | 600 J | 2,090 | 4,730 J | 1,450 J | 1,240 | 646 | — | | **15** |
| Mercury | 0.1 | — | — | 0.1 | 0.1 | 0.1 | 0.1 UJ | 0.1 | 0.10 U | — | 0.2 | **0.2** |
| Nickel | 0.4 | — | — | 1.4 | 4.2 | 13.4 | 1.8 | 0.8 | 1.9 B | — | 96 | **40** |
| Potassium | 2,400 | — | — | 1,780 J | 2,610 | 4,330 | 2,830 | 1,860 J | 2,290 B | — | | **5,000** |
| Selenium | 3.5 UJ | — | — | 3.5 R | 4.9 UJ | 4.9 | 4.9 UJ | 4.5 UJ | 3.9 U | — | 8.5 | **5** |
| Silver | 1.1 | — | — | 1.1 | 1.0 UJ | 1.3 | 1.0 | 2.1 | 0.30 U | — | 10 | **10** |
| Sodium | 26,600 | — | — | 26,700 | 28,300 | 47,400 | 33,100 | 25,200 | 23,000 J | — | | **5,000** |
| Thallium | 4.1 | — | — | 6.3 | 2.6 | 2.6 | 2.6 | 3.1 | 5.0 B | — | 40 | **10** |
| Vanadium | 11.0 | — | — | 1.8 | 1.2 | 26.0 | 1.2 | 8.3 | 13.2 B | — | | **50** |
| Zinc | 14.3 | — | — | 1.1 | 0.7 | 0.7 | 6.6 | 1.1 | 10.0 B | — | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 23,300 J | — | — | 4,030 | 8,110 J | 5,220 | 3,950 | 1,270 J | 4,680 J | — | | |
| Antimony | 18.6 | — | — | 4.0 UJ | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 UJ | — | | |
| Arsenic | 7.6 | — | — | 21.8 | 9.6 | 7.0 | 4.0 UJ | 5.3 | 10.5 | — | | |
| Barium | 1120 | — | — | 185 | 388 | 273 | 241 | 131 | 292 | — | | |
| Beryllium | 1.1 | — | — | 0.1 | 0.5 | 0.5 | 0.5 | 0.10 | 0.10 U | — | | |
| Cadmium | 0.1 | — | — | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 | 0.10 U | — | | |
| Calcium | 293,000 J | — | — | 197,000 | 248,000 | 444,000 | 229,000 | 214,000 | 232,000 | — | | |
| Chromium | 44.2 | — | — | 8.7 | 12.8 J | 10.8 | 8.5 | 7.0 | 9.4 J | — | | |
| Cobalt | 17.8 | — | — | 4.4 | 9.3 | 18.2 | 4.5 | 2.5 | 4.4 B | — | | |
| Copper | 50.8 J | — | — | 9.4 J | 11.1 | 1.4 | 5.9 | 23.2 J | 14.2 J | — | | |
| Cyanide | 0.6 | — | — | 2.2 | 1.3 | 18.6 | 0.6 | 1.6 | 0.60 U | — | 10.0 | **10.0** |
| Iron | 63,600 J | — | — | 9,710 J | 24,600 | 20,500 | 9,090 | 7,280 | 13,700 | — | | |
| Lead | 29.5 | — | — | 3.4 | 11.5 | 12.0 J | 4.0 | 2.1 UJ | 8.9 J | — | | |
| Magnesium | 73,000 J | — | — | 34,600 | 49,400 | 82,500 | 39,000 | 34,600 | 44,800 | — | | |
| Manganese | 2,340 J | — | — | 761 | 2,940 | 4,880 | 1,650 J | 1,320 | 1,280 | — | | |
| Mercury | 0.1 | — | — | 0.1 UJ | 0.1 | 0.1 | 0.1 | 0.10 | 0.10 UJ | — | | |
| Nickel | 28.1 | — | — | 7.6 J | 16.8 | 21.9 | 7.0 | 2.1 | 10.4 B | — | | |
| Potassium | 5,940 | — | — | 2,770 J | 4,400 J | 5,530 | 3,800 | 2,250 J | 3,320 J | — | | |
| Selenium | 3.5 R | — | — | 3.5 R | 4.9 | 4.9 | 4.9 UJ | 4.5 UJ | 3.9 UJ | — | | |
| Silver | 1.1 | — | — | 1.1 | 1.0 UJ | 1.7 | 1.0 | 2.1 | 0.30 U | — | | |
| Sodium | 27,500 J | — | — | 27,100 J | 27,600 | 49,000 | 33,200 | 25,400 | 23,300 | — | | |
| Thallium | 4.1 UJ | — | — | 5.2 | 2.6 UJ | 2.6 | 2.6 | 3.1 | 5.1 B | — | | |
| Vanadium | 47.0 J | — | — | 9.7 | 1.2 | 42.4 | 1.5 | 11.8 | 22.4 J | — | | |
| Zinc | 146.0 | — | — | 24.7 J | 46.5 J | 33.0 | 17.0 | 16.3 J | 46.7 | — | | |
| **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 | — | | |
| **Pesticides / PCBs** | BRL | — | — | BRL | BRL | BRL | BRL | BRL | BRL | — | | |

Notes:

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

EarthTech
A Tyco International Ltd. Company

# Skinner Landfill
# West Chester, Ohio
# Groundwater Analysis Summary Table for GW-58

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | | TRIGGER LEVEL | CRQL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | | |
| **Inorganics - Metals (Dissolved)**[14] | | | | | | | | | | | | |
| Aluminum | 16.4 | 16.4 | 12.5 | 16.4 | 14.8 | 14.8 | 14.8 | 29.1 | 31.1 B | 15.4 U | | 200 |
| Antimony | 4.0 | 4.0 UJ | 2.7 UJ | 4.0 | 4.0 | 4.0 | 4.0 | 6.2 | 2.4 U | 2.4 U | 60 | 60 |
| Arsenic | 3.8 | 3.8 | 3.5 | 3.8 | 4.0 | 4.0 | 4.0 UJ | 5.3 | 2.4 U | 2.4 UJ | 20 | 10 |
| Barium | 151 | 161 | 175 | **213** J | **230** | 150 | 153 | **354** | 124 B | 106 J | 1,000 | 200 |
| Beryllium | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | 5 | 5 |
| Cadmium | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 5 | 5 |
| Calcium | 114,000 | 103,000 | 124,000 | 130,000 | 101,000 | 121,000 | 108,000 | 67,900 | 112,000 | 99,100 | | 5,000 |
| Chromium | 0.80 | 0.80 | 4.1 | 0.80 | 2.7 | 2.6 | 4.5 | 3.6 | 1.9 B | 2.2 B | 11 | 10 |
| Cobalt | 0.60 | 0.60 | 0.80 | 6.00 | 0.70 | 0.70 | 0.70 | 0.40 | 0.20 U | 0.20 U | | 50 |
| Copper | 0.70 | 0.70 | 0.80 | 0.70 | 1.4 | 1.4 | 2.0 | 0.70 | 3.4 B | 3.4 B | 25 | 25 |
| Iron | 10.5 | 80.3 | 2.9 J | **164** | **826** | 12.9 | 15.6 | **306** | 45.1 B | 8.5 U | 7,000 | 100 |
| Lead | 1.4 | 1.4 | 1.7 | 1.4 UJ | 1.8 | 2.0 J | 1.8 | 2.1 UJ | 0.80 U | 1.5 B | 4.2 | 3 |
| Magnesium | 34,500 | 32,000 | 35,400 | 44,900 | 34,700 | 35,600 | 37,400 | 31,700 | 31,600 | 30,100 | | 5,000 |
| Manganese | 85 | 53 | 13.3 | 232 | 187 | 21 J | 167 J | 27.5 | 5.9 B | 13.2 B | | 15 |
| Mercury | 0.10 | 0.10 | 0.10 UJ | 0.30 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 0.2 | 0.2 |
| Nickel | 0.40 | 0.40 | 0.60 | 1.9 | 1.0 | 0.50 | 0.50 | 0.80 | 0.40 U | 0.40 U | 96 | 40 |
| Potassium | 4,110 | 4,540 J | 4,620 | 6,010 J | 5,160 | 4,140 | 5,110 | 15,400 J | 3,320 B | 4,180 J | | 5,000 |
| Selenium | 3.5 UJ | 3.5 UJ | 3.0 | 3.5 R | 4.9 UJ | 4.9 | 4.9 | 4.5 UJ | 3.9 U | 3.9 UJ | 8.5 | 5 |
| Silver | 1.1 | 2.6 | 0.6 | 1.1 | 2.0 | 1.0 | 1.0 | 2.1 | 0.30 U | 0.30 U | 10 | 10 |
| Sodium | 30,600 | 30,800 | 29,800 | 44,700 | 36,700 | 30,500 | 37,100 | 152,000 | 25,400 J | 29,800 | | 5,000 |
| Thallium | 4.1 | 4.1 UJ | 8.2 | 4.1 | 2.6 | 2.6 | 2.6 | 3.1 | 8.7 B | 4.1 UJ | 40 | 10 |
| Vanadium | 11.7 | 5.9 | 1.6 | 0.7 | 1.2 | 20.7 | 1.2 | 9.3 | 12.1 B | 5.4 B | | 50 |
| Zinc | 10.1 | 1.1 | 10.4 | 10.2 | 0.7 | 1.3 | 0.7 | 1.1 | **23.4** | 6.8 B | 86 | 20 |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 17,600 J | 20,700 J | 25,600 | 15,400 | 14,100 J | 9,470 | 4,100 | 7,290 J | 27,700 J | 3,340 J | | |
| Antimony | 14.6 | 4.0 UJ | 2.7 UJ | 4.0 UJ | 4.0 | 4.0 | 4.0 | 4.1 | 8.2 J | 2.4 U | | |
| Arsenic | 6.8 | 29.1 | 20.2 | 61.6 J | 11.6 | 8.5 | 4.0 UJ | 5.3 | 53.1 | 2.4 U | | |
| Barium | 364 | 349 | 430 | 349 | 298 | 257 | 206 | 222 | 465 | 145 B | | |
| Beryllium | 0.8 | 1.2 | 1.7 | 0.8 | 0.8 | 0.6 | 0.5 | 0.1 | 0.10 U | 0.10 U | | |
| Cadmium | 0.1 | 0.1 | 0.1 | 0.7 | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 U | 0.10 U | | |
| Calcium | 277,000 J | 287,000 | 353,000 | 264,000 | 240,000 J | 186,000 | 180,000 | 203,000 | 382,000 | 123,000 | | |
| Chromium | 34.4 | 57.5 J | 62.7 | 38.3 | 30.8 | 21.6 | 13.5 | 23.0 | 63.4 J | 8.5 B | | |
| Cobalt | 16.4 | 17.6 | 27.1 | 14.5 | 12.9 | 9.5 | 4.9 | 6.3 | 32.5 B | 2.8 B | | |
| Copper | 41.5 J | 61.7 | 60.3 J | 32.3 J | 15.1 | 10.3 | 9.5 | 52.5 J | 67.6 J | 5.4 B | | |
| Cyanide | 0.6 | 0.8 | 0.6 | 1.0 | 0.6 | 12.9 | 0.6 | 0.6 | 1.3 B | 0.60 U | 10 | 10 |
| Iron | 45,400 J | 49,700 | 68,200 | 41,700 | 33,500 | 23,700 | 11,100 | 18,600 | 78,000 | 7,410 | | |
| Lead | 20.7 | 25.5 | 41.4 | 21.1 | 19.8 | 14.3 | 5.8 | 9.1 | 44.3 J | 3.0 J | | |
| Magnesium | 73,800 J | 72,300 | 87,600 | 72,300 | 62,000 | 50,400 | 51,100 | 54,200 | 93,400 | 36,200 | | |
| Manganese | 1,300 J | 1,250 | 1,820 | 1,140 J | 920 | 630 | 480 J | 656 | 2,510 | 232 | | |
| Mercury | 0.1 | 0.1 | 0.7 J | 0.1 UJ | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 UJ | 0.10 U | | |
| Nickel | 17.8 | 55.6 J | 63.2 J | 37.3 J | 30.1 | 22.4 | 8.7 | 14.5 | 76.5 | 6.1 B | | |
| Potassium | 8,380 | 10,900 | 10,100 | 9,500 J | 7,900 J | 6,170 | 6,070 | 6,910 J | 8,340 J | 4,770 J | | |
| Selenium | 3.5 R | 3.5 UJ | 3.0 | 3.5 R | 4.9 | 4.9 | 4.9 UJ | 4.5 UJ | 3.9 UJ | 3.9 UJ | | |
| Silver | 1.1 | 9.3 | 2.9 | 4.3 J | 1.0 UJ | 1.4 | 1.1 J | 2.1 | 0.30 U | 0.30 U | | |
| Sodium | 34,700 J | 31,600 | 30,100 | 43,000 J | 29,200 | 27,600 | 35,700 | 35,500 | 25,200 | 26,900 | | |
| Thallium | 4.1 UJ | 4.1 UJ | 5.6 | 8.2 J | 2.6 UJ | 2.6 | 2.6 | 3.1 | 4.6 B | 1.7 U | | |
| Vanadium | 38.0 J | 45.8 J | 11.5 | 30.3 | 1.2 | 42.0 | 1.2 | 26.7 | 72.8 J | 14.4 B | | |
| Zinc | 128 | 147 J | 195 | 123 J | 84 J | 65.2 | 25.4 | 231 J | 240 | 23.9 | | |
| **Volatile Organic Compounds (VOCs)** | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | | |
| **Semi-Volatile Organic Compounds (SVOCs)** | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | | |
| **Pesticides / PCBs** | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | | |

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

EarthTech
A Tyco International Ltd. Company

# Skinner Landfill
# West Chester, Ohio
# Groundwater Analysis Summary Table for GW-59

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | TRIGGER LEVEL | CRQL |
| **Inorganics - Metals (Dissolved)**[14] | | | | | | | | | | | | |
| Aluminum | 16.4 | 16.4 | 12.5 | 16.4 | 14.8 | 14.8 | 14.8 | 29.1 | 59.3 U | 15.4 U | | **200** |
| Antimony | 7.7 | 4.0 UJ | 2.7 UJ | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 U | 2.4 U | 60 | **60** |
| Arsenic | 3.8 | 3.8 | 3.5 | 3.8 | 4.0 | 4.0 | 4.0 UJ | 5.3 | 4.4 B | 2.4 U | 20 | **10** |
| Barium | 24.6 | 50.0 | 51.6 | 42.1 J | 38.7 | 44.5 | 45.0 | 42.6 | 36.6 B | 39.0 J | 1,000 | **200** |
| Beryllium | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Cadmium | 0.10 | 0.10 | 0.10 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Calcium | 240,000 | 173,000 | 179,000 | 192,000 | 188,000 | 167,000 | 199,000 | 183,000 | 179,000 | 187,000 | | **5,000** |
| Chromium | 0.80 | 0.80 | 4.0 | 0.80 | 3.2 | 2.4 | 5.2 | 4.3 | 2.3 B | 2.7 B | 11 | **10** |
| Cobalt | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.40 | 0.20 U | 0.20 U | | **50** |
| Copper | 0.70 | 0.80 | 0.80 | 0.70 | 1.4 | 1.4 | 3.8 | 0.70 | 3.7 B | 3.6 B | 25 | **25** |
| Iron | 10.5 | 10.5 | 2.9 U | 10.5 | 12.9 | 12.9 | 12.9 | 8.1 | **137** | 8.5 U | 7,000 | **100** |
| Lead | 1.4 | 1.4 | 1.7 | 1.4 UJ | 1.8 | 1.8 | 1.8 | 2.1 UJ | 0.80 U | 0.80 U | 4.2 | **3** |
| Magnesium | 54,600 | 32,800 | 32,400 | 34,100 | 38,500 | 32,000 | 39,800 | 32,500 | 37,800 | 40,000 | | **5,000** |
| Manganese | 0.1 | 0.2 | 24.9 | 26.7 J | 4.4 | 0.4 J | 28.8 J | 4.0 | 14.5 B | 34.8 | | **15** |
| Mercury | 0.10 | 0.10 | 0.10 J | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 B | 0.10 U | 0.2 | **0.2** |
| Nickel | 0.40 | 0.40 | 0.40 | 1.1 | 0.80 | 0.50 | 0.50 | 0.80 | 0.40 U | 0.40 U | 96 | **40** |
| Potassium | 23,200 | 27,500 J | 18,700 | 19,600 J | 22,900 | 28,400 | 23,800 | 16,200 J | 14,500 | 15,500 J | | **5,000** |
| Selenium | 3.5 UJ | 3.5 UJ | 3.0 | 3.5 R | 4.9 UJ | 4.9 | 4.9 UJ | 4.5 UJ | 3.9 U | 3.9 UJ | 8.5 | **5** |
| Silver | 1.1 | 3.2 | 0.60 | 1.1 | 1.0 UJ | 1.0 | 1.0 | 2.1 | 0.30 U | 0.30 U | 10 | **10** |
| Sodium | 151,000 | 96,600 | 74,900 | 72,000 | 101,000 | 90,000 | 107,000 | 74,700 | 88,000 J | 97,800 J | | **5,000** |
| Thallium | 4.1 | 4.1 | 8.4 | 4.1 | 2.6 | 2.6 | 2.6 | 3.1 | 2.6 B | 1.7 U | 40 | **10** |
| Vanadium | 16.0 | 6.5 | 1.6 | 0.6 | 1.2 | 21.0 | 1.2 | 7.8 | 12.9 B | 8.6 B | | **50** |
| Zinc | 12.5 | 1.1 | 13.4 | 2.7 | 0.7 | 3.7 | 4.3 | 1.1 | 9.5 B | 11.6 B | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 2,390 J | 1,410 J | 3,420 | 1,060 | 3,210 J | 1,280 | 2,570 | 2,120 J | 7,750 J | 1,900 J | | |
| Antimony | 7.2 | 4.0 UJ | 2.7 UJ | 60.0 UJ | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 UJ | 2.4 U | | |
| Arsenic | 4.1 | 8.8 | 6.4 | 14.3 J | 4.0 | 4.0 | 4.0 UJ | 5.3 | 19.0 | 2.4 U | | |
| Barium | 85.2 | 72.5 | 83.2 | 54.2 | 91.9 | 62.1 | 126.0 | 65.9 | 253.0 | 58.8 J | | |
| Beryllium | 0.1 | 0.1 | 0.3 | 5.0 | 0.5 | 0.5 | 0.5 | 0.1 | 0.10 U | 0.10 U | | |
| Cadmium | 0.1 | 0.1 | 0.1 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 U | 0.10 U | | |
| Calcium | 238,000 J | 177,000 | 201,000 | 200,000 | 206,000 | 163,000 | 197,000 | 193,000 | 226,000 | 195,000 | | |
| Chromium | 30.7 | 5.5 J | 14.2 | 10.0 | 12.1 J | 6.8 | 14.7 | 10.2 | 34.7 J | 6.9 B | | |
| Cobalt | 4.7 | 1.5 | 4.2 | 1.4 | 4.4 | 1.8 | 4.5 | 1.8 | 12.9 B | 1.1 B | | |
| Copper | 5.0 J | 6.6 | 9.3 J | 3.4 J | 1.4 | 1.4 | 6.6 | 4.6 J | 18.6 J | 7.4 B | | |
| Cyanide | 0.6 | 0.6 | 0.6 | 2.5 | 0.8 | 0.7 | 0.6 | 0.6 | 0.6 U | 3.1 B | 10 | **10** |
| Iron | 10,500 J | 4,990 | 11,500 | 3,710 | 8,240 | 4,460 | 8,570 | 6,840 | 24,000 | 5,630 J | | |
| Lead | 2.4 | 2.6 | 9.4 | 3.0 UJ | 6.3 | 4.3 J | 4.4 | 2.1 UJ | 15.4 J | 4.8 | | |
| Magnesium | 56,000 J | 34,300 | 36,400 | 37,100 | 41,100 | 32,600 | 40,500 | 34,600 | 47,000 | 41,000 | | |
| Manganese | 566 J | 236 | 543 | 280 J | 573 | 316 | 575 J | 260 | 1,630 | 197 J | | |
| Mercury | 0.1 | 0.1 | 0.2 J | 0.2 UJ | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 UJ | 0.10 U | | |
| Nickel | 0.4 | 4.9 J | 12.0 J | 5.3 J | 11.3 | 5.0 | 10.7 | 5.2 | 37.1 B | 5.0 B | | |
| Potassium | 22,500 | 25,900 | 18,800 | 19,600 J | 25,300 J | 24,400 | 22,400 | 15,200 J | 18,800 J | 15,700 J | | |
| Selenium | 3.5 R | 3.5 UJ | 3.0 | 5.0 R | 4.9 | 4.9 | 4.9 UJ | 4.5 | 3.9 UJ | 3.9 R | | |
| Silver | 1.1 | 2.7 | 0.6 | 10.0 | 1.0 UJ | 1.0 | 1.0 | 2.1 | 0.30 U | 0.30 U | | |
| Sodium | 148,000 J | 93,900 | 75,700 | 79,100 J | 105,000 | 81,900 | 102,000 | 76,400 | 86,500 | 96,100 J | | |
| Thallium | 4.1 UJ | 4.1 UJ | 6.3 | 4.3 J | 2.6 UJ | 2.6 UJ | 2.6 | 3.1 | 6.1 B | 2.5 B | | |
| Vanadium | 19.5 J | 9.9 J | 1.6 | 1.7 | 1.2 | 21.6 | 1.2 | 12.3 | 27.6 J | 12.1 B | | |
| Zinc | 36.0 | 13.1 J | 50.1 J | 11.3 J | 20.1 J | 17.7 | 34.2 | 18.7 J | 86.7 | 32.8 | | |
| **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.

EarthTech
A Tyco International Ltd. Company

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

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Dec-06 | Mar-07 | Jun-07 | Sep-07 | TRIGGER LEVEL | CRQL |
| **Inorganics - Metals (Dissolved)[14]** | | Insufficient Volume | Insufficient Volume | | Insufficient Volume | Insufficient Volume | | | Insufficient Volume | Insufficient Volume | | |
| Aluminum | 50.4 | — | — | 16.4 | — | — | 37.7 J | 29.1 | — | — | | **200** |
| Antimony | 4.0 | — | — | 4.0 | — | — | 4.0 | 4.1 | — | — | 60 | **60** |
| Arsenic | 4.5 | — | — | 5.9 J | — | — | 4.0 | 5.3 | — | — | 20 | **10** |
| Barium | 18.7 | — | — | 58.9 J | — | — | 68.9 J | 57.8 | — | — | 1,000 | **200** |
| Beryllium | 0.1 | — | — | 0.1 | — | — | 0.5 | 0.1 | — | — | 5 | **5** |
| Cadmium | 0.1 | — | — | 0.1 | — | — | 0.1 | 0.1 | — | — | 5 | **5** |
| Calcium | 137,000 | — | — | 210,000 | — | — | 209,000 | 276,000 | — | — | | **5,000** |
| Chromium | 5.1 | — | — | 0.8 | — | — | 2.7 J | 5.9 | — | — | 11 | **10** |
| Cobalt | 0.6 | — | — | 0.6 | — | — | 0.7 | 0.4 | — | — | | **50** |
| Copper | 0.7 | — | — | 0.7 | — | — | 4.9 | 0.7 | — | — | 25 | **25** |
| Iron | 10.5 | — | — | 10.5 | — | — | 48.9 | 10.5 | — | — | 7,000 | **100** |
| Lead | 1.4 | — | — | 1.4 UJ | — | — | 1.8 | 2.1 UJ | — | — | 4.2 | **3** |
| Magnesium | 30,100 | — | — | 44,200 | — | — | 39,600 | 81,200 | — | — | | **5,000** |
| Manganese | 0.9 | — | — | 0.1 | — | — | 0.3 | 0.2 | — | — | | **15** |
| Mercury | 0.1 | — | — | 0.1 | — | — | 0.1 | 0.1 | — | — | 0.2 | **0.2** |
| Nickel | 0.4 | — | — | 0.8 | — | — | 0.5 | 0.8 | — | — | 96 | **40** |
| Potassium | 6,810 | — | — | 7,950 J | — | — | 8,560 J | 5,400 J | — | — | | **5,000** |
| Selenium | 3.5 UJ | — | — | 3.5 R | — | — | 4.9 UJ | 4.5 UJ | — | — | 8.5 | **5** |
| Silver | 1.1 | — | — | 1.1 | — | — | 1.0 | 2.1 | — | — | 10 | **10** |
| Sodium | 20,300 | — | — | 29,900 | — | — | 25,000 | 22,800 | — | — | | **5,000** |
| Thallium | 4.1 | — | — | 4.1 | — | — | 2.6 | 3.1 | — | — | 40 | **10** |
| Vanadium | 11.3 | — | — | 0.6 | — | — | 11.1 | 16.3 | — | — | | **50** |
| Zinc | 9.9 | — | — | 1.1 | — | — | 5.9 | 1.1 | — | — | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 74,200 J | — | — | 16,700 | — | — | 10,600 J | 9,480 J | — | — | | |
| Antimony | 36.7 | — | — | 4.0 UJ | — | — | 4.0 | 4.1 | — | — | | |
| Arsenic | 3.8 | — | — | 55.6 J | — | — | 4.0 | 5.3 | — | — | | |
| Barium | 181 | — | — | 117 | — | — | 107 J | 95.9 | — | — | | |
| Beryllium | 4.3 | — | — | 0.9 | — | — | 0.7 | 0.1 | — | — | | |
| Cadmium | 0.1 | — | — | 0.6 | — | — | 0.1 | 0.1 | — | — | | |
| Calcium | 568,000 J | — | — | 281,000 | — | — | 222,000 | 319,000 | — | — | | |
| Chromium | 106 | — | — | 33.0 | — | — | 29.1 J | 22.1 | — | — | | |
| Cobalt | 77.6 | — | — | 14.7 | — | — | 11.0 | 9.5 | — | — | | |
| Copper | 83.7 J | — | — | 21.7 J | — | — | 14.3 | 35.7 J | — | — | | |
| Cyanide | — | — | — | 2.5 | — | — | — | 3.8 | — | — | 10 | **10** |
| Iron | 160,000 J | — | — | 38,500 | — | — | 25,100 | 21,800 | — | — | | |
| Lead | 78.7 | — | — | 16.7 J | — | — | 12.2 | 11.7 J | — | — | | |
| Magnesium | 86,700 J | — | — | 58,900 | — | — | 47,800 | 88,100 | — | — | | |
| Manganese | 4,340 J | — | — | 1,150 J | — | — | 833 J | 628 | — | — | | |
| Mercury | 0.2 | — | — | 0.1 UJ | — | — | 0.1 | 0.1 | — | — | | |
| Nickel | 105 | — | — | 32.7 J | — | — | 20.9 | 17.9 | — | — | | |
| Potassium | 19,100 | — | — | 11,900 J | — | — | 9,590 J | 7,660 J | — | — | | |
| Selenium | 3.5 R | — | — | 3.5 R | — | — | 4.9 UJ | 4.5 UJ | — | — | | |
| Silver | 1.1 | — | — | 3.1 J | — | — | 2.0 | 2.1 | — | — | | |
| Sodium | 19,500 J | — | — | 32,000 J | — | — | 23,000 | 24,000 | — | — | | |
| Thallium | 4.1 UJ | — | — | 13.1 J | — | — | 2.6 | 3.1 | — | — | | |
| Vanadium | 103 J | — | — | 30.1 | — | — | 30.7 | 34 | — | — | | |
| Zinc | 391 | — | — | 88.3 J | — | — | 72.6 | 63.7 J | — | — | | |
| **Volatile Organic Compounds (VOCs)** | BRL | — | BRL | BRL | BRL | BRL | BRL | BRL | BRL | — | | |
| **Semi-Volatile Organic Compounds (SVOCs)** | BRL | — | — | BRL | BRL | BRL | BRL | BRL | BRL | — | | |
| **Pesticides / PCBs** | BRL | — | — | BRL | BRL | — | BRL | BRL | — | — | | |

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.

EarthTech
A Tyco International Ltd. Company

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

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | TRIGGER LEVEL | CRQL |
| **Inorganics - Metals (Dissolved)**[14] | | | Well Dry | | | | | | | | | |
| Aluminum | 16.4 | 16.4 | — | 16.4 | 14.8 | 14.8 | 14.8 | 29.1 | 15.4 U | 15.4 U | | **200** |
| Antimony | 7.6 | 4.0 UJ | — | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 U | 2.4 U | 60 | **60** |
| Arsenic | 3.8 | 3.8 | — | 3.8 | 4.0 | 4.0 | 4.0 | 5.3 | 4.4 B | 2.4 U | 20 | **10** |
| Barium | 46.3 | 70.7 | — | 0.2 | 46.6 | 61.1 | 45.5 J | 36.4 | 31.7 B | 38.2 J | 1,000 | **200** |
| Beryllium | 0.10 | 0.10 | — | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Cadmium | 0.10 | 0.10 | — | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Calcium | 211,000 | 228,000 | — | 335 | 237,000 | 281,000 | 258,000 | 282,000 | 245,000 | 241,000 | | **5,000** |
| Chromium | 0.80 | 14.4 | — | 0.80 | 3.8 | 3.3 | 2.0 J | 6.1 | 2.5 B | 3.1 B | 11 | **10** |
| Cobalt | 1.4 | 0.60 | — | 0.70 | 1.2 | 2.7 | 2.1 | 1.2 | 0.20 U | 0.20 U | | **50** |
| Copper | 0.70 | 2.6 | — | 0.70 | 1.4 | 1.4 | 3.0 | 0.70 | 4.2 U | 4.6 B | 25 | **25** |
| Iron | **122** | **169** | — | **159** | **641** | **2380** | **162** | **299** | 18.6 B | 14.5 B | 5,000 | **100** |
| Lead | 1.4 | 1.4 | — | 1.4 UJ | 1.8 | 1.8 | 1.8 | 2.1 UJ | 0.80 U | 0.80 U | 4.2 | **3** |
| Magnesium | 45,800 | 39,800 | — | 63,100 | 49,000 | 55,900 | 52,900 | 60,300 | 50,000 | 47,900 | | **5,000** |
| Manganese | 953 | 217 | — | 0.3 J | 617 | 2,070 J | 1,050 J | 385 | 103 | 179 | | **15** |
| Mercury | 0.10 | 0.10 | — | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 0.2 | **0.2** |
| Nickel | 0.40 | 9.2 | — | 0.40 | 3.5 | 5.0 | 4.8 | 2.4 | 3.3 B | 4.2 B | 96 | **40** |
| Potassium | 7,010 | 10,400 J | — | 54.2 | 6,730 | 8,500 | 7,740 J | 7,330 J | 7,180 | 8,010 J | | **5,000** |
| Selenium | 3.5 UJ | 3.5 UJ | — | 3.5 R | 4.9 UJ | 4.9 | 4.9 UJ | 4.5 UJ | 3.9 U | 3.9 UJ | 8.5 | **5** |
| Silver | 1.1 | 3.2 | — | 1.1 | 1.0 | 1.0 | 1.0 | 2.1 | 0.30 U | 0.30 U | 10 | **10** |
| Sodium | 35,400 | 34,300 | — | 46.3 | 41,300 | 54,200 | 48,400 | 57,500 | 38,400 J | 47,800 J | | **5,000** |
| Thallium | 4.1 | 4.1 UJ | — | 4.1 | 2.6 | 2.6 | 2.6 | 3.1 | 3.3 B | 1.7 U | 40 | **10** |
| Vanadium | 12.9 | 6.2 | — | 0.60 | 1.2 | 27.9 | 11.7 | 13.2 | 16.5 B | 9.3 B | | **50** |
| Zinc | 13.7 | 1.1 | — | 1.1 | 0.7 | 1.7 | 5.7 | 1.1 | **28.5** | 15.7 B | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 5,930 J | 602 J | — | 1,780 | 3,800 J | 11,700 | 3,250 J | 12,200 J | 919 J | 130 J | | |
| Antimony | 10.4 | 4.0 UJ | — | 4.0 UJ | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 UJ | 2.4 U | | |
| Arsenic | 8.8 | 7.5 | — | 14.3 J | 5.3 | 17.7 | 4.0 | 5.3 | 2.5 B | 2.4 U | | |
| Barium | 101.0 | 75.7 | — | 70.1 | 81.3 | 196.0 | 80.7 J | 173.0 | 39.8 B | 38.1 J | | |
| Beryllium | 0.2 | 0.1 | — | 0.1 | 0.5 | 0.7 | 0.5 | 0.1 | 0.10 U | 0.10 U | | |
| Cadmium | 0.1 | 0.1 | — | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 U | 0.10 U | | |
| Calcium | 233,000 J | 230,000 | — | 347,000 | 250,000 | 409,000 | 297,000 | 450,000 | 259,000 | 241,000 | | |
| Chromium | 9.1 | 1.2 J | — | 1.9 | 10.1 J | 24.3 | 12.3 J | 30.4 | 5.7 J | 3.4 B | | |
| Cobalt | 6.4 | 1.1 | — | 1.9 | 4.1 | 12.9 | 4.9 | 10.9 | 1.0 B | 0.6 B | | |
| Copper | 11.6 J | 5.0 | — | 4.6 J | 1.4 | 1.4 | 10.1 | 41.7 J | 7.0 J | 4.9 B | | |
| Cyanide | 0.6 | 0.6 | — | 1.6 | 0.6 | 3.4 | 0.6 | 0.6 | 1.0 B | 3.1 B | 10 | **10** |
| Iron | 18,200 J | 2,070 | — | 6,770 | 11,100 | 38,500 | 11,000 | 36,300 | 2,750 | 420 J | | |
| Lead | 8.3 | 1.4 | — | 1.4 UJ | 14.4 | 22.2 J | 4.0 | 19.4 | 0.80 U | 0.80 U | | |
| Magnesium | 51,700 J | 39,800 | — | 65,900 | 53,600 | 92,400 | 60,900 | 98,400 | 51,300 | 46,900 | | |
| Manganese | 1,110 J | 224 | — | 317 J | 750 | 2,930 | 1,280 J | 1,340 | 167 | 172 J | | |
| Mercury | 0.1 | 0.1 | — | 0.1 UJ | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 UJ | 0.10 U | | |
| Nickel | 0.4 | 4.7 J | — | 8.0 J | 11.2 | 30.8 | 12.9 | 27.5 | 4.9 B | 4.5 B | | |
| Potassium | 8,270 | 10,600 | — | 9,210 J | 7,550 J | 10,300 | 8,650 J | 10,300 J | 7,480 J | 7,920 | | |
| Selenium | 3.5 R | 3.5 UJ | — | 3.5 R | 4.9 | 12.5 J | 4.9 UJ | 4.5 UJ | 3.9 UJ | 3.9 R | | |
| Silver | 1.1 | 2.6 | — | 1.1 | 1.0 UJ | 2.1 | 1.0 | 2.1 | 0.30 U | 0.30 B | | |
| Sodium | 33,500 J | 33,800 | — | 41,300 | 39,500 | 50,400 | 47,500 | 53,100 | 39,300 | 45,000 J | | |
| Thallium | 4.1 UJ | 4.1 UJ | — | 6.4 J | 2.6 UJ | 2.6 UJ | 2.6 | 3.1 | 4.2 B | 2.3 B | | |
| Vanadium | 21.8 J | 8.5 J | — | 4.4 | 1.2 | 54.5 | 19.5 | 42.3 | 15.8 J | 10.1 B | | |
| Zinc | 54.3 | 14.6 J | — | 21.8 J | 25.4 J | 92.8 | 35.2 | 99.0 J | 30.7 | 33.9 | | |
| **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.

EarthTech
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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) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | TRIGGER LEVEL | CRQL |
| **Inorganics - Metals (Dissolved)[14]** | | | | Insufficient Volume | | | | | | | | |
| Aluminum | 36.6 | 16.4 | 22.3 | — | 20.8 | 14.8 | 14.8 | 29.1 | 38.8 B | 31.0 B | | **200** |
| Antimony | 6.7 | 4.0 | 2.7 UJ | — | 4.0 | 4.0 | 4.0 | 4.7 | 2.4 U | 2.4 U | 60 | **60** |
| Arsenic | 3.8 | 3.8 UJ | 3.5 | — | 4.0 | 4.0 | 4.0 J | 5.3 | 2.4 U | 2.4 UJ | 20 | **10** |
| Barium | 112 | 57.4 | 104 | — | 102 | 104 | 99.6 | 97.7 | 90.1 B | 91.8 J | 1,000 | **200** |
| Beryllium | 0.10 | 0.10 | 0.10 | — | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Cadmium | 0.10 | 0.10 | 0.10 | — | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Calcium | 133,000 | 92,600 | 133,000 | — | 127,000 | 137,000 | 127,000 | 130,000 | 119,000 | 115,000 | | **5,000** |
| Chromium | 0.80 | 0.80 | 6.0 | — | 3.8 | 3.6 | 5.9 | 2.3 | 2.2 B | 2.3 B | 11 | **10** |
| Cobalt | 0.60 | 0.60 | 0.40 | — | 0.70 | 0.70 | 0.70 | 0.40 | 0.20 U | 0.40 B | | **50** |
| Copper | 0.70 | 0.70 | 0.80 | — | 1.4 | 1.4 | 4.0 | 0.70 | 3.8 B | 2.5 B | 25 | **25** |
| Iron | 10.5 | 10.5 | 7.3 J | — | 15.5 | 12.9 | 12.9 | 8.1 | 58.4 B | **202** | 7,000 | **100** |
| Lead | 1.4 | 1.4 | 1.7 | — | 1.8 | 1.8 | 1.8 | 2.1 UJ | 0.80 U | 0.80 U | 4.2 | **3** |
| Magnesium | 55,900 | 25,700 | 48,300 | — | 46,800 | 49,400 | 47,100 | 48,100 | 41,600 | 40,400 | | **5,000** |
| Manganese | 65.0 | 11.9 | 32.3 | — | 29.5 | 13.8 J | 30.4 J | 12.8 | 5.3 B | 128 | | **15** |
| Mercury | 0.10 | 0.10 | 0.10 UJ | — | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 0.2 | **0.2** |
| Nickel | 0.40 | 0.50 | 1.1 | — | 0.90 | 0.50 | 0.50 | 0.80 | 0.40 U | 1.2 B | 96 | **40** |
| Potassium | 8,910 | 3,800 J | 8,300 | — | 9,000 | 8,420 | 8,280 | 9,340 J | 7,010 | 7,530 | | **5,000** |
| Selenium | 3.5 UJ | 3.5 UJ | 3.0 | — | 4.9 UJ | 4.9 | 4.9 | 4.5 UJ | 3.9 U | 3.9 UJ | 8.5 | **5** |
| Silver | 1.1 | 1.4 | 0.6 | — | 1.0 UJ | 1.0 | 1.0 | 2.1 | 0.30 U | 0.30 U | 10 | **10** |
| Sodium | 126,000 | 56,700 | 110,000 | — | 101,000 | 117,000 | 117,000 | 118,000 | 92,500 J | 101,000 | | **5,000** |
| Thallium | 4.1 | 4.1 | 5.4 | — | 2.6 | 2.6 | 2.6 | 3.1 | 3.1 B | 1.7 UJ | 40 | **10** |
| Vanadium | 16.0 | 5.6 | 1.6 | — | 1.2 | 25.5 | 1.2 | 13.2 | 13.7 B | 5.7 B | | **50** |
| Zinc | 5.5 | 1.1 | 11.1 | — | 4.9 | 1.3 | 0.7 | 1.1 | **23.0** | 16.0 B | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 19,800 J | 28,300 | 10,900 | 23,900 | 26,900 J | 6,160 | 1,800 | 3,140 J | 12,500 J | 5,460 | | |
| Antimony | 15.5 | 4.0 | 2.7 UJ | 4.0 UJ | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 UJ | 2.4 U | | |
| Arsenic | 4.5 | 31.1 J | 6.9 | 80.5 J | 8.6 | 5.4 | 4.0 UJ | 5.3 | 20.8 J | 2.4 UJ | | |
| Barium | 464 | 457 | 269 | 445 | 482 | 185 | 138 | 161 | 405 | 183 B | | |
| Beryllium | 0.90 | 1.8 | 0.7 | 1.2 | 1.4 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | | |
| Cadmium | 0.10 | 0.30 | 0.10 | 0.80 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | | |
| Calcium | 274,000 J | 414,000 | 247,000 | 424,000 | 490,000 | 176,000 | 148,000 | 150,000 | 217,000 | 161,000 | | |
| Chromium | 42.5 | 66.3 | 30.8 | 55.0 | 55.6 J | 15.1 | 10.4 | 16.0 | 39.2 J | 16.2 | | |
| Cobalt | 20.5 | 29.1 | 11.4 | 22.8 | 30.7 | 4.4 | 2.3 | 3.0 | 16.0 B | 5.7 B | | |
| Copper | 40.8 J | 81.9 | 22.9 J | 50.0 J | 29.6 | 1.6 | 7.5 | 30.9 J | 31.7 J | 16.6 B | | |
| Cyanide | 0.6 | 0.7 | 0.6 | — | 0.6 | 0.6 | 0.6 | 7.1 | 0.60 U | — | 10.0 | **10.0** |
| Iron | 48,000 J | 64,200 | 26,900 | 59,200 | 64,400 | 11,900 | 4,800 | 7,350 | 35,100 | 14,400 | | |
| Lead | 32.3 | 48.1 | 21.1 | 39.7 J | 52.2 | 11.4 J | 5.4 | 5.3 | 26.5 J | 13.7 | | |
| Magnesium | 79,000 J | 107,000 | 71,000 | 104,000 | 99,500 | 56,600 | 51,000 | 51,000 | 60,700 | 50,100 | | |
| Manganese | 1,430 J | 2,210 | 896 | 2,130 J | 2,620 | 402 | 204 J | 276 | 1,290 | 614 | | |
| Mercury | 0.1 | 0.1 | 0.3 J | 0.1 J | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 UJ | 0.10 U | | |
| Nickel | 15.8 | 66.5 | 27.5 J | 59.3 J | 68.4 | 11.6 | 3.9 | 7.4 | 41.9 | 15.8 B | | |
| Potassium | 13,200 | 17,500 | 11,000 | 15,000 J | 14,000 J | 9,630 | 8,410 | 8,490 J | 9,530 J | 8,620 | | |
| Selenium | 3.5 R | 3.5 R | 3.0 | 3.5 R | 5.0 | 4.9 | 4.9 UJ | 4.5 UJ | 3.9 UJ | 3.9 R | | |
| Silver | 1.1 | 9.8 | 0.6 | 6.2 J | 1.0 | 1.0 | 1.0 | 3.3 | 0.30 U | 0.30 U | | |
| Sodium | 122,000 J | 119,000 | 116,000 | 134,000 J | 109,000 | 110,000 | 117,000 | 118,000 | 96,500 | 105,000 | | |
| Thallium | 4.1 UJ | 4.1 | 5.8 | 9.9 J | 2.6 UJ | 2.6 UJ | 2.6 | 3.1 | 1.7 U | 1.7 U | | |
| Vanadium | 42.8 J | 56.5 | 1.6 | 45.2 | 269 | 39 | 1.2 | 18.8 | 40.0 J | 19.6 B | | |
| Zinc | 150.0 | 219 | 88.9 J | 171 J | 184 J | 35 | 14.4 | 31.3 J | 164 | 55 | | |
| **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.

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

| | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Compound** | **Sep-05** | **Dec-05** | **Mar-06** | **Jun-06** | **Sep-06** | **Nov-06** | **Mar-07** | **Jun-07** | **Sep-07** | **TRIGGER LEVEL** | **CRQL** |
| **Inorganics - Metals (Dissolved)**[14] | Well Dry | Well Dry | Insufficient Volume | Well Dry | Insufficient Volume | Insufficient Volume | Insufficient Volume | Insufficient Volume | Insufficient Volume | | |
| **Inorganics - Metals and Cyanide (Total)** | — | — | — | — | — | — | — | — | — | | |
| **Volatile Organic Compounds (VOCs)** | — | — | BRL | — | BRL | — | BRL | — | — | | |
| **Semi-Volatile Organic Compounds (SVOCs)** | — | — | BRL | — | — | — | — | — | — | | |
| **Pesticides / PCBs** | — | — | — | — | — | — | — | — | — | | |

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

# Skinner Landfill
# West Chester, Ohio
# Groundwater Analysis Summary Table for GW-63

| Compound | Quarterly Sampling Result (All Results Expressed in Units of µg/l) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Dec-06 | Mar-07 | Jun-07 | Sep-07 | TRIGGER LEVEL | CRQL |
| **Inorganics - Metals (Dissolved)**[14] | | | | | | | | | | | | |
| Aluminum | 31.7 | 322 | 14.9 | 16.4 | 16.3 | 14.8 | 14.8 | 29.1 | 15.4 U | 15.4 U | | **200** |
| Antimony | 6.4 | 4.0 | 2.7 UJ | 4.0 | 4.0 | 4.0 | 4.0 | 4.4 | 2.4 U | 2.4 U | 60 | **60** |
| Arsenic | 3.8 | 3.8 UJ | 3.5 | 7.5 J | 4.0 | 4.0 | 4.0 | 5.3 | 2.4 U | 2.4 U | 20 | **10** |
| Barium | 31.0 | 117 | 71.7 | 33.8 | 29.1 | 56.4 | 39.8 J | 27.6 | 31.0 B | 44.5 J | 1,000 | **200** |
| Beryllium | 0.10 | 0.10 | 0.00 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Cadmium | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Calcium | 245,000 | 141,000 | 291,000 | 279,000 | 173,000 | 232,000 | 277,000 | 320,000 | 213,000 | 240,000 | | **5,000** |
| Chromium | 0.80 | 0.80 | 7.7 | 0.80 | 2.5 | 3.0 | 2.5 J | 1.2 | 2.0 B | 1.9 B | 11 | **10** |
| Cobalt | 2.1 | 0.60 | 2.8 | 1.6 | 1.5 | 1.5 | 1.3 | 0.40 | 1.1 B | 1.9 B | | **50** |
| Copper | 0.70 | 1.5 | 0.80 | 0.70 | 1.4 | 1.4 | 2.9 | 0.70 | 4.2 B | 0.70 U | 25 | **25** |
| Iron | **1,840** | **383** | **583** J | 10.5 | **189** | **253** | **173** | 15.1 | **114** | 8.5 U | 7,000 | **100** |
| Lead | 1.4 | 1.4 | 1.7 | 1.4 UJ | 1.8 | 1.8 | 1.8 | 2.1 UJ | 0.80 U | 0.80 UJ | 4.2 | **3** |
| Magnesium | 56,800 | 54,200 | 65,900 | 64,300 | 38,400 | 49,900 | 65,900 | 80,300 | 49,900 | 51,900 | | **5,000** |
| Manganese | 1,980 | 120 | 2,290 | 481 J | 1,200 | 1,790 J | 985 J | 441 | 1,300 | 887 J | | **15** |
| Mercury | 0.10 | 0.10 | 0.10 J | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 0.2 | **0.2** |
| Nickel | 0.40 | 1.7 | 3.8 | 3.2 | 2.1 | 2.2 | 2.3 | 1.3 | 2.0 B | 3.2 B | 96 | **40** |
| Potassium | 7,300 | 10,600 J | 9,120 | 5,720 J | 5,550 | 8,280 | 6,300 J | 6,640 J | 5,440 | 6,680 J | | **5,000** |
| Selenium | 3.5 J | 3.5 UJ | 3.0 | 3.5 R | 4.9 UJ | 4.9 | 4.9 UJ | 4.5 UJ | 3.9 U | 3.9 UJ | 8.5 | **5** |
| Silver | 1.1 | 2.4 | 0.60 | 1.1 | 1.0 | 1.0 | 1.0 | 2.1 | 0.30 U | 0.30 U | 10 | **10** |
| Sodium | 66,300 | 120,000 | 68,000 | 38,600 | 30,000 | 48,900 | 44,800 | 48,400 | 33,100 J | 49,400 J | | **5,000** |
| Thallium | 4.1 | 4.1 | 7.7 | 4.1 | 2.6 | 2.6 | 2.6 | 3.1 | 5.8 B | 5.0 B | 40 | **10** |
| Vanadium | 14.7 | 6.8 | 1.6 | 0.9 | 1.2 | 25.3 | 15.2 | 17.9 | 16.4 B | 9.2 B | | **50** |
| Zinc | 10.2 | **36.6** | 12.7 | 1.1 | 0.7 | 0.7 | 9.2 | 1.1 | 19.5 B | 5.5 B | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 99,900 J | 39,100 | 28,500 | 16,300 | 26,400 J | 14,700 | 13,100 J | 17,600 J | 13,200 J | 1,730 J | | |
| Antimony | 53.5 | 4.0 | 2.7 J | 4.0 UJ | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 UJ | 2.4 U | | |
| Arsenic | 3.8 | 40.9 J | 14.9 | 56.3 J | 15.5 | 11.5 | 4.0 | 5.3 | 20.4 | 2.4 U | | |
| Barium | 617 | 315 | 238 | 117 | 204 | 152 | 118 J | 124 | 119 B | 53.1 J | | |
| Beryllium | 5.3 | 3.0 | 1.8 | 1.1 | 1.4 | 0.70 | 0.80 | 0.10 | 0.10 U | 0.10 U | | |
| Cadmium | 0.1 | 0.5 | 0.1 | 1.7 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | | |
| Calcium | 922,000 J | 737,000 | 431,000 | 335,000 | 412,000 | 343,000 | 351,000 | 507,000 | 305,000 | 266,000 | | |
| Chromium | 120 | 66.4 | 46.1 | 25.4 | 36.5 J | 22.3 | 31.2 J | 31.6 | 21.5 J | 4.1 B | | |
| Cobalt | 99.3 | 43.8 | 29.4 | 14.2 | 26.2 | 16.1 | 13.4 | 16.5 | 14.1 B | 3.3 B | | |
| Copper | 187 J | 94.9 | 51.8 J | 110 J | 22.1 | 6.4 | 23.3 | 50.2 J | 24.8 J | 6.3 B | | |
| Cyanide | 0.6 | 0.8 | 0.6 | 1.5 | 0.7 | 3.1 | 0.6 | 0.6 | 0.60 U | 10.3 | 10 | **10** |
| Iron | 223,000 J | 88,300 | 63,600 | 37,000 | 56,900 | 36,100 | 32,100 | 40,600 | 33,700 | 4,620 J | | |
| Lead | 140 | 46.8 | 42.9 | 28.1 J | 40.1 | 26.4 J | 16.0 | 24.1 | 22.8 J | 2.5 B | | |
| Magnesium | 184,000 J | 118,000 | 102,000 | 81,600 | 96,100 | 77,500 | 83,700 | 114,000 | 73,500 | 56,600 | | |
| Manganese | 8,490 J | 6,100 | 3,820 | 1,590 | 3,250 | 2,860 | 2,150 J | 2,160 | 2,390 | 1,220 J | | |
| Mercury | 0.2 | 0.1 | 1.1 J | 0.1 UJ | 0.1 | 0.1 | 0.1 | 0.10 | 0.10 UJ | 0.10 U | | |
| Nickel | 171 | 85.4 | 60.1 J | 35.4 J | 51.5 | 32.4 | 29.1 | 32.9 | 29.9 B | 8.2 B | | |
| Potassium | 22,000 | 19,000 | 13,500 | 8,690 J | 12,400 J | 10,800 | 8,240 J | 9,330 J | 7,990 J | 7,570 J | | |
| Selenium | 3.5 R | 3.5 R | 3.0 | 3.5 R | 4.9 | 5.9 J | 4.9 UJ | 4.5 UJ | 3.9 UJ | 3.9 R | | |
| Silver | 1.1 | 12.4 | 2.3 | 1.1 | 1.0 UJ | 1.5 | 2.5 | 2.1 | 0.30 U | 0.30 U | | |
| Sodium | 71,100 J | 77,700 | 63,500 | 39,000 J | 37,900 | 50,100 | 45,300 | 46,900 | 38,500 | 54,800 J | | |
| Thallium | 4.1 UJ | 4.1 | 5.2 | 9.8 | 2.6 UJ | 2.6 UJ | 2.6 | 3.1 | 4.7 B | 7.4 J | | |
| Vanadium | 1.0 J | 72.7 | 11.4 | 27.8 | 12.6 | 59.0 | 41.1 | 52.9 | 42.0 J | 10.2 B | | |
| Zinc | 637 | 233 | 188 J | 311 J | 148 J | 92 | 99 | 142 J | 115 | 23.6 | | |
| **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.

EarthTech
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# Skinner Landfill
# West Chester, Ohio
# Groundwater Analysis Summary Table for GW-64

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | TRIGGER LEVEL | CRQL |
| **Inorganics - Metals (Dissolved)**[14] | | | | | | | | | | | | |
| Aluminum | 23.4 | 16.4 | 20.8 | 16.4 | 14.8 | 14.8 | 14.8 | 29.1 | 15.4 U | 15.4 U | | **200** |
| Antimony | 5.8 | 4.0 | 2.7 UJ | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 U | 2.4 U | 60 | **60** |
| Arsenic | 3.8 | 3.8 UJ | 3.5 | 5.8 J | 4.0 | 4.0 | 4.0 | 5.3 | 2.4 U | 2.4 U | 20 | **10** |
| Barium | 32.1 | 64.6 | 41.5 | 39.4 J | 35.0 | 44.6 | 34.3 J | 35.7 | 40.6 B | 40.2 J | 1,000 | **200** |
| Beryllium | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Cadmium | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Calcium | 181,000 | 234,000 | 173,000 | 207,000 | 163,000 | 182,000 | 166,000 | 179,000 | 168,000 | 164,000 | | **5,000** |
| Chromium | 0.80 | 0.80 | 6.6 | 0.80 | 4.2 | 4.5 | 2.5 J | 2.3 | 2.7 B | 3.1 B | 11 | **10** |
| Cobalt | 0.60 | 2.00 | 1.00 | 0.70 | 0.70 | 0.70 | 0.70 | 0.40 | 0.20 U | 0.20 U | | **50** |
| Copper | 0.70 | 0.70 | 0.80 | 0.70 | 1.4 | 1.4 | 3.8 | 0.70 | 4.9 B | 3.5 B | 25 | **25** |
| Iron | 10.5 | **128** | 2.9 | 10.5 | 12.9 | 12.9 | 12.9 | 8.1 | 59.2 B | 8.5 U | 7,000 | **100** |
| Lead | 1.4 | 1.4 | 1.7 | 1.4 UJ | 1.8 | 1.8 | 1.8 | 2.1 UJ | 0.80 U | 0.80 U | 4.2 | **3** |
| Magnesium | 57,300 | 51,700 | 52,800 | 71,600 | 52,400 | 58,000 | 52,500 | 57,100 | 51,700 | 49,600 | | **5,000** |
| Manganese | 115 | 1,970 | 469 | 783 J | 25.0 | 195.0 J | 264.0 J | 147 | 302 | 269 | | **15** |
| Mercury | 0.10 | 0.10 | 0.10 J | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 0.2 | **0.2** |
| Nickel | 0.40 | 3.5 | 4.5 | 9.0 | 3.0 | 2.7 | 2.4 | 1.6 | 1.8 B | 2.4 B | 96 | **40** |
| Potassium | 10,100 | 10,400 J | 10,800 | 15,400 J | 8,910 | 12,400 | 7,530 J | 9,720 J | 7,890 | 8,920 J | | **5,000** |
| Selenium | 3.5 UJ | 3.5 UJ | 3.0 | 3.5 R | 4.9 UJ | 4.9 | 4.9 UJ | 4.5 UJ | 3.9 U | 3.9 UJ | 8.5 | **5** |
| Silver | 1.1 | 1.7 | 0.60 | 1.1 | 1.0 UJ | 1.0 | 1.0 | 2.1 | 0.30 U | 0.30 U | 10 | **10** |
| Sodium | 46,300 | 74,700 | 51,700 | 68,100 | 42,800 | 53,900 | 35,600 | 42,200 | 36,700 J | 39,600 J | | **5,000** |
| Thallium | 4.1 | 4.1 | 9.8 | 4.1 | 2.6 | 2.6 | 2.6 | 3.1 | 3.4 B | 1.7 U | 40 | **10** |
| Vanadium | 15.8 | 6.2 | 1.6 | 1.2 | 1.2 | 26.9 | 12.7 | 14.1 | 15.9 B | 10.5 B | | **50** |
| Zinc | 7.5 | 4.7 | 12.2 | 1.1 | 0.7 | 0.7 | 7.8 | 1.1 | 12.6 B | 10.2 B | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 66,200 J | 23,500 | 31,500 | 8,050 | 6,580 J | 10,000 | 15,900 J | 11,000 J | 13,700 J | 1,780 J | | |
| Antimony | 33.4 | 4.0 | 2.7 UJ | 4.0 UJ | 4.0 | 4.0 | 4.0 | 4.1 | 2.4 UJ | 2.4 U | | |
| Arsenic | 3.8 | 16.8 | 9.4 | 34.5 J | 4.0 | 4.0 | 4.0 | 5.3 | 15.9 | 2.4 U | | |
| Barium | 174 | 109 | 111 | 67.9 | 58.2 | 70.5 | 79.3 J | 73.0 | 74.8 B | 49.8 J | | |
| Beryllium | 3.7 | 1.4 | 1.9 | 0.30 | 0.50 | 0.50 | 0.80 | 0.10 | 0.10 U | 0.10 U | | |
| Cadmium | 0.1 | 0.1 | 0.1 | 0.30 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | | |
| Calcium | 441,000 J | 267,000 | 333,000 | 241,000 | 194,000 | 229,000 | 277,000 | 280,000 | 230,000 | 186,000 | | |
| Chromium | 93.8 | 44.3 | 53.7 | 15.400 | 13.5 J | 19.1 | 41.2 J | 23.4 | 25.4 J | 5.4 B | | |
| Cobalt | 63.9 | 21.0 | 30.2 | 10.9 | 7.9 | 12.0 | 17.7 | 13.1 | 15.3 B | 3.0 B | | |
| Copper | 66.4 J | 37.3 | 36.5 J | 9.0 J | 1.4 | 1.4 | 11.7 | 36.2 J | 14.9 J | 6.8 B | | |
| Cyanide | 0.6 | 0.7 | 0.6 | 3.5 | 0.7 | 14.9 | 0.6 | 0.6 | 0.60 U | 7.3 B | 10 | **10** |
| Iron | 150,000 J | 49,900 | 74,100 | 21,300 | 14,900 | 23,900 | 39,500 | 22,900 | 31,800 | 4,080 J | | |
| Lead | 58.9 | 13.5 | 27.1 | 5.8 J | 6.8 | 10.9 J | 8.3 | 12.1 | 10.9 J | 2.1 B | | |
| Magnesium | 105,000 J | 71,600 | 79,200 | 77,600 | 59,400 | 65,300 | 70,800 | 78,000 | 62,500 | 53,600 | | |
| Manganese | 4,290 J | 2,140 | 2,830 | 2,750 J | 1,190 | 1,760 | 2,430 J | 2,290 | 1,920 | 702 J | | |
| Mercury | 0.1 | 0.1 | 0.900 J | 0.1 UJ | 0.1 | 0.1 | 0.1 | 0.1 | 0.10 UJ | 0.10 U | | |
| Nickel | 102 | 44.6 | 64.800 J | 28.5 J | 15.9 | 25.3 | 36.0 | 25.7 | 32.0 B | 5.7 B | | |
| Potassium | 21,000 | 16,100 | 16,000 | 16,400 J | 9,990 J | 14,100 | 11,200 J | 17,000 J | 11,900 J | 8,710 J | | |
| Selenium | 3.5 R | 3.5 | 4.1 | 3.5 R | 4.9 | 4.9 | 4.9 UJ | 4.5 UJ | 3.9 UJ | 3.9 R | | |
| Silver | 1.1 | 7.0 | 3.4 | 1.1 | 1.0 UJ | 1.0 | 4.3 | 2.1 | 0.30 U | 0.30 U | | |
| Sodium | 46,300 J | 45,100 | 51,800 | 65,500 J | 41,400 | 54,800 | 39,500 | 59,600 | 40,600 | 39,500 J | | |
| Thallium | 4.1 UJ | 4.1 | 5.2 | 7.0 J | 2.6 UJ | 2.6 UJ | 2.6 | 3.1 | 4.2 B | 6.1 B | | |
| Vanadium | 89.3 J | 42.4 | 11.0 | 14.5 | 1.2 | 44.4 | 41.1 | 34.2 | 36.8 J | 12.9 B | | |
| Zinc | 337 | 112 | 166 | 41.0 J | 31.9 J | 52.4 | 88.5 | 78.9 J | 93.0 | 16.2 B | | |
| **Volatile Organic Compounds (VOCs)** | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | | |
| **Semi-Volatile Organic Compounds (SVOCs)** | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | | |
| **Pesticides / PCBs** | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | | |

Notes:
1) All results expressed in micrograms per liter (µg/L).
2) Standard Inorganic Data Qualifiers have been used.
3) Results in BOLD indicate a detection above the Contract Required Quantitation Limit (CRQL). An analyte is only bolded if there is a corresponding Trigger Level.
4) Results shaded yellow, BOLD, and red with a thick outline indicates a detection above the Trigger Level.
5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
6) — = No Sample Available (Well Dry or Insufficient Volume)
7) U = Indicates compound was analyzed for but not detected.
8) B = (Inorganics) Indicates the result is between the Reporting Detection Limit (RDL) and Method Detection Limit (MDL) but below CRQL.
9) B = (Organics) Indicates the analyte was detected in the Method Blank.
10) UJ = A value less than the CRQL but greater than the MDL.
11) J = The analyte was positively identified; the associated numerical value is the estimated concentration of analyte in the sample.
12) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
13) CRQL = Contract Required Quantitation Limit
14) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
15) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.
16) Switch to different format for fourth quarter 2007

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# 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | | |
| **Inorganics - Metals (Dissolved)**[14] | Well Dry | Insufficient Volume | Well Dry | Insufficient Volume | Well Dry | Insufficient Volume | Insufficient Volume | Insufficient Volume | Insufficient Volume | Insufficient Volume | | |
| Aluminum | — | — | — | — | — | — | — | — | — | — | | **200** |
| Antimony | — | — | — | — | — | — | — | — | — | — | 60 | **60** |
| Arsenic | — | — | — | — | — | — | — | — | — | — | 10 | **10** |
| Barium | — | — | — | — | — | — | — | — | — | — | 1,000 | **200** |
| Beryllium | — | — | — | — | — | — | — | — | — | — | 5 | **5** |
| Cadmium | — | — | — | — | — | — | — | — | — | — | 5 | **5** |
| Calcium | — | — | — | — | — | — | — | — | — | — | | **5,000** |
| Chromium | — | — | — | — | — | — | — | — | — | — | 11 | **10** |
| Cobalt | — | — | — | — | — | — | — | — | — | — | | **50** |
| Copper | — | — | — | — | — | — | — | — | — | — | 25 | **25** |
| Iron | — | — | — | — | — | — | — | — | — | — | 5,000 | **100** |
| Lead | — | — | — | — | — | — | — | — | — | — | 4.2 | **3** |
| Magnesium | — | — | — | — | — | — | — | — | — | — | | **5,000** |
| Manganese | — | — | — | — | — | — | — | — | — | — | | **15** |
| Mercury | — | — | — | — | — | — | — | — | — | — | 0.2 | **0.2** |
| Nickel | — | — | — | — | — | — | — | — | — | — | 96 | **40** |
| Potassium | — | — | — | — | — | — | — | — | — | — | | **5,000** |
| Selenium | — | — | — | — | — | — | — | — | — | — | 8.5 | **5** |
| Silver | — | — | — | — | — | — | — | — | — | — | 10 | **10** |
| Sodium | — | — | — | — | — | — | — | — | — | — | | **5,000** |
| Thallium | — | — | — | — | — | — | — | — | — | — | 40 | **10** |
| Vanadium | — | — | — | — | — | — | — | — | — | — | | **50** |
| Zinc | — | — | — | — | — | — | — | — | — | — | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | — | — | — | — | — | — | — | — | — | — | | |
| Antimony | — | — | — | — | — | — | — | — | — | — | | |
| Arsenic | — | — | — | — | — | — | — | — | — | — | | |
| Barium | — | — | — | — | — | — | — | — | — | — | | |
| Beryllium | — | — | — | — | — | — | — | — | — | — | | |
| Cadmium | — | — | — | — | — | — | — | — | — | — | | |
| Calcium | — | — | — | — | — | — | — | — | — | — | | |
| Chromium | — | — | — | — | — | — | — | — | — | — | | |
| Copper | — | — | — | — | — | — | — | — | — | — | | |
| Cyanide | — | — | — | — | — | — | — | — | — | — | 10 | **10** |
| Iron | — | — | — | — | — | — | — | — | — | — | | |
| Lead | — | — | — | — | — | — | — | — | — | — | | |
| Magnesium | — | — | — | — | — | — | — | — | — | — | | |
| Manganese | — | — | — | — | — | — | — | — | — | — | | |
| Mercury | — | — | — | — | — | — | — | — | — | — | | |
| Nickel | — | — | — | — | — | — | — | — | — | — | | |
| Potassium | — | — | — | — | — | — | — | — | — | — | | |
| Selenium | — | — | — | — | — | — | — | — | — | — | | |
| Silver | — | — | — | — | — | — | — | — | — | — | | |
| Sodium | — | — | — | — | — | — | — | — | — | — | | |
| Thallium | — | — | — | — | — | — | — | — | — | — | | |
| Vanadium | — | — | — | — | — | — | — | — | — | — | | |
| Zinc | — | — | — | — | — | — | — | — | — | — | | |
| **Volatile Organic Compounds (VOCs)** | — | BRL | — | BRL | — | BRL | — | BRL | BRL | — | | |
| **Semi-Volatile Organic Compounds (SVOCs)** | — | — | — | — | — | BRL | — | — | BRL | — | | |
| **Pesticides / PCBs** | — | — | — | — | — | 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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# 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) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mar-05 | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | TRIGGER LEVEL | CRQL |
| **Inorganics - Metals (Dissolved)**[14] | | | | | | | | | | | | | |
| Aluminum | 55.3 | 25.2 | 16.4 | 25.1 | 16.4 | 14.8 | 14.8 | 22.7 | 16.4 | 15.4 U | 19.7 B | | **200** |
| Antimony | 5.9 | 4.0 | 4.0 | 2.7 | 4.7 | 4.0 | 4.0 | 4.0 | 5.7 | 2.4 U | 2.4 U | 60 | **60** |
| Arsenic | 5.4 | 6.8 | 3.8 UJ | 3.5 | 3.8 UJ | 4.0 | 4.0 | 4.0 UJ | 3.8 | 2.4 U | 2.4 U | 20 | **10** |
| Barium | 40.2 | 53.1 | 57.5 | 50.6 | 43.4 | 43.6 | 50.9 | 41.3 | 37.8 | 45.4 B | 67.6 B | 1,000 | **200** |
| Beryllium | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Cadmium | 0.30 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Calcium | 93,500 | 89,000 | 90,900 | 110,000 | 99,500 | 72,300 | 94,600 | 80,300 J | 84,900 | 74,800 | 103,000 | | **5,000** |
| Chromium | 1.5 | 5.4 | 0.8 | 3.8 | 3.0 | 1.8 | 1.8 | 2.8 | 1.8 | 1.1 B | 2.4 B | 11 | **10** |
| Cobalt | 0.60 | 0.60 | 0.60 | 0.40 | 0.60 | 0.70 | 0.70 | 0.70 | 0.60 | 0.20 U | 0.20 U | | **50** |
| Copper | 1.2 | 0.7 | 1.7 | 0.8 | 0.7 | 1.4 | 1.4 | 1.4 | 0.7 | 4.1 B | 0.7 U | 25 | **25** |
| Iron | 9.1 | 10.5 | 10.5 | 43.7 | 10.5 | 14.4 | 12.9 | 12.9 | 10.5 | 9.3 B | 10.2 B | 7,000 | **100** |
| Lead | 2.4 UJ | 1.4 UJ | 1.4 | 2.0 | 1.4 UJ | 1.8 | 1.8 | 1.8 | 1.4 UJ | 0.80 U | 0.80 U | 4.2 | **3** |
| Magnesium | 30,900 | 28,000 | 25,700 | 30,800 | 27,000 | 22,100 | 25,100 | 22,700 J | 21,200 | 22,900 | 29,200 | | **5,000** |
| Manganese | 0.9 | 7.4 J | 3.5 | 0.1 | 4.4 | 1.9 | 2.3 | 2.9 J | 7.5 | 13.7 B | 3.5 B | | **15** |
| Mercury | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 0.2 | **0.2** |
| Nickel | 1.1 | 0.40 UJ | 0.40 | 0.40 | 0.40 | 0.50 | 0.50 | 0.50 | 0.40 | 0.40 U | 0.40 U | 96 | **40** |
| Potassium | 1,870 | 3,460 | 3,960 J | 3,110 | 1,620 | 2,860 J | 3,370 | 2,590 J | 2,830 | 3,130 B | 4,760 J | | **5,000** |
| Selenium | 4.4 R | 3.5 R | 3.5 UJ | 4.3 | 3.5 UJ | 4.9 UJ | 4.9 | 4.9 R | 3.5 R | 3.9 U | 3.9 UJ | 8.5 | **5** |
| Silver | 0.9 | 1.1 | 1.1 | 0.6 | 1.1 | 1.0 | 1.0 | 1.0 | 1.1 | 0.30 U | 0.30 B | 10 | **10** |
| Sodium | 90,000 | 53,000 | 54,200 | 100,000 | 37,700 | 45,900 | 45,100 | 29,800 J | 79,400 | 42,400 | 42,500 | | **5,000** |
| Thallium | 6.3 UJ | 4.1 | 4.1 | 7.1 | 4.1 | 2.6 | 2.6 | 2.6 | 4.1 | 3.0 B | 3.3 B | 40 | **10** |
| Vanadium | 9.5 | 11.5 | 5.1 | 1.6 | 2.6 | 1.2 | 15.2 | 1.2 | 7.0 | 9.7 B | 1.1 B | | **50** |
| Zinc | 3.7 | 8.3 | 1.1 | 11.1 | 7.9 | 1.3 | **73.6** J | 0.70 | 1.1 | 3.1 B | 8.8 B | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | | |
| Aluminum | 55.3 | 46.2 | 36.8 | 21.8 | 16.4 | 36.7 | 14.8 | 82.1 | 609 | 15.4 U | 36.9 B | | |
| Antimony | 3.9 | 4.0 | 4.0 | 2.7 | 6.6 | 4.0 | 4.0 | 4.0 | 4.0 | 2.4 U | 2.4 U | | |
| Arsenic | 5.4 | 7.2 | 3.8 UJ | 3.5 | 3.8 UJ | 4.0 | 4.0 | 4.0 UJ | 3.8 | 2.4 U | 2.4 U | | |
| Barium | 40.1 | 50.5 | 58.9 | 50.5 | 42.9 | 43.6 | 49.6 | 42.8 | 42.2 | 43.9 B | 68.8 B | | |
| Beryllium | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | | |
| Cadmium | 0.30 | 0.10 | 0.10 | 0.10 | 0.40 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | | |
| Calcium | 92,900 | 85,200 | 91,800 | 108,000 | 104,000 | 72,200 | 92,800 | 82,300 | 85,300 | 71,900 | 106,000 | | |
| Chromium | 1.5 | 29.8 | 0.8 | 4.8 | 2.9 | 1.8 | 1.7 | 3.0 | 3.0 | 1.0 B | 2.5 B | | |
| Cobalt | 0.60 | 0.60 | 0.60 | 0.40 | 0.60 | 0.70 | 0.70 | 0.70 | 0.60 | 0.20 U | 0.20 U | | |
| Copper | 1.2 | 1.4 | 1.8 | 0.80 | 0.70 | 1.4 | 1.4 | 1.5 | 0.70 | 3.8 B | 0.70 U | | |
| Cyanide | 0.60 | 0.60 | 0.60 | 0.60 | 1.5 | 0.60 | 2.1 | 0.60 | 0.60 | 0.60 U | 0.60 U | 10 | **10** |
| Iron | 15.0 | 132.0 | 13.3 | 24.3 | 10.5 | 19.3 | 12.9 | 140 J | 1010 | 35.1 B | 71.7 B | | |
| Lead | 2.4 UJ | 1.4 UJ | 1.4 | 1.7 | 1.4 UJ | 1.8 | 1.8 | 1.8 | 1.4 UJ | 0.8 U | 0.9 J | | |
| Magnesium | 30,200 | 26,500 | 26,300 | 30,500 | 27,800 | 22,100 | 24,800 | 22,900 J | 21,500 | 21,900 | 29,600 | | |
| Manganese | 1.2 | 10.4 J | 5.4 | 0.1 | 1.4 | 3.3 | 3.9 | 6.4 J | 28.7 | 6.5 B | 5.8 B | | |
| Mercury | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | | |
| Nickel | 1.1 | 0.40 UJ | 0.40 | 0.60 U | 0.40 | 0.50 | 0.50 | 0.50 | 0.40 | 2.9 B | 0.40 U | | |
| Potassium | 1,760 | 3,310 | 3,950 R | 2,910 J | 1,600 | 2,880 J | 3,240 | 2,660 J | 2,960 | 3,020 B | 4,870 J | | |
| Selenium | 4.4 R | 3.5 R | 3.5 | 3.0 UJ | 3.5 UJ | 4.9 UJ | 4.9 UJ | 4.9 | 3.5 UJ | 3.9 U | 3.9 UJ | | |
| Silver | 0.9 | 1.1 | 1.2 | 0.6 | 1.1 | 1.0 | 1.0 | 1.0 | 1.1 | 0.30 U | 0.30 U | | |
| Sodium | 89,000 | 51,200 | 54,400 | 97,700 | 38,600 | 46,300 | 43,900 | 30,800 J | 78,600 | 41,300 | 43,000 J | | |
| Thallium | 6.3 | 4.1 | 4.1 | 5.9 | 4.1 | 2.6 | 2.6 | 2.6 | 4.1 | 1.7 U | 2.8 B | | |
| Vanadium | 9.7 | 11.8 | 4.3 | 1.6 | 2.1 | 1.2 | 15.5 | 1.2 | 8.4 | 7.6 B | 2.6 B | | |
| Zinc | 1.7 | 7.1 J | 9.8 | 6.0 | 6.6 | 1.3 | 4.5 | 1.8 | 1.1 | 3.1 B | 2.6 B | | |
| **Volatile Organic Compounds (VOCs)** | BRL | 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 | BRL | | |
| **Pesticides / PCBs** | BRL | 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.

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

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | TRIGGER LEVEL | CRQL |
| **Inorganics - Metals (Dissolved)**[14] | | | | | | | | | | | | |
| Aluminum | 18.1 | 16.4 | 12.5 | 16.4 | 14.8 | 14.8 | 14.8 | 16.4 | 15.4 U | 15.4 U | | **200** |
| Antimony | 4.0 | 4.0 | 2.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.4 U | 2.4 U | 60 | **60** |
| Arsenic | 8.7 | 3.8 UJ | 3.5 | 3.8 UJ | 4.0 | 4.0 | 4.0 UJ | 3.8 | 2.4 U | 2.4 U | 20 | **10** |
| Barium | 48.6 | 0.2 | 49.5 | 42.1 | 48.3 | 49.9 | 42.7 | 41.6 | 42.4 B | 60.1 B | 1,000 | **200** |
| Beryllium | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Cadmium | 0.10 | 0.30 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Calcium | 94,700 | 53.9 | 10,800 | 101,000 | 83,100 | 92,900 | 82,400 J | 103,000 | 68,700 | 97,600 | | **5,000** |
| Chromium | 12.7 | 1.3 | 3.7 | 2.8 | 1.8 | 1.8 | 2.8 | 2.3 | 1.1 B | 2.0 B | 11 | **10** |
| Cobalt | 0.60 | 0.60 | 0.40 | 0.60 | 0.70 | 0.70 | 0.70 | 0.60 | 0.20 U | 0.20 U | | **50** |
| Copper | 0.70 | 0.70 | 0.80 | 0.70 | 1.4 | 1.4 | 1.4 | 0.70 | 3.8 B | 0.70 U | 25 | **25** |
| Iron | 35.3 | 10.5 | 2.9 | 10.5 | 12.9 | 12.9 | 21.5 J | 10.5 | 12.6 B | 11.3 B | 7,000 | **100** |
| Lead | 1.4 UJ | 1.4 | 1.7 | 1.4 UJ | 1.8 | 1.8 | 1.8 | 1.4 UJ | 0.8 U | 0.8 U | 4.2 | **3** |
| Magnesium | 29,400 | 13.0 | 29,400 | 27,100 | 23,500 | 25,700 | 23,000 J | 28,400 | 22,300 | 26,600 | | **5,000** |
| Manganese | 4.8 J | 0.1 | 0.1 | 2.9 | 6.0 | 2.7 | 6.3 J | 4.4 | 22.4 | 20.7 | | **15** |
| Mercury | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 0.2 | **0.2** |
| Nickel | 0.40 UJ | 1.2 | 0.40 | 0.40 | 0.60 | 0.50 | 0.50 | 0.40 | 0.60 B | 0.40 U | 96 | **40** |
| Potassium | 3,060 | 54.2 | 2,840 J | 2,070 | 2,770 J | 3,300 | 2,770 J | 2,520 | 3,230 B | 4,290 J | | **5,000** |
| Selenium | 3.5 R | 3.5 | 3.0 UJ | 3.5 R | 4.9 UJ | 4.9 | 4.9 R | 3.5 R | 3.9 U | 3.9 UJ | 8.5 | **5** |
| Silver | 1.1 | 1.1 | 0.6 | 1.1 | 1.0 | 1.0 | 1.0 | 1.1 | 0.3 U | 0.3 U | 10 | **10** |
| Sodium | 53,700 | 400 | 100,000 | 36,400 | 45,200 | 45,800 | 30,200 J | 61,900 | 42,800 | 41,300 J | | **5,000** |
| Thallium | 4.1 | 4.1 | 6.5 | 4.1 | 2.6 | 2.6 | 2.6 | 4.1 | 2.7 B | 2.9 B | 40 | **10** |
| Vanadium | 13.2 | 0.6 | 1.6 | 2.3 | 1.2 | 15.6 | 1.2 | 8.0 | 5.9 B | 2.2 B | | **50** |
| Zinc | 9.3 | 2.6 | 9.5 | 4.1 | 1.9 | 2.8 J | 5.1 | 1.1 | 5.4 B | 5.0 B | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 43.6 | 30.1 | 21.2 | 16.4 | 36.2 | 23.4 | 512.0 | 60.4 | 15.4 U | 53.5 B | | |
| Antimony | 4.0 | 4.0 | 2.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.4 U | 2.4 U | | |
| Arsenic | 9.1 | 3.8 UJ | 3.5 | 3.8 UJ | 4.0 | 4.0 | 4.0 UJ | 3.8 | 2.4 U | 2.4 U | | |
| Barium | 50.4 | 52.0 | 50.3 | 41.9 | 48.2 | 48.4 | 30.0 | 42.6 | 39.5 B | 61.8 B | | |
| Beryllium | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | | |
| Cadmium | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | | |
| Calcium | 95,300 | 87,300 | 108,000 | 101,000 | 82,800 | 89,600 | 94,200 J | 105000 | 69,300 | 99,800 | | |
| Chromium | 7.6 | 0.8 | 3.9 | 3.3 | 2.0 | 1.8 | 2.8 | 2.5 | 1.1 B | 2.3 B | | |
| Cobalt | 0.60 | 0.60 | 0.40 | 0.60 | 0.70 | 0.70 | 1.10 | 0.60 | 0.20 U | 0.20 U | | |
| Copper | 0.70 | 0.90 | 0.80 | 0.70 | 1.4 | 1.4 | 1.4 | 0.70 | 3.9 B | 0.70 U | | |
| Cyanide | 0.60 | 0.60 | 8.00 | 0.60 | 0.60 | 0.70 | 0.60 | 0.60 | 0.60 U | 0.60 U | 10 | **10** |
| Iron | 27.9 U | 45.0 | 30.2 | 57.4 | 55.9 | 12.9 | 916.0 J | 77.8 | 64.4 B | 69.0 B | | |
| Lead | 1.4 UJ | 1.4 | 1.7 | 1.4 UJ | 1.8 | 1.8 | 1.8 | 1.4 UJ | 0.8 U | 1.1 J | | |
| Magnesium | 30,600 | 24,600 | 30,400 | 27,300 | 23,600 | 24,600 | 19,200 J | 28900 | 22,200 | 26,900 | | |
| Manganese | 5.4 J | 7.4 | 0.1 | 5.5 | 7.7 | 5.1 | 49.5 J | 6.2 | 20.9 | 23.7 | | |
| Mercury | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | | |
| Nickel | 0.40 UJ | 0.40 | 0.40 | 0.40 | 0.50 | 0.50 | 0.50 | 0.40 | 0.40 U | 0.40 U | | |
| Potassium | 3,080 | 3,610 | 2,840 J | 1,690 | 2,810 J | 3,200 | 3,200 J | 2,780 | 3,190 B | 4,430 J | | |
| Selenium | 3.5 R | 3.5 R | 3.0 UJ | 3.5 UJ | 4.9 UJ | 4.9 UJ | 4.9 | 3.5 | 3.9 U | 3.9 UJ | | |
| Silver | 1.1 | 1.1 | 0.60 | 1.1 | 1.0 | 1.0 | 1.0 | 1.1 | 0.30 U | 0.30 U | | |
| Sodium | 56,100 | 54,000 | 97,300 | 35,600 | 46,400 | 44,500 | 6,610 J | 62,800 | 41,700 | 42,100 J | | |
| Thallium | 4.1 | 4.1 | 4.6 | 4.1 | 2.6 | 2.6 | 2.6 | 4.1 | 1.9 B | 2.9 B | | |
| Vanadium | 12.9 | 5.1 | 1.6 | 2.0 | 1.2 | 15.5 | 1.2 | 8.6 | 8.9 B | 1.2 B | | |
| Zinc | 4.8 J | 1.1 | 8.4 | 5.8 | 0.7 | 2.9 | 13.3 | 1.1 | 8.2 B | 3.2 B | | |
| **Volatile Organic Compounds (VOCs)** | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | | |
| **Semi-Volatile Organic Compounds (SVOCs)** | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | 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.

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# 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) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | TRIGGER LEVEL | CRQL |
| **Inorganics - Metals (Dissolved)[14]** | | | | | | | | | | | | |
| Aluminum | 30.0 | 16.4 | 12.5 | 16.4 | 15.7 | 14.8 | 14.8 | 16.4 | 15.4 U | 18.5 B | | **200** |
| Antimony | 4.0 | 4.0 | 2.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.4 U | 2.4 U | 60 | **60** |
| Arsenic | 3.8 | 3.8 UJ | 3.5 | 3.8 UJ | 4.0 | 4.0 | 4.0 UJ | 3.8 | 2.4 U | 2.4 U | 20 | **10** |
| Barium | 48.2 | 51.4 | 51.2 | 41.1 | 48.0 | 53.1 | 43.8 | 44.8 | 47.4 B | 64.7 B | 1,000 | **200** |
| Beryllium | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Cadmium | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 5 | **5** |
| Calcium | 94,500 | 86,800 | 10,300 | 99,500 | 83,100 | 98,800 | 82,200 J | 108,000 | 74,700 | 105,000 | | **5,000** |
| Chromium | 0.8 | 0.8 | 3.8 | 3.9 | 1.8 | 2.0 | 2.9 | 4.3 | 1.1 B | 2.2 B | 11 | **10** |
| Cobalt | 0.60 | 0.60 | 0.40 | 0.60 | 0.70 | 0.70 | 0.70 | 0.60 | 0.20 U | 0.20 U | | **50** |
| Copper | 0.70 | 1.3 | 0.80 | 0.70 | 1.4 | 1.4 | 2.0 | 0.70 | 3.9 B | 0.70 U | 25 | **25** |
| Iron | 10.5 | 10.5 | 2.9 | 10.5 | 12.9 | 12.9 | 18.3 J | 10.5 | 8.5 U | 27.1 B | 7,000 | **100** |
| Lead | 1.4 UJ | 1.4 | 1.7 | 1.4 UJ | 1.8 | 1.8 | 1.8 | 1.4 UJ | 0.8 U | 1.0 J | 4.2 | **3** |
| Magnesium | 26,100 | 24,900 | 29,800 | 27,100 | 23,200 | 26,300 | 23,300 J | 30,300 | 21,700 | 27,100 | | **5,000** |
| Manganese | 3.9 J | 5.1 | 0.1 | 3.5 | 4.9 | 6.0 | 13.8 J | 6.2 | 21.4 | 25.9 | | **15** |
| Mercury | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | 0.2 | **0.2** |
| Nickel | 0.40 UJ | 0.40 | 0.40 | 0.40 | 0.50 | 0.50 | 0.50 | 0.40 | 0.40 U | 0.40 U | 96 | **40** |
| Potassium | 3,510 | 3,570 J | 2,720 J | 1,470 | 2,690 J | 3,390 | 2,730 J | 2,330 | 3,070 B | 4,370 J | | **5,000** |
| Selenium | 3.5 R | 3.5 UJ | 3.0 UJ | 3.5 UJ | 4.9 UJ | 4.9 | 4.9 R | 3.5 R | 3.9 U | 3.9 UJ | 8.5 | **5** |
| Silver | 1.1 | 1.3 | 0.60 | 2.0 | 1.0 | 1.0 | 1.0 | 1.1 | 0.30 U | 0.40 B | 10 | **10** |
| Sodium | 54,900 | 53,500 | 95,600 | 35,000 | 46,100 | 48,200 | 30,500 J | 65,200 | 41,800 | 42,200 J | | **5,000** |
| Thallium | 4.1 | 4.1 | 5.1 | 4.1 | 2.6 | 2.6 | 2.6 | 4.1 | 1.9 B | 3.9 B | 40 | **10** |
| Vanadium | 10.9 | 4.8 | 1.6 | 2.0 | 1.2 | 14.7 | 1.2 | 8.3 | 8.9 B | 2.9 B | | **50** |
| Zinc | 8.9 | 1.1 | 8.3 | 6.1 | 0.7 | 3.7 J | 2.9 | 1.1 | 2.3 B | 3.6 B | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | 97.2 | 118 | 19.7 | 16.4 | 33.6 | 21.4 | 118 | 109 | 139 B | 106 B | | |
| Antimony | 4.0 | 4.0 | 2.7 | 5.2 | 4.0 | 4.0 | 4.0 | 4.0 | 2.4 U | 2.4 U | | |
| Arsenic | 3.9 | 3.8 | 3.5 | 3.8 UJ | 4.0 | 4.0 | 4.0 UJ | 3.8 | 2.4 U | 2.4 U | | |
| Barium | 49.5 | 54.6 | 49.4 | 45.8 | 48.6 | 52.2 | 46.6 | 42.5 | 50.2 B | 66.5 B | | |
| Beryllium | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 U | 0.10 U | | |
| Cadmium | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | | |
| Calcium | 89,800 | 86,600 | 105,000 | 110,000 | 83,700 | 95,300 | 86,800 J | 104,000 | 77,900 | 106,000 | | |
| Chromium | 5.1 | 0.8 | 3.8 | 4.3 | 1.6 | 2.0 | 3.0 | 1.0 | 1.3 B | 2.2 B | | |
| Cobalt | 0.60 | 0.60 | 0.40 | 0.60 | 0.70 | 0.70 | 0.70 | 0.60 | 0.20 U | 0.20 U | | |
| Copper | 0.70 | 0.70 | 0.80 | 0.70 | 1.4 | 1.4 | 2.3 | 0.70 | 4.3 B | 0.70 U | | |
| Cyanide | 0.60 | 0.80 | 0.60 | 2.2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 U | 0.60 U | 10 | **10** |
| Iron | 38.3 U | 147 | 34.3 | 46.3 | 49.3 | 12.9 | 204 J | 142 | 341 | 145 | | |
| Lead | 1.4 UJ | 1.4 | 1.7 | 1.4 UJ | 1.8 | 1.8 | 1.8 | 1.4 UJ | 0.80 U | 0.80 U | | |
| Magnesium | 25,600 | 23,700 | 29,100 | 29,900 | 23,100 | 26,000 | 24,200 J | 29,900 | 22,700 | 27,100 | | |
| Manganese | 7.6 J | 22.0 | 1.2 | 6.6 | 7.8 | 11.2 | 20.4 J | 8.8 | 43.7 | 37.4 | | |
| Mercury | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 U | 0.10 U | | |
| Nickel | 0.40 UJ | 0.40 | 0.40 | 0.40 | 0.50 | 0.50 | 0.50 | 0.40 | 0.40 U | 0.40 U | | |
| Potassium | 3,400 | 3,570 | 2,710 J | 1,830 | 2,780 J | 3,300 | 2,930 J | 2,790 | 3,250 | 4,460 J | | |
| Selenium | 3.5 R | 3.5 | 3.0 UJ | 7.5 J | 4.9 UJ | 4.9 UJ | 4.9 | 3.5 | 3.9 U | 3.9 UJ | | |
| Silver | 1.1 | 1.5 | 0.60 | 2.3 | 1.0 | 1.0 | 1.0 | 1.1 | 0.30 U | 0.30 U | | |
| Sodium | 52,800 | 53,000 | 96,800 | 39,400 | 48,200 | 46,000 | 32,300 J | 66,300 | 44,100 | 43,400 J | | |
| Thallium | 4.1 | 4.1 | 8.4 | 4.1 | 2.6 | 2.6 | 2.6 | 4.1 | 4.5 B | 4.1 B | | |
| Vanadium | 10.9 | 4.5 | 1.6 | 1.9 | 1.2 | 16.2 | 1.2 | 9.5 | 6.8 B | 2.7 B | | |
| Zinc | 5.6 | 1.1 | 8.3 | 5.0 | 6.2 | 3.9 | 1.9 | 1.1 | 6.9 B | 3.2 B | | |
| **Volatile Organic Compounds (VOCs)** | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | | |
| **Semi-Volatile Organic Compounds (SVOCs)** | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | BRL | 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.

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# 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | | |
| **Inorganics - Metals (Dissolved)**[14] | Location Dry | Location Dry | Location Dry | | Location Dry | Location Dry | Location Dry | Location Dry | Location Dry | Location Dry | | |
| Aluminum | — | — | — | 16.4 | — | — | — | — | — | — | | **200** |
| Antimony | — | — | — | 4.0 | — | — | — | — | — | — | **60** | **60** |
| Arsenic | — | — | — | 3.8 | — | — | — | — | — | — | **20** | **10** |
| Barium | — | — | — | 24.5 J | — | — | — | — | — | — | **1,000** | **200** |
| Beryllium | — | — | — | 0.1 | — | — | — | — | — | — | **5** | **5** |
| Cadmium | — | — | — | 0.1 | — | — | — | — | — | — | **5** | **5** |
| Calcium | — | — | — | 64,600 J | — | — | — | — | — | — | | **5,000** |
| Chromium | — | — | — | 0.8 | — | — | — | — | — | — | **11** | **10** |
| Cobalt | — | — | — | 0.6 | — | — | — | — | — | — | | **50** |
| Copper | — | — | — | 0.7 | — | — | — | — | — | — | **25** | **25** |
| Iron | — | — | — | 10.5 | — | — | — | — | — | — | **7,000** | **100** |
| Lead | — | — | — | 1.4 UJ | — | — | — | — | — | — | **4.2** | **3** |
| Magnesium | — | — | — | 10,700 J | — | — | — | — | — | — | | **5,000** |
| Manganese | — | — | — | 1.0 | — | — | — | — | — | — | | **15** |
| Mercury | — | — | — | 0.1 | — | — | — | — | — | — | **0.2** | **0.2** |
| Nickel | — | — | — | 0.4 | — | — | — | — | — | — | **96** | **40** |
| Potassium | — | — | — | 4,250 J | — | — | — | — | — | — | | **5,000** |
| Selenium | — | — | — | 3.5 R | — | — | — | — | — | — | **8.5** | **5** |
| Silver | — | — | — | 1.1 | — | — | — | — | — | — | **10** | **10** |
| Sodium | — | — | — | 2,260 J | — | — | — | — | — | — | | **5,000** |
| Thallium | — | — | — | 4.1 | — | — | — | — | — | — | **40** | **10** |
| Vanadium | — | — | — | 1.6 | — | — | — | — | — | — | | **50** |
| Zinc | — | — | — | 34.8 | — | — | — | — | — | — | **86** | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | — | — | — | 560 J | — | — | — | — | — | — | | |
| Antimony | — | — | — | 4.0 | — | — | — | — | — | — | | |
| Arsenic | — | — | — | 3.8 | — | — | — | — | — | — | | |
| Barium | — | — | — | 29.2 J | — | — | — | — | — | — | | |
| Beryllium | — | — | — | 0.1 | — | — | — | — | — | — | | |
| Cadmium | — | — | — | 0.1 | — | — | — | — | — | — | | |
| Calcium | — | — | — | 69,600 | — | — | — | — | — | — | | |
| Chromium | — | — | — | 1.9 | — | — | — | — | — | — | | |
| Cobalt | — | — | — | 0.6 | — | — | — | — | — | — | | |
| Copper | — | — | — | 1.7 | — | — | — | — | — | — | | |
| Cyanide | — | — | — | 1.4 | — | — | — | — | — | — | **10** | **10** |
| Iron | — | — | — | 1,050 J | — | — | — | — | — | — | | |
| Lead | — | — | — | 1.4 | — | — | — | — | — | — | | |
| Magnesium | — | — | — | 11,700 | — | — | — | — | — | — | | |
| Manganese | — | — | — | 24.2 J | — | — | — | — | — | — | | |
| Mercury | — | — | — | 0.1 | — | — | — | — | — | — | | |
| Nickel | — | — | — | 1.0 | — | — | — | — | — | — | | |
| Potassium | — | — | — | 4,680 J | — | — | — | — | — | — | | |
| Selenium | — | — | — | 3.5 R | — | — | — | — | — | — | | |
| Silver | — | — | — | 1.1 | — | — | — | — | — | — | | |
| Sodium | — | — | — | 2,300 J | — | — | — | — | — | — | | |
| Thallium | — | — | — | 4.1 | — | — | — | — | — | — | | |
| Vanadium | — | — | — | 3.3 | — | — | — | — | — | — | | |
| Zinc | — | — | — | 49.6 | — | — | — | — | — | — | | |
| **Volatile Organic Compounds (VOCs)** | — | — | — | BRL | — | — | — | — | — | — | | |
| **Semi-Volatile Organic Compounds (SVOCs)** | — | — | — | BRL | — | — | — | — | — | — | | |
| **Pesticides / PCBs** | — | — | — | BRL | — | — | — | — | — | — | | |

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

EarthTech

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

| | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Compound** | **Jun-05** | **Sep-05** | **Sep-05** | **Mar-06** | **Jun-06** | **Sep-06** | **Nov-07** | **Mar-07** | **Jun-07** | **Sep-07** | **TRIGGER LEVEL** | **CRQL** |
| **Inorganics - Metals (Dissolved)**[14] | Location Dry | Location Dry | Location Dry | | Location Dry | Location Dry | Location Dry | | Location Dry | Location Dry | | |
| Aluminum | — | — | — | 17.5 | — | — | — | 43.2 | — | — | | **200** |
| Antimony | — | — | — | 4.0 | — | — | — | 4.0 | — | — | 60 | **60** |
| Arsenic | — | — | — | 3.8 | — | — | — | 3.8 | — | — | 20 | **10** |
| Barium | — | — | — | 24.3 J | — | — | — | 22.5 | — | — | 1,000 | **200** |
| Beryllium | — | — | — | 0.1 | — | — | — | 0.1 | — | — | 5 | **5** |
| Cadmium | — | — | — | 0.1 | — | — | — | 0.1 | — | — | 5 | **5** |
| Calcium | — | — | — | 65,300 J | — | — | — | 129,000 | — | — | | **5,000** |
| Chromium | — | — | — | 0.8 | — | — | — | 2.3 | — | — | 11 | **10** |
| Cobalt | — | — | — | 0.7 | — | — | — | 0.6 | — | — | | **50** |
| Copper | — | — | — | 0.7 | — | — | — | 0.7 | — | — | 25 | **25** |
| Iron | — | — | — | 10.5 | — | — | — | 10.5 | — | — | 7,000 | **100** |
| Lead | — | — | — | 1.4 | — | — | — | 1.4 UJ | — | — | 4.2 | **3** |
| Magnesium | — | — | — | 10,200 J | — | — | — | 33,000 | — | — | | **5,000** |
| Manganese | — | — | — | 1.0 | — | — | — | 1.3 | — | — | | **15** |
| Mercury | — | — | — | 0.1 | — | — | — | 0.1 | — | — | 0.2 | **0.2** |
| Nickel | — | — | — | 0.5 | — | — | — | 0.4 | — | — | 96 | **40** |
| Potassium | — | — | — | 4,250 J | — | — | — | 2,420 | — | — | | **5,000** |
| Selenium | — | — | — | 3.5 R | — | — | — | 3.5 R | — | — | 8.5 | **5** |
| Silver | — | — | — | 1.1 | — | — | — | 1.1 | — | — | 10 | **10** |
| Sodium | — | — | — | 2,210 | — | — | — | 2,500 | — | — | | **5,000** |
| Thallium | — | — | — | 4.1 | — | — | — | 4.1 | — | — | 40 | **10** |
| Vanadium | — | — | — | 1.4 | — | — | — | 9.3 | — | — | | **50** |
| Zinc | — | — | — | **34.4** | — | — | — | 1.1 | — | — | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | — | — | — | 39.6 J | — | — | — | 23.2 | — | — | | |
| Antimony | — | — | — | 4.0 | — | — | — | 4.0 | — | — | | |
| Arsenic | — | — | — | 3.8 | — | — | — | 3.8 | — | — | | |
| Barium | — | — | — | 20.1 J | — | — | — | 21.5 | — | — | | |
| Beryllium | — | — | — | 0.1 | — | — | — | 0.1 | — | — | | |
| Cadmium | — | — | — | 0.1 | — | — | — | 0.1 | — | — | | |
| Calcium | — | — | — | 122,000 | — | — | — | 130,000 | — | — | | |
| Chromium | — | — | — | 2.1 | — | — | — | 2.0 | — | — | | |
| Cobalt | — | — | — | 0.6 | — | — | — | 0.6 | — | — | | |
| Copper | — | — | — | 0.7 | — | — | — | 0.7 | — | — | | |
| Cyanide | — | — | — | 0.6 | — | — | — | 0.6 | — | — | 10 | **10** |
| Iron | — | — | — | 35.6 J | — | — | — | 54.2 | — | — | | |
| Lead | — | — | — | 1.4 | — | — | — | 1.4 UJ | — | — | | |
| Magnesium | — | — | — | 33,200 | — | — | — | 32,000 | — | — | | |
| Manganese | — | — | — | 1.7 J | — | — | — | 2.7 | — | — | | |
| Mercury | — | — | — | 0.1 | — | — | — | 0.1 | — | — | | |
| Nickel | — | — | — | 0.6 | — | — | — | 1.1 | — | — | | |
| Potassium | — | — | — | 2,270 J | — | — | — | 2,310 | — | — | | |
| Selenium | — | — | — | 3.5 R | — | — | — | 3.5 | — | — | | |
| Silver | — | — | — | 1.1 | — | — | — | 1.1 | — | — | | |
| Sodium | — | — | — | 1,520 J | — | — | — | 2,320 | — | — | | |
| Thallium | — | — | — | 4.1 | — | — | — | 4.1 | — | — | | |
| Vanadium | — | — | — | 3.0 | — | — | — | 8.9 | — | — | | |
| Zinc | — | — | — | 1.1 | — | — | — | 1.1 | — | — | | |
| **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.

EarthTech

# 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) | | | | | | | | | | TRIGGER LEVEL | CRQL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Nov-06 | Mar-07 | Jun-07 | Sep-07 | | |
| **Inorganics - Metals (Dissolved)**[14] | Location Dry | Location Dry | | | Location Dry | | | | | Location Dry | | |
| Aluminum | — | — | 12.5 | 16.4 | — | 14.8 | 14.8 | 16.4 | 14.5 U | — | | **200** |
| Antimony | — | — | 2.7 | 4 | — | 4 | 4.0 | 4.0 | 2.4 U | — | 60 | **60** |
| Arsenic | — | — | 3.5 | 3.8 | — | 4 | 4.0 UJ | 3.8 | 2.4 U | — | 20 | **10** |
| Barium | — | — | 14.8 J | 21.3 J | — | 30.6 | 26.6 | 25.1 | 29.7 B | — | 1,000 | **200** |
| Beryllium | — | — | 0.1 | 0.1 | — | 0.5 | 0.5 | 0.1 | 0.10 U | — | 5 | **5** |
| Cadmium | — | — | 0.1 | 0.1 | — | 0.1 | 0.1 | 0.1 | 0.10 U | — | 5 | **5** |
| Calcium | — | — | 57,300 | 66,700 J | — | 82,600 | 93,200 J | 97,800 | 91,400 | — | | **5,000** |
| Chromium | — | — | 1.7 | 0.8 | — | 1.2 | 2.5 | 2.6 | 1.0 B | — | 11 | **10** |
| Cobalt | — | — | 0.4 | 0.6 | — | 0.7 | 0.7 | 0.6 | 0.20 U | — | | **50** |
| Copper | — | — | 1.8 | 0.7 | — | 1.4 | 1.4 | 0.7 | 5.4 B | — | 25 | **25** |
| Iron | — | — | 2.9 | 10.5 | — | 12.9 | 12.9 J | 12.7 | 8.5 U | — | 7,000 | **100** |
| Lead | — | — | 1.7 | 1.4 | — | 1.8 | 1.8 | 1.4 UJ | 0.80 U | — | 4.2 | **3** |
| Magnesium | — | — | 10,900 | 12,900 J | — | 18,400 | 19,000 J | 22,100 | 21,100 | — | | **5,000** |
| Manganese | — | — | 0.5 | 2.9 | — | 0.9 | 13.7 J | 45.2 | 10.7 B | — | | **15** |
| Mercury | — | — | 0.1 | 0.1 | — | 0.1 | 0.1 | 0.1 | 0.10 U | — | 0.2 | **0.2** |
| Nickel | — | — | 0.4 | 0.5 | — | 0.5 | 0.5 | 0.4 | 0.40 U | — | 96 | **40** |
| Potassium | — | — | 3,570 | 3,980 J | — | 3,540 | 3,090 J | 2,830 | 5,970 | — | | **5,000** |
| Selenium | — | — | 3.0 | 3.5 R | — | 4.9 | 4.9 R | 3.5 R | 3.9 U | — | 8.5 | **5** |
| Silver | — | — | 0.6 | 1.1 | — | 1 | 1.0 | 1.1 | 0.30 U | — | 10 | **10** |
| Sodium | — | — | 2,730 | 3,960 J | — | 6,540 | 6,640 J | 7,260 | 12,400 | — | | **5,000** |
| Thallium | — | — | 1.4 | 4.1 | — | 2.6 | 2.6 | 4.1 | 3.1 B | — | 40 | **10** |
| Vanadium | — | — | 1.6 | 1.6 | — | 13.8 | 1.2 | 5.7 | 6.1 B | — | | **50** |
| Zinc | — | — | 5.6 | 1.1 | — | 51.6 | 0.7 | 1.1 | 2.8 B | — | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | | |
| Aluminum | — | — | 439 | 3,040 J | — | 4030 | 497.0 | 723 | 194.0 B | — | | |
| Antimony | — | — | 2.7 | 4.0 | — | 4.0 | 4.0 | 4.0 | 2.4 U | — | | |
| Arsenic | — | — | 3.5 | 3.8 | — | 4.0 | 4.0 UJ | 3.8 | 2.4 U | — | | |
| Barium | — | — | 16.8 J | 35.4 J | — | 55.3 | 28.4 | 29.1 | 30.2 B | — | | |
| Beryllium | — | — | 0.1 | 0.1 | — | 0.5 | 0.5 | 0.1 | 0.10 U | — | | |
| Cadmium | — | — | 0.1 | 0.1 | — | 0.1 | 0.1 | 0.1 | 0.10 U | — | | |
| Calcium | — | — | 56,000 | 68,900 | — | 94100 | 88700 J | 101000 | 90,300 | — | | |
| Chromium | — | — | 2.5 | 4.3 | — | 5.2 | 2.9 | 4.1 | 1.3 B | — | | |
| Cobalt | — | — | 0.4 | 1.4 | — | 2.4 | 0.8 | 0.6 | 0.20 U | — | | |
| Copper | — | — | 2.0 | 2.8 | — | 1.4 | 1.4 | 0.7 | 5.3 B | — | | |
| Cyanide | — | — | 0.6 | 0.8 | — | 0.6 | 0.6 | 0.6 | 0.60 U | — | 10 | **10** |
| Iron | — | — | 757 J | 3,730 J | — | 7240 | 968 J | 1250 | 376 | — | | |
| Lead | — | — | 1.7 | 1.4 | — | 6.0 J | 1.8 | 1.4 UJ | 0.80 U | — | | |
| Magnesium | — | — | 10,400 | 14000 | — | 20500 | 18400 J | 22800 | 20,600 | — | | |
| Manganese | — | — | 22.6 | 81.6 J | — | 271.0 | 46.9 J | 79.0 | 22.3 | — | | |
| Mercury | — | — | 0.1 | 0.1 | — | 0.1 | 0.1 | 0.1 | 0.10 U | — | | |
| Nickel | — | — | 0.4 | 3.3 | — | 4.8 | 0.5 | 1.4 | 0.40 U | — | | |
| Potassium | — | — | 3,670 | 4,680 J | — | 4360 | 2980 J | 3120 | 5,900 | — | | |
| Selenium | — | — | 3.0 | 3.5 R | — | 4.9 | 4.9 | 3.5 UJ | 3.9 U | — | | |
| Silver | — | — | 0.6 | 1.1 | — | 1.0 | 1.0 | 1.1 | 0.30 U | — | | |
| Sodium | — | — | 2,410 | 3,900 J | — | 6640 | 6270 J | 7310 | 12,100 | — | | |
| Thallium | — | — | 1.4 | 4.1 | — | 2.6 UJ | 2.6 | 4.1 | 3.2 B | — | | |
| Vanadium | — | — | 1.6 | 6.2 | — | 23.5 | 1.2 | 7.6 | 6.4 B | — | | |
| Zinc | — | — | 13.4 | 12.1 | — | 134 | 4 | 3 | 2.0 B | — | | |
| **Volatile Organic Compounds (VOCs)** | — | — | BRL | BRL | — | BRL | BRL | BRL | BRL | — | | |
| **Semi-Volatile Organic Compounds (SVOCs)** | — | — | BRL | BRL | — | BRL | BRL | BRL | BRL | — | | |
| **Pesticides / PCBs** | — | — | BRL | BRL | — | BRL | BRL | BRL | BRL | — | | |

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

EarthTech

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

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | TRIGGER LEVEL | CRQL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Mar-07 | Jun-07 | Sep-07 | | |
| **Inorganics - Metals (Dissolved)**[14] | Not Sampled | Not Sampled | Not Sampled | Not Sampled | Not Sampled | Annual | Annual | Not Sampled | Not Sampled | | |
| Aluminum | | | | | | 14.8 | 29.1 | | | | **200** |
| Antimony | | | | | | 4.0 | 4.1 | | | 60 | **60** |
| Arsenic | | | | | | 4.0 | 5.3 | | | 20 | **10** |
| Barium | | | | | | 67.9 | 77.9 | | | 1,000 | **200** |
| Beryllium | | | | | | 0.50 | 0.10 | | | 5 | **5** |
| Cadmium | | | | | | 0.10 | 0.10 | | | 5 | **5** |
| Calcium | | | | | | 102,000 | 133,000 | | | | **5,000** |
| Chromium | | | | | | 1.5 | 0.80 | | | 11 | **10** |
| Cobalt | | | | | | 0.70 | 0.40 | | | | **50** |
| Copper | | | | | | 1.4 | 0.70 | | | 25 | **25** |
| Iron | | | | | | 711 | 688 | | | 7,000 | **100** |
| Lead | | | | | | 1.8 | 2.1 UJ | | | 4.2 | **3** |
| Magnesium | | | | | | 23,700 | 28,000 | | | | **5,000** |
| Manganese | | | | | | 200 | 109 | | | | **15** |
| Mercury | | | | | | 0.10 | 0.10 | | | 0.2 | **0.2** |
| Nickel | | | | | | 0.50 | 0.80 | | | 96 | **40** |
| Potassium | | | | | | 2,870 | 2,610 J | | | | **5,000** |
| Selenium | | | | | | 4.9 UJ | 4.5 UJ | | | 8.5 | **5** |
| Silver | | | | | | 1.0 | 2.1 | | | 10 | **10** |
| Sodium | | | | | | 36,200 | 12,800 | | | | **5,000** |
| Thallium | | | | | | 2.6 | 3.1 | | | 40 | **10** |
| Vanadium | | | | | | 14.0 | 8.0 | | | | **50** |
| Zinc | | | | | | 2.2 J | 1.1 | | | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | |
| Aluminum | | | | | | 30900 | 26000 J | | | | |
| Antimony | | | | | | 4.0 | 4.2 | | | | |
| Arsenic | | | | | | 25.6 | 6.6 J | | | | |
| Barium | | | | | | 209 | 194 | | | | |
| Beryllium | | | | | | 1.9 | 0.80 | | | | |
| Cadmium | | | | | | 0.10 | 0.10 | | | | |
| Calcium | | | | | | 551000 | 685000 | | | | |
| Chromium | | | | | | 73.1 | 49.4 | | | | |
| Cobalt | | | | | | 33.2 | 25.4 | | | | |
| Copper | | | | | | 42.4 | 56.7 J | | | | |
| Cyanide | | | | | | 1.2 | 0.60 | | | 10 | **10** |
| Iron | | | | | | 69100 | 57900 | | | | |
| Lead | | | | | | 37.5 J | 30.1 | | | | |
| Magnesium | | | | | | 83500 | 85500 | | | | |
| Manganese | | | | | | 2490 | 2650 | | | | |
| Mercury | | | | | | 0.10 | 0.10 | | | | |
| Nickel | | | | | | 67.3 | 55.2 | | | | |
| Potassium | | | | | | 9960 | 9230 J | | | | |
| Selenium | | | | | | 4.9 UJ | 4.9 J | | | | |
| Silver | | | | | | 9.7 | 2.1 | | | | |
| Sodium | | | | | | 36400 | 16100 | | | | |
| Thallium | | | | | | 2.6 | 3.1 | | | | |
| Titanium | | | | | | 230.0 | 68.1 | | | | |
| Vanadium | | | | | | 94.6 | 273.0 | | | | |
| Zinc | | | | | | 202 | 0.6 J | | | | |
| **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.
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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.

EarthTech
A Tyco International Ltd. Company

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

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | | TRIGGER LEVEL | CRQL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Sep-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Mar-07 | Jun-07 | Sep-07 | | |
| **Inorganics - Metals (Dissolved)**[14] | Not Sampled | Not Sampled | Not Sampled | Not Sampled | Not Sampled | Annual | Annual | Not Sampled | Not Sampled | | |
| Aluminum | | | | | | 14.8 | 29.1 | | | | **200** |
| Antimony | | | | | | 4.0 | 4.1 | | | 60 | **60** |
| Arsenic | | | | | | 4.0 | 5.3 | | | 20 | **10** |
| Barium | | | | | | **449** | **417** | | | 1,000 | **200** |
| Beryllium | | | | | | 0.5 | 0.1 | | | 5 | **5** |
| Cadmium | | | | | | 0.1 | 0.1 | | | 5 | **5** |
| Calcium | | | | | | 72,600 | 78,300 | | | | **5,000** |
| Chromium | | | | | | 3.0 | 2.6 | | | 11 | **10** |
| Cobalt | | | | | | 0.7 | 0.4 | | | | **50** |
| Copper | | | | | | 1.4 | 0.7 | | | 25 | **25** |
| Iron | | | | | | **707** | 88.8 | | | 7,000 | **100** |
| Lead | | | | | | 1.8 | 2.1 UJ | | | 4.2 | **3** |
| Magnesium | | | | | | 40,600 | 42,400 | | | | **5,000** |
| Manganese | | | | | | 91.5 | 83.5 | | | | **15** |
| Mercury | | | | | | 0.1 | 0.1 | | | 0.2 | **0.2** |
| Nickel | | | | | | 0.5 | 0.8 | | | 96 | **40** |
| Potassium | | | | | | 20,800 | 24,500 J | | | | **5,000** |
| Selenium | | | | | | 4.9 | 4.5 UJ | | | 8.5 | **5** |
| Silver | | | | | | 1.0 | 2.1 | | | 10 | **10** |
| Sodium | | | | | | 207,000 | 199,000 | | | | **5,000** |
| Thallium | | | | | | 2.6 | 3.1 | | | 40 | **10** |
| Vanadium | | | | | | 22.6 | 12.1 | | | | **50** |
| Zinc | | | | | | 2.3 | 1.1 | | | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | | |
| Aluminum | | | | | | 3510 | 2030 J | | | | |
| Antimony | | | | | | 4.0 | 4.1 | | | | |
| Arsenic | | | | | | 4.0 | 5.3 | | | | |
| Barium | | | | | | 453 | 455 | | | | |
| Beryllium | | | | | | 0.5 | 0.10 | | | | |
| Cadmium | | | | | | 0.1 | 0.10 | | | | |
| Calcium | | | | | | 98200 | 86800 | | | | |
| Chromium | | | | | | 11.8 | 14.5 | | | | |
| Cobalt | | | | | | 5.8 | 2.8 | | | | |
| Copper | | | | | | 6.4 | 30.0 J | | | | |
| Cyanide | | | | | | 0.60 | 0.60 | | | 10 | **10** |
| Iron | | | | | | 9030.0 | 5130.0 | | | | |
| Lead | | | | | | 10.6 J | 3.5 | | | | |
| Magnesium | | | | | | 47900 | 44500 | | | | |
| Manganese | | | | | | 255 | 173 | | | | |
| Mercury | | | | | | 0.10 | 0.10 | | | | |
| Nickel | | | | | | 8.5 | 6.8 | | | | |
| Potassium | | | | | | 22300 | 21000 J | | | | |
| Selenium | | | | | | 4.9 | 4.5 UJ | | | | |
| Silver | | | | | | 1.0 | 3.3 | | | | |
| Sodium | | | | | | 211000 | 200000 | | | | |
| Thallium | | | | | | 2.6 UJ | 3.8 J | | | | |
| Vanadium | | | | | | 33.2 | 14.6 | | | | |
| Zinc | | | | | | 29 | 32 J | | | | |
| **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.

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

| Compound | Quarterly Sampling Results (All Results Expressed in Units of µg/l) | | | | | | | | TRIGGER LEVEL | CRQL |
|---|---|---|---|---|---|---|---|---|---|---|
| | Jun-05 | Dec-05 | Mar-06 | Jun-06 | Sep-06 | Mar-07 | Jun-07 | Sep-07 | | |
| **Inorganics - Metals (Dissolved)**[14] | Not Sampled | Not Sampled | Not Sampled | Not Sampled | Annual | Annual | Not Sampled | Not Sampled | | |
| Aluminum | | | | | 14.8 | 49.9 | | | | **200** |
| Antimony | | | | | 4.0 | 4.1 | | | 60 | **60** |
| Arsenic | | | | | 4.0 | 5.3 | | | 20 | **10** |
| Barium | | | | | **415** | 0.10 | | | 1,000 | **200** |
| Beryllium | | | | | 0.50 | 0.10 | | | 5 | **5** |
| Cadmium | | | | | 0.10 | 0.10 | | | 5 | **5** |
| Calcium | | | | | 64,300 | 119,000 | | | | **5,000** |
| Chromium | | | | | 2.4 | 4.8 | | | 11 | **10** |
| Cobalt | | | | | 0.70 | 0.40 | | | | **50** |
| Copper | | | | | 1.4 | 0.7 | | | 25 | **25** |
| Iron | | | | | **375** | **212** | | | 7,000 | **100** |
| Lead | | | | | 1.8 | 2.1 UJ | | | 4.2 | **3** |
| Magnesium | | | | | 30,000 | 40,800 | | | | **5,000** |
| Manganese | | | | | 27.5 | 192 | | | | **15** |
| Mercury | | | | | 0.10 | 0.10 | | | 0.2 | **0.2** |
| Nickel | | | | | 0.50 | 0.80 | | | 96 | **40** |
| Potassium | | | | | 11,900 | 5,810 J | | | | **5,000** |
| Selenium | | | | | 4.9 UJ | 4.5 UJ | | | 8.5 | **5** |
| Silver | | | | | 1.0 | 2.1 | | | 10 | **10** |
| Sodium | | | | | 133,000 | 41,200 | | | | **5,000** |
| Thallium | | | | | 2.6 | 3.4 J | | | 40 | **10** |
| Vanadium | | | | | 15.6 | 9.9 | | | | **50** |
| Zinc | | | | | 2.4 J | 4.6 | | | 86 | **20** |
| **Inorganics - Metals and Cyanide (Total)** | | | | | | | | | | |
| Aluminum | | | | | 42.2 | 1740 J | | | | |
| Antimony | | | | | 4.0 | 4.1 | | | | |
| Arsenic | | | | | 4.0 | 5.3 | | | | |
| Barium | | | | | 410 | 329 | | | | |
| Beryllium | | | | | 0.50 | 0.10 | | | | |
| Cadmium | | | | | 0.10 | 0.10 | | | | |
| Calcium | | | | | 63700 | 60800 | | | | |
| Chromium | | | | | 3.2 | 11.6 | | | | |
| Cobalt | | | | | 0.70 | 1.2 | | | | |
| Copper | | | | | 1.4 | 25.0 J | | | | |
| Cyanide | | | | | 0.60 | 2.4 | | | 10 | **10** |
| Iron | | | | | 559 | 4330 | | | | |
| Lead | | | | | 1.8 | 2.1 UJ | | | | |
| Magnesium | | | | | 29900 | 27700 | | | | |
| Manganese | | | | | 30.5 | 86.2 | | | | |
| Mercury | | | | | 0.10 | 0.10 | | | | |
| Nickel | | | | | 0.50 | 3.8 | | | | |
| Potassium | | | | | 11800 | 10500 J | | | | |
| Selenium | | | | | 4.9 | 4.5 UJ | | | | |
| Silver | | | | | 1.0 | 2.1 | | | | |
| Sodium | | | | | 131000 | 123000 | | | | |
| Thallium | | | | | 2.6 | 3.1 | | | | |
| Vanadium | | | | | 15.5 | 10.9 | | | | |
| Zinc | | | | | 3.6 | 36.9 J | | | | |
| **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.

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# APPENDIX C

# LABORATORY DATA VALIDATION REPORT

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APPENDIX C

# DATA VALIDATION REPORT

# FOR

# SKINNER LANDFILL SITE

**EARTH TECH: PROJECT NUMBER 54280**

**LABORATORY REPORT NUMBER 207090701**

**PROJECT MANAGER: Ron Rolker**

**Date: January 18, 2008**

**Data Validators: Janelle Murphy and Mark Kromis**

## LIST OF ACRONYMS

| | |
|---|---|
| BFB | Bromofluorobenzene |
| CC | Continuing Calibration |
| CCV | Continuing Calibration Verification |
| CCB | Continuing Calibration Blanks |
| CLP | Contract Laboratory Program |
| CRDL | Contract Required Detection Limit |
| DFTPP | Decafluorotriphenylphosphine |
| GC/MS | Gas Chromatograph/Mass Spectrometer |
| IC | Initial Calibration |
| ICB | Initial Calibration Blank |
| IDL | Instrument Detection Limit |
| ICP | Inductively Coupled Plasma |
| ICS | Interference Check Sample |
| ICV | Initial Calibration Verification |
| ILM | Inorganic Analysis Multi-Media Multi-Concentration |
| INDAM | Individual A Mixture |
| INDBM | Individual B Mixture |
| mg/L | milligrams per liter |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| OLC | Organic Analysis Low Concentration |
| OLM | Organic Analysis Multi-Media Multi-Concentration |
| %D | Percent Difference |
| % RSD | Percent Relative Standard Deviation |
| PB | Preparation Blanks |
| PEM | Performance Evaluation Mix |
| QC | Quality Control |
| RF | Response Factor |
| RPD | Relative Percent Difference |
| RRF | Relative Response Factor |
| SDG | Sample Delivery Group |
| SOW | Statement of Work |
| µg/L | micrograms per liter |
| US EPA | United States Environmental Protection Agency |
| VOC | Volatile Organic Compounds |
| VTSR | Validated Time of Sample Receipt |

# DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 207090701 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2007, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 207090701.

| GCAL # | Sample Description |
|---|---|
| 20709070101 | SK-GW06R-1023 |
| 20709070103 | SK-GW59-1023 |
| 20709070104 | SK-GW61-1023 |
| 20709070106 | SK-GW06R-1023 (DISS) |
| 20709070107 | SK-GW59-1023 (DISS) |
| 20709070108 | SK-GW61-1023 (DISS) |
| 20709070110 | SK-GW58-1023 |
| 20709070111 | SK-FD-1023 (GW-58) |
| 20709070112 | SK-GW62A-1023 |
| 20709070114 | SK-GW58-1023 (DISS) |
| 20709070115 | SK-FD-1023 (GW-58) DISS |
| 20709070116 | SK-GW62A-1023 (DISS) |
| 20709070117 | SK-GW63-1023 |
| 20709070118 | SK-GW64-1023 |
| 20709070119 | SK-MS-1023 (GW-64) |
| 20709070121 | SK-DUP-1023 (GW-64) |
| 20709070123 | SK-GW63-1023 (DISS) |
| 20709070124 | SK-GW64-1023 (DISS) |
| 20709070125 | SK-MS-1023 (GW-64) DISS |
| 20709070126 | SK-DUP-1023 (GW-64) DISS |

## INTRODUCTION

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

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

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user.

Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

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

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

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

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

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

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

9. System Performance

10. Documentation

11. Overall Assessment

## 1. HOLDING TIMES

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

## 2. CALIBRATION

### A. Initial Calibration

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

### B. Continuing Calibration

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

## 3. BLANKS

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

## 4. ICP INTERFERENCE CHECK SAMPLE

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

## 5. LABORATORY CONTROL SAMPLES

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

## 6. DUPLICATE ANALYSIS

The laboratory used sample SK-GW64-1023 (total and dissolved fractions) and sample SK-GW58-1023 (total fraction) for the duplicate samples.

The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes with the exception of Aluminum (71%) associated with SK-GW58-1023 total fraction. As per the National Functional Guidelines, if the percent recovery is outside of the acceptance criteria of (<20%) then qualify detected results for that analyte with "J" and non-detected results with "UJ".

## 7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-GW64-1023 (total and dissolved fractions) and sample SK-GW58-1023 (total fraction) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) for all analytes with the exception of Selenium (0%) associated with SK-GW64-1023 total fraction, Selenium (50%) associated with SK-GW64-1023 dissolved fraction, and Aluminum (194%) associated with SK-GW58-1023 total fraction. As per the National Functional Guidelines, if the percent recovery is greater than the upper acceptance limit then qualify detected results for that analyte with "J". If the percent recovery is less than 10% then qualify detected results for that analyte with "J" and non-detected results with "R".

## 8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes with the exception of Aluminum, Barium, Iron, Manganese, Potassium, and Sodium associated with SW-GW64-1023SD and Aluminum and Potassium associated with SK-GW58-1023SD. As per the National Functional Guidelines, if the serial dilution %D exceeds the acceptance criteria then qualify results associated with that analyte as estimated with a "J".

## 9. SYSTEM PERFORMANCE

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

## 10. DOCUMENTATION

It should be noted that GCAL qualified the Lead and Zinc results reported for total metals with an "E" qualifier on the Form IX indicating that the percent difference between the sample and its serial dilution was greater than 10%. The results for Lead and Zinc 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. All other documentation submitted for review appeared accurate and in order.

## 11. OVERALL ASSESSMENT

The percent recoveries for Arsenic in the Contract Required Detection Limit (CRDL) standards analyzed on 9/14/07 were 101%, 87%, and 79%.

The percent recoveries for Thallium in the Contract Required Detection Limit (CRDL) standards analyzed on 9/14/07 were 99%, 102%, and 79%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 9/17/07 were 86%, 76%, and 92%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 9/17/07 were 69% and 137%.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 9/17/07 were 111% and 55%.

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

The results are acceptable with the validator-added qualifiers.

## DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 207090701 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2007, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 207090701.

| GCAL # | Sample Description |
|---|---|
| 20709070101 | SK-GW06R-1023 |
| 20709070103 | SK-GW59-1023 |
| 20709070104 | SK-GW61-1023 |
| 20709070110 | SK-GW58-1023 |
| 20709070111 | SK-FD-1023 (GW-58) |
| 20709070112 | SK-GW62A-1023 |
| 20709070117 | SK-GW63-1023 |
| 20709070118 | SK-GW64-1023 |
| 20709070119 | SK-MS-1023 (GW-64) |
| 20709070120 | SK-MSD-1023 (GW-64) |
| 20709070127 | SK-GW62A-1022 (RA) |

## INTRODUCTION

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

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

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

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

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

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

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

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

## 1. HOLDING TIMES

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

## 2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. 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 9/17/07 was analyzed on instrument MSSV3 in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent Relative Standard Deviation (%RSD) values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF for the IC's were within the acceptance criteria specified in the method for all target compounds. The %RSDs were within the acceptance criteria specified in the method for all target compounds.

### B. Continuing Calibration

Two CC's dated 9/17/07 and 9/18/07 were analyzed in support of the semivolatile sample analyses reported in the data submissions. The CC RRF's for the CC's dated 9/17/07 and 9/18/07 were within the acceptance criteria specified in the method for all target compounds. The percent difference (%D) between the average RRF's and the CC Response Factors for the CC were within the acceptance criteria (<25%) for the CC dated 9/17/07. The percent difference (%D) between the average RRF's and the CC Response Factors for the CC were within the acceptance criteria (<25%) for the CC dated 9/18/07 with the exception of 2-Methylnapthalene. As per the National Functional Guidelines, if the %D is outside the ± 25% criterion then qualify detected results for that compound with "J" and non-detected results for that compound with "UJ".

## 4. BLANKS

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

<u>Method Blank (MB524503)</u>

Bis(2-ethylhexyl)phthalate (1.49 ppb) was detected in the method blank extracted on 9/10/07.

## 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits with the exception of Phenol-d5 (8%), 2,4,6-Tribromophenol (129%), and 2-Chlorophenol-d4 (22%) associated with sample SK-GW62A-1023 and Phenol-d5 ((9%) and 2-Chlorophenol-d4 (21%) associated with sample SK-GW62A-1023 (RA). As per the National Functional Guidelines; if any surrogate in either semivolatile fraction has a recovery less than 10 percent then qualify detected semivolatile target compounds for that fraction with "J" and non-detected results for that fraction with "R".

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

Sample SK-GW64-1023 was submitted for MS/MSD analysis. The MS/MSD percent recoveries are within the acceptance criteria with the exception of 4-Nitrophenol associated with the MS and MSD. The percent RPDs between the MS and MSD exceeded the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD results alone.

## 7. INTERNAL STANDARDS PERFORMANCE

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

## 8. COMPOUND IDENTIFICATION

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

## 9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

## 10. SYSTEM PERFORMANCE

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

## 11. DOCUMENTATION

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

## 12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

## DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 207090701 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2007, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 207090701.

| GCAL # | Sample Description |
|---|---|
| 20709070101 | SK-GW06R-1023 |
| 20709070102 | SK-GW-07R-1023 |
| 20709070103 | SK-GW59-1023 |
| 20709070104 | SK-GW61-1023 |
| 20709070105 | SK-TB-1023 |
| 20709070110 | SK-GW58-1023 |
| 20709070111 | SK-FD-1023 (GW-58) |
| 20709070113 | SK-TB-1023 |
| 20709070117 | SK-GW63-1023 |
| 20709070118 | SK-GW64-1023 |
| 20709070119 | SK-MS-1023 (GW-64) |
| 20709070120 | SK-MSD-1023 (GW-64) |
| 20709070122 | SK-TB-1023 |

## INTRODUCTION

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

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

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

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

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

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

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

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

## 1. HOLDING TIMES

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

## 2. GC/MS TUNING

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

## 3. CALIBRATION

### A. Initial Calibration

One IC dated 9/15/07 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRF's and the average RRF for the IC dated 9/15/07 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. The %RSD's were within the acceptance criteria specified in the method for all target compounds. As per the National Functional Guidelines, if any IC RRF is less than 0.05 then qualify detected results for that compound with "J" and non-detected results for that compound with "R".

### B. Continuing Calibration

One CC dated 9/16/07 was analyzed on instrument MSV0 in support of the volatile sample analyses reported in the data submissions. The RRF's and the average RRF for the CC dated 9/16/07 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. The percent difference (%D) between the average RRF's and the CC RF's for the CC dated 9/16/07 were within the acceptance criteria for all target compounds with the exception of Chloroethane. Acetone was previously qualified under the section titled "Initial Calibration" therefore further data qualification was not warranted. As per the National Functional Guidelines, if any CC %D is outside of the +/- 25% criterion then qualify detected results for that compound with "J" and non-detected results for that compound with "UJ".

## 4. BLANKS

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

MB524529

There were no target analytes detected in method blank MB524529 analyzed on 9/16/07 (0740).

Storage Blank (VHBLK)

Toluene (0.15 ppb) and Xylene (total) (0.045 ppb) were detected in the in the Storage Blank analyzed on 9/16/07.

Trip Blank (SK-TB-1023)

Methylene chloride (0.96 ppb) was detected in the Trip Blank associated with the samples received on 9/6/07.

Trip Blank (SK-TB-1023)

Methylene chloride (0.40 ppb) and Styrene (.20 ppb) were detected in the Trip Blank associated with the samples received on 9/7/07.

Trip Blank (SK-TB-1023)

Methylene chloride (0.43 ppb) was detected in the Trip Blank associated with the samples received on 9/8/07.

## 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-GW64-1023 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

## 7. LABORATORY CONTROL SAMPLE

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

## 8. INTERNAL STANDARDS PERFORMANCE

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

## 9. COMPOUND IDENTIFICATION

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

## 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

## 11. SYSTEM PERFORMANCE

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

## 12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

## 13. OVERALL ASSESSMENT

The Methylene chloride detected in sample SK-GW58-1023 was mitigated by the presence of Methylene chloride detected in the associated Trip Blank (SK-TB-1023 dated 9/6/07). The results are acceptable with the validator-added qualifiers.

## DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 207061321 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2007, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 207090701.

| GCAL # | Sample Description |
|---|---|
| 20709070101 | SK-GW06R-1023 |
| 20709070103 | SK-GW59-1023 |
| 20709070104 | SK-GW61-1023 |
| 20709070110 | SK-GW58-1023 |
| 20709070111 | SK-FD-1023 (GW-58) |
| 20709070112 | SK-GW62A-1023 |
| 20709070117 | SK-GW63-1023 |
| 20709070118 | SK-GW64-1023 |
| 20709070119 | SK-MS-1023 (GW-64) |
| 20709070120 | SK-MSD-1023 (GW-G4) |

## INTRODUCTION

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

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

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

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

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

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

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

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

## 1. HOLDING TIMES

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

## 2. GC/ECD INSTRUMENT PERFORMANCE CHECK

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

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

## 3. INITIAL CALIBRATION

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

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20%. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks.

## 4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ±25.0 percent for the calibration verifications. A PEM was analyzed at the end of the initial 12-hour period in place of the Individual Mixtures A and B that is supposed to be analyzed at the end of the initial 12-hour period as stipulated in the method. The data validator qualified the detected compounds that were not in the PEM but are associated with the Individual Mixtures A and B with "J" and non-detected compounds that were not in the PEM but associated with the Individual Mixtures A and B with "UJ."

## 5. BLANKS

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

<u>Method Blank 524505</u>

No constituents were reported by GCAL for the method blank extracted on 9/10/07.

## 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-GW64-1023 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 Lindane associated with 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 data alone.

## 8. PESTICIDE CLEANUP CHECKS

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

## 9. TARGET COMPOUND IDENTIFICATION

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

## 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported.

## 11. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

## 12. OVERALL ASSESSMENT

The results are acceptable as qualified by the data validator.

## REFERENCES

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

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

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

*NELAP CERTIFICATE NUMBER 01955*

# ANALYTICAL RESULTS

**PERFORMED BY**

**GULF COAST ANALYTICAL LABORATORIES, INC.**

**Report Date** 09/24/2007

**GCAL Report** 207090701

| | |
|---|---|
| ***Deliver To*** | Earth Tech<br>2373 Progress St<br>Hebron, KY 41048<br>859-442-2300 |
| ***Attn*** | Alex McGinnis |

***Customer*** Earth Tech

***Project*** Skinner Landfill

CASE NARRATIVE

**Client:** Earth Tech **Report:** 207090701

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

**SEMI-VOLATILES MASS CHROMATOGRAPHY**

In the OLM04.2S analysis, sample 20709070112 (SK-GW62A-1023) had three acid surrogates and one internal standard outside the control limits. This sample was re-analyzed with similar results and the data is being reported.

In the OLM04.2S analysis for prep batch 357174, the MS/MSD exhibited sporadic recovery failures. All LCS/LCSD recoveries and RPDs were acceptable.

**SEMI-VOLATILES GAS CHROMATOGRAPHY**

In the OLM04.2P analysis for prep batch 357175, gamma-BHC was recovered outside of the established control limits for the MS and MSD.

**METALS**

In the ILM04.1 - CLP Metals analysis the sample/field duplicate pair provided by the client for samples 20709070110 (SK-GW58-1023) and 20709070111 (SK-FD-1023 (GW-58)) were not consistent with each other. The difference is believed to be due to sample 20709070111 (SK-FD-1023 (GW-58)) being silty, while sample 20709070110 (SK-GW58-1023) was not. This was noted on the COC.

In the ILM04.1 - CLP Metals analysis for prep batch 357193, the MS and/or MSD recovery was outside the control limits for Selenium. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The MS recovery is not applicable for Iron because the sample concentration is greater than four times the spike concentration. The Sample/Duplicate RPD for Lead, Thallium, Zinc and Aluminum is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. Aluminum, Barium, Iron, Manganese, Potassium and Sodium are flagged as estimated due to the fact that the percent difference between the original sample result and the serial dilution result is greater than 10. A chemical or physical interference is suspected.

In the ILM04.1 - CLP Metals analysis for prep batch 357591, the MS and/or MSD recovery was outside the control limits for Aluminum. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The Sample/Duplicate RPD for Aluminum was outside the control

limits. The Sample/Duplicate RPD for Aluminum was outside the control limits. The heterogeneous nature of the QC sample is believed to be responsible for this. The Sample/Duplicate RPD for Chromium, Lead, Potassium and Vanadium is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. Aluminum, Lead, Potassium and Zinc are flagged as estimated due to the fact that the percent difference between the original sample result and the serial dilution result is greater than 10. A chemical or physical interference is suspected.

# Laboratory Endorsement

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

**Common Abbreviations Utilized in this Report**

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

**Reporting Flags Utilized in this Report**

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

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

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

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

CURTIS EKKER
DATA VALIDATION MANAGER
**GCAL REPORT** 207090701

THIS REPORT CONTAINS 697 PAGES.

# Report Sample Summary

| GCAL ID | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|---|---|---|---|---|
| 20709070101 | SK-GW06R-1023 | Water | 09/05/2007 12:10 | 09/06/2007 18:20 |
| 20709070102 | SK-GW-07R-1023 | Water | 09/05/2007 13:10 | 09/06/2007 18:20 |
| 20709070103 | SK-GW-59-1023 | Water | 09/05/2007 14:05 | 09/06/2007 18:20 |
| 20709070104 | SK-GW61-1023 | Water | 09/05/2007 12:50 | 09/06/2007 18:20 |
| 20709070105 | SK-TB-1023 | Water | 09/05/2007 00:00 | 09/06/2007 18:20 |
| 20709070106 | SK-GW06R-1023(DISS) | Water | 09/05/2007 12:10 | 09/06/2007 18:20 |
| 20709070107 | SK-GW59-1023(DISS) | Water | 09/05/2007 14:05 | 09/06/2007 18:20 |
| 20709070108 | SK-GW61-1023(DISS) | Water | 09/05/2007 12:50 | 09/06/2007 18:20 |
| 20709070109 | VHBLK | Water | | 09/06/2007 18:20 |
| 20709070110 | SK-GW58-1023 | Water | 09/06/2007 10:40 | 09/07/2007 09:35 |
| 20709070111 | SK-FD-1023 (GW-58) | Water | 09/06/2007 10:40 | 09/07/2007 09:35 |
| 20709070112 | SK-GW62A-1023 | Water | 09/06/2007 11:15 | 09/07/2007 09:35 |
| 20709070113 | SK-TB-1023 | Water | 09/06/2007 00:00 | 09/07/2007 09:35 |
| 20709070114 | SK-GW58-1023 (DISS) | Water | 09/06/2007 10:40 | 09/07/2007 09:35 |
| 20709070115 | SK-FD-1023 (GW-58) DISS | Water | 09/06/2007 10:40 | 09/07/2007 09:35 |
| 20709070116 | SK-GW62A-1023 (DISS) | Water | 09/06/2007 11:15 | 09/07/2007 09:35 |
| 20709070117 | SK-GW63-1023 | Water | 09/07/2007 11:45 | 09/08/2007 10:00 |
| 20709070118 | SK-GW64-1023 | Water | 09/07/2007 11:35 | 09/08/2007 10:00 |
| 20709070119 | SK-MS-1023(GW-64) | Water | 09/07/2007 11:35 | 09/08/2007 10:00 |
| 20709070120 | SK-MSD-1023(GW-64) | Water | 09/07/2007 11:35 | 09/08/2007 10:00 |
| 20709070121 | SK-DUP-1023(GW-64) | Water | 09/07/2007 11:35 | 09/08/2007 10:00 |
| 20709070122 | SK-TB-1023 | Water | 09/07/2007 00:00 | 09/08/2007 10:00 |
| 20709070123 | SK-GW63-1023 (DISS) | Water | 09/07/2007 11:45 | 09/08/2007 10:00 |
| 20709070124 | SK-GW64-1023 (DISS) | Water | 09/07/2007 11:35 | 09/08/2007 10:00 |
| 20709070125 | SK-MS-1023 (GW64) DISS | Water | 09/07/2007 11:35 | 09/08/2007 10:00 |
| 20709070126 | SK-DUP-1023 (GW64) DISS | Water | 09/07/2007 11:35 | 09/08/2007 10:00 |
| 20709070127 | SK-GW62A-1023 (RA) | Water | 09/06/2007 11:15 | 09/07/2007 09:35 |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW06R-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070101

Level: (low/med) Lab File ID: 2070916/w7898

% Moisture: not dec. Date Collected: 09/05/07 Time: 1210

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/06/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1027

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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



01/30/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW06R-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070101

Level: (low/med) Lab File ID: 2070916/w7898

% Moisture: not dec. Date Collected: 09/05/07 Time: 1210

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/06/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1027

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

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-GW06R-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070101

Sample wt/vol: Units: Lab File ID: 2070916/w7898

Level: (low/med) Date Collected: 09/05/07 Time: 1210

% Moisture: not dec. Date Received: 09/06/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 1027

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

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-GW-07R-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070102

Level: (low/med) Lab File ID: 2070916/w7899

% Moisture: not dec. Date Collected: 09/05/07 Time: 1310

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/06/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1051

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

Analytical Method: OLCO 2.1

*CONCENTRATION UNITS: ug/L*

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

FORM I VOA



JLM 01/20

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW-07R-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070102

Level: (low/med) Lab File ID: 2070916/w7899

% Moisture: not dec. Date Collected: 09/05/07 Time: 1310

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/06/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1051

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

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-GW-07R-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070102

Sample wt/vol: Units: Lab File ID: 2070916/w7899

Level: (low/med) Date Collected: 09/05/07 Time: 1310

% Moisture: not dec. Date Received: 09/06/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 1051

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

Soil Extract Volume: ( µL )

Soil Aliquot Volume: ( µL )

*Number TICs Found:* 1

*CONCENTRATION UNITS:* ug/L

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 124-19-6 | Nonanal | 13.149 | 3.53 | |

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW-59-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070103

Level: (low/med) Lab File ID: 2070916/w7900

% Moisture: not dec. Date Collected: 09/05/07 Time: 1405

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/06/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1114

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA



JLM 01/30/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW-59-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070103

Level: (low/med) Lab File ID: 2070916/w7900

% Moisture: not dec. Date Collected: 09/05/07 Time: 1405

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/06/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1114

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

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-GW-59-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070103

Sample wt/vol: Units: Lab File ID: 2070916/w7900

Level: (low/med) Date Collected: 09/05/07 Time: 1405

% Moisture: not dec. Date Received: 09/06/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 1114

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

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-GW61-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070104

Level: (low/med) Lab File ID: 2070916/w7901

% Moisture: not dec. Date Collected: 09/05/07 Time: 1250

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/06/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1137

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

Analytical Method: OLCO 2.1

*CONCENTRATION UNITS: ug/L*

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



JCW 01/30/07

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW61-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070104

Level: (low/med) Lab File ID: 2070916/w7901

% Moisture: not dec. Date Collected: 09/05/07 Time: 1250

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/06/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1137

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW61-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070104

Sample wt/vol: Units: Lab File ID: 2070916/w7901

Level: (low/med) Date Collected: 09/05/07 Time: 1250

% Moisture: not dec. Date Received: 09/06/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 1137

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

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-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070105

Level: (low/med) Lab File ID: 2070916/w7893

% Moisture: not dec. Date Collected: 09/05/07 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/06/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 0834

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA



JLM 01/30/1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070105

Level: (low/med) Lab File ID: 2070916/w7893

% Moisture: not dec. Date Collected: 09/05/07 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/06/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 0834

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

Analytical Method: OLCO 2.1

*CONCENTRATION UNITS: ug/L*

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene chloride | 0.96 | J | 0.010 | 2.0 |
| 100-42-5 | Styrene | 1.0 | U | 0.010 | 1.0 |
| 127-18-4 | Tetrachloroethene | 1.0 | U | 0.010 | 1.0 |
| 108-88-3 | Toluene | 1.0 | U | 0.010 | 1.0 |
| 79-01-6 | Trichloroethene | 1.0 | U | 0.010 | 1.0 |
| 75-01-4 | Vinyl chloride | 1.0 | U | 0.010 | 1.0 |
| 1330-20-7 | Xylene (total) | 1.0 | U | 0.010 | 1.0 |

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-TB-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070105

Sample wt/vol: Units: Lab File ID: 2070916/w7893

Level: (low/med) Date Collected: 09/05/07 Time: 0000

% Moisture: not dec. Date Received: 09/06/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 0834

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

Soil Extract Volume: ( µL )

Soil Aliquot Volume: ( µL )

*Number TICs Found:* 0

*CONCENTRATION UNITS:* ug/L

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070110

Level: (low/med) Lab File ID: 2070916/w7902

% Moisture: not dec. Date Collected: 09/06/07 Time: 1040

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/07/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1159

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

*CONCENTRATION UNITS: ug/L* Analytical Method: OLCO 2.1

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | 0.010 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | 0.010 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | 0.010 | 1.0 | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | 0.010 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethene | 1.0 | U | 0.010 | 1.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.0 | U | 0.010 | 1.0 | |
| 106-93-4 | 1,2-Dibromoethane | 1.0 | U | 0.010 | 1.0 | |
| 95-50-1 | 1,2-Dichlorobenzene | 1.0 | U | 0.010 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | 0.010 | 1.0 | |
| 540-59-0 | 1,2-Dichloroethene | 1.0 | U | 0.010 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | 0.010 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 1.0 | U | 0.010 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 1.0 | U | 0.010 | 1.0 | |
| 78-93-3 | 2-Butanone | 5.0 | U | 0.010 | 5.0 | |
| 591-78-6 | 2-Hexanone | 5.0 | U | 0.010 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | 0.010 | 5.0 | |
| 67-64-1 | Acetone | 2.8 | J | 0.010 | 5.0 | U |
| 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 | UJ |
| 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

JCM 01/30/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW58-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070110

Level: (low/med) Lab File ID: 2070916/w7902

% Moisture: not dec. Date Collected: 09/06/07 Time: 1040

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/07/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1159

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 75-09-2 | Methylene chloride | ~~1.1~~ 2.0 | J | 0.010 | 2.0 | U |
| 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

JLM 01/30/08

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SK-GW58-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070110

Sample wt/vol: Units: Lab File ID: 2070916/w7902

Level: (low/med) Date Collected: 09/06/07 Time: 1040

% Moisture: not dec. Date Received: 09/07/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 1159

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

Soil Extract Volume: ( µL )

Soil Aliquot Volume: ( µL )

*Number TICs Found:* *0*

*CONCENTRATION UNITS:* *ug/L*

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

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1023 (GW-58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070111

Level: (low/med) Lab File ID: 2070916/w7903

% Moisture: not dec. Date Collected: 09/06/07 Time: 1040

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/07/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1222

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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



01/30/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1023 (GW-58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

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

Lab Sample ID: 20709070111

Level: (low/med)

Lab File ID: 2070916/w7903

% Moisture: not dec.

Date Collected: 09/06/07 Time: 1040

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

Date Received: 09/07/07

Instrument ID: MSV0

Date Analyzed: 09/16/07 Time: 1222

Soil Extract Volume: ( µL )

Dilution Factor: 1 Analyst: DLB

Soil Aliquot Volume: ( µL )

Prep Batch: Analytical Batch: 357182

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-1023 (GW-58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070111

Sample wt/vol: Units: Lab File ID: 2070916/w7903

Level: (low/med) Date Collected: 09/06/07 Time: 1040

% Moisture: not dec. Date Received: 09/07/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 1222

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

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-GW62A-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

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

Lab Sample ID: 20709070112

Level: (low/med)

Lab File ID: 2070916/w7904

% Moisture: not dec.

Date Collected: 09/06/07 Time: 1115

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

Date Received: 09/07/07

Instrument ID: MSV0

Date Analyzed: 09/16/07 Time: 1244

Soil Extract Volume: ( µL )

Dilution Factor: 1 Analyst: DLB

Soil Aliquot Volume: ( µL )

Prep Batch: Analytical Batch: 357182

Analytical Method: OLCO 2.1

*CONCENTRATION UNITS: ug/L*

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

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW62A-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

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

Lab Sample ID: 20709070112

Level: (low/med)

Lab File ID: 2070916/w7904

% Moisture: not dec.

Date Collected: 09/06/07 Time: 1115

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

Date Received: 09/07/07

Instrument ID: MSV0

Date Analyzed: 09/16/07 Time: 1244

Soil Extract Volume: ( µL )

Dilution Factor: 1 Analyst: DLB

Soil Aliquot Volume: ( µL )

Prep Batch: Analytical Batch: 357182

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-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070112

Sample wt/vol: Units: Lab File ID: 2070916/w7904

Level: (low/med) Date Collected: 09/06/07 Time: 1115

% Moisture: not dec. Date Received: 09/07/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 1244

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

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-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070113

Level: (low/med) Lab File ID: 2070916/w7894

% Moisture: not dec. Date Collected: 09/06/07 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/07/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 0857

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

Analytical Method: OLCO 2.1

*CONCENTRATION UNITS: ug/L*

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

UJ

FORM I VOA

JLM 01/30/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070113

Level: (low/med) Lab File ID: 2070916/w7894

% Moisture: not dec. Date Collected: 09/06/07 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/07/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 0857

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

Analytical Method: OLCO 2.1

*CONCENTRATION UNITS: ug/L*

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene chloride | 0.40 | J | 0.010 | 2.0 |
| 100-42-5 | Styrene | 0.20 | J | 0.010 | 1.0 |
| 127-18-4 | Tetrachloroethene | 1.0 | U | 0.010 | 1.0 |
| 108-88-3 | Toluene | 1.0 | U | 0.010 | 1.0 |
| 79-01-6 | Trichloroethene | 1.0 | U | 0.010 | 1.0 |
| 75-01-4 | Vinyl chloride | 1.0 | U | 0.010 | 1.0 |
| 1330-20-7 | Xylene (total) | 1.0 | U | 0.010 | 1.0 |

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-TB-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070113

Sample wt/vol: Units: Lab File ID: 2070916/w7894

Level: (low/med) Date Collected: 09/06/07 Time: 0000

% Moisture: not dec. Date Received: 09/07/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 0857

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

Soil Extract Volume: ( µL )

Soil Aliquot Volume: ( µL )

*Number TICs Found:* 2

*CONCENTRATION UNITS:* *ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 115-07-1 | Propene | 6.814 | .125 | |
| 2. | 544-25-2 | 1,3,5-Cycloheptatriene | 8.443 | .151 | |

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

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

Lab Sample ID: 20709070117

Level: (low/med)

Lab File ID: 2070916/w7905

% Moisture: not dec.

Date Collected: 09/07/07 Time: 1145

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

Date Received: 09/08/07

Instrument ID: MSV0

Date Analyzed: 09/16/07 Time: 1307

Soil Extract Volume: ( µL )

Dilution Factor: 1 Analyst: DLB

Soil Aliquot Volume: ( µL )

Prep Batch: Analytical Batch: 357182

Analytical Method: OLCO 2.1

*CONCENTRATION UNITS: ug/L*

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

FORM I VOA

JLM 01/30/0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW63-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

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

Lab Sample ID: 20709070117

Level: (low/med)

Lab File ID: 2070916/w7905

% Moisture: not dec.

Date Collected: 09/07/07 Time: 1145

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

Date Received: 09/08/07

Instrument ID: MSV0

Date Analyzed: 09/16/07 Time: 1307

Soil Extract Volume: ( µL )

Dilution Factor: 1 Analyst: DLB

Soil Aliquot Volume: ( µL )

Prep Batch: Analytical Batch: 357182

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-GW63-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070117

Sample wt/vol: Units: Lab File ID: 2070916/w7905

Level: (low/med) Date Collected: 09/07/07 Time: 1145

% Moisture: not dec. Date Received: 09/08/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 1307

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

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-GW64-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

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

Lab Sample ID: 20709070118

Level: (low/med)

Lab File ID: 2070916/w7892

% Moisture: not dec.

Date Collected: 09/07/07 Time: 1135

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

Date Received: 09/08/07

Instrument ID: MSV0

Date Analyzed: 09/16/07 Time: 0811

Soil Extract Volume: ( µL )

Dilution Factor: 1 Analyst: DLB

Soil Aliquot Volume: ( µL )

Prep Batch: Analytical Batch: 357182

CONCENTRATION UNITS: ug/L

Analytical Method: OLCO 2.1

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

FORM I VOA



JLM 01/30/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-GW64-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070118

Level: (low/med) Lab File ID: 2070916/w7892

% Moisture: not dec. Date Collected: 09/07/07 Time: 1135

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/08/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 0811

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

*CONCENTRATION UNITS: ug/L* Analytical Method: OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-GW64-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070118

Sample wt/vol: Units: Lab File ID: 2070916/w7892

Level: (low/med) Date Collected: 09/07/07 Time: 1135

% Moisture: not dec. Date Received: 09/08/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 0811

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

Soil Extract Volume: ( µL )

Soil Aliquot Volume: ( µL )

*Number TICs Found:* 2

*CONCENTRATION UNITS:* *ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 60-29-7 | Ether | 3.078 | 4.83 | |
| 2. | 108-20-3 | Diisopropyl ether | 4.959 | 5.63 | |

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709070122

Level: (low/med) Lab File ID: 2070916/w7906

% Moisture: not dec. Date Collected: 09/07/07 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/08/07

Instrument ID: MSV0 Date Analyzed: 09/16/07 Time: 1330

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 357182

*CONCENTRATION UNITS: ug/L* Analytical Method: OLCO 2.1

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

FORM I VOA



JLM 01/30/

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: (soil/water) Water

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

Lab Sample ID: 20709070122

Level: (low/med)

Lab File ID: 2070916/w7906

% Moisture: not dec.

Date Collected: 09/07/07 Time: 0000

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

Date Received: 09/08/07

Instrument ID: MSV0

Date Analyzed: 09/16/07 Time: 1330

Soil Extract Volume: ( µL )

Dilution Factor: 1 Analyst: DLB

Soil Aliquot Volume: ( µL )

Prep Batch: Analytical Batch: 357182

CONCENTRATION UNITS: ug/L

Analytical Method: OLCO 2.1

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene chloride | 0.43 | J | 0.010 | 2.0 |
| 100-42-5 | Styrene | 1.0 | U | 0.010 | 1.0 |
| 127-18-4 | Tetrachloroethene | 1.0 | U | 0.010 | 1.0 |
| 108-88-3 | Toluene | 1.0 | U | 0.010 | 1.0 |
| 79-01-6 | Trichloroethene | 1.0 | U | 0.010 | 1.0 |
| 75-01-4 | Vinyl chloride | 1.0 | U | 0.010 | 1.0 |
| 1330-20-7 | Xylene (total) | 1.0 | U | 0.010 | 1.0 |

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-TB-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: Water Lab Sample ID: 20709070122

Sample wt/vol: Units: Lab File ID: 2070916/w7906

Level: (low/med) Date Collected: 09/07/07 Time: 0000

% Moisture: not dec. Date Received: 09/08/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 09/16/07 Time: 1330

Instrument ID: MSV0 Dilution Factor: 1 Analyst: DLB

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 | | | |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-GW06R-1023

Contract:

Lab File ID: 2070917/b4486

Lab Sample ID: 20709070101

Date Collected: 09/05/07 Time: 1210

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1151

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 ( µL )

Injection Volume: 1.0 ( µL )

GPC Cleanup: (Y/N) N pH:

*CONCENTRATION UNITS: ug/L*

Sample ID: SK-GW06R-1023

Contract:

Lab File ID: 2070917/b4486

Lab Sample ID: 20709070101

Date Collected: 09/05/07 Time: 1210

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1151

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | ~~1.68~~ 10.1 | JB | 0.010 | 10.1 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 | |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 | |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 | |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 | |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 | |
| 84-66-2 | Diethylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 | |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 | |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 | |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 | |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 | |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 | |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 | |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 | |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 | |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 | |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 | |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 | |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 | |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 | |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 | |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 | |

FORM I SV-1

JCM 01/30/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 ( µL )

Injection Volume: 1.0 ( µL )

GPC Cleanup: (Y/N) N pH:

*CONCENTRATION UNITS: ug/L*

Sample ID: SK-GW06R-1023

Contract:

Lab File ID: 2070917/b4486

Lab Sample ID: 20709070101

Date Collected: 09/05/07 Time: 1210

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1151

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

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.: 207090701

Matrix: Water

Sample wt/vol: 990 Units: ML

Level: (low/med) LOW

% Moisture: not dec.

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

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: SK-GW06R-1023

Contract:

Lab File ID: 2070917/b4486

Lab Sample ID: 20709070101

Date Collected: 09/05/07 Time: 1210

Date Received: 09/06/07

Date Extracted: 9/10/07

Date Analyzed: 09/17/07 Time: 1151

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV3

*Number TICs Found :* 3

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 105-60-2 | Caprolactam | 2.609 | 242 | |
| 2. | | Unknown | 5.107 | 1.84 | |
| 3. | | Unknown | 8.186 | 4.01 | |

FORM I SV-TIC



gkm 01/30/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW-59-1023

Contract:

Lab File ID: 2070917/b4487

Lab Sample ID: 20709070103

Date Collected: 09/05/07 Time: 1405

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1206

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW-59-1023

Contract:

Lab File ID: 2070917/b4487

Lab Sample ID: 20709070103

Date Collected: 09/05/07 Time: 1405

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1206

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | ~~9.40~~ 10.1 | JB | 0.010 | 10.1 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 | |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 | |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 | |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 | |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 | |
| 84-66-2 | Diethylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 | |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 | |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 | |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 | |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 | |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 | |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 | |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 | |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 | |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 | |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 | |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 | |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 | |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 | |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 | |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 | |

FORM I SV-1

JLM 01/30/0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW-59-1023

Contract:

Lab File ID: 2070917/b4487

Lab Sample ID: 20709070103

Date Collected: 09/05/07 Time: 1405

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1206

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

*CONCENTRATION UNITS: ug/L*

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

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.: 207090701

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-GW-59-1023

Contract:

Lab File ID: 2070917/b4487

Lab Sample ID: 20709070103

Date Collected: 09/05/07 Time: 1405

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1206

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV3

*Number TICs Found :* 6

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 123-91-1 | 1,4-Dioxane | .344 | 2.38 | |
| 2. | | Unknown | .917 | 1.9 | |
| 3. | | Unknown | .963 | 3.95 | |
| 4. | 105-60-2 | Caprolactam | 2.558 | 33.8 | |
| 5. | | Unknown | 5.342 | 9.46 | |
| 6. | | Unknown | 6.636 | 18.9 | |

FORM I SV-TIC

JCM 01/30/0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW61-1023

Contract:

Lab File ID: 2070917/b4488

Lab Sample ID: 20709070104

Date Collected: 09/05/07 Time: 1250

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1221

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW61-1023

Contract:

Lab File ID: 2070917/b4488

Lab Sample ID: 20709070104

Date Collected: 09/05/07 Time: 1250

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1221

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | ~~1.1~~ 10.1 | JB | 0.010 | 10.1 |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 |
| 84-66-2 | Diethylphthalate | 10.1 | U | 0.010 | 10.1 |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 |

U

FORM I SV-1



JCM 01/30/1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW61-1023

Contract:

Lab File ID: 2070917/b4488

Lab Sample ID: 20709070104

Date Collected: 09/05/07 Time: 1250

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1221

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

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.: 207090701

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-GW61-1023

Contract:

Lab File ID: 2070917/b4488

Lab Sample ID: 20709070104

Date Collected: 09/05/07 Time: 1250

Date Received: 09/06/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1221

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM 4.2 SYOA

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

Instrument ID: MSSV3

*Number TICs Found : 12*

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 123-91-1 | 1,4-Dioxane | .344 | 38 | |
| 2. | | Unknown | 3.375 | 60.8 | |
| 3. | 2207-27-4 | 1,3-Cyclopentadiene, 1,2,3,4-t | 4.593 | 15.4 | |
| 4. | 115-28-6 | Bicyclo[2.2.1]hept-5-ene-2,3-d | 4.749 | 136 | |
| 5. | | Unknown | .909 | 5.52 | |
| 6. | 105-60-2 | Caprolactam | 2.552 | 6.18 | |
| 7. | | Unknown | 2.603 | 24.3 | |
| 8. | | Unknown | 2.635 | 6.87 | |
| 9. | | Unknown | 2.657 | 10.9 | |
| 10. | | Unknown | 2.785 | 9.56 | |
| 11. | | Unknown | 2.842 | 9.93 | |
| 12. | 1825-61-2 | Silane, methoxytrimethyl- | 3.293 | 8.08 | |



gln 01/30/07

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW58-1023

Contract:

Lab File ID: 2070917/b4489

Lab Sample ID: 20709070110

Date Collected: 09/06/07 Time: 1040

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1236

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW58-1023

Contract:

Lab File ID: 2070917/b4489

Lab Sample ID: 20709070110

Date Collected: 09/06/07 Time: 1040

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1236

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | 27.1 | B | 0.010 | 10.1 |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 |
| 84-66-2 | Diethylphthalate | 10.1 | U | 0.010 | 10.1 |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW58-1023

Contract:

Lab File ID: 2070917/b4489

Lab Sample ID: 20709070110

Date Collected: 09/06/07 Time: 1040

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1236

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

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.: 207090701

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-GW58-1023

Contract:

Lab File ID: 2070917/b4489

Lab Sample ID: 20709070110

Date Collected: 09/06/07 Time: 1040

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1236

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM 4.2 SVOA

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

Instrument ID: MSSV3

*Number TICs Found : 6*

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | Unknown | .917 | 1.57 | |
| 2. | | Unknown | .966 | 3.18 | |
| 3. | 105-60-2 | Caprolactam | 2.541 | 1.19 | |
| 4. | 398-23-2 | 1,1'-Biphenyl, 4,4'-difluoro- | 2.881 | .935 | |
| 5. | | Unknown | 4.63 | 1.79 | |
| 6. | | Unknown | 5.106 | 1.53 | |

FORM I SV-TIC



JLM 01/30/

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

Matrix: Water

Sample wt/vol: 950 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 ( µL )

Injection Volume: 1.0 ( µL )

GPC Cleanup: (Y/N) N pH:

*CONCENTRATION UNITS: ug/L*

Sample ID: SK-FD-1023 (GW-58)

Contract:

Lab File ID: 2070917/b4490

Lab Sample ID: 20709070111

Date Collected: 09/06/07 Time: 1040

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1251

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.5 | U | 0.011 | 10.5 |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.5 | U | 0.011 | 10.5 |
| 120-83-2 | 2,4-Dichlorophenol | 10.5 | U | 0.011 | 10.5 |
| 51-28-5 | 2,4-Dinitrophenol | 26.3 | U | 0.011 | 26.3 |
| 121-14-2 | 2,4-Dinitrotoluene | 10.5 | U | 0.011 | 10.5 |
| 606-20-2 | 2,6-Dinitrotoluene | 10.5 | U | 0.011 | 10.5 |
| 91-58-7 | 2-Chloronaphthalene | 10.5 | U | 0.011 | 10.5 |
| 95-57-8 | 2-Chlorophenol | 10.5 | U | 0.011 | 10.5 |
| 91-57-6 | 2-Methylnaphthalene | 10.5 | U | 0.011 | 10.5 |
| 88-74-4 | 2-Nitroaniline | 26.3 | U | 0.011 | 26.3 |
| 88-75-5 | 2-Nitrophenol | 10.5 | U | 0.011 | 10.5 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.5 | U | 0.011 | 10.5 |
| 99-09-2 | 3-Nitroaniline | 26.3 | U | 0.011 | 26.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 26.3 | U | 0.011 | 26.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.5 | U | 0.011 | 10.5 |
| 106-47-8 | 4-Chloroaniline | 10.5 | U | 0.011 | 10.5 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.5 | U | 0.011 | 10.5 |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.5 | U | 0.011 | 10.5 |
| 83-32-9 | Acenaphthene | 10.5 | U | 0.011 | 10.5 |
| 208-96-8 | Acenaphthylene | 10.5 | U | 0.011 | 10.5 |
| 120-12-7 | Anthracene | 10.5 | U | 0.011 | 10.5 |
| 56-55-3 | Benzo(a)anthracene | 10.5 | U | 0.011 | 10.5 |
| 50-32-8 | Benzo(a)pyrene | 10.5 | U | 0.011 | 10.5 |
| 205-99-2 | Benzo(b)fluoranthene | 10.5 | U | 0.011 | 10.5 |
| 191-24-2 | Benzo(g,h,i)perylene | 10.5 | U | 0.011 | 10.5 |
| 207-08-9 | Benzo(k)fluoranthene | 10.5 | U | 0.011 | 10.5 |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.5 | U | 0.011 | 10.5 |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.5 | U | 0.011 | 10.5 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.5 | U | 0.011 | 10.5 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

Matrix: Water

Sample wt/vol: 950 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 ( µL )

Injection Volume: 1.0 ( µL )

GPC Cleanup: (Y/N) N pH:

*CONCENTRATION UNITS: ug/L*

Sample ID: SK-FD-1023 (GW-58)

Contract:

Lab File ID: 2070917/b4490

Lab Sample ID: 20709070111

Date Collected: 09/06/07 Time: 1040

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1251

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | ~~3.26~~ 10.1 | JB | 0.011 | 10.5 |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.5 | U | 0.011 | 10.5 |
| 85-68-7 | Butylbenzylphthalate | 10.5 | U | 0.011 | 10.5 |
| 86-74-8 | Carbazole | 10.5 | U | 0.011 | 10.5 |
| 218-01-9 | Chrysene | 10.5 | U | 0.011 | 10.5 |
| 84-74-2 | Di-n-butylphthalate | 10.5 | U | 0.011 | 10.5 |
| 117-84-0 | Di-n-octylphthalate | 10.5 | U | 0.011 | 10.5 |
| 53-70-3 | Dibenz(a,h)anthracene | 10.5 | U | 0.011 | 10.5 |
| 132-64-9 | Dibenzofuran | 10.5 | U | 0.011 | 10.5 |
| 84-66-2 | Diethylphthalate | 10.5 | U | 0.011 | 10.5 |
| 131-11-3 | Dimethyl-phthalate | 10.5 | U | 0.011 | 10.5 |
| 105-67-9 | 2,4-Dimethylphenol | 10.5 | U | 0.011 | 10.5 |
| 206-44-0 | Fluoranthene | 10.5 | U | 0.011 | 10.5 |
| 86-73-7 | Fluorene | 10.5 | U | 0.011 | 10.5 |
| 118-74-1 | Hexachlorobenzene | 10.5 | U | 0.011 | 10.5 |
| 87-68-3 | Hexachlorobutadiene | 10.5 | U | 0.011 | 10.5 |
| 77-47-4 | Hexachlorocyclopentadiene | 10.5 | U | 0.011 | 10.5 |
| 67-72-1 | Hexachloroethane | 10.5 | U | 0.011 | 10.5 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.5 | U | 0.011 | 10.5 |
| 78-59-1 | Isophorone | 10.5 | U | 0.011 | 10.5 |
| 91-20-3 | Naphthalene | 10.5 | U | 0.011 | 10.5 |
| 100-01-6 | 4-Nitroaniline | 26.3 | U | 0.011 | 26.3 |
| 98-95-3 | Nitrobenzene | 10.5 | U | 0.011 | 10.5 |
| 100-02-7 | 4-Nitrophenol | 26.3 | U | 0.011 | 26.3 |
| 87-86-5 | Pentachlorophenol | 26.3 | U | 0.011 | 26.3 |
| 85-01-8 | Phenanthrene | 10.5 | U | 0.011 | 10.5 |
| 108-95-2 | Phenol | 10.5 | U | 0.011 | 10.5 |
| 129-00-0 | Pyrene | 10.5 | U | 0.011 | 10.5 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.5 | U | 0.011 | 10.5 |

U

FORM I SV-1



01/30

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

Matrix: Water

Sample wt/vol: 950 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 1000 ( µL )

Injection Volume: 1.0 ( µL )

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: ug/L

Sample ID: SK-FD-1023 (GW-58)

Contract:

Lab File ID: 2070917/b4490

Lab Sample ID: 20709070111

Date Collected: 09/06/07 Time: 1040

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1251

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.5 | U | 0.011 | 10.5 |
| 95-48-7 | o-Cresol | 10.5 | U | 0.011 | 10.5 |

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.: 207090701

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-1023 (GW-58)

Contract:

Lab File ID: 2070917/b4490

Lab Sample ID: 20709070111

Date Collected: 09/06/07 Time: 1040

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1251

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SYOA

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

Instrument ID: MSSV3

*Number TICs Found : 11*

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 96-19-5 | 1-Propene, 1,2,3-trichloro- | .966 | 2.25 | |
| 2. | 7704-34-9 | Sulfur | 4.965 | 1.9 | |
| 3. | | Unknown | 5.379 | 1.41 | |
| 4. | | Unknown | 1.102 | 3.02 | |
| 5. | | Unknown | 2.45 | 3.58 | |
| 6. | | Unknown | 2.487 | 3.9 | |
| 7. | | Unknown | 2.521 | 2.21 | |
| 8. | 105-60-2 | Caprolactam | 2.549 | 5.82 | |
| 9. | 398-23-2 | 1,1'-Biphenyl, 4,4'-difluoro- | 2.884 | 1.05 | |
| 10. | 100-42-5 | Styrene | 3.492 | 4.11 | |
| 11. | | Unknown | 4.627 | 1.12 | |

FORM I SV-TIC

JLM 01/30/0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207090701
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-1023
Contract:
Lab File ID: 2070917/b4491
Lab Sample ID: 20709070112
Date Collected: 09/06/07 Time: 1115
Date Received: 09/07/07
Date Extracted: 09/10/07
Date Analyzed: 09/17/07 Time: 1306
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 | R |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 | R |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 | R |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 | R |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 | |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 | |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 | |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 | R |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 | |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 | R |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 | |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 | R |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 | R |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 | |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 | |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 | R |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 | |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 | |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 | |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 | |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 | |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 | |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 | |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 | |

FORM I SV-1



01/30/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-1023

Contract:

Lab File ID: 2070917/b4491

Lab Sample ID: 20709070112

Date Collected: 09/06/07 Time: 1115

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1306

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | ~~870~~ 10.1 | JB | 0.010 | 10.1 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 | |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 | |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 | |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 | |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 | |
| 84-66-2 | Diethylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 | |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 | R |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 | |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 | |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 | |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 | |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 | |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 | |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 | |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 | |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 | R |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 | R |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 | |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 | R |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 | |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 | |

FORM I SV-1

JLM 01/30/0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-1023

Contract:

Lab File ID: 2070917/b4491

Lab Sample ID: 20709070112

Date Collected: 09/06/07 Time: 1115

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1306

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357623

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

R

FORM I SV-1

JLM 01/30/08

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-1023

Contract:

Lab File ID: 2070917/b4491

Lab Sample ID: 20709070112

Date Collected: 09/06/07 Time: 1115

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/17/07 Time: 1306

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV3

*Number TICs Found : 12*

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 105-60-2 | Caprolactam | 2.816 | 4180 | |
| 2. | | Unknown | 6.773 | 19.1 | |
| 3. | | Unknown | 7.113 | 40.1 | |
| 4. | 56554-89-3 | 14-Octadecenal | 7.556 | 76.5 | |
| 5. | | Unknown | 4.718 | 68 | |
| 6. | 21964-49-8 | 1,13-Tetradecadiene | 4.879 | 63.2 | |
| 7. | 112-80-1 | Oleic Acid | 5.098 | 258 | |
| 8. | 504-78-9 | Thiazolidine | 5.37 | 66 | |
| 9. | 85896-31-7 | 13-Tetradecenal | 5.737 | 34.1 | |
| 10. | | Unknown | 6.049 | 59.2 | |
| 11. | | Unknown | 6.412 | 37.4 | |
| 12. | 20600-61-7 | Acetic acid, (butylthio)- | 6.739 | 20.9 | |

FORM I SV-TIC



JRM 01/30/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW63-1023

Contract:

Lab File ID: 2070918/b4516

Lab Sample ID: 20709070117

Date Collected: 09/07/07 Time: 1145

Date Received: 09/08/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 0931

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357665

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW63-1023

Contract:

Lab File ID: 2070918/b4516

Lab Sample ID: 20709070117

Date Collected: 09/07/07 Time: 1145

Date Received: 09/08/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 0931

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357665

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | ~~6.18~~ 10.1 | JB | 0.010 | 10.1 |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 |
| 84-66-2 | Diethylphthalate | 10.1 | U | 0.010 | 10.1 |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 |

U

FORM I SV-1

JCM 01/31/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW63-1023

Contract:

Lab File ID: 2070918/b4516

Lab Sample ID: 20709070117

Date Collected: 09/07/07 Time: 1145

Date Received: 09/08/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 0931

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357665

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

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.: 207090701

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-GW63-1023

Contract:

Lab File ID: 2070918/b4516

Lab Sample ID: 20709070117

Date Collected: 09/07/07 Time: 1145

Date Received: 09/08/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 0931

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

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

Instrument ID: MSSV3

*Number TICs Found : 5*

*CONCENTRATION UNITS: ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 103-90-2 | Acetaminophen | 3.055 | 1.19 | |
| 2. | | Unknown | 4.63 | 2.45 | |
| 3. | | Unknown | 5.107 | 3.24 | |
| 4. | 21964-49-8 | 1,13-Tetradecadiene | 7.261 | 459 | |
| 5. | | Unknown | 8.305 | 5.79 | |

FORM I SV-TIC

JKM 01/30/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW64-1023

Contract:

Lab File ID: 2070918/b4517

Lab Sample ID: 20709070118

Date Collected: 09/07/07 Time: 1135

Date Received: 09/08/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 0946

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357665

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW64-1023

Contract:

Lab File ID: 2070918/b4517

Lab Sample ID: 20709070118

Date Collected: 09/07/07 Time: 1135

Date Received: 09/08/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 0946

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357665

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | 12.7 | B | 0.010 | 10.1 |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 |
| 84-66-2 | Diethylphthalate | 10.1 | U | 0.010 | 10.1 |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 |

U

FORM I SV-1



01/31

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-GW64-1023

Contract:

Lab File ID: 2070918/b4517

Lab Sample ID: 20709070118

Date Collected: 09/07/07 Time: 1135

Date Received: 09/08/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 0946

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357665

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

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.: 207090701

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-GW64-1023

Contract:

Lab File ID: 2070918/b4517

Lab Sample ID: 20709070118

Date Collected: 09/07/07 Time: 1135

Date Received: 09/08/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 0946

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM 4.2 SVOA

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

Instrument ID: MSSV3

*Number TICs Found :* 5

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 123-91-1 | 1,4-Dioxane | .344 | 10.1 | |
| 2. | | Unknown | 2.226 | 1.5 | |
| 3. | 0-00-0 | 2-Butynan, 1-acetyl-4-[1-piper | 2.691 | 1.53 | |
| 4. | | Unknown | 4.627 | 1.52 | |
| 5. | | Unknown | 5.104 | 2.46 | |

FORM I SV-TIC



JLM 01/30

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-1023 (RA)

Contract:

Lab File ID: 2070918/b4520

Lab Sample ID: 20709070127

Date Collected: 09/06/07 Time: 1115

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 1057

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357665

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 | R |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 | R |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 | R |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 | R |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 | |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 | |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 | |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 | R |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 | UJ |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 | R |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 | |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 | R |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 | R |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 | |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 | |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 | R |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 | |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 | |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 | |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 | |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 | |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 | |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 | |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 | |

FORM I SV-1

JLM 01/30/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-1023 (RA)

Contract:

Lab File ID: 2070918/b4520

Lab Sample ID: 20709070127

Date Collected: 09/06/07 Time: 1115

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 1057

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357665

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | ~~9.61~~ 10.1 | JB | 0.010 | 10.1 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 | |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 | |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 | |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 | |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 | |
| 84-66-2 | Diethylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 | |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 | R |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 | |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 | |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 | |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 | |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 | |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 | |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 | |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 | |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 | R |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 | R |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 | |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 | R |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 | |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 | |

FORM I SV-1



JLM 01/30/0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207090701

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-1023 (RA)

Contract:

Lab File ID: 2070918/b4520

Lab Sample ID: 20709070127

Date Collected: 09/06/07 Time: 1115

Date Received: 09/07/07

Date Extracted: 09/10/07

Date Analyzed: 09/18/07 Time: 1057

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 357174 Analytical Batch: 357665

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 | |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 | R |

FORM I SV-1

JCM 01/30/08

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 ( µL )
Soil Aliquot Volume: ( µL )
Injection Volume: 1 ( µL )
GPC Cleanup: (Y/N) N pH:
Prep Batch: 357175 Analytical Batch: 357745

Sample ID: SK-GW06R-1023
Contract:
SAS No.: SDG No.: 207090701
Lab Sample ID: 20709070101
Date Collected: 09/05/07 Time: 1210
Date Received: 09/06/07
Date Extracted: 09/10/07
Date Analyzed: 09/15/07 Time: 2029
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2070915/sv18a019

*CONCENTRATION UNITS: ug/L*

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

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 ( µL )
Soil Aliquot Volume: ( µL )
Injection Volume: 1 ( µL )
GPC Cleanup: (Y/N) N pH:
Prep Batch: 357175 Analytical Batch: 357745

Sample ID: SK-GW-59-1023
Contract:
SAS No.: SDG No.: 207090701
Lab Sample ID: 20709070103
Date Collected: 09/05/07 Time: 1405
Date Received: 09/06/07
Date Extracted: 09/10/07
Date Analyzed: 09/15/07 Time: 2047
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2070915/sv18a020

*CONCENTRATION UNITS: ug/L*

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

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 ( µL )
Soil Aliquot Volume: ( µL )
Injection Volume: 1 ( µL )
GPC Cleanup: (Y/N) N pH:
Prep Batch: 357175 Analytical Batch: 357745

Sample ID: SK-GW61-1023
Contract:
SAS No.: SDG No.: 207090701
Lab Sample ID: 20709070104
Date Collected: 09/05/07 Time: 1250
Date Received: 09/06/07
Date Extracted: 09/10/07
Date Analyzed: 09/15/07 Time: 2105
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2070915/sv18a021

*CONCENTRATION UNITS: ug/L*

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

FORM I ORG-1



JLM 01/30/

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: SK-GW58-1023
Lab Code: LA024 Case No.:
Contract:
Matrix: Water
SAS No.: SDG No.: 207090701
Sample wt/vol: 1000 Units: mL
Lab Sample ID: 20709070110
Level: (low/med) LOW
Date Collected: 09/06/07 Time: 1040
% Moisture: decanted: (Y/N)
Date Received: 09/07/07
GC Column: ID: (mm)
Date Extracted: 09/10/07
Concentrated Extract Volume: 1000 ( µL )
Date Analyzed: 09/15/07 Time: 2122
Soil Aliquot Volume: ( µL )
Dilution Factor: 1 Analyst: TLS
Injection Volume: 1 ( µL )
Prep Method: OLM4.2 PEST/PCB
GPC Cleanup: (Y/N) N pH:
Analytical Method: OLMO 4.2
Prep Batch: 357175 Analytical Batch: 357745
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
CONCENTRATION UNITS: ug/L
Lab File ID: 2070915/sv18a022

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

FORM I ORG-1

JCM 01/30/08

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: 357175 Analytical Batch: 357745

Sample ID: SK-FD-1023 (GW-58)
Contract:
SAS No.: SDG No.: 207090701
Lab Sample ID: 20709070111
Date Collected: 09/06/07 Time: 1040
Date Received: 09/07/07
Date Extracted: 09/10/07
Date Analyzed: 09/15/07 Time: 2140
Dilution Factor: 1 Analyst: TLS
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: 2070915/sv18a023

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | 0.102 | U | 0.000102 | 0.102 | UJ |
| 72-55-9 | 4,4'-DDE | 0.102 | U | 0.000102 | 0.102 | UJ |
| 50-29-3 | 4,4'-DDT | 0.102 | U | 0.000102 | 0.102 | |
| 309-00-2 | Aldrin | 0.051 | U | 0.000102 | 0.051 | UJ |
| 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 | UJ |
| 959-98-8 | Endosulfan I | 0.051 | U | 0.000102 | 0.051 | UJ |
| 33213-65-9 | Endosulfan II | 0.102 | U | 0.000102 | 0.102 | UJ |
| 1031-07-8 | Endosulfan sulfate | 0.102 | U | 0.000102 | 0.102 | UJ |
| 72-20-8 | Endrin | 0.102 | U | 0.000102 | 0.102 | |
| 7421-93-4 | Endrin aldehyde | 0.102 | U | 0.000102 | 0.102 | UJ |
| 53494-70-5 | Endrin ketone | 0.102 | U | 0.000102 | 0.102 | UJ |
| 76-44-8 | Heptachlor | 0.051 | U | 0.000102 | 0.051 | UJ |
| 1024-57-3 | Heptachlor epoxide | 0.051 | U | 0.000102 | 0.051 | UJ |
| 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 | UJ |
| 319-85-7 | beta-BHC | 0.051 | U | 0.000102 | 0.051 | |
| 319-86-8 | delta-BHC | 0.051 | U | 0.000102 | 0.051 | UJ |
| 58-89-9 | gamma-BHC (Lindane) | 0.051 | U | 0.000102 | 0.051 | |
| 5103-74-2 | gamma-Chlordane | 0.051 | U | 0.000102 | 0.051 | UJ |

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 ( µL )
Soil Aliquot Volume: ( µL )
Injection Volume: 1 ( µL )
GPC Cleanup: (Y/N) N pH:
Prep Batch: 357175 Analytical Batch: 357745

Sample ID: SK-GW62A-1023
Contract:
SAS No.: SDG No.: 207090701
Lab Sample ID: 20709070112
Date Collected: 09/06/07 Time: 1115
Date Received: 09/07/07
Date Extracted: 09/10/07
Date Analyzed: 09/15/07 Time: 2158
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2070915/sv18a024

*CONCENTRATION UNITS: ug/L*

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

FORM I ORG-1

JCM 01/30/08

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 1000 ( µL )

Soil Aliquot Volume: ( µL )

Injection Volume: 1 ( µL )

GPC Cleanup: (Y/N) N pH:

Prep Batch: 357175 Analytical Batch: 357745

Sample ID: SK-GW63-1023

Contract:

SAS No.: SDG No.: 207090701

Lab Sample ID: 20709070117

Date Collected: 09/07/07 Time: 1145

Date Received: 09/08/07

Date Extracted: 09/10/07

Date Analyzed: 09/15/07 Time: 2216

Dilution Factor: 1 Analyst: TLS

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: 2070915/sv18a025

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

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: 357175 Analytical Batch: 357745

Sample ID: SK-GW64-1023
Contract:
SAS No.: SDG No.: 207090701
Lab Sample ID: 20709070118
Date Collected: 09/07/07 Time: 1135
Date Received: 09/08/07
Date Extracted: 09/10/07
Date Analyzed: 09/15/07 Time: 2233
Dilution Factor: 1 Analyst: TLS
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: 2070915/sv18a026

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | 0.102 | U | 0.000102 | 0.102 | UJ |
| 72-55-9 | 4,4'-DDE | 0.102 | U | 0.000102 | 0.102 | UJ |
| 50-29-3 | 4,4'-DDT | 0.102 | U | 0.000102 | 0.102 | |
| 309-00-2 | Aldrin | 0.051 | U | 0.000102 | 0.051 | UJ |
| 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 | UJ |
| 959-98-8 | Endosulfan I | 0.051 | U | 0.000102 | 0.051 | UJ |
| 33213-65-9 | Endosulfan II | 0.102 | U | 0.000102 | 0.102 | UJ |
| 1031-07-8 | Endosulfan sulfate | 0.102 | U | 0.000102 | 0.102 | UJ |
| 72-20-8 | Endrin | 0.102 | U | 0.000102 | 0.102 | |
| 7421-93-4 | Endrin aldehyde | 0.102 | U | 0.000102 | 0.102 | UJ |
| 53494-70-5 | Endrin ketone | 0.102 | U | 0.000102 | 0.102 | UJ |
| 76-44-8 | Heptachlor | 0.051 | U | 0.000102 | 0.051 | UJ |
| 1024-57-3 | Heptachlor epoxide | 0.051 | U | 0.000102 | 0.051 | UJ |
| 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 | UJ |
| 319-85-7 | beta-BHC | 0.051 | U | 0.000102 | 0.051 | |
| 319-86-8 | delta-BHC | 0.051 | U | 0.000102 | 0.051 | UJ |
| 58-89-9 | gamma-BHC (Lindane) | 0.051 | U | 0.000102 | 0.051 | |
| 5103-74-2 | gamma-Chlordane | 0.051 | U | 0.000102 | 0.051 | UJ |

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

SOW No.:

| *EPA Sample No.* | *Lab Sample ID.* |
|---|---|
| SK-GW06R-1023 | 20709070101 |
| SK-GW-59-1023 | 20709070103 |
| SK-GW61-1023 | 20709070104 |
| SK-GW06R-1023(DISS) | 20709070106 |
| SK-GW59-1023(DISS) | 20709070107 |
| SK-GW61-1023(DISS) | 20709070108 |
| SK-GW58-1023 | 20709070110 |
| SK-FD-1023 (GW-58) | 20709070111 |
| SK-GW62A-1023 | 20709070112 |
| SK-GW58-1023 (DISS) | 20709070114 |
| SK-FD-1023 (GW-58) DISS | 20709070115 |
| SK-GW62A-1023 (DISS) | 20709070116 |
| SK-GW63-1023 | 20709070117 |
| SK-GW64-1023 | 20709070118 |
| SK-MS-1023(GW-64) | 20709070119 |

Were ICP interelement corrections applied ? Yes / No YES

Were ICP background corrections applied ? Yes / No YES

If yes-were raw data generated before application of background corrections ? Yes / No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness for other than the conditions detailed above. Release of this data contained in this hardcopy data package and in the computer readable data submitted on the diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Karen Melerine Name: Karen Melerine

Date:: 10-10-07 Title: Metals Supervisor

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

SOW No.:

| *EPA Sample No.* | *Lab Sample ID.* |
|---|---|
| SK-DUP-1023(GW-64) | 20709070121 |
| SK-GW63-1023 (DISS) | 20709070123 |
| SK-GW64-1023 (DISS) | 20709070124 |
| SK-MS-1023 (GW64) DISS | 20709070125 |
| SK-DUP-1023 (GW64) DISS | 20709070126 |

Were ICP interelement corrections applied ? Yes / No YES

Were ICP background corrections applied ? Yes / No YES

If yes-were raw data generated before application of background corrections ? Yes / No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness for other than the conditions detailed above. Release of this data contained in this hardcopy data package and in the computer reacable data submitted on the diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Karen Melerine Name: Karen Melerine

Date:: 10-10-07 Title: Metals Supervisor

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW06R-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070101

Level: ( low / med ) Date Received: 09/06/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 3720 | | E | P | J |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 283 | | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 210000 | | | P | |
| 7440-47-3 | Chromium | 8.5 | B | | P | |
| 7440-48-4 | Cobalt | 3.7 | B | | P | |
| 7440-50-8 | Copper | 14.4 | B | | P | |
| 7439-89-6 | Iron | 9420 | | E | P | J |
| 7439-92-1 | Lead | 12.3 | | | P | |
| 7439-95-4 | Magnesium | 48200 | | | P | |
| 7439-96-5 | Manganese | 482 | | E | P | J |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 8.4 | B | | P | |
| 7440-09-7 | Potassium | 3270 | B | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | R |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 18300 | | E | P | J |
| 7440-28-0 | Thallium | 2.1 | B | | P | |
| 7440-62-2 | Vanadium | 20.4 | B | | P | |
| 7440-66-6 | Zinc | 40.8 | | | P | |
| 57-12-5 | Cyanide | 3.5 | B | | AS | |

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

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

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW-59-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070103

Level: ( low / med ) Date Received: 09/06/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1900 | | E | P | J |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 58.8 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 195000 | | | P | |
| 7440-47-3 | Chromium | 6.9 | B | | P | |
| 7440-48-4 | Cobalt | 1.1 | B | | P | |
| 7440-50-8 | Copper | 7.4 | B | | P | |
| 7439-89-6 | Iron | 5630 | | E | P | J |
| 7439-92-1 | Lead | 4.8 | | | P | |
| 7439-95-4 | Magnesium | 41000 | | | P | |
| 7439-96-5 | Manganese | 197 | | E | P | J |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 5.0 | B | | P | |
| 7440-09-7 | Potassium | 15700 | | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | R |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 96100 | | E | P | J |
| 7440-28-0 | Thallium | 2.5 | B | | P | |
| 7440-62-2 | Vanadium | 12.1 | B | | P | |
| 7440-66-6 | Zinc | 32.8 | | | P | |
| 57-12-5 | Cyanide | 3.1 | B | | AS | |

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

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

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW61-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070104

Level: ( low / med ) Date Received: 09/06/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 130 | B | E | P | J |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 38.1 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 241000 | | | P | |
| 7440-47-3 | Chromium | 3.4 | B | | P | |
| 7440-48-4 | Cobalt | 0.6 | B | | P | |
| 7440-50-8 | Copper | 4.9 | B | | P | |
| 7439-89-6 | Iron | 420 | | E | P | J |
| 7439-92-1 | Lead | 0.8 | U | | P | |
| 7439-95-4 | Magnesium | 46900 | | | P | |
| 7439-96-5 | Manganese | 172 | | E | P | J |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 4.5 | B | | P | |
| 7440-09-7 | Potassium | 7920 | | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | R |
| 7440-22-4 | Silver | 0.3 | B | | P | |
| 7440-23-5 | Sodium | 45000 | | E | P | J |
| 7440-28-0 | Thallium | 2.3 | B | | P | |
| 7440-62-2 | Vanadium | 10.1 | B | | P | |
| 7440-66-6 | Zinc | 33.9 | | | P | |
| 57-12-5 | Cyanide | 3.1 | 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-GW06R-1023(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070106

Level: ( low / med ) Date Received: 09/06/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15.4 | U | ~~E~~ | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 219 | | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 166000 | | | P | |
| 7440-47-3 | Chromium | 1.8 | B | | P | |
| 7440-48-4 | Cobalt | 0.4 | B | | P | |
| 7440-50-8 | Copper | 2.1 | B | | P | |
| 7439-89-6 | Iron | 358 | | ~~E~~ | P | |
| 7439-92-1 | Lead | 0.9 | B | | P | |
| 7439-95-4 | Magnesium | 29100 | | | P | |
| 7439-96-5 | Manganese | 262 | | ~~E~~ | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.6 | B | | P | |
| 7440-09-7 | Potassium | 2520 | B | ~~E~~ | P | |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 17800 | | ~~E~~ | P | |
| 7440-28-0 | Thallium | 2.9 | B | | P | |
| 7440-62-2 | Vanadium | 7.6 | B | | P | |
| 7440-66-6 | Zinc | 10.8 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW59-1023(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070107

Level: ( low / med ) Date Received: 09/06/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15.4 | U | ~~E~~ | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 39.0 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 187000 | | | P | |
| 7440-47-3 | Chromium | 2.7 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 3.6 | B | | P | |
| 7439-89-6 | Iron | 8.5 | U | ~~E~~ | P | |
| 7439-92-1 | Lead | 0.8 | U | | P | |
| 7439-95-4 | Magnesium | 40000 | | | P | |
| 7439-96-5 | Manganese | 34.8 | | ~~E~~ | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 15500 | | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 97800 | | E | P | J |
| 7440-28-0 | Thallium | 1.7 | U | | P | |
| 7440-62-2 | Vanadium | 8.6 | B | | P | |
| 7440-66-6 | Zinc | 11.6 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW61-1023(DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070108

Level: ( low / med ) Date Received: 09/06/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15.4 | U | ~~E~~ | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 38.2 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 241000 | | | P | |
| 7440-47-3 | Chromium | 3.1 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 4.6 | B | | P | |
| 7439-89-6 | Iron | 14.5 | B | ~~E~~ | P | |
| 7439-92-1 | Lead | 0.8 | U | | P | |
| 7439-95-4 | Magnesium | 47900 | | | P | |
| 7439-96-5 | Manganese | 179 | | ~~E~~ | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 4.2 | B | | P | |
| 7440-09-7 | Potassium | 8010 | | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 47800 | | E | P | J |
| 7440-28-0 | Thallium | 1.7 | U | | P | |
| 7440-62-2 | Vanadium | 9.3 | B | | P | |
| 7440-66-6 | Zinc | 15.7 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW58-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070110

Level: ( low / med ) Date Received: 09/07/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 3340 | | N,*,E | P | J |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 145 | B | | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 123000 | | | P | |
| 7440-47-3 | Chromium | 8.5 | B | | P | |
| 7440-48-4 | Cobalt | 2.8 | B | | P | |
| 7440-50-8 | Copper | 5.4 | B | | P | |
| 7439-89-6 | Iron | 7410 | | | P | |
| 7439-92-1 | Lead | 3.0 | B | ~~E~~ | P | J |
| 7439-95-4 | Magnesium | 36200 | | | P | |
| 7439-96-5 | Manganese | 232 | | | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 6.1 | B | | P | |
| 7440-09-7 | Potassium | 4770 | B | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 26900 | | | P | |
| 7440-28-0 | Thallium | 1.7 | U | | P | |
| 7440-62-2 | Vanadium | 14.4 | B | | P | |
| 7440-66-6 | Zinc | 23.9 | | ~~E~~ | P | |
| 57-12-5 | Cyanide | 0.6 | U | | AS | |

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

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

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1023 (GW-58)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070111

Level: ( low / med ) Date Received: 09/07/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 21900 | | N,*,E | P | J |
| 7440-36-0 | Antimony | 4.7 | B | | P | |
| 7440-38-2 | Arsenic | 5.4 | B | | P | |
| 7440-39-3 | Barium | 391 | | | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 292000 | | | P | |
| 7440-47-3 | Chromium | 48.5 | | | P | |
| 7440-48-4 | Cobalt | 24.2 | B | | P | |
| 7440-50-8 | Copper | 52.7 | | | P | |
| 7439-89-6 | Iron | 61300 | | | P | |
| 7439-92-1 | Lead | 35.1 | | E | P | J |
| 7439-95-4 | Magnesium | 70300 | | | P | |
| 7439-96-5 | Manganese | 1930 | | | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 56.1 | | | P | |
| 7440-09-7 | Potassium | 8700 | | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 32100 | | | P | |
| 7440-28-0 | Thallium | 1.7 | U | | P | |
| 7440-62-2 | Vanadium | 57.1 | | | P | |
| 7440-66-6 | Zinc | 162 | | E | P | |
| 57-12-5 | Cyanide | 9.0 | B | | AS | |

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

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

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62A-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070112

Level: ( low / med ) Date Received: 09/07/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 5460 | | E | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | UJ |
| 7440-39-3 | Barium | 183 | B | E | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 161000 | | | P | |
| 7440-47-3 | Chromium | 16.2 | | | P | |
| 7440-48-4 | Cobalt | 5.7 | B | | P | |
| 7440-50-8 | Copper | 16.6 | B | | P | |
| 7439-89-6 | Iron | 14400 | | E | P | |
| 7439-92-1 | Lead | 13.7 | | | P | |
| 7439-95-4 | Magnesium | 50100 | | | P | |
| 7439-96-5 | Manganese | 614 | | E | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 15.8 | B | | P | |
| 7440-09-7 | Potassium | 8620 | | E | P | |
| 7782-49-2 | Selenium | 3.9 | U | N | P | R |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 105000 | | E | P | |
| 7440-28-0 | Thallium | 1.7 | U | | P | |
| 7440-62-2 | Vanadium | 19.6 | B | | P | |
| 7440-66-6 | Zinc | 55.0 | | | P | |

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

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

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW58-1023 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070114

Level: ( low / med ) Date Received: 09/07/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15.4 | U | E | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | UJ |
| 7440-39-3 | Barium | 106 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 99100 | | | P | |
| 7440-47-3 | Chromium | 2.2 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 3.4 | B | | P | |
| 7439-89-6 | Iron | 8.5 | U | ~~E~~ | P | |
| 7439-92-1 | Lead | 1.5 | B | | P | |
| 7439-95-4 | Magnesium | 30100 | | | P | |
| 7439-96-5 | Manganese | 13.2 | B | ~~E~~ | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 4180 | B | ~~E~~ | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 29800 | | ~~E~~ | P | |
| 7440-28-0 | Thallium | 4.1 | B | | P | UJ |
| 7440-62-2 | Vanadium | 5.4 | B | | P | |
| 7440-66-6 | Zinc | 6.8 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

01/30/08

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

EPA SAMPLE NO.

SK-FD-1023 (GW-58) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070115

Level: ( low / med ) Date Received: 09/07/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15.4 | U | E | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | UJ |
| 7440-39-3 | Barium | 114 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 99600 | | | P | |
| 7440-47-3 | Chromium | 2.2 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 2.7 | B | | P | |
| 7439-89-6 | Iron | 8.5 | U | ~~E~~ | P | |
| 7439-92-1 | Lead | 0.8 | U | | P | |
| 7439-95-4 | Magnesium | 32300 | | | P | |
| 7439-96-5 | Manganese | 40.0 | | ~~E~~ | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 4690 | B | ~~E~~ | P | UJ |
| 7782-49-2 | Selenium | 3.9 | U | N | P | |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 33400 | | E | P | |
| 7440-28-0 | Thallium | 2.2 | B | | P | J |
| 7440-62-2 | Vanadium | 4.8 | B | | P | |
| 7440-66-6 | Zinc | 8.6 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

JCM 01/30/08

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-GW62A-1023 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070116

Level: ( low / med ) Date Received: 09/07/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 31.0 | B | ~~E~~ | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | UJ |
| 7440-39-3 | Barium | 91.8 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 115000 | | | P | |
| 7440-47-3 | Chromium | 2.3 | B | | P | |
| 7440-48-4 | Cobalt | 0.4 | B | | P | |
| 7440-50-8 | Copper | 2.5 | B | | P | |
| 7439-89-6 | Iron | 202 | | ~~E~~ | P | |
| 7439-92-1 | Lead | 0.8 | U | | P | |
| 7439-95-4 | Magnesium | 40400 | | | P | |
| 7439-96-5 | Manganese | 128 | | ~~E~~ | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 1.2 | B | | P | |
| 7440-09-7 | Potassium | 7530 | | E | P | |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 101000 | | E | P | |
| 7440-28-0 | Thallium | 1.7 | U | | P | UJ |
| 7440-62-2 | Vanadium | 5.7 | B | | P | |
| 7440-66-6 | Zinc | 16.0 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1



01/30/08

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

EPA SAMPLE NO.

SK-GW63-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070117

Level: ( low / med ) Date Received: 09/08/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1730 | | E | P | J |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | UJ |
| 7440-39-3 | Barium | 53.1 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 266000 | | | P | |
| 7440-47-3 | Chromium | 4.1 | B | | P | |
| 7440-48-4 | Cobalt | 3.3 | B | | P | |
| 7440-50-8 | Copper | 6.3 | B | | P | |
| 7439-89-6 | Iron | 4620 | | E | P | J |
| 7439-92-1 | Lead | 2.5 | B | | P | |
| 7439-95-4 | Magnesium | 56600 | | | P | |
| 7439-96-5 | Manganese | 1220 | | E | P | J |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 8.2 | B | | P | |
| 7440-09-7 | Potassium | 7570 | | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | R |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 54800 | | E | P | J |
| 7440-28-0 | Thallium | 7.4 | B | | P | UJ |
| 7440-62-2 | Vanadium | 10.2 | B | | P | |
| 7440-66-6 | Zinc | 23.6 | | | P | |
| 57-12-5 | Cyanide | 10.3 | | | AS | |

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

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

Comments:

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

EPA SAMPLE NO.

SK-GW64-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070118

Level: ( low / med ) Date Received: 09/08/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1780 | | E | P | J |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 49.8 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 186000 | | | P | |
| 7440-47-3 | Chromium | 5.4 | B | | P | |
| 7440-48-4 | Cobalt | 3.0 | B | | P | |
| 7440-50-8 | Copper | 6.8 | B | | P | |
| 7439-89-6 | Iron | 4080 | | E | P | J |
| 7439-92-1 | Lead | 2.1 | B | | P | |
| 7439-95-4 | Magnesium | 53600 | | | P | |
| 7439-96-5 | Manganese | 702 | | E | P | J |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 5.7 | B | | P | |
| 7440-09-7 | Potassium | 8710 | | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | R |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 39500 | | E | P | J |
| 7440-28-0 | Thallium | 6.1 | B | | P | |
| 7440-62-2 | Vanadium | 12.9 | B | | P | |
| 7440-66-6 | Zinc | 16.2 | B | | P | |
| 57-12-5 | Cyanide | 7.3 | B | | AS | |

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

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

Comments:

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

EPA SAMPLE NO.

SK-GW63-1023 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070123

Level: ( low / med ) Date Received: 09/08/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15.4 | U | ~~E~~ | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 44.5 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 240000 | | | P | |
| 7440-47-3 | Chromium | 1.9 | B | | P | |
| 7440-48-4 | Cobalt | 1.9 | B | | P | |
| 7440-50-8 | Copper | 0.7 | U | | P | |
| 7439-89-6 | Iron | 8.5 | U | ~~E~~ | P | |
| 7439-92-1 | Lead | 0.8 | U | | P | UJ |
| 7439-95-4 | Magnesium | 51900 | | | P | |
| 7439-96-5 | Manganese | 887 | | E | P | J |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 3.2 | B | | P | |
| 7440-09-7 | Potassium | 6680 | | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 49400 | | E | P | J |
| 7440-28-0 | Thallium | 5.0 | B | | P | |
| 7440-62-2 | Vanadium | 9.2 | B | | P | |
| 7440-66-6 | Zinc | 5.5 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:



JLM 01/30/0

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

EPA SAMPLE NO.

SK-GW64-1023 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207090701

Matrix: ( soil / water ) Water Lab Sample ID: 20709070124

Level: ( low / med ) Date Received: 09/08/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15.4 | U | ~~E~~ | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 40.2 | B | E | P | J |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 164000 | | | P | |
| 7440-47-3 | Chromium | 3.1 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 3.5 | B | | P | |
| 7439-89-6 | Iron | 8.5 | U | ~~E~~ | P | |
| 7439-92-1 | Lead | 0.8 | U | | P | |
| 7439-95-4 | Magnesium | 49600 | | | P | |
| 7439-96-5 | Manganese | 269 | | ~~E~~ | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 2.4 | B | | P | |
| 7440-09-7 | Potassium | 8920 | | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 39600 | | E | P | J |
| 7440-28-0 | Thallium | 1.7 | U | | P | |
| 7440-62-2 | Vanadium | 10.5 | B | | P | |
| 7440-66-6 | Zinc | 10.2 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:



01/30/08

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

| Lab use only | | | |
|---|---|---|---|
| Earth Tech | 4342 | 2070907 01 | 9-20-07 |
| Client Name | Client # | Workorder # | Due Date |

**Report to:**
Client: Earth Tech
Address: 2373 Progress Dr.
Hebron, KY 41048
Contact: Ron Reelker
Phone: 859-442-2300
Fax: 859-442-2311

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

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill 3rd Qt 2007
Sampled By: Alex Maginnis / Mike Papp

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | Pesticides | PCBs | Total metals | Diss. metals | Cyanide | VOCs | Remarks: | Lab ID / D.S.S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/5/07 | 1210 | | X | SK-GW06R-1023 | HCl | 3 | | | | | | | X | refer to | 1 |
| W | ↓ | 1310 | | X | SK-GW-07R-1023 | HCl | 2 | | | | | | | X | table 7 | 2 |
| W | ↓ | 1405 | | X | SK-GW-59-1023 | HCl | 3 | | | | | | | X | of O&M | 3 |
| W | ↓ | 1250 | | X | SK-GW61-1023 | various | 10 | X | X | X | X | X | X | X | CTTP | 4, 8 |
| W | ↓ | — | — | — | SK-TB-1023 | HCl | 3 | | | | | | | X | for list | 5 |
| | | | | | | | | | | | | | | | of analytes | |
| | | | | | | | | | | | | | | | VHBLK | 9 |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| [signature] | FedEx | 9/5/07 | 1600 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| Fedex | [signature] | 9-6-07 | 1820 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| [signature] | [signature] | 9-7-07 | 09 |

Note: SK-GW07R-1023: Insufficient volume of sample for all analysis -2 Vials only. trip blank provided by lab.

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

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

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

GCAL-06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

| Lab use only | | | |
|---|---|---|---|
| Earth Tech | 4342 | 207090701 | 9-2007 |
| Client Name | Client # | Workorder # | Due Date |

**Report to:**
Client: Earth Tech
Address: 2323 Progress Dr
Hebron KY 41048
Contact: Ron Roelker
Phone: 859-442-2300
Fax: 859-442-2311

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

P.O. Number: 54260.01
Project Name/Number: Skinner Landfill 3rd Qt 2007
Sampled By: Alex Maginn.3

Analytical Requests & Method

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | Pesticides | PCBs | Total Metals | diss. Metals | Cyanide | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1210 | | | SK-GW-06R1023 | | 7 | | X | X | X | X | X | refer to table 7 of QAM LTTP for complete list of analytes | 1 6 |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| [signature] | Fed Ex | 9/5/07 | 1600 |
| Fedex | [signature] | 9-6-07 | 1820 |
| [signature] | [signature] | 9-7-07 | 0545 |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

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

GCAL-06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

| Lab use only | | | |
|---|---|---|---|
| Earth Tech | 4342 | 20709070l | 9-20-07 |
| Client Name | Client # | Workorder # | Due Date |

**Report to:**
Client: Earth Tech
Address: 2373 Progress Dr
Hebron KY 41048
Contact: Ron Roeller
Phone: 859-442-2300
Fax: 859-442-2311

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill 3rd Qt 07
Sampled By: Alex Maginnis

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | Pesticides | PCBs | total metals | diss metals | Cyanide | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ~~SK-GW07-1023~~ | | ~~9~~ | | | | | | | | DSS |
| | | 1405 | | X | SK-GW59-1023 | Various | 7 | X | X | X | X | X | X | refer to table 7 of O&M LTTP for complete list of analytes | 3 7 |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| [signature] | Fed Ex | 9/5/07 | 1600 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| Fedex | [signature] | 9-6-07 | 1820 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| [signature] | [signature] | 9-7-07 | [illegible] |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

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

GCAL-06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

| Lab use only | | | |
|---|---|---|---|
| Earth Tech | 4342 | 207090701 | 9-21-07 |
| Client Name | Client # | Workorder # | Due Date |

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

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

P.O. Number: 54280.01
Project Name/Number: Skinner Land Fill/3rd Q 2007
Sampled By: Michael J. Papp

Analytical Requests & Method

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | Pesticides | PCBs | Total Metals | Dissolved Metals (filtered) | Cyanide | VOCs | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/6/07 | 1040 | | X | SK-GW58-1023 | various | 10 | X | X | X | X | X | X | X | | 10 / 14 DSS |
| W | 9/6/07 | 1040 | | X | SK-FD-1023 (GW-58) | HCL $Na_2S_2O_3$ | 3 | | | | | | | X | Sample silty | 11 |
| W | 9/6/07 | 1115 | | X | SK-GW62A-1023 | ↓ | 3 | | | | | | | X | | 12 |
| W | 9/6/07 | — | | | SK-TB-1023 | ↓ | 3 | | | | | | | X | | 13 |
| | | | | | | | | | | | | | | | Refer to Table 7 of O/M LTTP for complete list of analytes. | |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| Michael J. Papp | FedEx | 9/6/07 | 1600 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| FedEx | MK | 9-7-07 | 935 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| | | | |

Note: Trip blank provided by Lab.

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

WHITE: CLIENT FINAL REPORT CANARY: LABORATORY PINK: CLIENT

GCAL-06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

Lab use only

| Client Name | Client # | Workorder # | Due Date |
|---|---|---|---|
| Earth Tech | 4392 | 207090701 | 9-21-07 |

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

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill / 3rd Q 2007
Sampled By: Michael J. Papp

Analytical Requests & Method

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | Pesticides | PCBs | Total Metals | Dissolved Metals (Filtered) | Cyanide | ~~VOC~~ MTBE 9/6/07 | | | | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/6/07 | 1040 | | X | SK-FD-1023(GW-58) | various | 7 | X | X | X | X | X | X | | | | | Samples silty. | 11 15 |
| | | | | | | | | | | | | | | | | | | Refer to Table 7 of O/M LTTP for complete list of analytes | |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date | Time |
|---|---|---|---|
| Michael J. Papp | Fed Ex | 9/6/07 | 1600 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| Fedex | MC | 9-7-07 | 935 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| | | | |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix: W = water, S = soil, SD = solid, L = liquid, SL = sludge, A = air, CT = charcoal tube, A = air bag. We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT CANARY: LABORATORY PINK: CLIENT

GCAL-06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

| Lab use only | | | |
|---|---|---|---|
| Earth Tech | 4342 | 20709074 | 9-24-07 |
| Client Name | Client # | Workorder # | Due Date |

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

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill 3rd Q 2007
Sampled By: Michael J. Page

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | Pesticides | PCBs | Total Metals | Dissolved Metals (filtered) | ~~[illegible]~~ | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/6/07 | 1115 | | X | SK-GW62A-1023 | various | 6 | X | X | X | X | X | X | Insufficient volume for Cyanide. | 12 |

Refer to Table 7 of O/M LTTP for complete list of analytes.

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| Michael J. Page | FedEx | 9/6/07 | 1600 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| [illegible] | [illegible] | 9-7-07 | 935 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| | | | |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

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

GCAL-06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

| Lab use only | | | |
|---|---|---|---|
| Earth Tech | 4542 | 207090701 | 9.27.07 |
| Client Name | Client # | Workorder # | Due Date |

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

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill 3rd Qt 2007
Sampled By: Alex Maginnis / Mike Papp

Analytical Requests & Method

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOCs | Pesticides | PCBs | total Metals | dissolved metals | Cyanide | VOCs | Remarks: | Lab ID | /Disc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/7 | 1145 | | X | SK-GW63-1023 | Various | 10 | X | X | X | X | X | X | X | Refer to | 17 | 23 |
| W | 9/7/07 | 1135 | | X | SK-GW64-1023 | HCl | 3 | | | | | | | X | Table 6&7 | 18 | |
| W | | 1135 | | X | SK-MS-1023(GW-64) | HCl | 3 | | | | | | | X | | 19 | |
| W | | 1135 | | X | SK-MSD-1023(GW-64) | HCl | 3 | | | | | | | X | off O&M | 20, 21 | |
| W | 9/7/07 | - | - | - | SK-TB-1023 | HCl | 3 | | | | | | | X | LTTP | 22 | |

for complete list of analytes

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 2

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| [signature] | Fed Ex | 9/7/07 | 1700 |
| Fedex | [signature] | 9/8/07 | 1000 |
| | | | |

Note: no GW-65 Sample
TB Provided by lab

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

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

GCAL-06 11/98

# GCAL

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Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

| Lab use only | | | |
|---|---|---|---|
| Earth Tech | 4342 | 20709070 | 121-4 |
| Client Name | Client # | Workorder # | Due Date |

**Report to:**
Client: Earth Tech
Address: 2323 Progress Dr
Hebron KY 41048
Contact: Ron Roelke
Phone: 859-442-2300
Fax: 859-442-2311

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill - 3rd Qt 2007
Sampled By: Mike Papp

**Lab use only:**
Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 2

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOCs | Pesticides | PCBs | tot. metals | diss. metals | Cyanide | VOCs | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/7/07 | 1135 | | X | SK-GW64-1023 | Various | 7 | X | X | X | X | X | X | | | 1855 |
| | | | | | | | | | | | | | | | | 18 24 |
| | | | | | | | | | | | | | | | Refer to table 6 & 7 of LTP (GAM) for complete list of analytes | |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| [signature] | Fed Ex | 9/7/07 | 1700 |
| Fedex | [signature] | 9/8/07 | 1000 |
| | | | |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, O = oil, CT = charcoal tube, A = air bag

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

GCAL-06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

Lab use only

| Client Name | Client # | Workorder # | Due Date |
|---|---|---|---|
| Earth Tech | 4342 | 207090761 | 9-21-07 |

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

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill-3rd QT 2007
Sampled By: Mike Papp

Analytical Requests & Method

Lab use only:
Custody Seal used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 2

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOCs | Pesticides | PCBs | total Metals | diss. metals | Cyanide | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/5/07 | 1135 | | X | SK-MS-1023 (GW64) | Various | 7 | X | X | X | X | X | X | Refer to Table 6-1 of O&M LTTP for complete list of analytes | 19 25 |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| | Fed Ex | 9/7/07 | 1700 |
| Relinquished by: (Signature) Fedex | Received by: (Signature) | 9/8/07 | 1000 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

WHITE-CLIENT FINAL REPORT CANARY-LABORATORY PINK-CLIENT

GCAL-06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

Lab use only

| Client Name | Client # | Workorder # | Due Date |
|---|---|---|---|
| Earth Tech | 4342 | 20709047 | 24h |

**Report to:**
Client: Earth Tech
Address: 2373 Progress Dr. Hebron Ky 41048
Contact: Ron Roeffer
Phone: 859-442-2300
Fax: 859-442-2311

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill 3rd Qt-07
Sampled By: Mike Papp

Lab use only:
Custody Seal used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 2

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOCs | Pesticides | PCBs | Tot. metals | Diss. metals | Cyanide | | | | 0.55 | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/7/07 | 1135 | | X | SK-MSD-022 (GW64) | Various | 7 | X | X | X | X | X | X | | | | 26 | Refer to Table 6-7 of O&M LTTP for complete list of analytes | 20, 21 |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| [signature] | Fed Ex | 9/7/07 | 1200 |
| Relinquished by: (Signature) Fedex | Received by: (Signature) [signature] | Date: 9/8/07 | Time: 1000 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix1: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

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

WHITE: CLIENT FINAL REPORT CANARY: LABORATORY PINK: CLIENT

GCAL-06 11/98

# DATA VALIDATION REPORT

# FOR

# SKINNER LANDFILL SITE

**EARTH TECH: PROJECT NUMBER 54280**

**LABORATORY REPORT NUMBER 207092917**

**PROJECT MANAGER: Ron Rolker**

**Date: January 18, 2008**

**Data Validators: Janelle Murphy and Mark Kromis**

# LIST OF ACRONYMS

| | |
|---|---|
| BFB | Bromofluorobenzene |
| CC | Continuing Calibration |
| CCV | Continuing Calibration Verification |
| CCB | Continuing Calibration Blanks |
| CLP | Contract Laboratory Program |
| CRDL | Contract Required Detection Limit |
| DFTPP | Decafluorotriphenylphosphine |
| GC/MS | Gas Chromatograph/Mass Spectrometer |
| IC | Initial Calibration |
| ICB | Initial Calibration Blank |
| IDL | Instrument Detection Limit |
| ICP | Inductively Coupled Plasma |
| ICS | Interference Check Sample |
| ICV | Initial Calibration Verification |
| ILM | Inorganic Analysis Multi-Media Multi-Concentration |
| INDAM | Individual A Mixture |
| INDBM | Individual B Mixture |
| mg/L | milligrams per liter |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| OLC | Organic Analysis Low Concentration |
| OLM | Organic Analysis Multi-Media Multi-Concentration |
| %D | Percent Difference |
| % RSD | Percent Relative Standard Deviation |
| PB | Preparation Blanks |
| PEM | Performance Evaluation Mix |
| QC | Quality Control |
| RF | Response Factor |
| RPD | Relative Percent Difference |
| RRF | Relative Response Factor |
| SDG | Sample Delivery Group |
| SOW | Statement of Work |
| µg/L | micrograms per liter |
| US EPA | United States Environmental Protection Agency |
| VOC | Volatile Organic Compounds |
| VTSR | Validated Time of Sample Receipt |

## DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 207092917 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2007, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 207092917.

| GCAL # | Sample Description |
|---|---|
| 20709291701 | SK-SW50-1023 |
| 20709291702 | SK-FD-1023 (SW-50) |
| 20709291703 | SK-SW51-1023 |
| 20709291704 | SK-MS-1023 (SW-51) |
| 20709291706 | SK-DUP-1023 (SW-51) |
| 20709291707 | SK-SW52-1023 |
| 20709291710 | SK-SW50-1023 (DISS) |
| 20709291711 | SK-FD-1023 (SW-50) DISS |
| 20709291712 | SK-SW51-1023 (DISS) |
| 20709291713 | SK-MS-1023 (SW-51) DISS |
| 20709291714 | SK-DUP-1023 (SW-51) DIS |
| 20709291715 | SK-SW52-1023 (DISS) |

## INTRODUCTION

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

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

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user.

Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

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

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

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

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

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

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

## 1. HOLDING TIMES

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

## 2. CALIBRATION

### A. Initial Calibration

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

### B. Continuing Calibration

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

## 3. BLANKS

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

## 4. ICP INTERFERENCE CHECK SAMPLE

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

## 5. LABORATORY CONTROL SAMPLES

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

## 6. DUPLICATE ANALYSIS

The laboratory used sample SK-SW51-1023 (total and dissolved fractions) for the duplicate samples. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

## 7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SK-SW51-1023 (total and dissolved fractions) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) for all analytes with the exception of Selenium (69%) associated with the total fraction.

As per the National Functional Guidelines, if the percent recovery is greater than 30% but less than the lower acceptance limit then qualify detected results for that analyte with "J" and non-detected results are qualified with "UJ".

## 8. ICP SERIAL DILUTION

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

## 9. SYSTEM PERFORMANCE

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

## 10. DOCUMENTATION

All documentation submitted for review appeared accurate and in order.

## 11. OVERALL ASSESSMENT

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 10/10/07 were 127% and 123%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 10/10/07 were 107% and 142%.

As per the National Functional Guidelines, if the CRDL percent recovery is above 120% then detected results are qualified as estimated with "J".

The results are acceptable with the validator-added qualifiers.

## DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 207092917 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2007, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 207092917.

| GCAL # | Sample Description |
|---|---|
| 20709291701 | SK-SW50-1023 |
| 20709291702 | SK-FD-1023 (SW-50) |
| 20709291703 | SK-SW51-1023 |
| 20709291704 | SK-MS-1023 (SW-51) |
| 20709291705 | SK-MSD-1023 (SW-51) |
| 20709291707 | SK-SW52-1023 |

## INTRODUCTION

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

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

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

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

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

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

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

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

## 1. HOLDING TIMES

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

## 2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. 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 9/17/07 was analyzed on instrument MSSV3 in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent Relative Standard Deviation (%RSD) values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRFs and the average RRF for the IC's were within the acceptance criteria specified in the method for all target compounds. The %RSDs were within the acceptance criteria specified in the method for all target compounds.

### B. Continuing Calibration

Three CCs dated 9/17/07, 10/4/07, and 10/8/07 were analyzed in support of the semivolatile sample analyses reported in the data submissions. The CC RRFs for the CC dated 9/17/07, 10/4/07, and 10/8/07 were within the acceptance criteria specified in the method for all target compounds. The percent difference (%D) between the average RRFs and the CC Response Factors for the CC were within the acceptance criteria (<25%) for the CC dated 9/17/07. The percent difference (%D) between the average RRFs and the CC Response Factors for the CC were within the acceptance criteria (<25%) for the CC dated 10/4/07 with the exception of Dibenzo(a,h)anthracene (27.4%). The percent difference (%D) between the average RRFs and the CC Response Factors for the CC were within the acceptance criteria (<25%) for the CC dated 10/8/07 with the exception of bis(-2-Chloroethyl)ether (-25%) and 2-Methylnaphthalene (-33.6%). As per the National Functional Guidelines, if the %D is outside the ± 25% criterion then qualify detected results for that compound with "J" and non-detected results for that compound with "UJ".

## 4. BLANKS

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

<u>Method Blank (MB531640)</u>

Diethylphthalate (0.439 ppb) and Bis(2-ethylhexyl)phthalate (2.26 ppb) were detected in the method blank extracted on 10/2/07.

<u>Method Blank (MB532720)</u>

Di-n-butylphthalate (0.731 ppb) and Diethylphthalate (0.143 ppb) were detected in the method blank extracted on 10/4/07.

## 5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits with the exception of 2-Fluorophenol associated with sample SK-SW52-1023. As per the National Functional Guidelines, no action is necessary if only one surrogate recovery is outside the acceptance limits.

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

Sample SK-SW51-1023 was submitted for MS/MSD analysis. The MS/MSD percent recoveries are within the acceptance criteria with the exception of 4-Nitrophenol associated with the MS and 4-Nitrophenol and Pentachlorophenol associated with the MSD. All of the percent RPDs between the MS and MSD were within the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD results alone.

## 7. INTERNAL STANDARDS PERFORMANCE

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

## 8. COMPOUND IDENTIFICATION

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

## 9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents.

## 10. SYSTEM PERFORMANCE

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

## 11. DOCUMENTATION

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

## 12. OVERALL ASSESSMENT

Bis(2-ethylhexyl)phthalate was detected in sample SK-SW51-1023 at a concentration of 1.12 ppb. Although Bis(2-ethylhexyl)phthalate was not detected in the associated method blank (MB532720) it was detected in method blank MB531640 associated with SDG 207092917.

The data validator suggest that if Bis(2-ethylhexyl)phthalate has been historically detected in sample SK-SW51 then the result of 1.12 ppb should be used for regulatory reporting. If Bis(2-ethylhexyl)phthalate has not been historically detected in sample SK-SW51 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 207092917 VOLATILE ORGANIC

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2007, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 207092917.

| GCAL # | Sample Description |
|---|---|
| 20709291701 | SK-SW50-1023 |
| 20709291702 | SK-FD-1023 (SW-50) |
| 20709291703 | SK-SW51-1023 |
| 20709291704 | SK-MS-1023 (SW-51) |
| 20709291705 | SK-MSD-1023 (SW-51) |
| 20709291707 | SK-SW52-1023 |
| 20709291708 | SK-TB-1023 |

## INTRODUCTION

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

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

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

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

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

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

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

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

## 1. HOLDING TIMES

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

## 2. GC/MS TUNING

The samples were analyzed one GC/MS system identified as MSV7. Two bromofluorobenzene (BFB) tunes were run on MSV7. The BFB tunes are acceptable.

## 3. CALIBRATION

### A. Initial Calibration

One IC dated 10/8/07 was analyzed on instrument MSV7 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRFs as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRFs and the average RRF for the IC dated 10/8/07 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. The %RSDs were within the acceptance criteria specified in the method for all target compounds. As per the National Functional Guidelines, if any IC RRF is less than 0.05 then qualify detected results for that compound with "J" and non-detected results for that compound with "R".

### B. Continuing Calibration

Two CC's dated 10/8/07 and 10/9/07 were analyzed on instrument MSV7 in support of the volatile sample analyses reported in the data submissions. The RRFs for the CC's dated 10/8/07 and 10/9/07 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. The percent difference (%D) between the average RRFs and the CC RFs for the CC dated 10/8/07 were within the acceptance criteria for all target compounds. The percent difference (%D) between the average RRFs and the CC RFs for the CC dated 10/9/07 were within the acceptance criteria for all target compounds with the exception of Bromomethane. Acetone was previously qualified under the section titled "Initial Calibration" therefore further data qualification was not warranted. As per the National Functional Guidelines, if the %D is outside the $\pm$ 25% criterion then qualify detected results for that compound with "J" and non-detected results for that compound with "UJ".

## 4. BLANKS

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

<u>MB533547</u>

There were no target analytes detected in method blank MB533547 analyzed on 10/8/07 (1437).

MB533863

There were no target analytes detected in method blank MB533863 analyzed on 10/9/07 (0856).

Storage Blank (VHBLK)

There were no target analytes detected in the in the Storage Blank analyzed on 10/9/07.

Trip Blank (SK-TB-1023)

Methylene chloride (0.92 ppb) was detected in the Trip Blank associated with the samples received on 9/29/07.

## 5. SYSTEM MONITORING COMPOUND RECOVERY

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

## 6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SW51-1023 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria except 1,1,2,2-Tetrachloroethene associated with the MS and the MSD. All of the percent RPDs between the MS and MSD were within the acceptance criteria. As per the National Functional Guidelines, no action is taken on MS/MSD results alone.

## 7. LABORATORY CONTROL SAMPLE

One Laboratory Control Sample was analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

## 8. INTERNAL STANDARDS PERFORMANCE

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

## 9. COMPOUND IDENTIFICATION

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

## 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

## 11. SYSTEM PERFORMANCE

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

## 12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

## 13. OVERALL ASSESSMENT

Methylene chloride was detected in samples SK-SW50-1023 and SK-SWFD50-1023 (field duplicate) at a concentration of 52 and 61 ppb respectively. Methylene chloride, a common laboratory was not detected in the associated method blank but was detected in the associated Trip Blank at a concentration of 0.92 ppb. If Methylene chloride has not been previously detected in SK-SW50 it may be an artifact of laboratory contamination. The results are acceptable with the validator-added qualifiers.

## DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 207092917 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in September 2007, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 207092917.

| GCAL # | Sample Description |
|---|---|
| 20709291701 | SK-SW50-1023 |
| 20709291702 | SK-FD-1023 (SW-50) |
| 20709291703 | SK-SW51-1023 |
| 20709291704 | SK-MS-1023 (SW-51) |
| 20709291710 | SK-MSD-1023 (SW-51) |
| 20709291739 | SK-SW52-1023 |

## INTRODUCTION

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

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

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

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

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

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

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

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

## 1. HOLDING TIMES

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

## 2. GC/ECD INSTRUMENT PERFORMANCE CHECK

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

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

## 3. INITIAL CALIBRATION

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

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20%. The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks.

## 4. CALIBRATION VERIFICATION

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

## 5. BLANKS

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

Method Blank 531641

No constituents were reported by GCAL for the method blank extracted on 10/03/07.

## 6. SURROGATE SPIKES

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

## 7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SK-SW51-1023 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 the gamma-BHC (Lindane) associated with 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 data alone.

## 8. PESTICIDE CLEANUP CHECKS

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

## 9. TARGET COMPOUND IDENTIFICATION

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

## 10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported.

## 11. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

## 12. OVERALL ASSESSMENT

The results are acceptable as qualified by the data validator.

## REFERENCES

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

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

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

# ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 10/16/2007

GCAL Report 207092917

**RESUBMITTED**

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

Customer Earth Tech

Project Skinner Landfill

# Laboratory Endorsement

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

**Common Abbreviations Utilized in this Report**

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

**Reporting Flags Utilized in this Report**

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

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

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

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

Curtis Ekker

CURTIS EKKER
DATA VALIDATION MANAGER
**GCAL REPORT** 207092917

THIS REPORT CONTAINS 533 PAGES.

In the ILM04.1 - CLP Metals analysis, Potassium and Sodium are flagged as estimated for samples associated with prep batch 358477 due to the fact that the percent difference between the original sample result and the serial dilution result is greater than 10. A chemical or physical interference is suspected.

RESUBMITTED 3A

CASE NARRATIVE

**Client:** Earth Tech **Report:** 207092917

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

Selected pages are re being resubmitted on 1/22/08 to modify the base peak % relative abundance on the form 5 for the OLC02.1 - CLP Volatiles analysis.

## VOLATILES MASS SPECTROMETRY

In the OLC02.1 - CLP Volatiles analysis, samples 20709291701 (SK-SW50-1023) and 20709291702 (SK-FD-1023 (SW-50)) had to be diluted due to compounds that were detected above the linear range of the calibration. Multiple dilutions are reported for these samples.

In the OLC02.1 - CLP Volatiles analysis the MS/MSD was above method acceptance criteria for 1,1,2,2-Tetrachloroethane. The RPD is within control limits.

## SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 - CLP Semi-Volatiles analysis, sample 20709291707 (SK-SW52-1023) had one surrogate outside of control limits in the acid fraction.

In the OLM04.2 - CLP Semi-Volatiles analysis for prep batch 358824, the MS/MSD exhibited sporadic recovery failures. All LCS/LCSD recoveries and RPDs were acceptable.

## SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2-CLP analysis for prep batch 358622, the MS and MSD exhibited recovery failures for gamma-BHC(Lindane).

## METALS

In the ILM04.1 - CLP Metals analysis for prep batch 358476, the MS and/or MSD recovery was outside the control limits for Selenium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with a recovery of 91%. The Sample/Duplicate RPD for Aluminum, Iron, Lead, Thallium, Vanadium and Zinc is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

RESUBMITTED

# Report Sample Summary

| GCAL ID | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|---|---|---|---|---|
| 20709291701 | SK-SW50-1023 | Water | 09/28/2007 13:00 | 09/29/2007 09:00 |
| 20709291702 | SK-FD-1023 (SW-50) | Water | 09/28/2007 13:00 | 09/29/2007 09:00 |
| 20709291703 | SK-SW51-1023 | Water | 09/28/2007 10:30 | 09/29/2007 09:00 |
| 20709291704 | SK-MS-1023 (SW-51) | Water | 09/28/2007 10:30 | 09/29/2007 09:00 |
| 20709291705 | SK-MSD-1023 (SW-51) | Water | 09/28/2007 10:30 | 09/29/2007 09:00 |
| 20709291706 | SK-DUP-1023 (SW-51) | Water | 09/28/2007 10:30 | 09/29/2007 09:00 |
| 20709291707 | SK-SW52-1023 | Water | 09/28/2007 12:10 | 09/29/2007 09:00 |
| 20709291708 | SK-TB-1023 | Water | 09/28/2007 00:00 | 09/29/2007 09:00 |
| 20709291709 | VHBLK | Water | | 09/29/2007 09:00 |
| 20709291710 | SK-SW50-1023 (DISS) | Water | 09/28/2007 13:00 | 09/29/2007 09:00 |
| 20709291711 | SK-FD-1023 (SW-50) DISS | Water | 09/28/2007 13:00 | 09/29/2007 09:00 |
| 20709291712 | SK-SW51-1023 (DISS) | Water | 09/28/2007 10:30 | 09/29/2007 09:00 |
| 20709291713 | SK-MS-1023 (SW-51) DISS | Water | 09/28/2007 10:30 | 09/29/2007 09:00 |
| 20709291714 | SK-DUP-1023 (SW-51) DISS | Water | 09/28/2007 10:30 | 09/29/2007 09:00 |
| 20709291715 | SK-SW52-1023 (DISS) | Water | 09/28/2007 12:10 | 09/29/2007 09:00 |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW50-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291701

Level: (low/med) Lab File ID: 2071008q/c5994

% Moisture: not dec. Date Collected: 09/28/07 Time: 1300

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/08/07 Time: 1758

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 358987

Analytical Method: OLCO 2.1

*CONCENTRATION UNITS: ug/L*

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

FORM I VOA

JLN 01/29/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW50-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

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

Lab Sample ID: 20709291701

Level: (low/med)

Lab File ID: 2071008q/c5994

% Moisture: not dec.

Date Collected: 09/28/07 Time: 1300

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

Date Received: 09/29/07

Instrument ID: MSV7

Date Analyzed: 10/08/07 Time: 1758

Soil Extract Volume: ( µL )

Dilution Factor: 1 Analyst: DLB

Soil Aliquot Volume: ( µL )

Prep Batch: Analytical Batch: 358987

CONCENTRATION UNITS: ug/L

Analytical Method: OLCO 2.1

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 100-42-5 | Styrene | 1.0 | U | 0.010 | 1.0 |
| 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-SW50-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: Water Lab Sample ID: 20709291701

Sample wt/vol: Units: Lab File ID: 2071008q/c5994

Level: (low/med) Date Collected: 09/28/07 Time: 1300

% Moisture: not dec. Date Received: 09/29/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 10/08/07 Time: 1758

Instrument ID: MSV7 Dilution Factor: 1 Analyst: DLB

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 | 2.863 | 2.2 | |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW50-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291701

Level: (low/med) Lab File ID: 2071009/c6013

% Moisture: not dec. Date Collected: 09/28/07 Time: 1300

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/09/07 Time: 0930

Soil Extract Volume: ( µL ) Dilution Factor: 5 Analyst: DLB

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 359055

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene chloride | 52 | | 0.050 | 10 |

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1023 (SW-50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291702

Level: (low/med) Lab File ID: 2071008q/c5996

% Moisture: not dec. Date Collected: 09/28/07 Time: 1300

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/08/07 Time: 1846

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 358987

*CONCENTRATION UNITS: ug/L* Analytical Method: OLCO 2.1

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

FORM I VOA

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01/29/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1023 (SW-50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291702

Level: (low/med) Lab File ID: 2071008q/c5996

% Moisture: not dec. Date Collected: 09/28/07 Time: 1300

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/08/07 Time: 1846

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 358987

Analytical Method: OLCO 2.1

*CONCENTRATION UNITS: ug/L*

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 100-42-5 | Styrene | 1.0 | U | 0.010 | 1.0 |
| 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-1023 (SW-50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: Water Lab Sample ID: 20709291702

Sample wt/vol: Units: Lab File ID: 2071008q/c5996

Level: (low/med) Date Collected: 09/28/07 Time: 1300

% Moisture: not dec. Date Received: 09/29/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 10/08/07 Time: 1846

Instrument ID: MSV7 Dilution Factor: 1 Analyst: DLB

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 | 2.858 | 960 | |

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-FD-1023 (SW-50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291702

Level: (low/med) Lab File ID: 2071009/c6014

% Moisture: not dec. Date Collected: 09/28/07 Time: 1300

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/09/07 Time: 0952

Soil Extract Volume: ( µL ) Dilution Factor: 5 Analyst: DLB

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 359055

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene chloride | 61 | | 0.050 | 10 |

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291703

Level: (low/med) Lab File ID: 2071008q/c5987

% Moisture: not dec. Date Collected: 09/28/07 Time: 1030

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/08/07 Time: 1459

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 358987

*CONCENTRATION UNITS: ug/L* Analytical Method: OLCO 2.1

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

FORM I VOA

JLM 01/29/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW51-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291703

Level: (low/med) Lab File ID: 2071008q/c5987

% Moisture: not dec. Date Collected: 09/28/07 Time: 1030

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/08/07 Time: 1459

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 358987

*CONCENTRATION UNITS: ug/L* Analytical Method: OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-SW51-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: Water Lab Sample ID: 20709291703

Sample wt/vol: Units: Lab File ID: 2071008q/c5987

Level: (low/med) Date Collected: 09/28/07 Time: 1030

% Moisture: not dec. Date Received: 09/29/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 10/08/07 Time: 1459

Instrument ID: MSV7 Dilution Factor: 1 Analyst: DLB

Soil Extract Volume: ( µL )

Soil Aliquot Volume: ( µL )

*Number TICs Found:* *1*

*CONCENTRATION UNITS:* *ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 67-63-0 | Isopropyl Alcohol | 3.53 | 251 | |

FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291707

Level: (low/med) Lab File ID: 2071008q/c5995

% Moisture: not dec. Date Collected: 09/28/07 Time: 1210

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/08/07 Time: 1821

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 358987

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

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

FORM I VOA

JCM 01/29/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-SW52-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291707

Level: (low/med) Lab File ID: 2071008q/c5995

% Moisture: not dec. Date Collected: 09/28/07 Time: 1210

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/08/07 Time: 1821

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 358987

*CONCENTRATION UNITS: ug/L* Analytical Method: OLCO 2.1

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

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SK-SW52-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: Water Lab Sample ID: 20709291707

Sample wt/vol: Units: Lab File ID: 2071008q/c5995

Level: (low/med) Date Collected: 09/28/07 Time: 1210

% Moisture: not dec. Date Received: 09/29/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 10/08/07 Time: 1821

Instrument ID: MSV7 Dilution Factor: 1 Analyst: DLB

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-TB-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291708

Level: (low/med) Lab File ID: 2071008q/c5988

% Moisture: not dec. Date Collected: 09/28/07 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/08/07 Time: 1522

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 358987

*CONCENTRATION UNITS: ug/L* Analytical Method: OLCO 2.1

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

FORM I VOA

JLM 01/29/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SK-TB-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20709291708

Level: (low/med) Lab File ID: 2071008q/c5988

% Moisture: not dec. Date Collected: 09/28/07 Time: 0000

GC Column: DB-624-30M ID: .53 (mm) Date Received: 09/29/07

Instrument ID: MSV7 Date Analyzed: 10/08/07 Time: 1522

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

Soil Aliquot Volume: ( µL ) Prep Batch: Analytical Batch: 358987

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene chloride | 0.92 | J | 0.010 | 2.0 |
| 100-42-5 | Styrene | 1.0 | U | 0.010 | 1.0 |
| 127-18-4 | Tetrachloroethene | 1.0 | U | 0.010 | 1.0 |
| 108-88-3 | Toluene | 1.0 | U | 0.010 | 1.0 |
| 79-01-6 | Trichloroethene | 1.0 | U | 0.010 | 1.0 |
| 75-01-4 | Vinyl chloride | 1.0 | U | 0.010 | 1.0 |
| 1330-20-7 | Xylene (total) | 1.0 | U | 0.010 | 1.0 |

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SK-TB-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: Water Lab Sample ID: 20709291708

Sample wt/vol: Units: Lab File ID: 2071008q/c5988

Level: (low/med) Date Collected: 09/28/07 Time: 0000

% Moisture: not dec. Date Received: 09/29/07

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 10/08/07 Time: 1522

Instrument ID: MSV7 Dilution Factor: 1 Analyst: DLB

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 | 2.855 | 67.3 | |

FORM I VOA-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-SW50-1023

Contract:

Lab File ID: 2071004/b4636

Lab Sample ID: 20709291701

Date Collected: 09/28/07 Time: 1300

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1047

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

*CONCENTRATION UNITS: ug/L*

Prep Batch: 358621 Analytical Batch: 358785

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-SW50-1023

Contract:

Lab File ID: 2071004/b4636

Lab Sample ID: 20709291701

Date Collected: 09/28/07 Time: 1300

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1047

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 358621 Analytical Batch: 358785

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | ~~37~~ 10.1 | JB | 0.010 | 10.1 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 | |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 | |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 | |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 | UJ |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 | |
| 84-66-2 | Diethylphthalate | ~~0.545~~ 10.1 | JB | 0.010 | 10.1 | U |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 | |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 | |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 | |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 | |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 | |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 | |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 | |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 | |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 | |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 | |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 | |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 | |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 | |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 | |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 | |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 | |

FORM I SV-1

JCM
01/21/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-SW50-1023

Contract:

Lab File ID: 2071004/b4636

Lab Sample ID: 20709291701

Date Collected: 09/28/07 Time: 1300

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1047

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 358621 Analytical Batch: 358785

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

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.: 207092917

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-SW50-1023

Contract:

Lab File ID: 2071004/b4636

Lab Sample ID: 20709291701

Date Collected: 09/28/07 Time: 1300

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1047

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

*Number TICs Found :* 2

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 398-23-2 | 1,1'-Biphenyl, 4,4'-difluoro- | 2.819 | 1.03 | |
| 2. | 638-53-9 | Tridecanoic acid | 5.044 | 4.72 | |

FORM I SV-TIC

JCW 01/29/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-1023 (SW-50)

Contract:

Lab File ID: 2071004/b4637

Lab Sample ID: 20709291702

Date Collected: 09/28/07 Time: 1300

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1102

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 358621 Analytical Batch: 358785

*CONCENTRATION UNITS: ug/L*

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-1023 (SW-50)

Contract:

Lab File ID: 2071004/b4637

Lab Sample ID: 20709291702

Date Collected: 09/28/07 Time: 1300

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1102

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 358621 Analytical Batch: 358785

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | 15.8 | B | 0.010 | 10.1 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 | |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 | |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 | |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 | UJ |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 | |
| 84-66-2 | Diethylphthalate | ~~0.430~~ 10.1 | JB | 0.010 | 10.1 | U |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 | |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 | |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 | |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 | |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 | |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 | |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 | |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 | |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 | |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 | |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 | |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 | |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 | |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 | |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 | |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 | |

FORM I SV-1

JCM 01/21/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-1023 (SW-50)

Contract:

Lab File ID: 2071004/b4637

Lab Sample ID: 20709291702

Date Collected: 09/28/07 Time: 1300

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1102

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 358621 Analytical Batch: 358785

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

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.: 207092917

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-1023 (SW-50)

Contract:

Lab File ID: 2071004/b4637

Lab Sample ID: 20709291702

Date Collected: 09/28/07 Time: 1300

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1102

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

*Number TICs Found :* 2

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 0-00-0 | 3,3',5,5'-Tetramethyl-2,2'-bif | 2.819 | .985 | |
| 2. | | Unknown | 5.044 | 2.98 | |

FORM I SV-TIC

Jun 01/29/0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 207092917
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-SW51-1023
Contract:
Lab File ID: 2071008p/b4658
Lab Sample ID: 20709291703
Date Collected: 09/28/07 Time: 1030
Date Received: 09/29/07
Date Extracted: 10/04/07
Date Analyzed: 10/08/07 Time: 1421
Dilution Factor: 1 Analyst: JAR3
Prep Method: OLM4.2 SVOA
Analytical Method: OLMO 4.2
Instrument ID: MSSV3
Prep Batch: 358824 Analytical Batch: 359028

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 | |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 | |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 | |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 | |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 | |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 | |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 | |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 | |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 | UJ |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 | |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 | |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 | |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 | |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 | |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 | |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 | |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 | |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 | |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 | |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 | |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 | |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 | |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 | UJ |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 | |

FORM I SV-1

JLM 01/29/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-SW51-1023

Contract:

Lab File ID: 2071008p/b4658

Lab Sample ID: 20709291703

Date Collected: 09/28/07 Time: 1030

Date Received: 09/29/07

Date Extracted: 10/04/07

Date Analyzed: 10/08/07 Time: 1421

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 358824 Analytical Batch: 359028

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | ~~1.42~~ 1.12 | J | 0.010 | 10.1 |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 |
| 84-66-2 | Diethylphthalate | 10.1 | U | 0.010 | 10.1 |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

JCM 01/21/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-SW51-1023

Contract:

Lab File ID: 2071008p/b4658

Lab Sample ID: 20709291703

Date Collected: 09/28/07 Time: 1030

Date Received: 09/29/07

Date Extracted: 10/04/07

Date Analyzed: 10/08/07 Time: 1421

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 358824 Analytical Batch: 359028

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

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.: 207092917

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-SW51-1023

Contract:

Lab File ID: 2071008p/b4658

Lab Sample ID: 20709291703

Date Collected: 09/28/07 Time: 1030

Date Received: 09/29/07

Date Extracted: 10/04/07

Date Analyzed: 10/08/07 Time: 1421

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

*Number TICs Found : 3*

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 0-00-0 | 3,3',5,5'-Tetramethyl-2,2'-bif | 2.745 | 1.01 | |
| 2. | | Unknown | 4.493 | 1.65 | |
| 3. | | Unknown | 4.97 | 3.55 | |

FORM I SV-TIC

gem 01/29/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-SW52-1023

Contract:

Lab File ID: 2071004/b4641

Lab Sample ID: 20709291707

Date Collected: 09/28/07 Time: 1210

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1203

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 358621 Analytical Batch: 358785

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | 10.1 | U | 0.010 | 10.1 |
| 51-28-5 | 2,4-Dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 121-14-2 | 2,4-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | 10.1 | U | 0.010 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | 10.1 | U | 0.010 | 10.1 |
| 95-57-8 | 2-Chlorophenol | 10.1 | U | 0.010 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | 10.1 | U | 0.010 | 10.1 |
| 88-74-4 | 2-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 88-75-5 | 2-Nitrophenol | 10.1 | U | 0.010 | 10.1 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.1 | U | 0.010 | 10.1 |
| 99-09-2 | 3-Nitroaniline | 25.3 | U | 0.010 | 25.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 25.3 | U | 0.010 | 25.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.1 | U | 0.010 | 10.1 |
| 106-47-8 | 4-Chloroaniline | 10.1 | U | 0.010 | 10.1 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.1 | U | 0.010 | 10.1 |
| 106-44-5 | 4-Methylphenol (p-Cresol) | 10.1 | U | 0.010 | 10.1 |
| 83-32-9 | Acenaphthene | 10.1 | U | 0.010 | 10.1 |
| 208-96-8 | Acenaphthylene | 10.1 | U | 0.010 | 10.1 |
| 120-12-7 | Anthracene | 10.1 | U | 0.010 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | 10.1 | U | 0.010 | 10.1 |
| 50-32-8 | Benzo(a)pyrene | 10.1 | U | 0.010 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 191-24-2 | Benzo(g,h,i)perylene | 10.1 | U | 0.010 | 10.1 |
| 207-08-9 | Benzo(k)fluoranthene | 10.1 | U | 0.010 | 10.1 |
| 111-91-1 | Bis(2-Chloroethoxy)methane | 10.1 | U | 0.010 | 10.1 |
| 111-44-4 | Bis(2-Chloroethyl)ether | 10.1 | U | 0.010 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.1 | U | 0.010 | 10.1 |

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-SW52-1023

Contract:

Lab File ID: 2071004/b4641

Lab Sample ID: 20709291707

Date Collected: 09/28/07 Time: 1210

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1203

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 358621 Analytical Batch: 358785

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL | |
|---|---|---|---|---|---|---|
| 117-81-7 | bis(2-ethylhexyl)phthalate | ~~1.80~~ 10.1 | JB | 0.010 | 10.1 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10.1 | U | 0.010 | 10.1 | |
| 85-68-7 | Butylbenzylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 86-74-8 | Carbazole | 10.1 | U | 0.010 | 10.1 | |
| 218-01-9 | Chrysene | 10.1 | U | 0.010 | 10.1 | |
| 84-74-2 | Di-n-butylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 117-84-0 | Di-n-octylphthalate | 10.1 | U | 0.010 | 10.1 | |
| 53-70-3 | Dibenz(a,h)anthracene | 10.1 | U | 0.010 | 10.1 | UJ |
| 132-64-9 | Dibenzofuran | 10.1 | U | 0.010 | 10.1 | |
| 84-66-2 | Diethylphthalate | ~~0.304~~ 10.1 | JB | 0.010 | 10.1 | U |
| 131-11-3 | Dimethyl-phthalate | 10.1 | U | 0.010 | 10.1 | |
| 105-67-9 | 2,4-Dimethylphenol | 10.1 | U | 0.010 | 10.1 | |
| 206-44-0 | Fluoranthene | 10.1 | U | 0.010 | 10.1 | |
| 86-73-7 | Fluorene | 10.1 | U | 0.010 | 10.1 | |
| 118-74-1 | Hexachlorobenzene | 10.1 | U | 0.010 | 10.1 | |
| 87-68-3 | Hexachlorobutadiene | 10.1 | U | 0.010 | 10.1 | |
| 77-47-4 | Hexachlorocyclopentadiene | 10.1 | U | 0.010 | 10.1 | |
| 67-72-1 | Hexachloroethane | 10.1 | U | 0.010 | 10.1 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10.1 | U | 0.010 | 10.1 | |
| 78-59-1 | Isophorone | 10.1 | U | 0.010 | 10.1 | |
| 91-20-3 | Naphthalene | 10.1 | U | 0.010 | 10.1 | |
| 100-01-6 | 4-Nitroaniline | 25.3 | U | 0.010 | 25.3 | |
| 98-95-3 | Nitrobenzene | 10.1 | U | 0.010 | 10.1 | |
| 100-02-7 | 4-Nitrophenol | 25.3 | U | 0.010 | 25.3 | |
| 87-86-5 | Pentachlorophenol | 25.3 | U | 0.010 | 25.3 | |
| 85-01-8 | Phenanthrene | 10.1 | U | 0.010 | 10.1 | |
| 108-95-2 | Phenol | 10.1 | U | 0.010 | 10.1 | |
| 129-00-0 | Pyrene | 10.1 | U | 0.010 | 10.1 | |
| 621-64-7 | N-Nitroso-di-n-propylamine | 10.1 | U | 0.010 | 10.1 | |

FORM I SV-1

01/21/08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 207092917

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-SW52-1023

Contract:

Lab File ID: 2071004/b4641

Lab Sample ID: 20709291707

Date Collected: 09/28/07 Time: 1210

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1203

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 358621 Analytical Batch: 358785

*CONCENTRATION UNITS: ug/L*

| CAS NO. | COMPOUND | RESULT | Q | MDL | RL |
|---|---|---|---|---|---|
| 86-30-6 | N-Nitrosodiphenylamine | 10.1 | U | 0.010 | 10.1 |
| 95-48-7 | o-Cresol | 10.1 | U | 0.010 | 10.1 |

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.: 207092917

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-SW52-1023

Contract:

Lab File ID: 2071004/b4641

Lab Sample ID: 20709291707

Date Collected: 09/28/07 Time: 1210

Date Received: 09/29/07

Date Extracted: 10/02/07

Date Analyzed: 10/04/07 Time: 1203

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

*Number TICs Found :* 2

*CONCENTRATION UNITS:ug/L*

| | CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 13151-34-3 | Decane, 3-methyl- | 1.806 | 1.58 | |
| 2. | 0-00-0 | 3,3',5,5'-Tetramethyl-2,2'-bif | 2.819 | 1 | |

FORM I SV-TIC

JLM 01/29/08

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 ( µL )
Soil Aliquot Volume: ( µL )
Injection Volume: 1 ( µL )
GPC Cleanup: (Y/N) N pH:
Prep Batch: 358622 Analytical Batch: 359241

Sample ID: SK-SW50-1023
Contract:
SAS No.: SDG No.: 207092917
Lab Sample ID: 20709291701
Date Collected: 09/28/07 Time: 1300
Date Received: 09/29/07
Date Extracted: 10/03/07
Date Analyzed: 10/10/07 Time: 1412
Dilution Factor: 1 Analyst: TLS
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: 2071010/sv18a004

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

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 ( µL )
Soil Aliquot Volume: ( µL )
Injection Volume: 1 ( µL )
GPC Cleanup: (Y/N) N pH:
Prep Batch: 358622 Analytical Batch: 359241

Sample ID: SK-FD-1023 (SW-50)
Contract:
SAS No.: SDG No.: 207092917
Lab Sample ID: 20709291702
Date Collected: 09/28/07 Time: 1300
Date Received: 09/29/07
Date Extracted: 10/03/07
Date Analyzed: 10/10/07 Time: 1429
Dilution Factor: 1 Analyst: TLS
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: 2071010/sv18a005

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

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 ( µL )
Soil Aliquot Volume: ( µL )
Injection Volume: 1 ( µL )
GPC Cleanup: (Y/N) N pH:
Prep Batch: 358622 Analytical Batch: 359241

Sample ID: SK-SW51-1023
Contract:
SAS No.: SDG No.: 207092917
Lab Sample ID: 20709291703
Date Collected: 09/28/07 Time: 1030
Date Received: 09/29/07
Date Extracted: 10/03/07
Date Analyzed: 10/10/07 Time: 1447
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2071010/sv18a006

*CONCENTRATION UNITS: ug/L*

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

FORM I ORG-1

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: ID: (mm)
Concentrated Extract Volume: 1000 ( µL )
Soil Aliquot Volume: ( µL )
Injection Volume: 1 ( µL )
GPC Cleanup: (Y/N) N pH:
Prep Batch: 358622 Analytical Batch: 359241

Sample ID: SK-SW52-1023
Contract:
SAS No.: SDG No.: 207092917
Lab Sample ID: 20709291707
Date Collected: 09/28/07 Time: 1210
Date Received: 09/29/07
Date Extracted: 10/03/07
Date Analyzed: 10/10/07 Time: 1540
Dilution Factor: 1 Analyst: TLS
Prep Method: OLM4.2 PEST/PCB
Analytical Method: OLMO 4.2
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2071010/sv18a009

*CONCENTRATION UNITS: ug/L*

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

FORM I ORG-1

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

SOW No.:

| *EPA Sample No.* | *Lab Sample ID.* |
|---|---|
| SK-SW50-1023 | 20709291701 |
| SK-FD-1023 (SW-50) | 20709291702 |
| SK-SW51-1023 | 20709291703 |
| SK-MS-1023 (SW-51) | 20709291704 |
| SK-DUP-1023 (SW-51) | 20709291706 |
| SK-SW52-1023 | 20709291707 |
| SK-SW50-1023 (DISS) | 20709291710 |
| SK-FD-1023 (SW-50) DISS | 20709291711 |
| SK-SW51-1023 (DISS) | 20709291712 |
| SK-MS-1023 (SW-51) DISS | 20709291713 |
| SK-DUP-1023 (SW-51) DIS | 20709291714 |
| SK-SW52-1023 (DISS) | 20709291715 |

Were ICP interelement corrections applied ? Yes / No YES

Were ICP background corrections applied ? Yes / No YES

If yes-were raw data generated before application of background corrections ? Yes / No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness for other than the conditions detailed above. Release of this data contained in this hardcopy data package and in the computer readable data submitted on the diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Karen Melerine Name: Karen Melerine

Date:: 10-31-07 Title: Metals Supervisor

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW50-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: ( soil / water ) Water Lab Sample ID: 20709291701

Level: ( low / med ) Date Received: 09/29/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 36.9 | B | | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 68.8 | B | | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 106000 | | | P | |
| 7440-47-3 | Chromium | 2.5 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 0.7 | U | | P | |
| 7439-89-6 | Iron | 71.7 | B | | P | |
| 7439-92-1 | Lead | 0.9 | B | | P | J |
| 7439-95-4 | Magnesium | 29600 | | | P | |
| 7439-96-5 | Manganese | 5.8 | B | | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 4870 | B | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 43000 | | E | P | J |
| 7440-28-0 | Thallium | 2.8 | B | | P | |
| 7440-62-2 | Vanadium | 2.6 | B | | P | |
| 7440-66-6 | Zinc | 2.6 | B | | P | |
| 57-12-5 | Cyanide | 0.6 | U | | AS | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:



1/31/08

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1023 (SW-50)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: ( soil / water ) Water Lab Sample ID: 20709291702

Level: ( low / med ) Date Received: 09/29/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15.4 | U | | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 66.9 | B | | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 103000 | | | P | |
| 7440-47-3 | Chromium | 2.4 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 0.7 | U | | P | |
| 7439-89-6 | Iron | 24.6 | B | | P | |
| 7439-92-1 | Lead | 0.9 | B | | P | J |
| 7439-95-4 | Magnesium | 28700 | | | P | |
| 7439-96-5 | Manganese | 6.7 | B | | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 4750 | B | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 42000 | | E | P | J |
| 7440-28-0 | Thallium | 3.8 | B | | P | |
| 7440-62-2 | Vanadium | 2.9 | B | | P | |
| 7440-66-6 | Zinc | 6.6 | B | | P | |
| 57-12-5 | Cyanide | 0.6 | U | | AS | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

1/31/08 MR

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW51-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: ( soil / water ) Water Lab Sample ID: 20709291703

Level: ( low / med ) Date Received: 09/29/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 53.5 | B | | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 61.8 | B | | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 99800 | | | P | |
| 7440-47-3 | Chromium | 2.3 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 0.7 | U | | P | |
| 7439-89-6 | Iron | 69.0 | B | | P | |
| 7439-92-1 | Lead | 1.1 | B | | P | J |
| 7439-95-4 | Magnesium | 26900 | | | P | |
| 7439-96-5 | Manganese | 23.7 | | | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 4430 | B | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 42100 | | E | P | J |
| 7440-28-0 | Thallium | 2.9 | B | | P | |
| 7440-62-2 | Vanadium | 1.2 | B | | P | |
| 7440-66-6 | Zinc | 3.2 | B | | P | |
| 57-12-5 | Cyanide | 0.6 | U | | AS | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:



1/31/08

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW52-1023

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: ( soil / water ) Water Lab Sample ID: 20709291707

Level: ( low / med ) Date Received: 09/29/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 106 | B | | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 66.5 | B | | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 106000 | | | P | |
| 7440-47-3 | Chromium | 2.2 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 0.7 | U | | P | |
| 7439-89-6 | Iron | 145 | | | P | |
| 7439-92-1 | Lead | 0.8 | U | | P | |
| 7439-95-4 | Magnesium | 27100 | | | P | |
| 7439-96-5 | Manganese | 37.4 | | | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 4460 | B | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 43400 | | E | P | J |
| 7440-28-0 | Thallium | 4.1 | B | | P | |
| 7440-62-2 | Vanadium | 2.7 | B | | P | |
| 7440-66-6 | Zinc | 3.2 | B | | P | |
| 57-12-5 | Cyanide | 0.6 | U | | AS | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:



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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW50-1023 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: ( soil / water ) Water Lab Sample ID: 20709291710

Level: ( low / med ) Date Received: 09/29/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 19.7 | B | | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 67.6 | B | | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 103000 | | | P | |
| 7440-47-3 | Chromium | 2.4 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 0.7 | U | | P | |
| 7439-89-6 | Iron | 10.2 | B | | P | |
| 7439-92-1 | Lead | 0.8 | U | | P | |
| 7439-95-4 | Magnesium | 29200 | | | P | |
| 7439-96-5 | Manganese | 3.5 | B | | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 4760 | B | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | B | | P | |
| 7440-23-5 | Sodium | 42500 | | E | P | J |
| 7440-28-0 | Thallium | 3.3 | B | | P | |
| 7440-62-2 | Vanadium | 1.1 | B | | P | |
| 7440-66-6 | Zinc | 8.8 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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11/31/08 MZ

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-FD-1023 (SW-50) DISS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: ( soil / water ) Water Lab Sample ID: 20709291711

Level: ( low / med ) Date Received: 09/29/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15.4 | U | | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 68.0 | B | | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 102000 | | | P | |
| 7440-47-3 | Chromium | 2.5 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 0.7 | B | | P | |
| 7439-89-6 | Iron | 10.8 | B | | P | |
| 7439-92-1 | Lead | 0.8 | U | | P | |
| 7439-95-4 | Magnesium | 28300 | | | P | |
| 7439-96-5 | Manganese | 4.3 | B | | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 4730 | B | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 41500 | | E | P | J |
| 7440-28-0 | Thallium | 4.0 | B | | P | |
| 7440-62-2 | Vanadium | 2.5 | B | | P | |
| 7440-66-6 | Zinc | 7.8 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:



11/31/08 MK

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW51-1023 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: ( soil / water ) Water Lab Sample ID: 20709291712

Level: ( low / med ) Date Received: 09/29/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 15.4 | U | | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 60.1 | B | | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 97600 | | | P | |
| 7440-47-3 | Chromium | 2.0 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 0.7 | U | | P | |
| 7439-89-6 | Iron | 11.3 | B | | P | |
| 7439-92-1 | Lead | 0.8 | U | | P | |
| 7439-95-4 | Magnesium | 26600 | | | P | |
| 7439-96-5 | Manganese | 20.7 | | | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 4290 | B | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.3 | U | | P | |
| 7440-23-5 | Sodium | 41300 | | E | P | J |
| 7440-28-0 | Thallium | 2.9 | B | | P | |
| 7440-62-2 | Vanadium | 2.2 | B | | P | |
| 7440-66-6 | Zinc | 5.0 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:



1/31/08 MA

448

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SK-SW52-1023 (DISS)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 207092917

Matrix: ( soil / water ) Water Lab Sample ID: 20709291715

Level: ( low / med ) Date Received: 09/29/07

% Solids:

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

| CAS No. | Analyte | Concentration | C | Q | M | |
|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 18.5 | B | | P | |
| 7440-36-0 | Antimony | 2.4 | U | | P | |
| 7440-38-2 | Arsenic | 2.4 | U | | P | |
| 7440-39-3 | Barium | 64.7 | B | | P | |
| 7440-41-7 | Beryllium | 0.1 | U | | P | |
| 7440-43-9 | Cadmium | 0.1 | U | | P | |
| 7440-70-2 | Calcium | 105000 | | | P | |
| 7440-47-3 | Chromium | 2.2 | B | | P | |
| 7440-48-4 | Cobalt | 0.2 | U | | P | |
| 7440-50-8 | Copper | 0.7 | U | | P | |
| 7439-89-6 | Iron | 27.1 | B | | P | |
| 7439-92-1 | Lead | 1.0 | B | | P | J |
| 7439-95-4 | Magnesium | 27100 | | | P | |
| 7439-96-5 | Manganese | 25.9 | | | P | |
| 7439-97-6 | Mercury | 0.1 | U | | AV | |
| 7440-02-0 | Nickel | 0.4 | U | | P | |
| 7440-09-7 | Potassium | 4370 | B | E | P | J |
| 7782-49-2 | Selenium | 3.9 | U | N | P | UJ |
| 7440-22-4 | Silver | 0.4 | B | | P | |
| 7440-23-5 | Sodium | 42200 | | E | P | J |
| 7440-28-0 | Thallium | 3.9 | B | | P | |
| 7440-62-2 | Vanadium | 2.9 | B | | P | |
| 7440-66-6 | Zinc | 3.6 | B | | P | |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

1/31/08 pm

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

Lab use only

| Client Name | Client # | Workorder # | Due Date |
|---|---|---|---|
| Earth Tech | 4342 | 201092917 | 10-12-07 |

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

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill / 3rd Q 2007
Sampled By: Michael J. Papp

Analytical Requests & Method

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | VOCs | SVOC | Pesticides | PCBs | Total Metals | Dissolved Metals (Filtered) | Cyanide | Remarks: | Lab ID | / DSS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/28/07 | 1300 | | X | SK-SW50-1023 | various | 10 | X | X | X | X | X | X | X | Refer to Table 7 | 1 | 10 |
| W | | 1300 | | X | SK-FD-1023(SW-50) | HCL | 3 | X | | | | | | | of O/M LTTP | 2 | |
| W | | 1030 | | X | SK-SW51-1023 | | 3 | X | | | | | | | for complete list | 3 | |
| W | | 1030 | | X | SK-MS-1023(SW-51) | | 3 | X | | | | | | | of analytes | 4 | |
| W | | 1030 | | X | SK-MSD-1023(SW-51) | | 3 | X | | | | | | | | 5 | |
| W | | 1210 | | X | SK-SW52-1023 | | 3 | X | | | | | | | | 7 | |
| W | 9/28/07 | — | | | SK-TB-1023 | HCL | 3 | X | | | | | | | Provided by Lab | 8 | |
| | | | | | | | | | | | | | | | VHBLK | 9 | |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| Michael J. Papp | | 9/28/07 | 1500 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| Foley | MC | 9.28.07 | 900 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| | | | |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

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

GCAL-06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

Lab use only

| Client Name | Client # | Workorder # | Due Date |
|---|---|---|---|
| Earth Tech | 4342 | 207092917 | 10-12-07 |

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

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill / 3rd Q 2007
Sampled By: Michael J. Popp

Analytical Requests & Method

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | Pesticides | PCBs | Total Metals | Dissolved Metals (filtered) | Cyanide | | | | | | Remarks: | Lab ID / DSS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/28/07 | 1300 | | X | SK-FD-1023 (SW-50) | varies | 7 | X | X | X | X | X | X | | | | | | Refer to Table of O/M LTTP for complete list of analytes. | 7 2, 11 |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| Michael J. Popp | | 9/28/07 | 1500 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| Fedex | M | 9-29-07 | 900 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| | | | |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W – water, S – soil, SD – solid, L – liquid, SL – sludge, o – oil, CT – charcoal tube, A – air bag

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

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

GCAL-06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

Lab use only

| Client Name | Client # | Workorder # | Due Date |
|---|---|---|---|
| Earth Tech | 4342 | 207092917 | 10-12-07 |

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

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill 3rd Q 2007
Sampled By: Mike Popp

Analytical Requests & Method

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | Pesticides | PCBs | Total Metals | Dissolved Metals (Filtered) | Cyanide | | | | | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/28/07 | 1030 | | X | SK-SW51-1023 | various | 7 | X | X | X | X | X | X | | | | | Refer to Table of our LTTP for complete list of analytes | 7 3. 12 |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| Michael A. Popp | | 9/28/07 | 1500 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| Fedex | | 9-29-07 | 900 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| | | | |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

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

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

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GCAL

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7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

# CHAIN OF CUSTODY RECORD

Lab use only

| Client Name | Client # | Workorder # | Due Date |
|---|---|---|---|
| Earth Tech | 4342 | 207092917 | 10-17-07 |

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

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

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill / 3rd Q 2007
Sampled By: Mike Popp

Analytical Requests & Method

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | Pesticides | PCB | Total Metals | Dissolved Metals (filtered) | Cyanide | | | | | | | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/28/07 | 1030 | | X | SK-MS-1023 (SW-51) | varies | 7 | X | X | X | X | X | X | | | | | | | Refer to Table 7 of O/M LTTP for complete list of analytes | 4, 13 |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| Michael J. Popp | | 9/28/07 | 1500 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| Fedex | M | 9-29-07 | 900 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| | | | |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

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

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

GCAL 06 11/98

# GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

Lab use only

| Client Name | Client # | Workorder # | Due Date |
|---|---|---|---|
| Earth Tech | 4342 | 207092917 | 10-12-07 |

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

**Bill to:**
Client: Glenn Springs Contract
Address:
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill / 3rd Q 2007
Sampled By: Mike Papp

Analytical Requests & Method

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | Pesticides | PCBs | Total Metals | Dissolved Metals (filtered) | Cyanide | Remarks: | Lab ID / DISS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | 9/28/07 | 1030 | | X | SK-MSD-1023(SW-51) | various | 7 | X | X | X | X | X | X | Refer to Table 7 of O/M LTTP for complete list of analytes | 5,6,14 |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| Michael J. Papp | | 9/28/07 | 1500 |
| Fdu | MR | 9-24-07 | 9W |
| | | | |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

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

GCAL-06 11/98

# GCAL

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7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

## CHAIN OF CUSTODY RECORD

| Lab use only | | | |
|---|---|---|---|
| earth tech | 4342 | 207092917 | 10-12-07 |
| Client Name | Client # | Workorder # | Due Date |

**Report to:**
Client: Earth Tech
Address: 2373 Progress Dr.
Hebron, KY 41048
Contact: Ron Roelker
Phone: 859-442-2300
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**Bill to:**
Client: Glen Springs Contract
Address:
Contact:
Phone:
Fax:

P.O. Number: 54280.01
Project Name/Number: Skinner Landfill / 3rd Q 2007
Sampled By: Mike Popp

Analytical Requests & Method

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

| Matrix[1] | Date | Time (2400) | Comp | Grab | Sample Description | Preservatives | No Containers | SVOC | PCBs | Pesticides | Total Metals | Dissolved Metals (filtered) | Cyanide | Remarks: | Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | 9/28/07 | 1210 | | X | SK-SW52-1023 | various | 7 | X | X | X | X | X | X | Refer to Table of O/M LTTP for complete list of analytes. | 7, 15 |

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

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| Michael J. Popp | | 9/28/07 | 1500 |
| [illegible] | [illegible] | 9 29 07 | 900 |
| | | | |

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

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

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

GCAL-06 11/98