Stantec Consulting Services Inc.
6188 Rome Circle NW
Rochester, MN 55901
Tel: (507) 282-2100 Fax: (507)282-3100

January 7, 2014

Mr. Todd Cooper
KCH Ohio TX Inc.
420 Jericho Turnpike, Suite 100
Jericho, NY 11753

**Reference: Soil and Groundwater Sampling Report, Subway Restaurant, 1814 Woodman Drive, Dayton Ohio**

Dear Mr. Cooper,

Stantec Consulting Services Inc. (Stantec) is pleased to provide the results of the soil and groundwater sampling performed for the Subway Restaurant located at 1814 Woodman Drive in Dayton, Ohio (the Site). The Site is located in part of the southwest ¼ of Section 14, Township 2, Range 7, City of Dayton, Ohio as shown on Figure 1. The purpose of the sampling was to obtain site-specific information that will facilitate the evaluation of recognized environmental conditions identified at the Site as part of a Phase I environmental site assessment completed by Stantec in August 2012; specifically,

- The use of the adjacent property to the east as an undocumented construction and demolition (C&D) landfill containing buried containers and elevated petroleum hydrocarbons in soil.

## INVESTIGATION

### Soil Sampling

On November 25, 2013, Terra Probe Environmental, under the observation of a geologist from Stantec, advanced three soil borings at the Site utilizing direct-push (GeoProbe®) methods. The borings, designated SBSY1 through SBSY3 were advanced to collect soil samples, evaluate subsurface conditions and install temporary groundwater monitoring wells along the common property boundary with the adjacent C&D landfill. Prior to sampling activities, Terra Probe Environmental requested an underground utility locate from the Ohio Utilities Protection Service.

The soil borings were advanced to depths of 10 to 16 feet below ground surface (bgs). Soil was continuously collected from the ground surface to the total depths explored using a direct-push sampler fitted with new pre-cleaned disposal liners for each four-foot sample interval. Sampling equipment that contacted soil was decontaminated before starting investigative activities and between each sampling location to reduce the possibility of cross-contamination. Soil samples were visually classified according to grain size, sorting, plasticity, moisture content, and color. The sample interval and time of sample collection was also recorded. Relevant site features and soil boring locations are presented on Figure 2.

Each one-foot soil sampling interval was divided into two aliquots - one for headspace analysis and one for possible laboratory testing. The soil samples collected for headspace analysis were screened in the field for total volatile organic content. Each sample collected for this purpose was placed in a container and labeled with the sampling location and sample depth. Following the completion of each boring, the headspace of each container was measured by inserting the probe of a photo-ionization detector (PID) into the container. The highest observed PID measurement was recorded as total volatile organic compounds (VOCs) in parts per million vapor (ppmv). Prior to screening the soil samples, the PID was calibrated according to the manufacturer's specifications.

Soil samples were also collected for laboratory analysis from the same depth intervals as the samples obtained for the field headspace measurements. Samples collected for laboratory analysis were sealed in glass containers provided by Test America of Canton, Ohio, and labeled with the date and time of collection, sampling location, and sampling depth. The samples were packed in ice immediately after collection and delivered overnight via Federal Express under chain-of-custody control directly to Test America for analysis. Soil samples were selected for laboratory analysis based on PID measurements and field observations. The soil samples were laboratory analyzed for VOCs, Resource Conservation and

Recovery Act (RCRA) metals, polyaromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) using appropriate Environmental Protection Agency (EPA) methods.

### Groundwater Sampling

On November 25, 2013 temporary groundwater monitoring wells consisting of 1-inch inner diameter, Schedule 40 polyvinyl chloride (PVC) casing and five feet of factory-slotted PVC screen (0.010-inch slot) were installed in borings SBSY1 through SBSY3. Each well screen was surrounded by a filter pack (#5 quartz sand) that was placed into the annulus between the borehole and the PVC. The screened intervals were chosen to intersect the first zone of saturation encountered during drilling to allow analytical screening of groundwater beneath the Site. The temporary monitoring well locations are presented on Figure 2.

The groundwater samples were collected by lowering a Teflon® tube into the well and attaching a peristaltic pump to the tube. Groundwater was pumped at a low flow rate (about a liter per minute) until sufficient purging (usually three to five times the volume of the water column in the well) yielded representative groundwater from the aquifer. During purging, groundwater samples were collected and screened to determine if there were any obvious signs of contamination (i.e., odor, discoloring, elevated PID readings). After purging, the laboratory bottles were filled with groundwater using the peristaltic pump. The samples were packed in ice immediately after collection and delivered overnight via Federal Express under chain-of-custody control directly to Test America for analysis. The groundwater samples were laboratory analyzed for VOCs, RCRA metals and PAHs using appropriate EPA methods.

Subsequent to soil and groundwater sampling, the well casing materials were removed and the soil boring cavities were filled with field cuttings and sealed with bentonite.

## RESULTS

### Subsurface Conditions

Subsurface conditions at each boring location generally consisted of approximately four feet of fill material characterized as sand and gravel (roadbed backfill) and sandy silt. The fill material was underlain by approximately three feet of clayey silt. The clayey soil was underlain by fine to medium grained sand and gravel to the total depths explored of 16 feet. No unusual odors or elevated PID responses were observed in the soil sample headspaces. Groundwater was encountered at approximately six feet bgs during drilling. Soil boring and temporary monitoring well logs are included in Attachment A.

### Soil Analytical Results

The detected soil concentrations were compared to the Ohio EPA Voluntary Action Program (VAP) generic direct contact standards for commercial and industrial land use and for construction and excavation. Comparisons of detected soil concentrations versus the respective VAP cleanup standard are presented in Table 1. Soil laboratory analytical reports are included in Attachment B.

Soil sample results are summarized below:

- PCBs were not detected above their respective laboratory method detection limits in the soil samples submitted for analysis.
- The VOCs acetone, 2-butanone and methylene chloride were detected in SBSY2 (5'-6' bgs) at concentrations of 0.021, 0.0041 and 0.0059 milligrams per kilogram (mg/kg), respectively. The VOCs acetone and 2-butanone were detected in SBSY3 (5'-6' bgs) sample at concentrations of 0.014 and 0.0031 mg/kg, respectively. The detected concentrations did not exceed their respective VAP generic direct contact standards for commercial and industrial land use and for construction and excavation.
- All of the detected PAHs and RCRA metals were below their respective VAP generic direct contact standards for commercial and industrial land use and for construction and excavation.

**Groundwater Analytical Results**

The detected groundwater concentrations were compared to the Ohio EPA VAP Unrestricted Potable Use Standards (UPUS). All of the detected VOCs, PAHs and RCRA metals were below their respective VAP UPUS. Comparisons of detected groundwater concentrations versus their respective UPUS are presented in Table 2. Groundwater laboratory analytical reports are included in Attachment B.

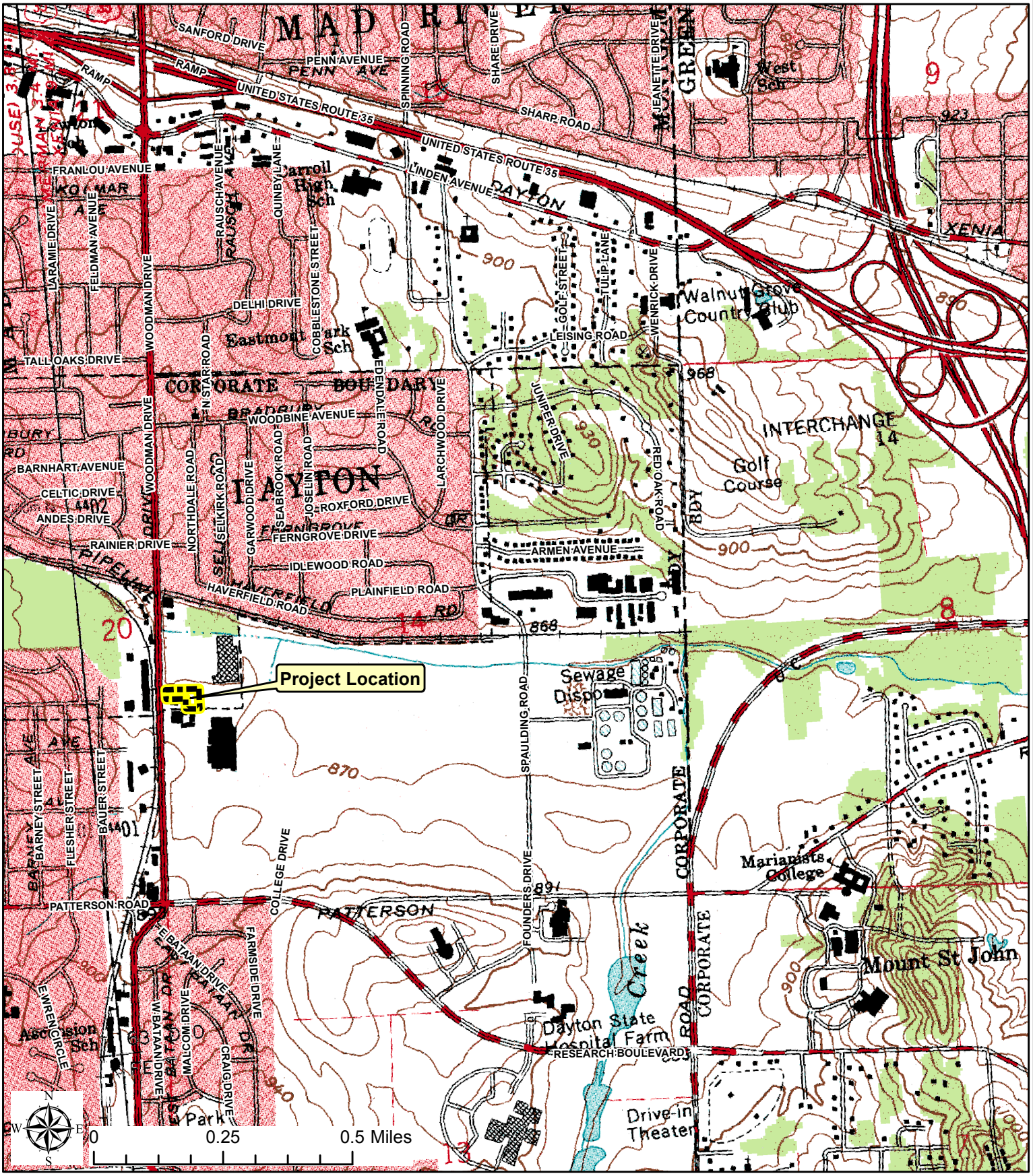
## CONCLUSIONS

Based upon the soil and groundwater laboratory results and comparison to applicable Ohio EPA VAP standards, there were no detections above the soil generic direct contact standards for commercial and industrial land use and construction and excavation or groundwater UPUS. Therefore based on these findings it does not appear that activities on the adjacent C&D landfill property have affected the Site. If you have any questions or need additional information, please contact me at (507) 358-0344.

Respectfully,

David C. Constant, PG, CPG
Team Leader
David.Constant@stantec.com

Attachments: Figure 1 – Site Location and Local Topography
Figure 2 – Property Layout
Table 1 – Summary of Soil and Groundwater Analytical Results
Attachment A – Soil Boring/Temporary Monitoring Well Logs
Attachment B – Test America Laboratory Reports





Stantec

2335 Highway 36 W
St. Paul, MN 55113
651-636-4600

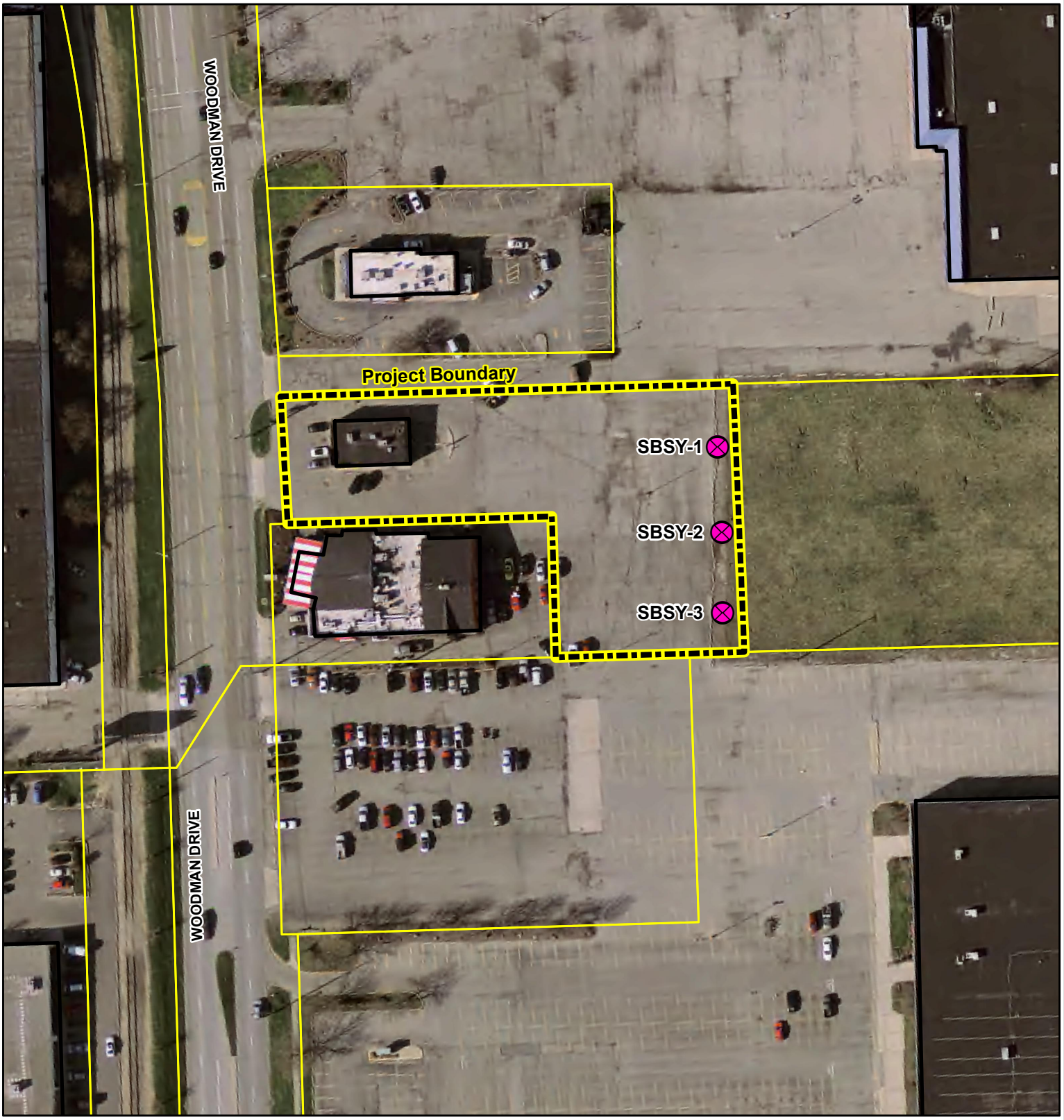

Subway Restaurant

Soil and Groundwater Sampling
1814 Woodman Drive
Dayton, Ohio 45420

**Property Location and Local Topography**

Figure 1

| Date | Job No. | Scale |
|---|---|---|
| 12/05/2013 | 193702740 | 1" = 0.25 mi |




SBSY-1 Soil Boring Location

0 100 200 Feet

N W E S

Stantec

2335 Highway 36 W
St. Paul, MN 55113
651-636-4600

Subway Restaurant

Soil and Groundwater Sampling
1814 Woodman Drive
Dayton, Ohio 45420

**Property Site Plan** Figure 2

| Date | Job No. | Scale |
|---|---|---|
| 12/05/2013 | 193702740 | 1" = 100' |

TABLE 1

SOIL ANALYTICAL RESULTS SUMMARY TABLE

SUBWAY RESTAURANT, 1814 WOODMAN DRIVE, DAYTON, OH

| | **VAP Com** | **VAP Excv** | **SBSY1-5/6** | **SBSY2-5/6** | **SBSY3-5/6** |
|---|---|---|---|---|---|
| Date Sampled: | | | **11/25/2013** | **11/25/2013** | **11/25/2013** |
| **All values in mg/kg** | | | | | |
| **VOCs** | | | | | |
| Acetone | 850000 | 320000 | ND | 0.021 | 0.014 J |
| 2-Butanone | 220000 | 15000 | ND | 0.0041 J | 0.0031 J |
| Benzene | *140* | 150 | ND | ND | ND |
| Carbon disulfide | 2200 | 190 | ND | ND | ND |
| 1,2-Dichloroethane | 17000 | 6600 | ND | ND | ND |
| Ethylbenzene | 8500 | 2600 | ND | ND | ND |
| Methylene Chloride | 4900 | 1500 | ND | 0.0059 | ND |
| Styrene | 29000 | 27000 | ND | ND | ND |
| Toluene | 33000 | 2000 | ND | ND | ND |
| Vinyl chloride | 210 | 63 | ND | ND | ND |
| Cyclohexane | NS | NS | ND | ND | ND |
| Xylenes, Total | 1500 | 440 | ND | ND | ND |
| Isopropylbenzene | 5700 | 17000 | ND | ND | ND |
| Methyl acetate | NS | NS | ND | ND | ND |
| Methyl tert-butyl ether | 28000 | 8300 | ND | ND | ND |
| methylcyclohexane | NS | NS | ND | ND | ND |
| **PNAs** | | | | | |
| Acenaphthene | 56000 | 440000 | ND | ND | ND |
| Anthracene | 280000 | 1000000 | ND | ND | ND |
| Benzo(a)anthracene | *76* | *680* | ND | ND | 0.071 J |
| Benzo(a)pyrene | *7.7* | *69* | 0.0065 J | ND | 0.0070 J |
| Benzo(b)fluoranthene | *77* | *690* | 0.0086 | ND | 0.011 |
| Benzo(g,h,i)perylene | 25000 | NS | 0.0095 | ND | ND |
| Benzo(k)fluoranthene | *770* | *690* | 0.0040 J | ND | 0.0050 J |
| Chrysene | *7600* | *69000* | ND | ND | 0.0066 J |
| Dibenz(a,h)anthracene | *7.7* | *69* | ND | ND | ND |

| | | | | | |
|---|---|---|---|---|---|
| 2-Chloronaphthalene | NS | NS | ND | ND | 0.013 |
| 2-Methylnaphthalene | 210000 | 60000 | ND | ND | 0.0057 J |
| Fluoranthene | 37000 | 290000 | 0.0041 J | ND | 0.013 |
| Fluorene | 37000 | 290000 | ND | ND | ND |
| Indeno(1,3,3-cd)pyrene | *77* | *690* | 0.0054 J | ND | ND |
| 1-Methylnaphthalene | 66000 | 51000 | ND | ND | ND |
| Naphthalene | 280 | 84 | ND | ND | ND |
| Phenanthrene | 870000 | 260000 | ND | ND | 0.0057 J |
| Pyrene | 28000 | 220000 | 0.0097 | 0.0045 J | 0.011 |
| Acenaphthylene | NS | NS | ND | ND | ND |
| **PCBs** | | | | | |
| Aroclor-1254 | 50 | 50 | ND | ND | ND |
| **RCRA METALS** | | | | | |
| Silver | 15000 | 9700 | ND | ND | ND |
| Arsenic | 610 | 420 | 1 | 1.1 | 2.1 |
| Barium | 370000 | 120000 | 15 J | 19 J | 15 J |
| Cadmium | 2300 | 1600 | 0.17 J | 0.23 | 0.16 J |
| Chromium (VI) | 8400 | 15000 | 6 | 5.6 | 5.3 |
| Lead | 1800 | 750 | 3.4 | 5.3 | 3 |
| Selenium | 15000 | 9700 | ND | ND | ND |
| Mercury | 290 | 190 | ND | ND | ND |

B - analyte appeared in blank and in the sample.

J - analyte was detected in concentrations below the accepted reporting limit but greater than or equal to the minimum detectable limit. The concentration is an approximate value.

VAP Com - VAP generic direct contact soil standards - Commercial and Industrial Land Use Categories.

VAP Excv - VAP generic direct contact soil standards - Construction and Excavation Activites Categories.

Standards in itallics are carcinogenic standards, all other standards non-carcinogen.

NS - No Standard

ND - Not Detected

## ATTACHMENT A

## SOIL BORING/TEMPORARY MONITORING WELL LOGS

*Stantec Consulting Services Inc.*

**One Team. Infinite Solutions**

1500 Lake Shore Drive, Suite 100
Columbus, OH 43204

# FIELD BOREHOLE LOG

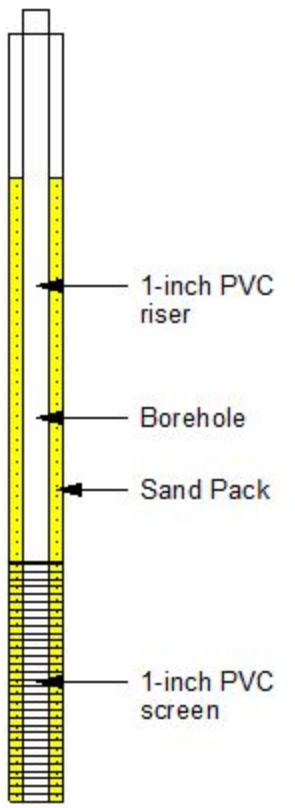
BOREHOLE NO.: **SBSY1**

TOTAL DEPTH: **16** Ft.

| PROJECT INFORMATION | | DRILLING INFORMATION | |
|---|---|---|---|
| PROJECT: | **Subway** | DRILLING CO.: | **Terra Probe** |
| SITE LOCATION: | **1814 Woodman Dr.** | DRILLER: | **Aaron Winslow** |
| JOB NO.: | **193702740** | RIG TYPE: | **GeoProbe** |
| LOGGED BY: | **Chris Krumm** | METHOD OF DRILLING: | **Direct Push** |
| PROJECT MANAGER: | **Dave Constant** | SAMPLING METHODS: | **4-foot Dual Tube Sampler** |
| DATES DRILLED: | **11/25/13** | HAMMER WT./DROP | **Percussion** |

Water level during drilling ⊲ Water level in completed well Longitude Latitude Elev (ft MSL)

| DEPTH | SOIL SYMBOLS | USCS | SOIL DESCRIPTION | REC | Blow Count | PID ppm | WELL CONST | WELL CONST |
|---|---|---|---|---|---|---|---|---|
| 0 | | | Fill: Sand & gravel first 1.5 ft, then six inches, black stained fill, followed by 1 ft sandy silt, fill. | 3.0 ft | DP | 0 | | |
| 5 | | | Clay and Sand: Brown gray silty clay to 6 ft, then gray fine to medium sand & fine to medium gravel. Wet at 6.0 ft. Soil spl SBSY1-5/6 retained for lab analysis. | 4.0 ft | DP | 0 | | |
| 10 | | | Gravel and Sand: Same as above, saturated. | 3.5 ft | DP | 0 | | |
| 15 | | | Gravel and Sand: Same as above, saturated. | 3.0 ft | DP | 0 | | |




NOTES: Monitor well set in borehole, screen 11-16 ft BLS, removed after sampling.

*Stantec Consulting Services Inc.*

**One Team. Infinite Solutions**

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Columbus, OH 43204

# FIELD BOREHOLE LOG

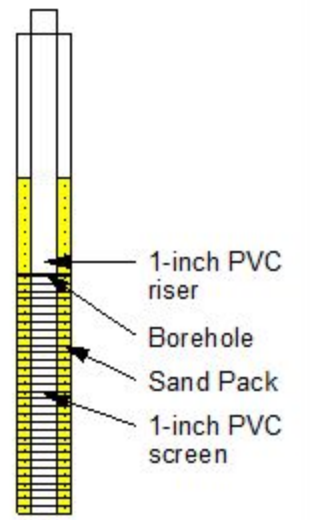
BOREHOLE NO.: **SBSY2**

TOTAL DEPTH: **10** Ft.

| PROJECT INFORMATION | | DRILLING INFORMATION | |
|---|---|---|---|
| PROJECT: | **Subway** | DRILLING CO.: | **Terra Probe** |
| SITE LOCATION: | **1814 Woodman Dr.** | DRILLER: | **Aaron Winslow** |
| JOB NO.: | **193702740** | RIG TYPE: | **GeoProbe** |
| LOGGED BY: | **Chris Krumm** | METHOD OF DRILLING: | **Direct Push** |
| PROJECT MANAGER: | **Dave Constant** | SAMPLING METHODS: | **4-foot Dual Tube Sampler** |
| DATES DRILLED: | **11/25/13** | HAMMER WT./DROP | **Percussion** |

Water level during drilling ⊲ Water level in completed well Longitude Latitude Elev (ft MSL)

| DEPTH | SOIL SYMBOLS | USCS | SOIL DESCRIPTION | REC | Blow Count | PID ppm | WELL CONST | WELL CONST |
|---|---|---|---|---|---|---|---|---|
| 0 | | | Fill: Top sand & gravel first 1.5 ft, then gray brown sandy silt, fill. | 3.0 ft | DP | 0 | | |
| 5 | | | Clay and Sand: First 2 feet brown clayey silt turning grey, then fine to medium sand & fine to medium gravel. Wet at 6.0 ft. Soil spl SBSY2-5/6 retained for lab analysis. | 4.0 ft | DP | 0 | | |
| 10 | | | Gravel and Sand: Brown gray fine to medium sand & fine to medium gravel, saturated. | 2.0 ft | DP | 0 | | |




NOTES: Monitor well set in borehole, screen 5-10 ft BLS, removed after sampling.

*Stantec Consulting Services Inc.*

**One Team. Infinite Solutions**

1500 Lake Shore Drive, Suite 100
Columbus, OH 43204

# FIELD BOREHOLE LOG

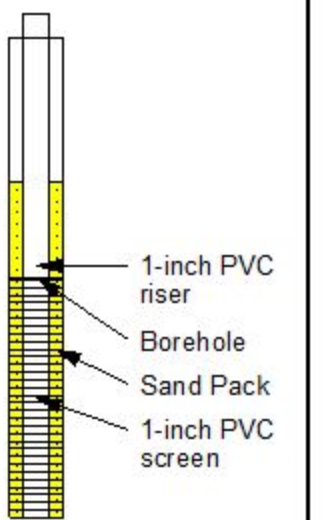
BOREHOLE NO.: **SBSY3**

TOTAL DEPTH: **10** Ft.

| PROJECT INFORMATION | | DRILLING INFORMATION | |
|---|---|---|---|
| PROJECT: | **Subway** | DRILLING CO.: | **Terra Probe** |
| SITE LOCATION: | **1814 Woodman Dr.** | DRILLER: | **Aaron Winslow** |
| JOB NO.: | **193702740** | RIG TYPE: | **GeoProbe** |
| LOGGED BY: | **Chris Krumm** | METHOD OF DRILLING: | **Direct Push** |
| PROJECT MANAGER: | **Dave Constant** | SAMPLING METHODS: | **4-foot Dual Tube Sampler** |
| DATES DRILLED: | **11/25/13** | HAMMER WT./DROP | **Percussion** |

Water level during drilling ⊲ Water level in completed well Longitude Latitude Elev (ft MSL)

| DEPTH | SOIL SYMBOLS | USCS | SOIL DESCRIPTION | REC | Blow Count | PID ppm | WELL CONST | WELL CONST |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | |
| | | | Fill: Sand & gravel first 2.0 ft, then gray brown sandy silt, fill. | 3.0 ft | DP | 0 | | |
| 5 | | | Clay and Sand: Brown to gray clayey to 6.5 ft, then fine to medium sand & fine to medium gravel. Wet at 6.5 ft. Soil spl SBSY3-5/6 retained for lab analysis. | 4.0 ft | DP | 0 | | |
| | | | Gravel and Sand: Brown gray fine to medium sand & fine to medium gravel, saturated. | 2.0 ft | DP | 0 | | |
| 10 | | | | | | | | |




NOTES: Monitor well set in borehole, screen 5-10 ft BLS, removed after sampling.

**ATTACHMENT B**

**TEST AMERICA LABORATORY REPORTS**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-31868-1
Client Project/Site: KCH OH TX, Inc

For:
Stantec Consulting Corporation
6188 Rome Circle North West
Rochester, Minnesota 55901

Attn: David Constant

*Authorized for release by:*
*12/11/2013 3:47:02 PM*

Josh McKinney, Project Manager II
(937)294-6856
josh.mckinney@testamericainc.com

# Table of Contents

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description |
|---|---|
| * | LCS or LCSD exceeds the control limits |
| B | Compound was found in the blank and sample. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| X | Surrogate is outside control limits |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| B | Compound was found in the blank and sample. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# Method Summary

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL CAN |
| 8270C | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL CAN |
| 8082 | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846 | TAL CAN |
| 6010B | Metals (ICP) | SW846 | TAL CAN |
| 6020 | Metals (ICP/MS) | SW846 | TAL CAN |
| 7470A | Mercury (CVAA) | SW846 | TAL CAN |
| 7471A | Mercury (CVAA) | SW846 | TAL CAN |
| Moisture | Percent Moisture | EPA | TAL CAN |
| Local Method | General Sub Contract Method | NONE | EMLab |

**Protocol References:**

EPA = US Environmental Protection Agency

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave, Suite 100, Irvine, CA 92614

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Solid | 11/25/13 10:00 | 11/26/13 09:20 |
| 240-31868-2 | SBSY2-5/6 | Solid | 11/25/13 10:30 | 11/26/13 09:20 |
| 240-31868-3 | SBSY3-5/6 | Solid | 11/25/13 10:55 | 11/26/13 09:20 |
| 240-31868-4 | SBFH1-11/13 | Solid | 11/25/13 15:20 | 11/26/13 09:20 |
| 240-31868-5 | SBFH2-6/7 | Solid | 11/25/13 13:00 | 11/26/13 09:20 |
| 240-31868-6 | SBFH3-10/12 | Solid | 11/25/13 13:55 | 11/26/13 09:20 |
| 240-31868-7 | SBFH4-0/2 | Solid | 11/25/13 15:35 | 11/26/13 09:20 |
| 240-31868-8 | SBFH5-0/2 | Solid | 11/25/13 15:50 | 11/26/13 09:20 |
| 240-31868-9 | SBFH6-0/2 | Solid | 11/25/13 16:00 | 11/26/13 09:20 |
| 240-31868-10 | SBFH7-0/2 | Solid | 11/25/13 16:15 | 11/26/13 09:20 |
| 240-31868-11 | SBSY1-GW | Water | 11/25/13 12:10 | 11/26/13 09:20 |
| 240-31868-12 | SBSY2-GW | Water | 11/25/13 11:50 | 11/26/13 09:20 |
| 240-31868-13 | SBSY3-GW | Water | 11/25/13 11:10 | 11/26/13 09:20 |
| 240-31868-14 | SBFH1-GW | Water | 11/25/13 15:20 | 11/26/13 09:20 |
| 240-31868-15 | SBFH2-GW | Water | 11/25/13 13:20 | 11/26/13 09:20 |
| 240-31868-16 | SBFH3-GW | Water | 11/25/13 14:10 | 11/26/13 09:20 |
| 240-31868-17 | TRIP BLANK | Water | 11/25/13 00:00 | 11/26/13 09:20 |
| 240-31868-18 | FHSS-1 | Solid | 11/25/13 14:36 | 11/26/13 09:20 |

# Detection Summary

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

## Client Sample ID: SBSY1-5/6 — Lab Sample ID: 240-31868-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]pyrene | 6.5 | J | 7.3 | 0.70 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[b]fluoranthene | 8.6 | | 7.3 | 0.65 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[g,h,i]perylene | 9.5 | | 7.3 | 0.38 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[k]fluoranthene | 4.0 | J | 7.3 | 0.74 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Fluoranthene | 4.1 | J | 7.3 | 0.60 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Indeno[1,2,3-cd]pyrene | 5.4 | J | 7.3 | 0.38 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Pyrene | 9.7 | | 7.3 | 0.48 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Barium | 15 | J | 20 | 0.071 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.17 | J | 0.20 | 0.036 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 6.0 | | 0.50 | 0.20 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 1.0 | | 1.0 | 0.30 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 3.4 | | 0.30 | 0.19 | mg/Kg | 1 | ☼ | 6010B | Total/NA |

## Client Sample ID: SBSY2-5/6 — Lab Sample ID: 240-31868-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 21 | | 17 | 5.3 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| 2-Butanone | 4.1 | J | 17 | 1.2 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| Methylene Chloride | 5.9 | | 4.2 | 0.57 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| Pyrene | 4.5 | J | 7.4 | 0.49 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Barium | 19 | J | 20 | 0.070 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.23 | | 0.20 | 0.036 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 5.6 | | 0.50 | 0.20 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 1.1 | | 0.99 | 0.30 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 5.3 | | 0.30 | 0.19 | mg/Kg | 1 | ☼ | 6010B | Total/NA |

## Client Sample ID: SBSY3-5/6 — Lab Sample ID: 240-31868-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 14 | J | 20 | 6.4 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| 2-Butanone | 3.1 | J | 20 | 1.4 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| Benzo[a]anthracene | 7.1 | J | 7.7 | 0.73 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[a]pyrene | 7.0 | J | 7.7 | 0.74 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[b]fluoranthene | 11 | | 7.7 | 0.68 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[k]fluoranthene | 5.0 | J | 7.7 | 0.79 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Chrysene | 6.6 | J | 7.7 | 1.3 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Fluoranthene | 13 | | 7.7 | 0.64 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Phenanthrene | 5.7 | J | 7.7 | 0.84 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Pyrene | 11 | | 7.7 | 0.51 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Barium | 15 | J | 20 | 0.070 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.16 | J | 0.20 | 0.035 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 5.3 | | 0.49 | 0.20 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 2.1 | | 0.98 | 0.30 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 3.0 | | 0.30 | 0.19 | mg/Kg | 1 | ☼ | 6010B | Total/NA |

## Client Sample ID: SBFH1-11/13 — Lab Sample ID: 240-31868-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 9.9 | J | 22 | 7.0 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| 2-Butanone | 2.1 | J | 22 | 1.6 | ug/Kg | 1 | ☼ | 8260B | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: SBFH1-11/13 (Continued) — Lab Sample ID: 240-31868-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | 5.9 | J | 9.6 | 0.51 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Pyrene | 11 | | 9.6 | 0.64 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Barium | 29 | | 25 | 0.088 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.31 | | 0.25 | 0.045 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 7.7 | | 0.62 | 0.25 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 2.0 | | 1.2 | 0.37 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 5.6 | | 0.37 | 0.24 | mg/Kg | 1 | ☼ | 6010B | Total/NA |

## Client Sample ID: SBFH2-6/7 — Lab Sample ID: 240-31868-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 12000 | | 4900 | 830 | ug/Kg | 4 | ☼ | 8260B | Total/NA |
| Benzene | 530 | J | 1200 | 58 | ug/Kg | 4 | ☼ | 8260B | Total/NA |
| Ethylbenzene | 1200 | | 1200 | 26 | ug/Kg | 4 | ☼ | 8260B | Total/NA |
| Isopropylbenzene | 3500 | | 1200 | 32 | ug/Kg | 4 | ☼ | 8260B | Total/NA |
| Methyl acetate | 490 | J | 2400 | 120 | ug/Kg | 4 | ☼ | 8260B | Total/NA |
| Methylene Chloride | 520 | J B | 1200 | 380 | ug/Kg | 4 | ☼ | 8260B | Total/NA |
| Toluene | 370 | J | 1200 | 83 | ug/Kg | 4 | ☼ | 8260B | Total/NA |
| Xylenes, Total | 2600 | | 2400 | 30 | ug/Kg | 4 | ☼ | 8260B | Total/NA |
| Methylcyclohexane | 14000 | | 2400 | 58 | ug/Kg | 4 | ☼ | 8260B | Total/NA |
| Benzo[a]anthracene | 290 | | 37 | 3.5 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Benzo[a]pyrene | 190 | | 37 | 3.5 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Benzo[b]fluoranthene | 260 | | 37 | 3.3 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Benzo[g,h,i]perylene | 88 | | 37 | 1.9 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Benzo[k]fluoranthene | 99 | | 37 | 3.8 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Anthracene | 270 | | 37 | 4.3 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Chrysene | 230 | | 37 | 6.1 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Fluoranthene | 920 | | 37 | 3.0 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Fluorene | 240 | | 37 | 2.9 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Indeno[1,2,3-cd]pyrene | 58 | | 37 | 1.9 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Phenanthrene | 1100 | | 37 | 4.0 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Pyrene | 730 | | 37 | 2.4 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Acenaphthene | 210 | | 37 | 4.2 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Naphthalene | 3700 | | 37 | 4.5 | ug/Kg | 5 | ☼ | 8270C | Total/NA |
| Aroclor-1254 | 200 | | 36 | 19 | ug/Kg | 1 | ☼ | 8082 | Total/NA |
| Barium | 67 | | 17 | 0.061 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.38 | | 0.17 | 0.031 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 9.4 | | 0.43 | 0.17 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 5.1 | | 0.86 | 0.26 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 43 | | 0.26 | 0.16 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Mercury | 0.050 | J | 0.10 | 0.016 | mg/Kg | 1 | ☼ | 7471A | Total/NA |

## Client Sample ID: SBFH3-10/12 — Lab Sample ID: 240-31868-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 47 | | 24 | 7.6 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| 2-Butanone | 11 | J | 24 | 1.7 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| Benzo[a]anthracene | 7.1 | J | 9.0 | 0.85 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[a]pyrene | 8.2 | J | 9.0 | 0.86 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[b]fluoranthene | 9.1 | | 9.0 | 0.80 | ug/Kg | 1 | ☼ | 8270C | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: SBFH3-10/12 (Continued) — Lab Sample ID: 240-31868-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | 5.4 | J | 9.0 | 0.47 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Chrysene | 4.6 | J | 9.0 | 1.5 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Fluoranthene | 16 | | 9.0 | 0.74 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Pyrene | 10 | | 9.0 | 0.59 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Barium | 140 | | 25 | 0.088 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.12 | J | 0.25 | 0.045 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 14 | | 0.62 | 0.25 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 1.6 | | 1.2 | 0.37 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 13 | | 0.37 | 0.23 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Mercury | 0.047 | J | 0.14 | 0.021 | mg/Kg | 1 | ☼ | 7471A | Total/NA |

## Client Sample ID: SBFH4-0/2 — Lab Sample ID: 240-31868-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | 110 | | 8.0 | 0.76 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[a]pyrene | 160 | | 8.0 | 0.77 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[b]fluoranthene | 270 | | 8.0 | 0.71 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[g,h,i]perylene | 110 | | 8.0 | 0.42 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[k]fluoranthene | 90 | | 8.0 | 0.82 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Anthracene | 22 | | 8.0 | 0.94 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Chrysene | 160 | | 8.0 | 1.3 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Dibenz(a,h)anthracene | 22 | | 8.0 | 0.79 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Fluoranthene | 260 | | 8.0 | 0.66 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Fluorene | 6.5 | J | 8.0 | 0.64 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Indeno[1,2,3-cd]pyrene | 89 | | 8.0 | 0.42 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Phenanthrene | 96 | | 8.0 | 0.88 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Pyrene | 220 | | 8.0 | 0.53 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Acenaphthene | 5.9 | J | 8.0 | 0.91 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Acenaphthylene | 17 | | 8.0 | 0.42 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Naphthalene | 6.3 | J | 8.0 | 0.98 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Barium | 55 | | 21 | 0.075 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.34 | | 0.21 | 0.038 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 12 | | 0.53 | 0.21 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 7.9 | | 1.1 | 0.32 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 26 | | 0.32 | 0.20 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Mercury | 0.042 | J | 0.13 | 0.020 | mg/Kg | 1 | ☼ | 7471A | Total/NA |

## Client Sample ID: SBFH5-0/2 — Lab Sample ID: 240-31868-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Methylene Chloride | 3.1 | J | 7.7 | 1.0 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| Benzo[a]anthracene | 9.0 | | 7.5 | 0.71 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[a]pyrene | 11 | | 7.5 | 0.72 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[b]fluoranthene | 18 | | 7.5 | 0.66 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[g,h,i]perylene | 9.1 | | 7.5 | 0.39 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[k]fluoranthene | 5.0 | J | 7.5 | 0.76 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Chrysene | 11 | | 7.5 | 1.2 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Fluoranthene | 18 | | 7.5 | 0.62 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Indeno[1,2,3-cd]pyrene | 7.6 | | 7.5 | 0.39 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Phenanthrene | 6.3 | J | 7.5 | 0.82 | ug/Kg | 1 | ☼ | 8270C | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: SBFH5-0/2 (Continued) — Lab Sample ID: 240-31868-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Pyrene | 16 | | 7.5 | 0.49 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Barium | 51 | | 21 | 0.073 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.16 | J | 0.21 | 0.037 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 10 | | 0.52 | 0.21 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 6.8 | | 1.0 | 0.31 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 7.9 | | 0.31 | 0.20 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Mercury | 0.021 | J | 0.10 | 0.015 | mg/Kg | 1 | ☼ | 7471A | Total/NA |

## Client Sample ID: SBFH6-0/2 — Lab Sample ID: 240-31868-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | 40 | | 8.3 | 0.78 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[a]pyrene | 54 | | 8.3 | 0.79 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[b]fluoranthene | 84 | | 8.3 | 0.73 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[g,h,i]perylene | 27 | | 8.3 | 0.43 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[k]fluoranthene | 29 | | 8.3 | 0.84 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Anthracene | 5.8 | J | 8.3 | 0.97 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Chrysene | 62 | | 8.3 | 1.4 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Fluoranthene | 93 | | 8.3 | 0.68 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Indeno[1,2,3-cd]pyrene | 25 | | 8.3 | 0.43 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Phenanthrene | 31 | | 8.3 | 0.90 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Pyrene | 83 | | 8.3 | 0.54 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Barium | 120 | | 22 | 0.077 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.22 | | 0.22 | 0.039 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 16 | | 0.54 | 0.22 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 11 | | 1.1 | 0.33 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 14 | | 0.33 | 0.21 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Mercury | 0.041 | J | 0.12 | 0.018 | mg/Kg | 1 | ☼ | 7471A | Total/NA |

## Client Sample ID: SBFH7-0/2 — Lab Sample ID: 240-31868-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | 81 | | 8.0 | 0.75 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[a]pyrene | 110 | | 8.0 | 0.77 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[b]fluoranthene | 170 | | 8.0 | 0.71 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[g,h,i]perylene | 62 | | 8.0 | 0.42 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Benzo[k]fluoranthene | 59 | | 8.0 | 0.81 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Anthracene | 9.4 | | 8.0 | 0.93 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Chrysene | 110 | | 8.0 | 1.3 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Fluoranthene | 170 | | 8.0 | 0.66 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Indeno[1,2,3-cd]pyrene | 55 | | 8.0 | 0.42 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Phenanthrene | 55 | | 8.0 | 0.87 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Pyrene | 150 | | 8.0 | 0.53 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Acenaphthylene | 5.1 | J | 8.0 | 0.42 | ug/Kg | 1 | ☼ | 8270C | Total/NA |
| Barium | 77 | | 23 | 0.080 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Cadmium | 0.25 | | 0.23 | 0.041 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Chromium | 11 | | 0.57 | 0.23 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Arsenic | 8.6 | | 1.1 | 0.34 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Lead | 13 | | 0.34 | 0.21 | mg/Kg | 1 | ☼ | 6010B | Total/NA |
| Selenium | 0.74 | | 0.57 | 0.51 | mg/Kg | 1 | ☼ | 6010B | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: SBFH7-0/2 (Continued) — Lab Sample ID: 240-31868-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.026 | J | 0.13 | 0.019 | mg/Kg | 1 | ☼ | 7471A | Total/NA |

## Client Sample ID: SBSY1-GW — Lab Sample ID: 240-31868-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 1.3 | J B | 10 | 1.1 | ug/L | 1 | | 8260B | Total/NA |
| Benzene | 0.14 | J | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |
| Toluene | 0.14 | J B | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |
| Cyclohexane | 0.13 | J | 1.0 | 0.12 | ug/L | 1 | | 8260B | Total/NA |
| Acenaphthene | 0.14 | J | 0.22 | 0.048 | ug/L | 1 | | 8270C | Total/NA |
| Anthracene | 0.13 | J | 0.22 | 0.034 | ug/L | 1 | | 8270C | Total/NA |
| 2-Chloronaphthalene | 0.13 | J | 1.1 | 0.13 | ug/L | 1 | | 8270C | Total/NA |
| 2-Methylnaphthalene | 0.13 | J | 0.22 | 0.040 | ug/L | 1 | | 8270C | Total/NA |
| Fluoranthene | 0.19 | J | 0.22 | 0.029 | ug/L | 1 | | 8270C | Total/NA |
| Fluorene | 0.14 | J | 0.22 | 0.037 | ug/L | 1 | | 8270C | Total/NA |
| 1-Methylnaphthalene | 0.12 | J | 0.22 | 0.035 | ug/L | 1 | | 8270C | Total/NA |
| Phenanthrene | 0.21 | J | 0.22 | 0.034 | ug/L | 1 | | 8270C | Total/NA |
| Pyrene | 0.18 | J | 0.22 | 0.030 | ug/L | 1 | | 8270C | Total/NA |
| Silver | 0.045 | J | 1.0 | 0.0083 | ug/L | 1 | | 6020 | Total Recoverable |
| Arsenic | 9.3 | B | 5.0 | 0.063 | ug/L | 1 | | 6020 | Total Recoverable |
| Barium | 280 | B | 5.0 | 0.32 | ug/L | 1 | | 6020 | Total Recoverable |
| Cadmium | 0.25 | J | 1.0 | 0.026 | ug/L | 1 | | 6020 | Total Recoverable |
| Chromium | 6.3 | B | 2.0 | 0.13 | ug/L | 1 | | 6020 | Total Recoverable |
| Lead | 6.8 | B | 1.0 | 0.14 | ug/L | 1 | | 6020 | Total Recoverable |
| Selenium | 1.2 | J | 5.0 | 0.34 | ug/L | 1 | | 6020 | Total Recoverable |

## Client Sample ID: SBSY2-GW — Lab Sample ID: 240-31868-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Silver | 0.043 | J | 1.0 | 0.0083 | ug/L | 1 | | 6020 | Total Recoverable |
| Arsenic | 3.9 | J B | 5.0 | 0.063 | ug/L | 1 | | 6020 | Total Recoverable |
| Barium | 280 | B | 5.0 | 0.32 | ug/L | 1 | | 6020 | Total Recoverable |
| Cadmium | 0.080 | J | 1.0 | 0.026 | ug/L | 1 | | 6020 | Total Recoverable |
| Chromium | 4.8 | B | 2.0 | 0.13 | ug/L | 1 | | 6020 | Total Recoverable |
| Lead | 6.1 | B | 1.0 | 0.14 | ug/L | 1 | | 6020 | Total Recoverable |
| Selenium | 0.68 | J | 5.0 | 0.34 | ug/L | 1 | | 6020 | Total Recoverable |

## Client Sample ID: SBSY3-GW — Lab Sample ID: 240-31868-13

This Detection Summary does not include radiochemical test results.

## Client Sample ID: SBSY3-GW (Continued) — Lab Sample ID: 240-31868-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | 0.21 | J B | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |
| Cyclohexane | 0.18 | J | 1.0 | 0.12 | ug/L | 1 | | 8260B | Total/NA |
| Methylcyclohexane | 0.14 | J | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |
| Silver | 0.12 | J | 1.0 | 0.0083 | ug/L | 1 | | 6020 | Total Recoverable |
| Arsenic | 5.3 | B | 5.0 | 0.063 | ug/L | 1 | | 6020 | Total Recoverable |
| Barium | 200 | B | 5.0 | 0.32 | ug/L | 1 | | 6020 | Total Recoverable |
| Cadmium | 0.11 | J | 1.0 | 0.026 | ug/L | 1 | | 6020 | Total Recoverable |
| Chromium | 14 | B | 2.0 | 0.13 | ug/L | 1 | | 6020 | Total Recoverable |
| Lead | 12 | B | 1.0 | 0.14 | ug/L | 1 | | 6020 | Total Recoverable |
| Selenium | 2.0 | J | 5.0 | 0.34 | ug/L | 1 | | 6020 | Total Recoverable |

## Client Sample ID: SBFH1-GW — Lab Sample ID: 240-31868-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | 0.17 | J B | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |
| Vinyl chloride | 2.6 | | 1.0 | 0.22 | ug/L | 1 | | 8260B | Total/NA |
| Cyclohexane | 0.16 | J | 1.0 | 0.12 | ug/L | 1 | | 8260B | Total/NA |
| Methylcyclohexane | 0.15 | J | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |
| Silver | 0.074 | J | 1.0 | 0.0083 | ug/L | 1 | | 6020 | Total Recoverable |
| Arsenic | 27 | B | 5.0 | 0.063 | ug/L | 1 | | 6020 | Total Recoverable |
| Barium | 840 | B | 5.0 | 0.32 | ug/L | 1 | | 6020 | Total Recoverable |
| Cadmium | 0.23 | J | 1.0 | 0.026 | ug/L | 1 | | 6020 | Total Recoverable |
| Chromium | 16 | B | 2.0 | 0.13 | ug/L | 1 | | 6020 | Total Recoverable |
| Lead | 19 | B | 1.0 | 0.14 | ug/L | 1 | | 6020 | Total Recoverable |
| Selenium | 1.4 | J | 5.0 | 0.34 | ug/L | 1 | | 6020 | Total Recoverable |

## Client Sample ID: SBFH2-GW — Lab Sample ID: 240-31868-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 200 | | 11 | 1.4 | ug/L | 11.11 | | 8260B | Total/NA |
| Carbon disulfide | 21 | | 11 | 1.4 | ug/L | 11.11 | | 8260B | Total/NA |
| 1,2-Dichloroethane | 6.1 | J | 11 | 2.4 | ug/L | 11.11 | | 8260B | Total/NA |
| Ethylbenzene | 41 | | 11 | 1.9 | ug/L | 11.11 | | 8260B | Total/NA |
| Toluene | 30 | B | 11 | 1.4 | ug/L | 11.11 | | 8260B | Total/NA |
| Xylenes, Total | 82 | | 22 | 1.6 | ug/L | 11.11 | | 8260B | Total/NA |
| Isopropylbenzene | 59 | | 11 | 1.4 | ug/L | 11.11 | | 8260B | Total/NA |
| Methylcyclohexane | 140 | | 11 | 1.4 | ug/L | 11.11 | | 8260B | Total/NA |
| Acenaphthene | 1.7 | | 0.54 | 0.12 | ug/L | 2.5 | | 8270C | Total/NA |
| Anthracene | 0.84 | | 0.54 | 0.084 | ug/L | 2.5 | | 8270C | Total/NA |
| 2-Methylnaphthalene | 58 | | 0.54 | 0.10 | ug/L | 2.5 | | 8270C | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: SBFH2-GW (Continued) — Lab Sample ID: 240-31868-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Fluoranthene | 2.6 | | 0.54 | 0.073 | ug/L | 2.5 | | 8270C | Total/NA |
| Fluorene | 1.3 | | 0.54 | 0.092 | ug/L | 2.5 | | 8270C | Total/NA |
| 1-Methylnaphthalene | 26 | | 0.54 | 0.087 | ug/L | 2.5 | | 8270C | Total/NA |
| Naphthalene | 100 | | 0.54 | 0.12 | ug/L | 2.5 | | 8270C | Total/NA |
| Phenanthrene | 4.0 | | 0.54 | 0.084 | ug/L | 2.5 | | 8270C | Total/NA |
| Pyrene | 2.3 | | 0.54 | 0.076 | ug/L | 2.5 | | 8270C | Total/NA |
| Silver | 0.29 | J | 1.0 | 0.0083 | ug/L | 1 | | 6020 | Total Recoverable |
| Arsenic | 48 | B | 5.0 | 0.063 | ug/L | 1 | | 6020 | Total Recoverable |
| Barium | 580 | B | 5.0 | 0.32 | ug/L | 1 | | 6020 | Total Recoverable |
| Cadmium | 1.6 | | 1.0 | 0.026 | ug/L | 1 | | 6020 | Total Recoverable |
| Chromium | 87 | B | 2.0 | 0.13 | ug/L | 1 | | 6020 | Total Recoverable |
| Lead | 320 | B | 1.0 | 0.14 | ug/L | 1 | | 6020 | Total Recoverable |
| Selenium | 2.7 | J | 5.0 | 0.34 | ug/L | 1 | | 6020 | Total Recoverable |
| Mercury | 0.26 | | 0.20 | 0.12 | ug/L | 1 | | 7470A | Total/NA |

## Client Sample ID: SBFH3-GW — Lab Sample ID: 240-31868-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.33 | J | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |
| Ethylbenzene | 0.21 | J | 1.0 | 0.17 | ug/L | 1 | | 8260B | Total/NA |
| Toluene | 0.20 | J B | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |
| Xylenes, Total | 0.34 | J | 2.0 | 0.14 | ug/L | 1 | | 8260B | Total/NA |
| Cyclohexane | 1.7 | | 1.0 | 0.12 | ug/L | 1 | | 8260B | Total/NA |
| Isopropylbenzene | 0.37 | J | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |
| Methyl tert-butyl ether | 0.22 | J | 1.0 | 0.17 | ug/L | 1 | | 8260B | Total/NA |
| Methylcyclohexane | 0.36 | J | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |
| 2-Methylnaphthalene | 0.44 | | 0.33 | 0.062 | ug/L | 1 | | 8270C | Total/NA |
| 1-Methylnaphthalene | 0.28 | J | 0.33 | 0.053 | ug/L | 1 | | 8270C | Total/NA |
| Naphthalene | 0.89 | | 0.33 | 0.072 | ug/L | 1 | | 8270C | Total/NA |
| Silver | 0.018 | J | 1.0 | 0.0083 | ug/L | 1 | | 6020 | Total Recoverable |
| Arsenic | 2.7 | J B | 5.0 | 0.063 | ug/L | 1 | | 6020 | Total Recoverable |
| Barium | 290 | B | 5.0 | 0.32 | ug/L | 1 | | 6020 | Total Recoverable |
| Chromium | 1.0 | J B | 2.0 | 0.13 | ug/L | 1 | | 6020 | Total Recoverable |
| Lead | 0.97 | J B | 1.0 | 0.14 | ug/L | 1 | | 6020 | Total Recoverable |
| Selenium | 0.42 | J | 5.0 | 0.34 | ug/L | 1 | | 6020 | Total Recoverable |

## Client Sample ID: TRIP BLANK — Lab Sample ID: 240-31868-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 14 | | 10 | 1.1 | ug/L | 1 | | 8260B | Total/NA |
| Ethylbenzene | 0.17 | J | 1.0 | 0.17 | ug/L | 1 | | 8260B | Total/NA |

This Detection Summary does not include radiochemical test results.

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

## Client Sample ID: TRIP BLANK (Continued) — Lab Sample ID: 240-31868-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Methylene Chloride | 1.2 | | 1.0 | 0.33 | ug/L | 1 | | 8260B | Total/NA |
| Styrene | 1.5 | | 1.0 | 0.11 | ug/L | 1 | | 8260B | Total/NA |
| Toluene | 0.20 | J B | 1.0 | 0.13 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: FHSS-1 — Lab Sample ID: 240-31868-18

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY1-5/6**
**Date Collected: 11/25/13 10:00**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-1**
**Matrix: Solid**
**Percent Solids: 92.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 4.0 | 0.45 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 4.0 | 0.27 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 4.0 | 1.0 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,1,2-Trichloroethane | ND | | 4.0 | 0.31 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,1-Dichloroethane | ND | | 4.0 | 0.29 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,1-Dichloroethene | ND | | 4.0 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 4.0 | 0.22 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 8.0 | 1.0 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,2-Dichlorobenzene | ND | | 4.0 | 0.29 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,2-Dichloroethane | ND | | 4.0 | 0.27 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,2-Dichloropropane | ND | | 4.0 | 0.55 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,3-Dichlorobenzene | ND | | 4.0 | 0.28 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,4-Dichlorobenzene | ND | | 4.0 | 0.53 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 2-Hexanone | ND | | 16 | 0.51 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Acetone | ND | | 16 | 5.1 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Benzene | ND | | 4.0 | 0.18 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Bromoform | ND | | 4.0 | 0.26 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Bromomethane | ND | | 4.0 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Carbon disulfide | ND | | 4.0 | 0.35 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Carbon tetrachloride | ND | | 4.0 | 0.30 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Chlorobenzene | ND | | 4.0 | 0.26 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Chloroethane | ND | | 4.0 | 0.69 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Chloroform | ND | | 4.0 | 0.23 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Chloromethane | ND | | 4.0 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| cis-1,2-Dichloroethene | ND | | 4.0 | 0.29 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| cis-1,3-Dichloropropene | ND | | 4.0 | 0.27 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Cyclohexane | ND | | 8.0 | 0.26 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Bromodichloromethane | ND | | 4.0 | 0.22 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Dichlorodifluoromethane | ND | | 4.0 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Ethylbenzene | ND | | 4.0 | 0.21 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 1,2-Dibromoethane | ND | | 4.0 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Isopropylbenzene | ND | | 4.0 | 0.13 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Methyl acetate | ND | | 8.0 | 1.1 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 2-Butanone | ND | | 16 | 1.1 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 4-Methyl-2-pentanone | ND | | 16 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Methyl tert-butyl ether | ND | | 4.0 | 0.34 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Methylene Chloride | ND | | 4.0 | 0.54 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Styrene | ND | | 4.0 | 0.12 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Tetrachloroethene | ND | | 4.0 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Toluene | ND | | 4.0 | 0.22 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| trans-1,2-Dichloroethene | ND | | 4.0 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| trans-1,3-Dichloropropene | ND | | 4.0 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Trichloroethene | ND | | 4.0 | 0.34 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Trichlorofluoromethane | ND | | 4.0 | 0.27 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Vinyl chloride | ND | | 4.0 | 0.31 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Xylenes, Total | ND | | 8.0 | 0.28 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Methylcyclohexane | ND | | 8.0 | 0.25 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Dibromochloromethane | ND | | 4.0 | 0.44 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:14 | 1 |

**Client Sample ID: SBSY1-5/6**
**Date Collected: 11/25/13 10:00**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-1**
**Matrix: Solid**
**Percent Solids: 92.1**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 58 - 123 | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| 4-Bromofluorobenzene (Surr) | 94 | | 52 - 136 | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Toluene-d8 (Surr) | 96 | | 67 - 125 | 11/26/13 16:45 | 11/30/13 04:14 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 37 - 132 | 11/26/13 16:45 | 11/30/13 04:14 | 1 |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 7.3 | 0.69 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| **Benzo[a]pyrene** | **6.5** | **J** | 7.3 | 0.70 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| **Benzo[b]fluoranthene** | **8.6** | | 7.3 | 0.65 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| **Benzo[g,h,i]perylene** | **9.5** | | 7.3 | 0.38 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| **Benzo[k]fluoranthene** | **4.0** | **J** | 7.3 | 0.74 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Anthracene | ND | | 7.3 | 0.85 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Chrysene | ND | | 7.3 | 1.2 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Dibenz(a,h)anthracene | ND | | 7.3 | 0.72 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| **Fluoranthene** | **4.1** | **J** | 7.3 | 0.60 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Fluorene | ND | | 7.3 | 0.58 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| **Indeno[1,2,3-cd]pyrene** | **5.4** | **J** | 7.3 | 0.38 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Phenanthrene | ND | | 7.3 | 0.80 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| **Pyrene** | **9.7** | | 7.3 | 0.48 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Acenaphthene | ND | | 7.3 | 0.83 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Acenaphthylene | ND | | 7.3 | 0.38 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Naphthalene | ND | | 7.3 | 0.90 | ug/Kg | ☼ | 12/04/13 08:15 | 12/09/13 13:41 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl (Surr) | 90 | | 24 - 110 | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| 2-Fluorophenol (Surr) | 88 | | 24 - 110 | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| 2,4,6-Tribromophenol (Surr) | 112 | X | 10 - 110 | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Nitrobenzene-d5 (Surr) | 102 | | 20 - 110 | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Phenol-d5 (Surr) | 96 | | 26 - 110 | 12/04/13 08:15 | 12/09/13 13:41 | 1 |
| Terphenyl-d14 (Surr) | 120 | X | 36 - 110 | 12/04/13 08:15 | 12/09/13 13:41 | 1 |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 36 | 23 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:11 | 1 |
| Aroclor-1221 | ND | | 36 | 17 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:11 | 1 |
| Aroclor-1232 | ND | | 36 | 15 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:11 | 1 |
| Aroclor-1242 | ND | | 36 | 14 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:11 | 1 |
| Aroclor-1248 | ND | | 36 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:11 | 1 |
| Aroclor-1254 | ND | | 36 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:11 | 1 |
| Aroclor-1260 | ND | | 36 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:11 | 1 |
| Aroclor-1262 | ND | | 36 | 29 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:11 | 1 |
| Aroclor-1268 | ND | | 36 | 15 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:11 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 84 | | 29 - 151 | 12/03/13 10:08 | 12/06/13 13:11 | 1 |
| DCB Decachlorobiphenyl | 71 | | 14 - 163 | 12/03/13 10:08 | 12/06/13 13:11 | 1 |

## Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Barium** | **15** | **J** | 20 | 0.071 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:36 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY1-5/6**
**Date Collected: 11/25/13 10:00**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-1**
**Matrix: Solid**
**Percent Solids: 92.1**

### Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | 0.17 | J | 0.20 | 0.036 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:36 | 1 |
| Chromium | 6.0 | | 0.50 | 0.20 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:36 | 1 |
| Silver | ND | | 0.50 | 0.10 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:36 | 1 |
| Arsenic | 1.0 | | 1.0 | 0.30 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:36 | 1 |
| Lead | 3.4 | | 0.30 | 0.19 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:36 | 1 |
| Selenium | ND | | 0.50 | 0.45 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:36 | 1 |

### Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.11 | 0.017 | mg/Kg | ☼ | 11/27/13 13:55 | 11/29/13 14:51 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY2-5/6**
**Date Collected: 11/25/13 10:30**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-2**
**Matrix: Solid**
**Percent Solids: 89.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 4.2 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 4.2 | 0.29 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 4.2 | 1.1 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,1,2-Trichloroethane | ND | | 4.2 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,1-Dichloroethane | ND | | 4.2 | 0.31 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,1-Dichloroethene | ND | | 4.2 | 0.44 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 4.2 | 0.23 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 8.5 | 1.1 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,2-Dichlorobenzene | ND | | 4.2 | 0.31 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,2-Dichloroethane | ND | | 4.2 | 0.29 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,2-Dichloropropane | ND | | 4.2 | 0.58 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,3-Dichlorobenzene | ND | | 4.2 | 0.30 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,4-Dichlorobenzene | ND | | 4.2 | 0.56 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 2-Hexanone | ND | | 17 | 0.53 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| **Acetone** | **21** | | 17 | 5.3 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Benzene | ND | | 4.2 | 0.19 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Bromoform | ND | | 4.2 | 0.28 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Bromomethane | ND | | 4.2 | 0.46 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Carbon disulfide | ND | | 4.2 | 0.37 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Carbon tetrachloride | ND | | 4.2 | 0.31 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Chlorobenzene | ND | | 4.2 | 0.28 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Chloroethane | ND | | 4.2 | 0.73 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Chloroform | ND | | 4.2 | 0.25 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Chloromethane | ND | | 4.2 | 0.35 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| cis-1,2-Dichloroethene | ND | | 4.2 | 0.31 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| cis-1,3-Dichloropropene | ND | | 4.2 | 0.29 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Cyclohexane | ND | | 8.5 | 0.28 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Bromodichloromethane | ND | | 4.2 | 0.24 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Dichlorodifluoromethane | ND | | 4.2 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Ethylbenzene | ND | | 4.2 | 0.22 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 1,2-Dibromoethane | ND | | 4.2 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Isopropylbenzene | ND | | 4.2 | 0.14 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Methyl acetate | ND | | 8.5 | 1.2 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| **2-Butanone** | **4.1** | **J** | 17 | 1.2 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| 4-Methyl-2-pentanone | ND | | 17 | 0.46 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Methyl tert-butyl ether | ND | | 4.2 | 0.36 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| **Methylene Chloride** | **5.9** | | 4.2 | 0.57 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Styrene | ND | | 4.2 | 0.13 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Tetrachloroethene | ND | | 4.2 | 0.44 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Toluene | ND | | 4.2 | 0.23 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| trans-1,2-Dichloroethene | ND | | 4.2 | 0.35 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| trans-1,3-Dichloropropene | ND | | 4.2 | 0.46 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Trichloroethene | ND | | 4.2 | 0.36 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Trichlorofluoromethane | ND | | 4.2 | 0.29 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Vinyl chloride | ND | | 4.2 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Xylenes, Total | ND | | 8.5 | 0.30 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Methylcyclohexane | ND | | 8.5 | 0.26 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |
| Dibromochloromethane | ND | | 4.2 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:35 | 1 |

**Client Sample ID: SBSY2-5/6**
**Date Collected: 11/25/13 10:30**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-2**
**Matrix: Solid**
**Percent Solids: 89.2**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *58 - 123* | *11/26/13 16:45* | *11/30/13 04:35* | *1* |
| *4-Bromofluorobenzene (Surr)* | *85* | | *52 - 136* | *11/26/13 16:45* | *11/30/13 04:35* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *67 - 125* | *11/26/13 16:45* | *11/30/13 04:35* | *1* |
| *Dibromofluoromethane (Surr)* | *94* | | *37 - 132* | *11/26/13 16:45* | *11/30/13 04:35* | *1* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 7.4 | 0.70 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Benzo[a]pyrene | ND | | 7.4 | 0.71 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Benzo[b]fluoranthene | ND | | 7.4 | 0.65 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Benzo[g,h,i]perylene | ND | | 7.4 | 0.39 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Benzo[k]fluoranthene | ND | | 7.4 | 0.75 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Anthracene | ND | | 7.4 | 0.86 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Chrysene | ND | | 7.4 | 1.2 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Dibenz(a,h)anthracene | ND | | 7.4 | 0.73 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Fluoranthene | ND | | 7.4 | 0.61 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Fluorene | ND | | 7.4 | 0.59 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 7.4 | 0.39 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Phenanthrene | ND | | 7.4 | 0.81 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| **Pyrene** | **4.5** | **J** | 7.4 | 0.49 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Acenaphthene | ND | | 7.4 | 0.84 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Acenaphthylene | ND | | 7.4 | 0.39 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |
| Naphthalene | ND | | 7.4 | 0.91 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 19:04* | *1* |
| *2-Fluorophenol (Surr)* | *75* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 19:04* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *69* | | *10 - 110* | *12/03/13 09:14* | *12/05/13 19:04* | *1* |
| *Nitrobenzene-d5 (Surr)* | *70* | | *20 - 110* | *12/03/13 09:14* | *12/05/13 19:04* | *1* |
| *Phenol-d5 (Surr)* | *80* | | *26 - 110* | *12/03/13 09:14* | *12/05/13 19:04* | *1* |
| *Terphenyl-d14 (Surr)* | *108* | | *36 - 110* | *12/03/13 09:14* | *12/05/13 19:04* | *1* |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 37 | 23 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:26 | 1 |
| Aroclor-1221 | ND | | 37 | 18 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:26 | 1 |
| Aroclor-1232 | ND | | 37 | 16 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:26 | 1 |
| Aroclor-1242 | ND | | 37 | 15 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:26 | 1 |
| Aroclor-1248 | ND | | 37 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:26 | 1 |
| Aroclor-1254 | ND | | 37 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:26 | 1 |
| Aroclor-1260 | ND | | 37 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:26 | 1 |
| Aroclor-1262 | ND | | 37 | 30 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:26 | 1 |
| Aroclor-1268 | ND | | 37 | 16 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tetrachloro-m-xylene* | *81* | | *29 - 151* | *12/03/13 10:08* | *12/06/13 13:26* | *1* |
| *DCB Decachlorobiphenyl* | *69* | | *14 - 163* | *12/03/13 10:08* | *12/06/13 13:26* | *1* |

## Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Barium** | **19** | **J** | 20 | 0.070 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:40 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY2-5/6**
**Date Collected: 11/25/13 10:30**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-2**
**Matrix: Solid**
**Percent Solids: 89.2**

### Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Cadmium** | **0.23** | | 0.20 | 0.036 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:40 | 1 |
| **Chromium** | **5.6** | | 0.50 | 0.20 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:40 | 1 |
| Silver | ND | | 0.50 | 0.099 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:40 | 1 |
| **Arsenic** | **1.1** | | 0.99 | 0.30 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:40 | 1 |
| **Lead** | **5.3** | | 0.30 | 0.19 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:40 | 1 |
| Selenium | ND | | 0.50 | 0.45 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:40 | 1 |

### Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.11 | 0.017 | mg/Kg | ☼ | 11/27/13 13:55 | 11/29/13 14:20 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY3-5/6**
**Date Collected: 11/25/13 10:55**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-3**
**Matrix: Solid**
**Percent Solids: 86.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 5.1 | 0.57 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.1 | 0.34 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.1 | 1.3 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,1,2-Trichloroethane | ND | | 5.1 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,1-Dichloroethane | ND | | 5.1 | 0.36 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,1-Dichloroethene | ND | | 5.1 | 0.53 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 5.1 | 0.27 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10 | 1.3 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,2-Dichlorobenzene | ND | | 5.1 | 0.36 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,2-Dichloroethane | ND | | 5.1 | 0.34 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,2-Dichloropropane | ND | | 5.1 | 0.70 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,3-Dichlorobenzene | ND | | 5.1 | 0.35 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,4-Dichlorobenzene | ND | | 5.1 | 0.67 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 2-Hexanone | ND | | 20 | 0.64 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| **Acetone** | **14** | **J** | 20 | 6.4 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Benzene | ND | | 5.1 | 0.23 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Bromoform | ND | | 5.1 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Bromomethane | ND | | 5.1 | 0.55 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Carbon disulfide | ND | | 5.1 | 0.45 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Carbon tetrachloride | ND | | 5.1 | 0.37 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Chlorobenzene | ND | | 5.1 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Chloroethane | ND | | 5.1 | 0.87 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Chloroform | ND | | 5.1 | 0.29 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Chloromethane | ND | | 5.1 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| cis-1,2-Dichloroethene | ND | | 5.1 | 0.36 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| cis-1,3-Dichloropropene | ND | | 5.1 | 0.34 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Cyclohexane | ND | | 10 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Bromodichloromethane | ND | | 5.1 | 0.28 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Dichlorodifluoromethane | ND | | 5.1 | 0.51 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Ethylbenzene | ND | | 5.1 | 0.26 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 1,2-Dibromoethane | ND | | 5.1 | 0.51 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Isopropylbenzene | ND | | 5.1 | 0.16 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Methyl acetate | ND | | 10 | 1.4 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| **2-Butanone** | **3.1** | **J** | 20 | 1.4 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 4-Methyl-2-pentanone | ND | | 20 | 0.55 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Methyl tert-butyl ether | ND | | 5.1 | 0.44 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Methylene Chloride | ND | | 5.1 | 0.68 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Styrene | ND | | 5.1 | 0.15 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Tetrachloroethene | ND | | 5.1 | 0.53 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Toluene | ND | | 5.1 | 0.27 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| trans-1,2-Dichloroethene | ND | | 5.1 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| trans-1,3-Dichloropropene | ND | | 5.1 | 0.55 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Trichloroethene | ND | | 5.1 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Trichlorofluoromethane | ND | | 5.1 | 0.34 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Vinyl chloride | ND | | 5.1 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Xylenes, Total | ND | | 10 | 0.35 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Methylcyclohexane | ND | | 10 | 0.31 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Dibromochloromethane | ND | | 5.1 | 0.56 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 04:56 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY3-5/6**
**Date Collected: 11/25/13 10:55**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-3**
**Matrix: Solid**
**Percent Solids: 86.9**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 58 - 123 | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| 4-Bromofluorobenzene (Surr) | 79 | | 52 - 136 | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Toluene-d8 (Surr) | 111 | | 67 - 125 | 11/26/13 16:45 | 11/30/13 04:56 | 1 |
| Dibromofluoromethane (Surr) | 100 | | 37 - 132 | 11/26/13 16:45 | 11/30/13 04:56 | 1 |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | 7.1 | J | 7.7 | 0.73 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Benzo[a]pyrene | 7.0 | J | 7.7 | 0.74 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Benzo[b]fluoranthene | 11 | | 7.7 | 0.68 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Benzo[g,h,i]perylene | ND | | 7.7 | 0.40 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Benzo[k]fluoranthene | 5.0 | J | 7.7 | 0.79 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Anthracene | ND | | 7.7 | 0.90 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Chrysene | 6.6 | J | 7.7 | 1.3 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Dibenz(a,h)anthracene | ND | | 7.7 | 0.76 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Fluoranthene | 13 | | 7.7 | 0.64 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Fluorene | ND | | 7.7 | 0.61 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 7.7 | 0.40 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Phenanthrene | 5.7 | J | 7.7 | 0.84 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Pyrene | 11 | | 7.7 | 0.51 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Acenaphthene | ND | | 7.7 | 0.88 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Acenaphthylene | ND | | 7.7 | 0.40 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Naphthalene | ND | | 7.7 | 0.95 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl (Surr) | 78 | | 24 - 110 | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| 2-Fluorophenol (Surr) | 84 | | 24 - 110 | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| 2,4,6-Tribromophenol (Surr) | 61 | | 10 - 110 | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Nitrobenzene-d5 (Surr) | 76 | | 20 - 110 | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Phenol-d5 (Surr) | 87 | | 26 - 110 | 12/03/13 09:14 | 12/05/13 17:54 | 1 |
| Terphenyl-d14 (Surr) | 114 | X | 36 - 110 | 12/03/13 09:14 | 12/05/13 17:54 | 1 |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 38 | 24 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:41 | 1 |
| Aroclor-1221 | ND | | 38 | 18 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:41 | 1 |
| Aroclor-1232 | ND | | 38 | 16 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:41 | 1 |
| Aroclor-1242 | ND | | 38 | 15 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:41 | 1 |
| Aroclor-1248 | ND | | 38 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:41 | 1 |
| Aroclor-1254 | ND | | 38 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:41 | 1 |
| Aroclor-1260 | ND | | 38 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:41 | 1 |
| Aroclor-1262 | ND | | 38 | 31 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:41 | 1 |
| Aroclor-1268 | ND | | 38 | 16 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:41 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 87 | | 29 - 151 | 12/03/13 10:08 | 12/06/13 13:41 | 1 |
| DCB Decachlorobiphenyl | 78 | | 14 - 163 | 12/03/13 10:08 | 12/06/13 13:41 | 1 |

## Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 15 | J | 20 | 0.070 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:44 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY3-5/6**
**Date Collected: 11/25/13 10:55**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-3**
**Matrix: Solid**
**Percent Solids: 86.9**

### Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Cadmium** | **0.16** | **J** | 0.20 | 0.035 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:44 | 1 |
| **Chromium** | **5.3** | | 0.49 | 0.20 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:44 | 1 |
| Silver | ND | | 0.49 | 0.098 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:44 | 1 |
| **Arsenic** | **2.1** | | 0.98 | 0.30 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:44 | 1 |
| **Lead** | **3.0** | | 0.30 | 0.19 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:44 | 1 |
| Selenium | ND | | 0.49 | 0.44 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:44 | 1 |

### Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.13 | 0.019 | mg/Kg | ☼ | 11/27/13 13:55 | 11/29/13 14:22 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH1-11/13**
**Date Collected: 11/25/13 15:20**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-4**
**Matrix: Solid**
**Percent Solids: 69.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 5.6 | 0.62 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.6 | 0.38 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.6 | 1.4 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,1,2-Trichloroethane | ND | | 5.6 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,1-Dichloroethane | ND | | 5.6 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,1-Dichloroethene | ND | | 5.6 | 0.58 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 5.6 | 0.30 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 11 | 1.4 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,2-Dichlorobenzene | ND | | 5.6 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,2-Dichloroethane | ND | | 5.6 | 0.38 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,2-Dichloropropane | ND | | 5.6 | 0.77 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,3-Dichlorobenzene | ND | | 5.6 | 0.39 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,4-Dichlorobenzene | ND | | 5.6 | 0.74 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 2-Hexanone | ND | | 22 | 0.70 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| **Acetone** | **9.9** | **J** | 22 | 7.0 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Benzene | ND | | 5.6 | 0.26 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Bromoform | ND | | 5.6 | 0.37 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Bromomethane | ND | | 5.6 | 0.60 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Carbon disulfide | ND | | 5.6 | 0.49 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Carbon tetrachloride | ND | | 5.6 | 0.41 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Chlorobenzene | ND | | 5.6 | 0.37 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Chloroethane | ND | | 5.6 | 0.96 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Chloroform | ND | | 5.6 | 0.32 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Chloromethane | ND | | 5.6 | 0.46 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| cis-1,2-Dichloroethene | ND | | 5.6 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| cis-1,3-Dichloropropene | ND | | 5.6 | 0.38 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Cyclohexane | ND | | 11 | 0.37 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Bromodichloromethane | ND | | 5.6 | 0.31 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Dichlorodifluoromethane | ND | | 5.6 | 0.56 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Ethylbenzene | ND | | 5.6 | 0.29 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 1,2-Dibromoethane | ND | | 5.6 | 0.56 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Isopropylbenzene | ND | | 5.6 | 0.18 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Methyl acetate | ND | | 11 | 1.6 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| **2-Butanone** | **2.1** | **J** | 22 | 1.6 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| 4-Methyl-2-pentanone | ND | | 22 | 0.60 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Methyl tert-butyl ether | ND | | 5.6 | 0.48 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Methylene Chloride | ND | | 5.6 | 0.75 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Styrene | ND | | 5.6 | 0.17 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Tetrachloroethene | ND | | 5.6 | 0.58 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Toluene | ND | | 5.6 | 0.30 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| trans-1,2-Dichloroethene | ND | | 5.6 | 0.46 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| trans-1,3-Dichloropropene | ND | | 5.6 | 0.60 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Trichloroethene | ND | | 5.6 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Trichlorofluoromethane | ND | | 5.6 | 0.38 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Vinyl chloride | ND | | 5.6 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Xylenes, Total | ND | | 11 | 0.39 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Methylcyclohexane | ND | | 11 | 0.35 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |
| Dibromochloromethane | ND | | 5.6 | 0.61 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:17 | 1 |

**Client Sample ID: SBFH1-11/13**
**Date Collected: 11/25/13 15:20**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-4**
**Matrix: Solid**
**Percent Solids: 69.6**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *102* | | *58 - 123* | *11/26/13 16:45* | *11/30/13 05:17* | *1* |
| *4-Bromofluorobenzene (Surr)* | *91* | | *52 - 136* | *11/26/13 16:45* | *11/30/13 05:17* | *1* |
| *Toluene-d8 (Surr)* | *101* | | *67 - 125* | *11/26/13 16:45* | *11/30/13 05:17* | *1* |
| *Dibromofluoromethane (Surr)* | *100* | | *37 - 132* | *11/26/13 16:45* | *11/30/13 05:17* | *1* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 9.6 | 0.91 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Benzo[a]pyrene | ND | | 9.6 | 0.92 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Benzo[b]fluoranthene | ND | | 9.6 | 0.85 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| **Benzo[g,h,i]perylene** | **5.9** | **J** | 9.6 | 0.51 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Benzo[k]fluoranthene | ND | | 9.6 | 0.98 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Anthracene | ND | | 9.6 | 1.1 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Chrysene | ND | | 9.6 | 1.6 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Dibenz(a,h)anthracene | ND | | 9.6 | 0.95 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Fluoranthene | ND | | 9.6 | 0.79 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Fluorene | ND | | 9.6 | 0.77 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 9.6 | 0.51 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Phenanthrene | ND | | 9.6 | 1.1 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| **Pyrene** | **11** | | 9.6 | 0.64 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Acenaphthene | ND | | 9.6 | 1.1 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Acenaphthylene | ND | | 9.6 | 0.51 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |
| Naphthalene | ND | | 9.6 | 1.2 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:17 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *85* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 18:17* | *1* |
| *2-Fluorophenol (Surr)* | *85* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 18:17* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *71* | | *10 - 110* | *12/03/13 09:14* | *12/05/13 18:17* | *1* |
| *Nitrobenzene-d5 (Surr)* | *78* | | *20 - 110* | *12/03/13 09:14* | *12/05/13 18:17* | *1* |
| *Phenol-d5 (Surr)* | *88* | | *26 - 110* | *12/03/13 09:14* | *12/05/13 18:17* | *1* |
| *Terphenyl-d14 (Surr)* | *116* | *X* | *36 - 110* | *12/03/13 09:14* | *12/05/13 18:17* | *1* |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 48 | 30 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:56 | 1 |
| Aroclor-1221 | ND | | 48 | 23 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:56 | 1 |
| Aroclor-1232 | ND | | 48 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:56 | 1 |
| Aroclor-1242 | ND | | 48 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:56 | 1 |
| Aroclor-1248 | ND | | 48 | 25 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:56 | 1 |
| Aroclor-1254 | ND | | 48 | 25 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:56 | 1 |
| Aroclor-1260 | ND | | 48 | 25 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:56 | 1 |
| Aroclor-1262 | ND | | 48 | 39 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:56 | 1 |
| Aroclor-1268 | ND | | 48 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 13:56 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *Tetrachloro-m-xylene* | *86* | | *29 - 151* | *12/03/13 10:08* | *12/06/13 13:56* | *1* |
| *DCB Decachlorobiphenyl* | *80* | | *14 - 163* | *12/03/13 10:08* | *12/06/13 13:56* | *1* |

## Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Barium** | **29** | | 25 | 0.088 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:48 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH1-11/13**
**Date Collected: 11/25/13 15:20**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-4**
**Matrix: Solid**
**Percent Solids: 69.6**

### Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Cadmium** | **0.31** | | 0.25 | 0.045 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:48 | 1 |
| **Chromium** | **7.7** | | 0.62 | 0.25 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:48 | 1 |
| Silver | ND | | 0.62 | 0.12 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:48 | 1 |
| **Arsenic** | **2.0** | | 1.2 | 0.37 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:48 | 1 |
| **Lead** | **5.6** | | 0.37 | 0.24 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:48 | 1 |
| Selenium | ND | | 0.62 | 0.56 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:48 | 1 |

### Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.14 | 0.021 | mg/Kg | ☼ | 11/27/13 13:55 | 11/29/13 14:24 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH2-6/7**
**Date Collected: 11/25/13 13:00**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-5**
**Matrix: Solid**
**Percent Solids: 91.3**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 1200 | 100 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | 1200 | 43 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1200 | 190 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,1,2-Trichloroethane | ND | | 1200 | 58 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,1-Dichloroethane | ND | | 1200 | 83 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,1-Dichloroethene | ND | | 1200 | 88 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,2,4-Trichlorobenzene | ND | | 1200 | 36 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2400 | 240 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,2-Dichlorobenzene | ND | | 1200 | 42 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,2-Dichloroethane | ND | | 1200 | 49 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,2-Dichloropropane | ND | | 1200 | 40 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,3-Dichlorobenzene | ND | | 1200 | 23 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,4-Dichlorobenzene | ND | | 1200 | 39 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 2-Hexanone | ND | | 4900 | 97 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| **Acetone** | **12000** | | 4900 | 830 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| **Benzene** | **530** | **J** | 1200 | 58 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Bromoform | ND | | 1200 | 93 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Bromomethane | ND | | 1200 | 140 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Carbon disulfide | ND | | 1200 | 58 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Carbon tetrachloride | ND | | 1200 | 31 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Chlorobenzene | ND | | 1200 | 31 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Chloroethane | ND | | 1200 | 300 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Chloroform | ND | | 1200 | 43 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Chloromethane | ND | | 1200 | 68 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| cis-1,2-Dichloroethene | ND | | 1200 | 34 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| cis-1,3-Dichloropropene | ND | | 1200 | 39 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Cyclohexane | ND | | 2400 | 190 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Bromodichloromethane | ND | | 1200 | 48 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Dichlorodifluoromethane | ND | | 1200 | 78 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| **Ethylbenzene** | **1200** | | 1200 | 26 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 1,2-Dibromoethane | ND | | 1200 | 49 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| **Isopropylbenzene** | **3500** | | 1200 | 32 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| **Methyl acetate** | **490** | **J** | 2400 | 120 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 2-Butanone | ND | | 4900 | 210 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| 4-Methyl-2-pentanone | ND | | 4900 | 230 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Methyl tert-butyl ether | ND | | 1200 | 35 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| **Methylene Chloride** | **520** | **J B** | 1200 | 380 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Styrene | ND | | 1200 | 27 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Tetrachloroethene | ND | | 1200 | 58 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| **Toluene** | **370** | **J** | 1200 | 83 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| trans-1,2-Dichloroethene | ND | | 1200 | 45 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| trans-1,3-Dichloropropene | ND | | 1200 | 97 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Trichloroethene | ND | | 1200 | 47 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Trichlorofluoromethane | ND | | 1200 | 78 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Vinyl chloride | ND | | 1200 | 88 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| **Xylenes, Total** | **2600** | | 2400 | 30 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| **Methylcyclohexane** | **14000** | | 2400 | 58 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |
| Dibromochloromethane | ND | | 1200 | 58 | ug/Kg | ☼ | 11/27/13 15:00 | 11/30/13 08:07 | 4 |

**Client Sample ID: SBFH2-6/7**
**Date Collected: 11/25/13 13:00**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-5**
**Matrix: Solid**
**Percent Solids: 91.3**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *98* | | *39 - 128* | *11/27/13 15:00* | *11/30/13 08:07* | *4* |
| *4-Bromofluorobenzene (Surr)* | *115* | | *26 - 141* | *11/27/13 15:00* | *11/30/13 08:07* | *4* |
| *Toluene-d8 (Surr)* | *103* | | *33 - 134* | *11/27/13 15:00* | *11/30/13 08:07* | *4* |
| *Dibromofluoromethane (Surr)* | *86* | | *30 - 122* | *11/27/13 15:00* | *11/30/13 08:07* | *4* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzo[a]anthracene** | **290** | | 37 | 3.5 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Benzo[a]pyrene** | **190** | | 37 | 3.5 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Benzo[b]fluoranthene** | **260** | | 37 | 3.3 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Benzo[g,h,i]perylene** | **88** | | 37 | 1.9 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Benzo[k]fluoranthene** | **99** | | 37 | 3.8 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Anthracene** | **270** | | 37 | 4.3 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Chrysene** | **230** | | 37 | 6.1 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| Dibenz(a,h)anthracene | ND | | 37 | 3.7 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Fluoranthene** | **920** | | 37 | 3.0 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Fluorene** | **240** | | 37 | 2.9 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Indeno[1,2,3-cd]pyrene** | **58** | | 37 | 1.9 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Phenanthrene** | **1100** | | 37 | 4.0 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Pyrene** | **730** | | 37 | 2.4 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Acenaphthene** | **210** | | 37 | 4.2 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| Acenaphthylene | ND | | 37 | 1.9 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |
| **Naphthalene** | **3700** | | 37 | 4.5 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:38 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *77* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 20:38* | *5* |
| *2-Fluorophenol (Surr)* | *80* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 20:38* | *5* |
| *2,4,6-Tribromophenol (Surr)* | *78* | | *10 - 110* | *12/03/13 09:14* | *12/05/13 20:38* | *5* |
| *Nitrobenzene-d5 (Surr)* | *77* | | *20 - 110* | *12/03/13 09:14* | *12/05/13 20:38* | *5* |
| *Phenol-d5 (Surr)* | *98* | | *26 - 110* | *12/03/13 09:14* | *12/05/13 20:38* | *5* |
| *Terphenyl-d14 (Surr)* | *104* | | *36 - 110* | *12/03/13 09:14* | *12/05/13 20:38* | *5* |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 36 | 23 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:11 | 1 |
| Aroclor-1221 | ND | | 36 | 18 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:11 | 1 |
| Aroclor-1232 | ND | | 36 | 15 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:11 | 1 |
| Aroclor-1242 | ND | | 36 | 14 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:11 | 1 |
| Aroclor-1248 | ND | | 36 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:11 | 1 |
| **Aroclor-1254** | **200** | | 36 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:11 | 1 |
| Aroclor-1260 | ND | | 36 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:11 | 1 |
| Aroclor-1262 | ND | | 36 | 30 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:11 | 1 |
| Aroclor-1268 | ND | | 36 | 15 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tetrachloro-m-xylene* | *80* | | *29 - 151* | *12/03/13 10:08* | *12/06/13 14:11* | *1* |
| *DCB Decachlorobiphenyl* | *81* | | *14 - 163* | *12/03/13 10:08* | *12/06/13 14:11* | *1* |

## Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Barium** | **67** | | 17 | 0.061 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:53 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH2-6/7**
**Date Collected: 11/25/13 13:00**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-5**
**Matrix: Solid**
**Percent Solids: 91.3**

### Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | 0.38 | | 0.17 | 0.031 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:53 | 1 |
| Chromium | 9.4 | | 0.43 | 0.17 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:53 | 1 |
| Silver | ND | | 0.43 | 0.086 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:53 | 1 |
| Arsenic | 5.1 | | 0.86 | 0.26 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:53 | 1 |
| Lead | 43 | | 0.26 | 0.16 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:53 | 1 |
| Selenium | ND | | 0.43 | 0.39 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:53 | 1 |

### Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.050 | J | 0.10 | 0.016 | mg/Kg | ☼ | 11/27/13 13:55 | 11/29/13 14:26 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH3-10/12**
**Date Collected: 11/25/13 13:55**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-6**
**Matrix: Solid**
**Percent Solids: 74.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 6.0 | 0.68 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 6.0 | 0.41 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 6.0 | 1.6 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,1,2-Trichloroethane | ND | | 6.0 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,1-Dichloroethane | ND | | 6.0 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,1-Dichloroethene | ND | | 6.0 | 0.63 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 6.0 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 12 | 1.6 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,2-Dichlorobenzene | ND | | 6.0 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,2-Dichloroethane | ND | | 6.0 | 0.41 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,2-Dichloropropane | ND | | 6.0 | 0.83 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,3-Dichlorobenzene | ND | | 6.0 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,4-Dichlorobenzene | ND | | 6.0 | 0.80 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 2-Hexanone | ND | | 24 | 0.76 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| **Acetone** | **47** | | 24 | 7.6 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Benzene | ND | | 6.0 | 0.28 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Bromoform | ND | | 6.0 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Bromomethane | ND | | 6.0 | 0.65 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Carbon disulfide | ND | | 6.0 | 0.53 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Carbon tetrachloride | ND | | 6.0 | 0.45 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Chlorobenzene | ND | | 6.0 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Chloroethane | ND | | 6.0 | 1.0 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Chloroform | ND | | 6.0 | 0.35 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Chloromethane | ND | | 6.0 | 0.50 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| cis-1,2-Dichloroethene | ND | | 6.0 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| cis-1,3-Dichloropropene | ND | | 6.0 | 0.41 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Cyclohexane | ND | | 12 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Bromodichloromethane | ND | | 6.0 | 0.34 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Dichlorodifluoromethane | ND | | 6.0 | 0.60 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Ethylbenzene | ND | | 6.0 | 0.31 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 1,2-Dibromoethane | ND | | 6.0 | 0.60 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Isopropylbenzene | ND | | 6.0 | 0.19 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Methyl acetate | ND | | 12 | 1.7 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| **2-Butanone** | **11** | **J** | 24 | 1.7 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| 4-Methyl-2-pentanone | ND | | 24 | 0.65 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Methyl tert-butyl ether | ND | | 6.0 | 0.52 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Methylene Chloride | ND | | 6.0 | 0.81 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Styrene | ND | | 6.0 | 0.18 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Tetrachloroethene | ND | | 6.0 | 0.63 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Toluene | ND | | 6.0 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| trans-1,2-Dichloroethene | ND | | 6.0 | 0.50 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| trans-1,3-Dichloropropene | ND | | 6.0 | 0.65 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Trichloroethene | ND | | 6.0 | 0.51 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Trichlorofluoromethane | ND | | 6.0 | 0.41 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Vinyl chloride | ND | | 6.0 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Xylenes, Total | ND | | 12 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Methylcyclohexane | ND | | 12 | 0.37 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |
| Dibromochloromethane | ND | | 6.0 | 0.66 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 05:39 | 1 |

**Client Sample ID: SBFH3-10/12**
**Date Collected: 11/25/13 13:55**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-6**
**Matrix: Solid**
**Percent Solids: 74.2**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *58 - 123* | *11/26/13 16:45* | *11/30/13 05:39* | *1* |
| *4-Bromofluorobenzene (Surr)* | *92* | | *52 - 136* | *11/26/13 16:45* | *11/30/13 05:39* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *67 - 125* | *11/26/13 16:45* | *11/30/13 05:39* | *1* |
| *Dibromofluoromethane (Surr)* | *95* | | *37 - 132* | *11/26/13 16:45* | *11/30/13 05:39* | *1* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzo[a]anthracene** | **7.1** | **J** | 9.0 | 0.85 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| **Benzo[a]pyrene** | **8.2** | **J** | 9.0 | 0.86 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| **Benzo[b]fluoranthene** | **9.1** | | 9.0 | 0.80 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| **Benzo[g,h,i]perylene** | **5.4** | **J** | 9.0 | 0.47 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| Benzo[k]fluoranthene | ND | | 9.0 | 0.92 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| Anthracene | ND | | 9.0 | 1.1 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| **Chrysene** | **4.6** | **J** | 9.0 | 1.5 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| Dibenz(a,h)anthracene | ND | | 9.0 | 0.89 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| **Fluoranthene** | **16** | | 9.0 | 0.74 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| Fluorene | ND | | 9.0 | 0.72 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 9.0 | 0.47 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| Phenanthrene | ND | | 9.0 | 0.99 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| **Pyrene** | **10** | | 9.0 | 0.59 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| Acenaphthene | ND | | 9.0 | 1.0 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| Acenaphthylene | ND | | 9.0 | 0.47 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |
| Naphthalene | ND | | 9.0 | 1.1 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 17:30 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *76* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 17:30* | *1* |
| *2-Fluorophenol (Surr)* | *85* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 17:30* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *61* | | *10 - 110* | *12/03/13 09:14* | *12/05/13 17:30* | *1* |
| *Nitrobenzene-d5 (Surr)* | *74* | | *20 - 110* | *12/03/13 09:14* | *12/05/13 17:30* | *1* |
| *Phenol-d5 (Surr)* | *83* | | *26 - 110* | *12/03/13 09:14* | *12/05/13 17:30* | *1* |
| *Terphenyl-d14 (Surr)* | *104* | | *36 - 110* | *12/03/13 09:14* | *12/05/13 17:30* | *1* |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 44 | 28 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:26 | 1 |
| Aroclor-1221 | ND | | 44 | 22 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:26 | 1 |
| Aroclor-1232 | ND | | 44 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:26 | 1 |
| Aroclor-1242 | ND | | 44 | 18 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:26 | 1 |
| Aroclor-1248 | ND | | 44 | 23 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:26 | 1 |
| Aroclor-1254 | ND | | 44 | 23 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:26 | 1 |
| Aroclor-1260 | ND | | 44 | 23 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:26 | 1 |
| Aroclor-1262 | ND | | 44 | 36 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:26 | 1 |
| Aroclor-1268 | ND | | 44 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:26 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *Tetrachloro-m-xylene* | *71* | | *29 - 151* | *12/03/13 10:08* | *12/06/13 14:26* | *1* |
| *DCB Decachlorobiphenyl* | *70* | | *14 - 163* | *12/03/13 10:08* | *12/06/13 14:26* | *1* |

## Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Barium** | **140** | | 25 | 0.088 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:57 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH3-10/12**
**Date Collected: 11/25/13 13:55**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-6**
**Matrix: Solid**
**Percent Solids: 74.2**

### Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | 0.12 | J | 0.25 | 0.045 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:57 | 1 |
| Chromium | 14 | | 0.62 | 0.25 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:57 | 1 |
| Silver | ND | | 0.62 | 0.12 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:57 | 1 |
| Arsenic | 1.6 | | 1.2 | 0.37 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:57 | 1 |
| Lead | 13 | | 0.37 | 0.23 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:57 | 1 |
| Selenium | ND | | 0.62 | 0.56 | mg/Kg | ☼ | 11/27/13 10:27 | 12/02/13 13:57 | 1 |

### Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.047 | J | 0.14 | 0.021 | mg/Kg | ☼ | 11/27/13 13:55 | 11/29/13 14:28 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH4-0/2**
**Date Collected: 11/25/13 15:35**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-7**
**Matrix: Solid**
**Percent Solids: 83.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 6.9 | 0.77 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 6.9 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 6.9 | 1.8 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,1,2-Trichloroethane | ND | | 6.9 | 0.54 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,1-Dichloroethane | ND | | 6.9 | 0.49 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,1-Dichloroethene | ND | | 6.9 | 0.71 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 6.9 | 0.37 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 14 | 1.8 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,2-Dichlorobenzene | ND | | 6.9 | 0.49 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,2-Dichloroethane | ND | | 6.9 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,2-Dichloropropane | ND | | 6.9 | 0.95 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,3-Dichlorobenzene | ND | | 6.9 | 0.48 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,4-Dichlorobenzene | ND | | 6.9 | 0.91 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 2-Hexanone | ND | | 27 | 0.86 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Acetone | ND | | 27 | 8.6 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Benzene | ND | | 6.9 | 0.32 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Bromoform | ND | | 6.9 | 0.45 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Bromomethane | ND | | 6.9 | 0.74 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Carbon disulfide | ND | | 6.9 | 0.60 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Carbon tetrachloride | ND | | 6.9 | 0.51 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Chlorobenzene | ND | | 6.9 | 0.45 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Chloroethane | ND | | 6.9 | 1.2 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Chloroform | ND | | 6.9 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Chloromethane | ND | | 6.9 | 0.56 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| cis-1,2-Dichloroethene | ND | | 6.9 | 0.49 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| cis-1,3-Dichloropropene | ND | | 6.9 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Cyclohexane | ND | | 14 | 0.45 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Bromodichloromethane | ND | | 6.9 | 0.38 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Dichlorodifluoromethane | ND | | 6.9 | 0.69 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Ethylbenzene | ND | | 6.9 | 0.36 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 1,2-Dibromoethane | ND | | 6.9 | 0.69 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Isopropylbenzene | ND | | 6.9 | 0.22 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Methyl acetate | ND | | 14 | 1.9 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 2-Butanone | ND | | 27 | 1.9 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| 4-Methyl-2-pentanone | ND | | 27 | 0.74 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Methyl tert-butyl ether | ND | | 6.9 | 0.59 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Methylene Chloride | ND | | 6.9 | 0.92 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Styrene | ND | | 6.9 | 0.21 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Tetrachloroethene | ND | | 6.9 | 0.71 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Toluene | ND | | 6.9 | 0.37 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| trans-1,2-Dichloroethene | ND | | 6.9 | 0.56 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| trans-1,3-Dichloropropene | ND | | 6.9 | 0.74 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Trichloroethene | ND | | 6.9 | 0.58 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Trichlorofluoromethane | ND | | 6.9 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Vinyl chloride | ND | | 6.9 | 0.54 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Xylenes, Total | ND | | 14 | 0.48 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Methylcyclohexane | ND | | 14 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |
| Dibromochloromethane | ND | | 6.9 | 0.75 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:00 | 1 |

**Client Sample ID: SBFH4-0/2**
**Date Collected: 11/25/13 15:35**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-7**
**Matrix: Solid**
**Percent Solids: 83.4**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *102* | | *58 - 123* | *11/26/13 16:45* | *11/30/13 06:00* | *1* |
| *4-Bromofluorobenzene (Surr)* | *93* | | *52 - 136* | *11/26/13 16:45* | *11/30/13 06:00* | *1* |
| *Toluene-d8 (Surr)* | *106* | | *67 - 125* | *11/26/13 16:45* | *11/30/13 06:00* | *1* |
| *Dibromofluoromethane (Surr)* | *100* | | *37 - 132* | *11/26/13 16:45* | *11/30/13 06:00* | *1* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzo[a]anthracene** | **110** | | 8.0 | 0.76 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Benzo[a]pyrene** | **160** | | 8.0 | 0.77 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Benzo[b]fluoranthene** | **270** | | 8.0 | 0.71 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Benzo[g,h,i]perylene** | **110** | | 8.0 | 0.42 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Benzo[k]fluoranthene** | **90** | | 8.0 | 0.82 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Anthracene** | **22** | | 8.0 | 0.94 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Chrysene** | **160** | | 8.0 | 1.3 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Dibenz(a,h)anthracene** | **22** | | 8.0 | 0.79 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Fluoranthene** | **260** | | 8.0 | 0.66 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Fluorene** | **6.5** | **J** | 8.0 | 0.64 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Indeno[1,2,3-cd]pyrene** | **89** | | 8.0 | 0.42 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Phenanthrene** | **96** | | 8.0 | 0.88 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Pyrene** | **220** | | 8.0 | 0.53 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Acenaphthene** | **5.9** | **J** | 8.0 | 0.91 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Acenaphthylene** | **17** | | 8.0 | 0.42 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |
| **Naphthalene** | **6.3** | **J** | 8.0 | 0.98 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *70* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 19:27* | *1* |
| *2-Fluorophenol (Surr)* | *59* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 19:27* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *48* | | *10 - 110* | *12/03/13 09:14* | *12/05/13 19:27* | *1* |
| *Nitrobenzene-d5 (Surr)* | *60* | | *20 - 110* | *12/03/13 09:14* | *12/05/13 19:27* | *1* |
| *Phenol-d5 (Surr)* | *69* | | *26 - 110* | *12/03/13 09:14* | *12/05/13 19:27* | *1* |
| *Terphenyl-d14 (Surr)* | *99* | | *36 - 110* | *12/03/13 09:14* | *12/05/13 19:27* | *1* |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 39 | 25 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:42 | 1 |
| Aroclor-1221 | ND | | 39 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:42 | 1 |
| Aroclor-1232 | ND | | 39 | 17 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:42 | 1 |
| Aroclor-1242 | ND | | 39 | 15 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:42 | 1 |
| Aroclor-1248 | ND | | 39 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:42 | 1 |
| Aroclor-1254 | ND | | 39 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:42 | 1 |
| Aroclor-1260 | ND | | 39 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:42 | 1 |
| Aroclor-1262 | ND | | 39 | 32 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:42 | 1 |
| Aroclor-1268 | ND | | 39 | 17 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tetrachloro-m-xylene* | *76* | | *29 - 151* | *12/03/13 10:08* | *12/06/13 14:42* | *1* |
| *DCB Decachlorobiphenyl* | *72* | | *14 - 163* | *12/03/13 10:08* | *12/06/13 14:42* | *1* |

## Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Barium** | **55** | | 21 | 0.075 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:14 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH4-0/2**
**Date Collected: 11/25/13 15:35**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-7**
**Matrix: Solid**
**Percent Solids: 83.4**

### Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | 0.34 | | 0.21 | 0.038 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:14 | 1 |
| Chromium | 12 | | 0.53 | 0.21 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:14 | 1 |
| Silver | ND | | 0.53 | 0.11 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:14 | 1 |
| Arsenic | 7.9 | | 1.1 | 0.32 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:14 | 1 |
| Lead | 26 | | 0.32 | 0.20 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:14 | 1 |
| Selenium | ND | | 0.53 | 0.48 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:14 | 1 |

### Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.042 | J | 0.13 | 0.020 | mg/Kg | ☼ | 11/27/13 13:55 | 11/29/13 14:36 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH5-0/2**
**Date Collected: 11/25/13 15:50**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-8**
**Matrix: Solid**
**Percent Solids: 87.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 7.7 | 0.87 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 7.7 | 0.53 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 7.7 | 2.0 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,1,2-Trichloroethane | ND | | 7.7 | 0.60 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,1-Dichloroethane | ND | | 7.7 | 0.56 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,1-Dichloroethene | ND | | 7.7 | 0.80 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 7.7 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 15 | 2.0 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,2-Dichlorobenzene | ND | | 7.7 | 0.56 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,2-Dichloroethane | ND | | 7.7 | 0.53 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,2-Dichloropropane | ND | | 7.7 | 1.1 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,3-Dichlorobenzene | ND | | 7.7 | 0.54 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,4-Dichlorobenzene | ND | | 7.7 | 1.0 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 2-Hexanone | ND | | 31 | 0.97 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Acetone | ND | | 31 | 9.7 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Benzene | ND | | 7.7 | 0.36 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Bromoform | ND | | 7.7 | 0.51 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Bromomethane | ND | | 7.7 | 0.84 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Carbon disulfide | ND | | 7.7 | 0.68 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Carbon tetrachloride | ND | | 7.7 | 0.57 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Chlorobenzene | ND | | 7.7 | 0.51 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Chloroethane | ND | | 7.7 | 1.3 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Chloroform | ND | | 7.7 | 0.45 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Chloromethane | ND | | 7.7 | 0.63 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| cis-1,2-Dichloroethene | ND | | 7.7 | 0.56 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| cis-1,3-Dichloropropene | ND | | 7.7 | 0.53 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Cyclohexane | ND | | 15 | 0.51 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Bromodichloromethane | ND | | 7.7 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Dichlorodifluoromethane | ND | | 7.7 | 0.77 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Ethylbenzene | ND | | 7.7 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 1,2-Dibromoethane | ND | | 7.7 | 0.77 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Isopropylbenzene | ND | | 7.7 | 0.25 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Methyl acetate | ND | | 15 | 2.2 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 2-Butanone | ND | | 31 | 2.2 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 4-Methyl-2-pentanone | ND | | 31 | 0.84 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Methyl tert-butyl ether | ND | | 7.7 | 0.67 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| **Methylene Chloride** | **3.1** | **J** | 7.7 | 1.0 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Styrene | ND | | 7.7 | 0.23 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Tetrachloroethene | ND | | 7.7 | 0.80 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Toluene | ND | | 7.7 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| trans-1,2-Dichloroethene | ND | | 7.7 | 0.63 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| trans-1,3-Dichloropropene | ND | | 7.7 | 0.84 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Trichloroethene | ND | | 7.7 | 0.65 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Trichlorofluoromethane | ND | | 7.7 | 0.53 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Vinyl chloride | ND | | 7.7 | 0.60 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Xylenes, Total | ND | | 15 | 0.54 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Methylcyclohexane | ND | | 15 | 0.48 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Dibromochloromethane | ND | | 7.7 | 0.85 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:21 | 1 |

**Client Sample ID: SBFH5-0/2**
**Date Collected: 11/25/13 15:50**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-8**
**Matrix: Solid**
**Percent Solids: 87.9**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 58 - 123 | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| 4-Bromofluorobenzene (Surr) | 84 | | 52 - 136 | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Toluene-d8 (Surr) | 105 | | 67 - 125 | 11/26/13 16:45 | 11/30/13 06:21 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 37 - 132 | 11/26/13 16:45 | 11/30/13 06:21 | 1 |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzo[a]anthracene** | **9.0** | | 7.5 | 0.71 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| **Benzo[a]pyrene** | **11** | | 7.5 | 0.72 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| **Benzo[b]fluoranthene** | **18** | | 7.5 | 0.66 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| **Benzo[g,h,i]perylene** | **9.1** | | 7.5 | 0.39 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| **Benzo[k]fluoranthene** | **5.0** | **J** | 7.5 | 0.76 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| Anthracene | ND | | 7.5 | 0.88 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| **Chrysene** | **11** | | 7.5 | 1.2 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| Dibenz(a,h)anthracene | ND | | 7.5 | 0.74 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| **Fluoranthene** | **18** | | 7.5 | 0.62 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| Fluorene | ND | | 7.5 | 0.60 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| **Indeno[1,2,3-cd]pyrene** | **7.6** | | 7.5 | 0.39 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| **Phenanthrene** | **6.3** | **J** | 7.5 | 0.82 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| **Pyrene** | **16** | | 7.5 | 0.49 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| Acenaphthene | ND | | 7.5 | 0.85 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| Acenaphthylene | ND | | 7.5 | 0.39 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| Naphthalene | ND | | 7.5 | 0.92 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 18:41 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl (Surr) | 82 | | 24 - 110 | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| 2-Fluorophenol (Surr) | 78 | | 24 - 110 | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| 2,4,6-Tribromophenol (Surr) | 70 | | 10 - 110 | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| Nitrobenzene-d5 (Surr) | 75 | | 20 - 110 | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| Phenol-d5 (Surr) | 83 | | 26 - 110 | 12/03/13 09:14 | 12/05/13 18:41 | 1 |
| Terphenyl-d14 (Surr) | 123 | X | 36 - 110 | 12/03/13 09:14 | 12/05/13 18:41 | 1 |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 37 | 24 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:57 | 1 |
| Aroclor-1221 | ND | | 37 | 18 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:57 | 1 |
| Aroclor-1232 | ND | | 37 | 16 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:57 | 1 |
| Aroclor-1242 | ND | | 37 | 15 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:57 | 1 |
| Aroclor-1248 | ND | | 37 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:57 | 1 |
| Aroclor-1254 | ND | | 37 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:57 | 1 |
| Aroclor-1260 | ND | | 37 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:57 | 1 |
| Aroclor-1262 | ND | | 37 | 30 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:57 | 1 |
| Aroclor-1268 | ND | | 37 | 16 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 14:57 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 82 | | 29 - 151 | 12/03/13 10:08 | 12/06/13 14:57 | 1 |
| DCB Decachlorobiphenyl | 71 | | 14 - 163 | 12/03/13 10:08 | 12/06/13 14:57 | 1 |

## Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Barium** | **51** | | 21 | 0.073 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:19 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH5-0/2**
**Date Collected: 11/25/13 15:50**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-8**
**Matrix: Solid**
**Percent Solids: 87.9**

### Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | 0.16 | J | 0.21 | 0.037 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:19 | 1 |
| Chromium | 10 | | 0.52 | 0.21 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:19 | 1 |
| Silver | ND | | 0.52 | 0.10 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:19 | 1 |
| Arsenic | 6.8 | | 1.0 | 0.31 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:19 | 1 |
| Lead | 7.9 | | 0.31 | 0.20 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:19 | 1 |
| Selenium | ND | | 0.52 | 0.47 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:19 | 1 |

### Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.021 | J | 0.10 | 0.015 | mg/Kg | ☼ | 11/27/13 13:55 | 11/29/13 14:38 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH6-0/2**
**Date Collected: 11/25/13 16:00**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-9**
**Matrix: Solid**
**Percent Solids: 80.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 6.7 | 0.75 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 6.7 | 0.46 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 6.7 | 1.7 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,1,2-Trichloroethane | ND | | 6.7 | 0.52 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,1-Dichloroethane | ND | | 6.7 | 0.48 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,1-Dichloroethene | ND | | 6.7 | 0.70 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 6.7 | 0.36 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 13 | 1.7 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,2-Dichlorobenzene | ND | | 6.7 | 0.48 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,2-Dichloroethane | ND | | 6.7 | 0.46 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,2-Dichloropropane | ND | | 6.7 | 0.92 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,3-Dichlorobenzene | ND | | 6.7 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,4-Dichlorobenzene | ND | | 6.7 | 0.88 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 2-Hexanone | ND | | 27 | 0.84 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Acetone | ND | | 27 | 8.4 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Benzene | ND | | 6.7 | 0.31 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Bromoform | ND | | 6.7 | 0.44 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Bromomethane | ND | | 6.7 | 0.72 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Carbon disulfide | ND | | 6.7 | 0.59 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Carbon tetrachloride | ND | | 6.7 | 0.50 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Chlorobenzene | ND | | 6.7 | 0.44 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Chloroethane | ND | | 6.7 | 1.2 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Chloroform | ND | | 6.7 | 0.39 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Chloromethane | ND | | 6.7 | 0.55 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| cis-1,2-Dichloroethene | ND | | 6.7 | 0.48 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| cis-1,3-Dichloropropene | ND | | 6.7 | 0.46 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Cyclohexane | ND | | 13 | 0.44 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Bromodichloromethane | ND | | 6.7 | 0.37 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Dichlorodifluoromethane | ND | | 6.7 | 0.67 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Ethylbenzene | ND | | 6.7 | 0.35 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 1,2-Dibromoethane | ND | | 6.7 | 0.67 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Isopropylbenzene | ND | | 6.7 | 0.21 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Methyl acetate | ND | | 13 | 1.9 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 2-Butanone | ND | | 27 | 1.9 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| 4-Methyl-2-pentanone | ND | | 27 | 0.72 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Methyl tert-butyl ether | ND | | 6.7 | 0.58 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Methylene Chloride | ND | | 6.7 | 0.90 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Styrene | ND | | 6.7 | 0.20 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Tetrachloroethene | ND | | 6.7 | 0.70 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Toluene | ND | | 6.7 | 0.36 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| trans-1,2-Dichloroethene | ND | | 6.7 | 0.55 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| trans-1,3-Dichloropropene | ND | | 6.7 | 0.72 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Trichloroethene | ND | | 6.7 | 0.56 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Trichlorofluoromethane | ND | | 6.7 | 0.46 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Vinyl chloride | ND | | 6.7 | 0.52 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Xylenes, Total | ND | | 13 | 0.47 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Methylcyclohexane | ND | | 13 | 0.41 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |
| Dibromochloromethane | ND | | 6.7 | 0.74 | ug/Kg | ☼ | 11/26/13 16:45 | 11/30/13 06:42 | 1 |

**Client Sample ID: SBFH6-0/2**
**Date Collected: 11/25/13 16:00**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-9**
**Matrix: Solid**
**Percent Solids: 80.2**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *58 - 123* | *11/26/13 16:45* | *11/30/13 06:42* | *1* |
| *4-Bromofluorobenzene (Surr)* | *95* | | *52 - 136* | *11/26/13 16:45* | *11/30/13 06:42* | *1* |
| *Toluene-d8 (Surr)* | *100* | | *67 - 125* | *11/26/13 16:45* | *11/30/13 06:42* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *37 - 132* | *11/26/13 16:45* | *11/30/13 06:42* | *1* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzo[a]anthracene** | **40** | | 8.3 | 0.78 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| **Benzo[a]pyrene** | **54** | | 8.3 | 0.79 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| **Benzo[b]fluoranthene** | **84** | | 8.3 | 0.73 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| **Benzo[g,h,i]perylene** | **27** | | 8.3 | 0.43 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| **Benzo[k]fluoranthene** | **29** | | 8.3 | 0.84 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| **Anthracene** | **5.8** | **J** | 8.3 | 0.97 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| **Chrysene** | **62** | | 8.3 | 1.4 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| Dibenz(a,h)anthracene | ND | | 8.3 | 0.82 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| **Fluoranthene** | **93** | | 8.3 | 0.68 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| Fluorene | ND | | 8.3 | 0.66 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| **Indeno[1,2,3-cd]pyrene** | **25** | | 8.3 | 0.43 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| **Phenanthrene** | **31** | | 8.3 | 0.90 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| **Pyrene** | **83** | | 8.3 | 0.54 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| Acenaphthene | ND | | 8.3 | 0.94 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| Acenaphthylene | ND | | 8.3 | 0.43 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |
| Naphthalene | ND | | 8.3 | 1.0 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 19:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *71* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 19:51* | *1* |
| *2-Fluorophenol (Surr)* | *66* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 19:51* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *59* | | *10 - 110* | *12/03/13 09:14* | *12/05/13 19:51* | *1* |
| *Nitrobenzene-d5 (Surr)* | *61* | | *20 - 110* | *12/03/13 09:14* | *12/05/13 19:51* | *1* |
| *Phenol-d5 (Surr)* | *70* | | *26 - 110* | *12/03/13 09:14* | *12/05/13 19:51* | *1* |
| *Terphenyl-d14 (Surr)* | *102* | | *36 - 110* | *12/03/13 09:14* | *12/05/13 19:51* | *1* |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 41 | 26 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:12 | 1 |
| Aroclor-1221 | ND | | 41 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:12 | 1 |
| Aroclor-1232 | ND | | 41 | 17 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:12 | 1 |
| Aroclor-1242 | ND | | 41 | 16 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:12 | 1 |
| Aroclor-1248 | ND | | 41 | 21 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:12 | 1 |
| Aroclor-1254 | ND | | 41 | 21 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:12 | 1 |
| Aroclor-1260 | ND | | 41 | 21 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:12 | 1 |
| Aroclor-1262 | ND | | 41 | 33 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:12 | 1 |
| Aroclor-1268 | ND | | 41 | 17 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tetrachloro-m-xylene* | *82* | | *29 - 151* | *12/03/13 10:08* | *12/06/13 15:12* | *1* |
| *DCB Decachlorobiphenyl* | *73* | | *14 - 163* | *12/03/13 10:08* | *12/06/13 15:12* | *1* |

## Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Barium** | **120** | | 22 | 0.077 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:23 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH6-0/2**
**Date Collected: 11/25/13 16:00**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-9**
**Matrix: Solid**
**Percent Solids: 80.2**

### Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | 0.22 | | 0.22 | 0.039 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:23 | 1 |
| Chromium | 16 | | 0.54 | 0.22 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:23 | 1 |
| Silver | ND | | 0.54 | 0.11 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:23 | 1 |
| Arsenic | 11 | | 1.1 | 0.33 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:23 | 1 |
| Lead | 14 | | 0.33 | 0.21 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:23 | 1 |
| Selenium | ND | | 0.54 | 0.49 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:23 | 1 |

### Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.041 | J | 0.12 | 0.018 | mg/Kg | ☼ | 11/27/13 13:55 | 11/29/13 14:40 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH7-0/2**
**Date Collected: 11/25/13 16:15**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-10**
**Matrix: Solid**
**Percent Solids: 83.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 6.1 | 0.69 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 6.1 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 6.1 | 1.6 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,1,2-Trichloroethane | ND | | 6.1 | 0.48 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,1-Dichloroethane | ND | | 6.1 | 0.44 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,1-Dichloroethene | ND | | 6.1 | 0.64 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 6.1 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 12 | 1.6 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,2-Dichlorobenzene | ND | | 6.1 | 0.44 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,2-Dichloroethane | ND | | 6.1 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,2-Dichloropropane | ND | | 6.1 | 0.85 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,3-Dichlorobenzene | ND | | 6.1 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,4-Dichlorobenzene | ND | | 6.1 | 0.81 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 2-Hexanone | ND | | 25 | 0.77 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Acetone | ND | | 25 | 7.7 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Benzene | ND | | 6.1 | 0.28 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Bromoform | ND | | 6.1 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Bromomethane | ND | | 6.1 | 0.66 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Carbon disulfide | ND | | 6.1 | 0.54 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Carbon tetrachloride | ND | | 6.1 | 0.45 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Chlorobenzene | ND | | 6.1 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Chloroethane | ND | | 6.1 | 1.1 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Chloroform | ND | | 6.1 | 0.36 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Chloromethane | ND | | 6.1 | 0.50 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| cis-1,2-Dichloroethene | ND | | 6.1 | 0.44 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| cis-1,3-Dichloropropene | ND | | 6.1 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Cyclohexane | ND | * | 12 | 0.40 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Bromodichloromethane | ND | | 6.1 | 0.34 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Dichlorodifluoromethane | ND | | 6.1 | 0.61 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Ethylbenzene | ND | | 6.1 | 0.32 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 1,2-Dibromoethane | ND | | 6.1 | 0.61 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Isopropylbenzene | ND | | 6.1 | 0.20 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Methyl acetate | ND | | 12 | 1.7 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 2-Butanone | ND | | 25 | 1.7 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 4-Methyl-2-pentanone | ND | | 25 | 0.66 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Methyl tert-butyl ether | ND | | 6.1 | 0.53 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Methylene Chloride | ND | | 6.1 | 0.82 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Styrene | ND | | 6.1 | 0.18 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Tetrachloroethene | ND | | 6.1 | 0.64 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Toluene | ND | | 6.1 | 0.33 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| trans-1,2-Dichloroethene | ND | | 6.1 | 0.50 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| trans-1,3-Dichloropropene | ND | | 6.1 | 0.66 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Trichloroethene | ND | | 6.1 | 0.52 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Trichlorofluoromethane | ND | | 6.1 | 0.42 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Vinyl chloride | ND | | 6.1 | 0.48 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Xylenes, Total | ND | | 12 | 0.43 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Methylcyclohexane | ND | | 12 | 0.38 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Dibromochloromethane | ND | | 6.1 | 0.67 | ug/Kg | ☼ | 11/26/13 16:45 | 12/01/13 04:45 | 1 |

**Client Sample ID: SBFH7-0/2**
**Date Collected: 11/25/13 16:15**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-10**
**Matrix: Solid**
**Percent Solids: 83.5**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 109 | | 58 - 123 | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| 4-Bromofluorobenzene (Surr) | 98 | | 52 - 136 | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Toluene-d8 (Surr) | 107 | | 67 - 125 | 11/26/13 16:45 | 12/01/13 04:45 | 1 |
| Dibromofluoromethane (Surr) | 102 | | 37 - 132 | 11/26/13 16:45 | 12/01/13 04:45 | 1 |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | 81 | | 8.0 | 0.75 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Benzo[a]pyrene | 110 | | 8.0 | 0.77 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Benzo[b]fluoranthene | 170 | | 8.0 | 0.71 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Benzo[g,h,i]perylene | 62 | | 8.0 | 0.42 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Benzo[k]fluoranthene | 59 | | 8.0 | 0.81 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Anthracene | 9.4 | | 8.0 | 0.93 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Chrysene | 110 | | 8.0 | 1.3 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Dibenz(a,h)anthracene | ND | | 8.0 | 0.79 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Fluoranthene | 170 | | 8.0 | 0.66 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Fluorene | ND | | 8.0 | 0.63 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Indeno[1,2,3-cd]pyrene | 55 | | 8.0 | 0.42 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Phenanthrene | 55 | | 8.0 | 0.87 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Pyrene | 150 | | 8.0 | 0.53 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Acenaphthene | ND | | 8.0 | 0.91 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Acenaphthylene | 5.1 | J | 8.0 | 0.42 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Naphthalene | ND | | 8.0 | 0.98 | ug/Kg | ☼ | 12/03/13 09:14 | 12/05/13 20:14 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl (Surr) | 68 | | 24 - 110 | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| 2-Fluorophenol (Surr) | 69 | | 24 - 110 | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| 2,4,6-Tribromophenol (Surr) | 54 | | 10 - 110 | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Nitrobenzene-d5 (Surr) | 69 | | 20 - 110 | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Phenol-d5 (Surr) | 74 | | 26 - 110 | 12/03/13 09:14 | 12/05/13 20:14 | 1 |
| Terphenyl-d14 (Surr) | 99 | | 36 - 110 | 12/03/13 09:14 | 12/05/13 20:14 | 1 |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 40 | 25 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:27 | 1 |
| Aroclor-1221 | ND | | 40 | 19 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:27 | 1 |
| Aroclor-1232 | ND | | 40 | 17 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:27 | 1 |
| Aroclor-1242 | ND | | 40 | 16 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:27 | 1 |
| Aroclor-1248 | ND | | 40 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:27 | 1 |
| Aroclor-1254 | ND | | 40 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:27 | 1 |
| Aroclor-1260 | ND | | 40 | 20 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:27 | 1 |
| Aroclor-1262 | ND | | 40 | 32 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:27 | 1 |
| Aroclor-1268 | ND | | 40 | 17 | ug/Kg | ☼ | 12/03/13 10:08 | 12/06/13 15:27 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 98 | | 29 - 151 | 12/03/13 10:08 | 12/06/13 15:27 | 1 |
| DCB Decachlorobiphenyl | 79 | | 14 - 163 | 12/03/13 10:08 | 12/06/13 15:27 | 1 |

## Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 77 | | 23 | 0.080 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:35 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH7-0/2**
**Date Collected: 11/25/13 16:15**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-10**
**Matrix: Solid**
**Percent Solids: 83.5**

### Method: 6010B - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | 0.25 | | 0.23 | 0.041 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:35 | 1 |
| Chromium | 11 | | 0.57 | 0.23 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:35 | 1 |
| Silver | ND | | 0.57 | 0.11 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:35 | 1 |
| Arsenic | 8.6 | | 1.1 | 0.34 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:35 | 1 |
| Lead | 13 | | 0.34 | 0.21 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:35 | 1 |
| Selenium | 0.74 | | 0.57 | 0.51 | mg/Kg | ☼ | 11/27/13 10:27 | 12/03/13 15:35 | 1 |

### Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.026 | J | 0.13 | 0.019 | mg/Kg | ☼ | 11/27/13 13:55 | 11/29/13 14:42 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY1-GW**
**Date Collected: 11/25/13 12:10**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-11**
**Matrix: Water**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Acetone** | **1.3** | **J B** | 10 | 1.1 | ug/L | | | 12/05/13 19:05 | 1 |
| **Benzene** | **0.14** | **J** | 1.0 | 0.13 | ug/L | | | 12/05/13 19:05 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:05 | 1 |
| Bromoform | ND | | 1.0 | 0.64 | ug/L | | | 12/05/13 19:05 | 1 |
| Bromomethane | ND | | 1.0 | 0.41 | ug/L | | | 12/05/13 19:05 | 1 |
| 2-Butanone | ND | | 10 | 0.57 | ug/L | | | 12/05/13 19:05 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:05 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:05 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:05 | 1 |
| Chloroethane | ND | | 1.0 | 0.29 | ug/L | | | 12/05/13 19:05 | 1 |
| Chloroform | ND | | 1.0 | 0.16 | ug/L | | | 12/05/13 19:05 | 1 |
| Chloromethane | ND | | 1.0 | 0.30 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 19:05 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 | ug/L | | | 12/05/13 19:05 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 19:05 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:05 | 1 |
| 2-Hexanone | ND | | 10 | 0.41 | ug/L | | | 12/05/13 19:05 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.33 | ug/L | | | 12/05/13 19:05 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.32 | ug/L | | | 12/05/13 19:05 | 1 |
| Styrene | ND | | 1.0 | 0.11 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 19:05 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.29 | ug/L | | | 12/05/13 19:05 | 1 |
| **Toluene** | **0.14** | **J B** | 1.0 | 0.13 | ug/L | | | 12/05/13 19:05 | 1 |
| Trichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:05 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 19:05 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.14 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 | ug/L | | | 12/05/13 19:05 | 1 |
| **Cyclohexane** | **0.13** | **J** | 1.0 | 0.12 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.24 | ug/L | | | 12/05/13 19:05 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.31 | ug/L | | | 12/05/13 19:05 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:05 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 19:05 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:05 | 1 |
| Methyl acetate | ND | | 10 | 0.38 | ug/L | | | 12/05/13 19:05 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 12/05/13 19:05 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:05 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.21 | ug/L | | | 12/05/13 19:05 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 19:05 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:05 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY1-GW**
**Date Collected: 11/25/13 12:10**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-11**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *63 - 129* | | *12/05/13 19:05* | *1* |
| *4-Bromofluorobenzene (Surr)* | *91* | | *66 - 117* | | *12/05/13 19:05* | *1* |
| *Toluene-d8 (Surr)* | *89* | | *74 - 115* | | *12/05/13 19:05* | *1* |
| *Dibromofluoromethane (Surr)* | *90* | | *75 - 121* | | *12/05/13 19:05* | *1* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Acenaphthene** | **0.14** | **J** | 0.22 | 0.048 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| Acenaphthylene | ND | | 0.22 | 0.022 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| **Anthracene** | **0.13** | **J** | 0.22 | 0.034 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| Benzo[a]anthracene | ND | | 0.22 | 0.064 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| Benzo[b]fluoranthene | ND | | 0.22 | 0.064 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| Benzo[k]fluoranthene | ND | | 0.22 | 0.052 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.22 | 0.054 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| Benzo[a]pyrene | ND | | 0.22 | 0.033 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| **2-Chloronaphthalene** | **0.13** | **J** | 1.1 | 0.13 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| **2-Methylnaphthalene** | **0.13** | **J** | 0.22 | 0.040 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| **Fluoranthene** | **0.19** | **J** | 0.22 | 0.029 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| **Fluorene** | **0.14** | **J** | 0.22 | 0.037 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.22 | 0.052 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| **1-Methylnaphthalene** | **0.12** | **J** | 0.22 | 0.035 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| Naphthalene | ND | | 0.22 | 0.047 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| **Phenanthrene** | **0.21** | **J** | 0.22 | 0.034 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| **Pyrene** | **0.18** | **J** | 0.22 | 0.030 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| Chrysene | ND | | 0.22 | 0.038 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.22 | 0.043 | ug/L | | 11/27/13 10:14 | 12/02/13 16:26 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *78* | | *29 - 110* | *11/27/13 10:14* | *12/02/13 16:26* | *1* |
| *Nitrobenzene-d5 (Surr)* | *75* | | *31 - 110* | *11/27/13 10:14* | *12/02/13 16:26* | *1* |
| *Terphenyl-d14 (Surr)* | *99* | | *31 - 115* | *11/27/13 10:14* | *12/02/13 16:26* | *1* |

## Method: 6020 - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Silver** | **0.045** | **J** | 1.0 | 0.0083 | ug/L | | 12/03/13 08:24 | 12/04/13 12:07 | 1 |
| **Arsenic** | **9.3** | **B** | 5.0 | 0.063 | ug/L | | 12/03/13 08:24 | 12/04/13 12:07 | 1 |
| **Barium** | **280** | **B** | 5.0 | 0.32 | ug/L | | 12/03/13 08:24 | 12/04/13 12:07 | 1 |
| **Cadmium** | **0.25** | **J** | 1.0 | 0.026 | ug/L | | 12/03/13 08:24 | 12/04/13 12:07 | 1 |
| **Chromium** | **6.3** | **B** | 2.0 | 0.13 | ug/L | | 12/03/13 08:24 | 12/04/13 12:07 | 1 |
| **Lead** | **6.8** | **B** | 1.0 | 0.14 | ug/L | | 12/03/13 08:24 | 12/04/13 12:07 | 1 |
| **Selenium** | **1.2** | **J** | 5.0 | 0.34 | ug/L | | 12/03/13 08:24 | 12/04/13 12:07 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.12 | ug/L | | 12/03/13 14:35 | 12/04/13 13:03 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY2-GW**
**Date Collected: 11/25/13 11:50**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-12**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 1.1 | ug/L | | | 12/05/13 19:27 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:27 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:27 | 1 |
| Bromoform | ND | | 1.0 | 0.64 | ug/L | | | 12/05/13 19:27 | 1 |
| Bromomethane | ND | | 1.0 | 0.41 | ug/L | | | 12/05/13 19:27 | 1 |
| 2-Butanone | ND | | 10 | 0.57 | ug/L | | | 12/05/13 19:27 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:27 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:27 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:27 | 1 |
| Chloroethane | ND | | 1.0 | 0.29 | ug/L | | | 12/05/13 19:27 | 1 |
| Chloroform | ND | | 1.0 | 0.16 | ug/L | | | 12/05/13 19:27 | 1 |
| Chloromethane | ND | | 1.0 | 0.30 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 19:27 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 | ug/L | | | 12/05/13 19:27 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 19:27 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:27 | 1 |
| 2-Hexanone | ND | | 10 | 0.41 | ug/L | | | 12/05/13 19:27 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.33 | ug/L | | | 12/05/13 19:27 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.32 | ug/L | | | 12/05/13 19:27 | 1 |
| Styrene | ND | | 1.0 | 0.11 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 19:27 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.29 | ug/L | | | 12/05/13 19:27 | 1 |
| Toluene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:27 | 1 |
| Trichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:27 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 19:27 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.14 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 | ug/L | | | 12/05/13 19:27 | 1 |
| Cyclohexane | ND | | 1.0 | 0.12 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.24 | ug/L | | | 12/05/13 19:27 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.31 | ug/L | | | 12/05/13 19:27 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:27 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 19:27 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:27 | 1 |
| Methyl acetate | ND | | 10 | 0.38 | ug/L | | | 12/05/13 19:27 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 12/05/13 19:27 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:27 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.21 | ug/L | | | 12/05/13 19:27 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 19:27 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:27 | 1 |

**Client Sample ID: SBSY2-GW**
**Date Collected: 11/25/13 11:50**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-12**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *63 - 129* | | *12/05/13 19:27* | *1* |
| *4-Bromofluorobenzene (Surr)* | *93* | | *66 - 117* | | *12/05/13 19:27* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *74 - 115* | | *12/05/13 19:27* | *1* |
| *Dibromofluoromethane (Surr)* | *88* | | *75 - 121* | | *12/05/13 19:27* | *1* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.23 | 0.050 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Acenaphthylene | ND | | 0.23 | 0.023 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Anthracene | ND | | 0.23 | 0.035 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Benzo[a]anthracene | ND | | 0.23 | 0.067 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Benzo[b]fluoranthene | ND | | 0.23 | 0.067 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Benzo[k]fluoranthene | ND | | 0.23 | 0.055 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.23 | 0.057 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Benzo[a]pyrene | ND | | 0.23 | 0.034 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| 2-Chloronaphthalene | ND | | 1.1 | 0.13 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| 2-Methylnaphthalene | ND | | 0.23 | 0.042 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Fluoranthene | ND | | 0.23 | 0.031 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Fluorene | ND | | 0.23 | 0.039 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.23 | 0.055 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| 1-Methylnaphthalene | ND | | 0.23 | 0.036 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Naphthalene | ND | | 0.23 | 0.049 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Phenanthrene | ND | | 0.23 | 0.035 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Pyrene | ND | | 0.23 | 0.032 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Chrysene | ND | | 0.23 | 0.040 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.23 | 0.045 | ug/L | | 11/27/13 10:14 | 12/02/13 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *69* | | *29 - 110* | *11/27/13 10:14* | *12/02/13 16:48* | *1* |
| *Nitrobenzene-d5 (Surr)* | *71* | | *31 - 110* | *11/27/13 10:14* | *12/02/13 16:48* | *1* |
| *Terphenyl-d14 (Surr)* | *96* | | *31 - 115* | *11/27/13 10:14* | *12/02/13 16:48* | *1* |

## Method: 6020 - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Silver** | **0.043** | **J** | 1.0 | 0.0083 | ug/L | | 12/03/13 08:24 | 12/04/13 12:38 | 1 |
| **Arsenic** | **3.9** | **J B** | 5.0 | 0.063 | ug/L | | 12/03/13 08:24 | 12/04/13 12:38 | 1 |
| **Barium** | **280** | **B** | 5.0 | 0.32 | ug/L | | 12/03/13 08:24 | 12/04/13 12:38 | 1 |
| **Cadmium** | **0.080** | **J** | 1.0 | 0.026 | ug/L | | 12/03/13 08:24 | 12/04/13 12:38 | 1 |
| **Chromium** | **4.8** | **B** | 2.0 | 0.13 | ug/L | | 12/03/13 08:24 | 12/04/13 12:38 | 1 |
| **Lead** | **6.1** | **B** | 1.0 | 0.14 | ug/L | | 12/03/13 08:24 | 12/04/13 12:38 | 1 |
| **Selenium** | **0.68** | **J** | 5.0 | 0.34 | ug/L | | 12/03/13 08:24 | 12/04/13 12:38 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.12 | ug/L | | 12/03/13 14:35 | 12/04/13 12:52 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY3-GW**
**Date Collected: 11/25/13 11:10**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-13**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 1.1 | ug/L | | | 12/05/13 19:49 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:49 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:49 | 1 |
| Bromoform | ND | | 1.0 | 0.64 | ug/L | | | 12/05/13 19:49 | 1 |
| Bromomethane | ND | | 1.0 | 0.41 | ug/L | | | 12/05/13 19:49 | 1 |
| 2-Butanone | ND | | 10 | 0.57 | ug/L | | | 12/05/13 19:49 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:49 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:49 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:49 | 1 |
| Chloroethane | ND | | 1.0 | 0.29 | ug/L | | | 12/05/13 19:49 | 1 |
| Chloroform | ND | | 1.0 | 0.16 | ug/L | | | 12/05/13 19:49 | 1 |
| Chloromethane | ND | | 1.0 | 0.30 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 19:49 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 | ug/L | | | 12/05/13 19:49 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 19:49 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:49 | 1 |
| 2-Hexanone | ND | | 10 | 0.41 | ug/L | | | 12/05/13 19:49 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.33 | ug/L | | | 12/05/13 19:49 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.32 | ug/L | | | 12/05/13 19:49 | 1 |
| Styrene | ND | | 1.0 | 0.11 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 19:49 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.29 | ug/L | | | 12/05/13 19:49 | 1 |
| **Toluene** | **0.21** | **J B** | 1.0 | 0.13 | ug/L | | | 12/05/13 19:49 | 1 |
| Trichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:49 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 19:49 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.14 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 | ug/L | | | 12/05/13 19:49 | 1 |
| **Cyclohexane** | **0.18** | **J** | 1.0 | 0.12 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.24 | ug/L | | | 12/05/13 19:49 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.31 | ug/L | | | 12/05/13 19:49 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:49 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 19:49 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:49 | 1 |
| Methyl acetate | ND | | 10 | 0.38 | ug/L | | | 12/05/13 19:49 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 12/05/13 19:49 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 19:49 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.21 | ug/L | | | 12/05/13 19:49 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 19:49 | 1 |
| **Methylcyclohexane** | **0.14** | **J** | 1.0 | 0.13 | ug/L | | | 12/05/13 19:49 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBSY3-GW**
**Date Collected: 11/25/13 11:10**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-13**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *63 - 129* | | *12/05/13 19:49* | *1* |
| *4-Bromofluorobenzene (Surr)* | *87* | | *66 - 117* | | *12/05/13 19:49* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *74 - 115* | | *12/05/13 19:49* | *1* |
| *Dibromofluoromethane (Surr)* | *90* | | *75 - 121* | | *12/05/13 19:49* | *1* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.19 | 0.042 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Acenaphthylene | ND | | 0.19 | 0.019 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Anthracene | ND | | 0.19 | 0.030 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Benzo[a]anthracene | ND | | 0.19 | 0.057 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Benzo[b]fluoranthene | ND | | 0.19 | 0.057 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Benzo[k]fluoranthene | ND | | 0.19 | 0.046 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.19 | 0.048 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Benzo[a]pyrene | ND | | 0.19 | 0.029 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| 2-Chloronaphthalene | ND | | 0.96 | 0.11 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| 2-Methylnaphthalene | ND | | 0.19 | 0.036 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Fluoranthene | ND | | 0.19 | 0.026 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Fluorene | ND | | 0.19 | 0.033 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.19 | 0.046 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| 1-Methylnaphthalene | ND | | 0.19 | 0.031 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Naphthalene | ND | | 0.19 | 0.041 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Phenanthrene | ND | | 0.19 | 0.030 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Pyrene | ND | | 0.19 | 0.027 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Chrysene | ND | | 0.19 | 0.034 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.19 | 0.038 | ug/L | | 11/27/13 10:14 | 12/02/13 17:10 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *75* | | *29 - 110* | *11/27/13 10:14* | *12/02/13 17:10* | *1* |
| *Nitrobenzene-d5 (Surr)* | *74* | | *31 - 110* | *11/27/13 10:14* | *12/02/13 17:10* | *1* |
| *Terphenyl-d14 (Surr)* | *87* | | *31 - 115* | *11/27/13 10:14* | *12/02/13 17:10* | *1* |

## Method: 6020 - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Silver** | **0.12** | **J** | 1.0 | 0.0083 | ug/L | | 12/03/13 08:24 | 12/04/13 12:50 | 1 |
| **Arsenic** | **5.3** | **B** | 5.0 | 0.063 | ug/L | | 12/03/13 08:24 | 12/04/13 12:50 | 1 |
| **Barium** | **200** | **B** | 5.0 | 0.32 | ug/L | | 12/03/13 08:24 | 12/04/13 12:50 | 1 |
| **Cadmium** | **0.11** | **J** | 1.0 | 0.026 | ug/L | | 12/03/13 08:24 | 12/04/13 12:50 | 1 |
| **Chromium** | **14** | **B** | 2.0 | 0.13 | ug/L | | 12/03/13 08:24 | 12/04/13 12:50 | 1 |
| **Lead** | **12** | **B** | 1.0 | 0.14 | ug/L | | 12/03/13 08:24 | 12/04/13 12:50 | 1 |
| **Selenium** | **2.0** | **J** | 5.0 | 0.34 | ug/L | | 12/03/13 08:24 | 12/04/13 12:50 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.12 | ug/L | | 12/03/13 14:35 | 12/04/13 13:05 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH1-GW** — **Lab Sample ID: 240-31868-14**
**Date Collected: 11/25/13 15:20** — **Matrix: Water**
**Date Received: 11/26/13 09:20**

### Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 1.1 | ug/L | | | 12/06/13 19:14 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 19:14 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 19:14 | 1 |
| Bromoform | ND | | 1.0 | 0.64 | ug/L | | | 12/06/13 19:14 | 1 |
| Bromomethane | ND | | 1.0 | 0.41 | ug/L | | | 12/06/13 19:14 | 1 |
| 2-Butanone | ND | | 10 | 0.57 | ug/L | | | 12/06/13 19:14 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 19:14 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 19:14 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 19:14 | 1 |
| Chloroethane | ND | | 1.0 | 0.29 | ug/L | | | 12/06/13 19:14 | 1 |
| Chloroform | ND | | 1.0 | 0.16 | ug/L | | | 12/06/13 19:14 | 1 |
| Chloromethane | ND | | 1.0 | 0.30 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 19:14 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 | ug/L | | | 12/06/13 19:14 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 19:14 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 19:14 | 1 |
| 2-Hexanone | ND | | 10 | 0.41 | ug/L | | | 12/06/13 19:14 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.33 | ug/L | | | 12/06/13 19:14 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.32 | ug/L | | | 12/06/13 19:14 | 1 |
| Styrene | ND | | 1.0 | 0.11 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 19:14 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.29 | ug/L | | | 12/06/13 19:14 | 1 |
| **Toluene** | **0.17** | **J B** | 1.0 | 0.13 | ug/L | | | 12/06/13 19:14 | 1 |
| Trichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 19:14 | 1 |
| **Vinyl chloride** | **2.6** | | 1.0 | 0.22 | ug/L | | | 12/06/13 19:14 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.14 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 | ug/L | | | 12/06/13 19:14 | 1 |
| **Cyclohexane** | **0.16** | **J** | 1.0 | 0.12 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.24 | ug/L | | | 12/06/13 19:14 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.31 | ug/L | | | 12/06/13 19:14 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 19:14 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 19:14 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 19:14 | 1 |
| Methyl acetate | ND | | 10 | 0.38 | ug/L | | | 12/06/13 19:14 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 12/06/13 19:14 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 19:14 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.21 | ug/L | | | 12/06/13 19:14 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 19:14 | 1 |
| **Methylcyclohexane** | **0.15** | **J** | 1.0 | 0.13 | ug/L | | | 12/06/13 19:14 | 1 |

**Client Sample ID: SBFH1-GW**
**Date Collected: 11/25/13 15:20**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-14**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *63 - 129* | | *12/06/13 19:14* | *1* |
| *4-Bromofluorobenzene (Surr)* | *94* | | *66 - 117* | | *12/06/13 19:14* | *1* |
| *Toluene-d8 (Surr)* | *89* | | *74 - 115* | | *12/06/13 19:14* | *1* |
| *Dibromofluoromethane (Surr)* | *91* | | *75 - 121* | | *12/06/13 19:14* | *1* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.20 | 0.044 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Acenaphthylene | ND | | 0.20 | 0.020 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Anthracene | ND | | 0.20 | 0.031 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Benzo[a]anthracene | ND | | 0.20 | 0.059 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Benzo[b]fluoranthene | ND | | 0.20 | 0.059 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Benzo[k]fluoranthene | ND | | 0.20 | 0.048 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.20 | 0.050 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Benzo[a]pyrene | ND | | 0.20 | 0.030 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| 2-Chloronaphthalene | ND | | 1.0 | 0.12 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| 2-Methylnaphthalene | ND | | 0.20 | 0.037 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Fluoranthene | ND | | 0.20 | 0.027 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Fluorene | ND | | 0.20 | 0.034 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.20 | 0.048 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| 1-Methylnaphthalene | ND | | 0.20 | 0.032 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Naphthalene | ND | | 0.20 | 0.043 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Phenanthrene | ND | | 0.20 | 0.031 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Pyrene | ND | | 0.20 | 0.028 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Chrysene | ND | | 0.20 | 0.035 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.20 | 0.040 | ug/L | | 11/27/13 10:14 | 12/02/13 17:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *29 - 110* | *11/27/13 10:14* | *12/02/13 17:32* | *1* |
| *Nitrobenzene-d5 (Surr)* | *72* | | *31 - 110* | *11/27/13 10:14* | *12/02/13 17:32* | *1* |
| *Terphenyl-d14 (Surr)* | *96* | | *31 - 115* | *11/27/13 10:14* | *12/02/13 17:32* | *1* |

## Method: 6020 - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Silver** | **0.074** | **J** | 1.0 | 0.0083 | ug/L | | 12/03/13 08:24 | 12/04/13 12:54 | 1 |
| **Arsenic** | **27** | **B** | 5.0 | 0.063 | ug/L | | 12/03/13 08:24 | 12/04/13 12:54 | 1 |
| **Barium** | **840** | **B** | 5.0 | 0.32 | ug/L | | 12/03/13 08:24 | 12/04/13 12:54 | 1 |
| **Cadmium** | **0.23** | **J** | 1.0 | 0.026 | ug/L | | 12/03/13 08:24 | 12/04/13 12:54 | 1 |
| **Chromium** | **16** | **B** | 2.0 | 0.13 | ug/L | | 12/03/13 08:24 | 12/04/13 12:54 | 1 |
| **Lead** | **19** | **B** | 1.0 | 0.14 | ug/L | | 12/03/13 08:24 | 12/04/13 12:54 | 1 |
| **Selenium** | **1.4** | **J** | 5.0 | 0.34 | ug/L | | 12/03/13 08:24 | 12/04/13 12:54 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.12 | ug/L | | 12/03/13 14:35 | 12/04/13 13:06 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH2-GW**
**Date Collected: 11/25/13 13:20**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-15**
**Matrix: Water**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 110 | 12 | ug/L | | | 12/06/13 19:37 | 11.11 |
| **Benzene** | **200** | | 11 | 1.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Bromodichloromethane | ND | | 11 | 1.7 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Bromoform | ND | | 11 | 7.1 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Bromomethane | ND | | 11 | 4.6 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 2-Butanone | ND | | 110 | 6.3 | ug/L | | | 12/06/13 19:37 | 11.11 |
| **Carbon disulfide** | **21** | | 11 | 1.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Carbon tetrachloride | ND | | 11 | 1.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Chlorobenzene | ND | | 11 | 1.7 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Chloroethane | ND | | 11 | 3.2 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Chloroform | ND | | 11 | 1.8 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Chloromethane | ND | | 11 | 3.3 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,1-Dichloroethane | ND | | 11 | 1.7 | ug/L | | | 12/06/13 19:37 | 11.11 |
| **1,2-Dichloroethane** | **6.1** | **J** | 11 | 2.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,1-Dichloroethene | ND | | 11 | 2.1 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,2-Dichloropropane | ND | | 11 | 2.0 | ug/L | | | 12/06/13 19:37 | 11.11 |
| cis-1,3-Dichloropropene | ND | | 11 | 1.6 | ug/L | | | 12/06/13 19:37 | 11.11 |
| trans-1,3-Dichloropropene | ND | | 11 | 2.1 | ug/L | | | 12/06/13 19:37 | 11.11 |
| **Ethylbenzene** | **41** | | 11 | 1.9 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 2-Hexanone | ND | | 110 | 4.6 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Methylene Chloride | ND | | 11 | 3.7 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 4-Methyl-2-pentanone | ND | | 110 | 3.6 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Styrene | ND | | 11 | 1.2 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,1,2,2-Tetrachloroethane | ND | | 11 | 2.0 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Tetrachloroethene | ND | | 11 | 3.2 | ug/L | | | 12/06/13 19:37 | 11.11 |
| **Toluene** | **30** | **B** | 11 | 1.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Trichloroethene | ND | | 11 | 1.9 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Vinyl chloride | ND | | 11 | 2.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| **Xylenes, Total** | **82** | | 22 | 1.6 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,1,1-Trichloroethane | ND | | 11 | 2.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,1,2-Trichloroethane | ND | | 11 | 3.0 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Cyclohexane | ND | | 11 | 1.3 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,2-Dibromo-3-Chloropropane | ND | | 22 | 7.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,2-Dibromoethane | ND | | 11 | 2.7 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Dichlorodifluoromethane | ND | | 11 | 3.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| cis-1,2-Dichloroethene | ND | | 11 | 1.9 | ug/L | | | 12/06/13 19:37 | 11.11 |
| trans-1,2-Dichloroethene | ND | | 11 | 2.1 | ug/L | | | 12/06/13 19:37 | 11.11 |
| **Isopropylbenzene** | **59** | | 11 | 1.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Methyl acetate | ND | | 110 | 4.2 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Methyl tert-butyl ether | ND | | 11 | 1.9 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 11 | 3.1 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,2,4-Trichlorobenzene | ND | | 11 | 1.7 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,2-Dichlorobenzene | ND | | 11 | 1.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,3-Dichlorobenzene | ND | | 11 | 1.6 | ug/L | | | 12/06/13 19:37 | 11.11 |
| 1,4-Dichlorobenzene | ND | | 11 | 1.4 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Trichlorofluoromethane | ND | | 11 | 2.3 | ug/L | | | 12/06/13 19:37 | 11.11 |
| Dibromochloromethane | ND | | 11 | 2.0 | ug/L | | | 12/06/13 19:37 | 11.11 |
| **Methylcyclohexane** | **140** | | 11 | 1.4 | ug/L | | | 12/06/13 19:37 | 11.11 |

**Client Sample ID: SBFH2-GW**
**Date Collected: 11/25/13 13:20**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-15**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *63 - 129* | | *12/06/13 19:37* | *11.11* |
| *4-Bromofluorobenzene (Surr)* | *95* | | *66 - 117* | | *12/06/13 19:37* | *11.11* |
| *Toluene-d8 (Surr)* | *91* | | *74 - 115* | | *12/06/13 19:37* | *11.11* |
| *Dibromofluoromethane (Surr)* | *92* | | *75 - 121* | | *12/06/13 19:37* | *11.11* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Acenaphthene** | **1.7** | | 0.54 | 0.12 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| Acenaphthylene | ND | | 0.54 | 0.054 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| **Anthracene** | **0.84** | | 0.54 | 0.084 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| Benzo[a]anthracene | ND | | 0.54 | 0.16 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| Benzo[b]fluoranthene | ND | | 0.54 | 0.16 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| Benzo[k]fluoranthene | ND | | 0.54 | 0.13 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| Benzo[g,h,i]perylene | ND | | 0.54 | 0.14 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| Benzo[a]pyrene | ND | | 0.54 | 0.082 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| 2-Chloronaphthalene | ND | | 2.7 | 0.31 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| **2-Methylnaphthalene** | **58** | | 0.54 | 0.10 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| **Fluoranthene** | **2.6** | | 0.54 | 0.073 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| **Fluorene** | **1.3** | | 0.54 | 0.092 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.54 | 0.13 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| **1-Methylnaphthalene** | **26** | | 0.54 | 0.087 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| **Naphthalene** | **100** | | 0.54 | 0.12 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| **Phenanthrene** | **4.0** | | 0.54 | 0.084 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| **Pyrene** | **2.3** | | 0.54 | 0.076 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| Chrysene | ND | | 0.54 | 0.095 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |
| Dibenz(a,h)anthracene | ND | | 0.54 | 0.11 | ug/L | | 11/27/13 10:14 | 12/03/13 10:29 | 2.5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *63* | | *29 - 110* | *11/27/13 10:14* | *12/03/13 10:29* | *2.5* |
| *Nitrobenzene-d5 (Surr)* | *63* | | *31 - 110* | *11/27/13 10:14* | *12/03/13 10:29* | *2.5* |
| *Terphenyl-d14 (Surr)* | *67* | | *31 - 115* | *11/27/13 10:14* | *12/03/13 10:29* | *2.5* |

## Method: 6020 - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Silver** | **0.29** | **J** | 1.0 | 0.0083 | ug/L | | 12/03/13 08:24 | 12/04/13 12:58 | 1 |
| **Arsenic** | **48** | **B** | 5.0 | 0.063 | ug/L | | 12/03/13 08:24 | 12/04/13 12:58 | 1 |
| **Barium** | **580** | **B** | 5.0 | 0.32 | ug/L | | 12/03/13 08:24 | 12/04/13 12:58 | 1 |
| **Cadmium** | **1.6** | | 1.0 | 0.026 | ug/L | | 12/03/13 08:24 | 12/04/13 12:58 | 1 |
| **Chromium** | **87** | **B** | 2.0 | 0.13 | ug/L | | 12/03/13 08:24 | 12/04/13 12:58 | 1 |
| **Lead** | **320** | **B** | 1.0 | 0.14 | ug/L | | 12/03/13 08:24 | 12/04/13 12:58 | 1 |
| **Selenium** | **2.7** | **J** | 5.0 | 0.34 | ug/L | | 12/03/13 08:24 | 12/04/13 12:58 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Mercury** | **0.26** | | 0.20 | 0.12 | ug/L | | 12/03/13 14:35 | 12/04/13 13:08 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: SBFH3-GW**
**Date Collected: 11/25/13 14:10**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-16**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 1.1 | ug/L | | | 12/06/13 20:00 | 1 |
| **Benzene** | **0.33** | **J** | 1.0 | 0.13 | ug/L | | | 12/06/13 20:00 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 20:00 | 1 |
| Bromoform | ND | | 1.0 | 0.64 | ug/L | | | 12/06/13 20:00 | 1 |
| Bromomethane | ND | | 1.0 | 0.41 | ug/L | | | 12/06/13 20:00 | 1 |
| 2-Butanone | ND | | 10 | 0.57 | ug/L | | | 12/06/13 20:00 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:00 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:00 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 20:00 | 1 |
| Chloroethane | ND | | 1.0 | 0.29 | ug/L | | | 12/06/13 20:00 | 1 |
| Chloroform | ND | | 1.0 | 0.16 | ug/L | | | 12/06/13 20:00 | 1 |
| Chloromethane | ND | | 1.0 | 0.30 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 20:00 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 | ug/L | | | 12/06/13 20:00 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 20:00 | 1 |
| **Ethylbenzene** | **0.21** | **J** | 1.0 | 0.17 | ug/L | | | 12/06/13 20:00 | 1 |
| 2-Hexanone | ND | | 10 | 0.41 | ug/L | | | 12/06/13 20:00 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.33 | ug/L | | | 12/06/13 20:00 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.32 | ug/L | | | 12/06/13 20:00 | 1 |
| Styrene | ND | | 1.0 | 0.11 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 20:00 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.29 | ug/L | | | 12/06/13 20:00 | 1 |
| **Toluene** | **0.20** | **J B** | 1.0 | 0.13 | ug/L | | | 12/06/13 20:00 | 1 |
| Trichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 20:00 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 20:00 | 1 |
| **Xylenes, Total** | **0.34** | **J** | 2.0 | 0.14 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 | ug/L | | | 12/06/13 20:00 | 1 |
| **Cyclohexane** | **1.7** | | 1.0 | 0.12 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.24 | ug/L | | | 12/06/13 20:00 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.31 | ug/L | | | 12/06/13 20:00 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 20:00 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 20:00 | 1 |
| **Isopropylbenzene** | **0.37** | **J** | 1.0 | 0.13 | ug/L | | | 12/06/13 20:00 | 1 |
| Methyl acetate | ND | | 10 | 0.38 | ug/L | | | 12/06/13 20:00 | 1 |
| **Methyl tert-butyl ether** | **0.22** | **J** | 1.0 | 0.17 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 12/06/13 20:00 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:00 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.21 | ug/L | | | 12/06/13 20:00 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 20:00 | 1 |
| **Methylcyclohexane** | **0.36** | **J** | 1.0 | 0.13 | ug/L | | | 12/06/13 20:00 | 1 |

**Client Sample ID: SBFH3-GW**
**Date Collected: 11/25/13 14:10**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-16**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *87* | | *63 - 129* | | *12/06/13 20:00* | *1* |
| *4-Bromofluorobenzene (Surr)* | *85* | | *66 - 117* | | *12/06/13 20:00* | *1* |
| *Toluene-d8 (Surr)* | *90* | | *74 - 115* | | *12/06/13 20:00* | *1* |
| *Dibromofluoromethane (Surr)* | *88* | | *75 - 121* | | *12/06/13 20:00* | *1* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.33 | 0.073 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Acenaphthylene | ND | | 0.33 | 0.033 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Anthracene | ND | | 0.33 | 0.052 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Benzo[a]anthracene | ND | | 0.33 | 0.098 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Benzo[b]fluoranthene | ND | | 0.33 | 0.098 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Benzo[k]fluoranthene | ND | | 0.33 | 0.080 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.33 | 0.083 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Benzo[a]pyrene | ND | | 0.33 | 0.050 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| 2-Chloronaphthalene | ND | | 1.7 | 0.19 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| **2-Methylnaphthalene** | **0.44** | | 0.33 | 0.062 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Fluoranthene | ND | | 0.33 | 0.045 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Fluorene | ND | | 0.33 | 0.057 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.33 | 0.080 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| **1-Methylnaphthalene** | **0.28** | **J** | 0.33 | 0.053 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| **Naphthalene** | **0.89** | | 0.33 | 0.072 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Phenanthrene | ND | | 0.33 | 0.052 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Pyrene | ND | | 0.33 | 0.047 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Chrysene | ND | | 0.33 | 0.058 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.33 | 0.067 | ug/L | | 11/27/13 10:14 | 12/02/13 17:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *80* | | *29 - 110* | *11/27/13 10:14* | *12/02/13 17:54* | *1* |
| *Nitrobenzene-d5 (Surr)* | *78* | | *31 - 110* | *11/27/13 10:14* | *12/02/13 17:54* | *1* |
| *Terphenyl-d14 (Surr)* | *104* | | *31 - 115* | *11/27/13 10:14* | *12/02/13 17:54* | *1* |

## Method: 6020 - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Silver** | **0.018** | **J** | 1.0 | 0.0083 | ug/L | | 12/03/13 08:24 | 12/04/13 13:02 | 1 |
| **Arsenic** | **2.7** | **J B** | 5.0 | 0.063 | ug/L | | 12/03/13 08:24 | 12/04/13 13:02 | 1 |
| **Barium** | **290** | **B** | 5.0 | 0.32 | ug/L | | 12/03/13 08:24 | 12/04/13 13:02 | 1 |
| Cadmium | ND | | 1.0 | 0.026 | ug/L | | 12/03/13 08:24 | 12/04/13 13:02 | 1 |
| **Chromium** | **1.0** | **J B** | 2.0 | 0.13 | ug/L | | 12/03/13 08:24 | 12/04/13 13:02 | 1 |
| **Lead** | **0.97** | **J B** | 1.0 | 0.14 | ug/L | | 12/03/13 08:24 | 12/04/13 13:02 | 1 |
| **Selenium** | **0.42** | **J** | 5.0 | 0.34 | ug/L | | 12/03/13 08:24 | 12/04/13 13:02 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.12 | ug/L | | 12/03/13 14:35 | 12/04/13 13:09 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: TRIP BLANK** — **Lab Sample ID: 240-31868-17**
**Date Collected: 11/25/13 00:00** — **Matrix: Water**
**Date Received: 11/26/13 09:20**

### Method: 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Acetone** | **14** | | 10 | 1.1 | ug/L | | | 12/06/13 20:22 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:22 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 20:22 | 1 |
| Bromoform | ND | | 1.0 | 0.64 | ug/L | | | 12/06/13 20:22 | 1 |
| Bromomethane | ND | | 1.0 | 0.41 | ug/L | | | 12/06/13 20:22 | 1 |
| 2-Butanone | ND | | 10 | 0.57 | ug/L | | | 12/06/13 20:22 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:22 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:22 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 20:22 | 1 |
| Chloroethane | ND | | 1.0 | 0.29 | ug/L | | | 12/06/13 20:22 | 1 |
| Chloroform | ND | | 1.0 | 0.16 | ug/L | | | 12/06/13 20:22 | 1 |
| Chloromethane | ND | | 1.0 | 0.30 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 20:22 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 | ug/L | | | 12/06/13 20:22 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 20:22 | 1 |
| **Ethylbenzene** | **0.17** | **J** | 1.0 | 0.17 | ug/L | | | 12/06/13 20:22 | 1 |
| 2-Hexanone | ND | | 10 | 0.41 | ug/L | | | 12/06/13 20:22 | 1 |
| **Methylene Chloride** | **1.2** | | 1.0 | 0.33 | ug/L | | | 12/06/13 20:22 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.32 | ug/L | | | 12/06/13 20:22 | 1 |
| **Styrene** | **1.5** | | 1.0 | 0.11 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 20:22 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.29 | ug/L | | | 12/06/13 20:22 | 1 |
| **Toluene** | **0.20** | **J B** | 1.0 | 0.13 | ug/L | | | 12/06/13 20:22 | 1 |
| Trichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 20:22 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 20:22 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.14 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 | ug/L | | | 12/06/13 20:22 | 1 |
| Cyclohexane | ND | | 1.0 | 0.12 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.24 | ug/L | | | 12/06/13 20:22 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.31 | ug/L | | | 12/06/13 20:22 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 20:22 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 20:22 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:22 | 1 |
| Methyl acetate | ND | | 10 | 0.38 | ug/L | | | 12/06/13 20:22 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 12/06/13 20:22 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:22 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.21 | ug/L | | | 12/06/13 20:22 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 20:22 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 20:22 | 1 |

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

**Client Sample ID: TRIP BLANK**
**Date Collected: 11/25/13 00:00**
**Date Received: 11/26/13 09:20**

**Lab Sample ID: 240-31868-17**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 63 - 129 | | 12/06/13 20:22 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 66 - 117 | | 12/06/13 20:22 | 1 |
| Toluene-d8 (Surr) | 88 | | 74 - 115 | | 12/06/13 20:22 | 1 |
| Dibromofluoromethane (Surr) | 94 | | 75 - 121 | | 12/06/13 20:22 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | 12DCE | BFB | TOL | DBFM |
| Lab Sample ID | Client Sample ID | (58-123) | (52-136) | (67-125) | (37-132) |
| 240-31868-1 | SBSY1-5/6 | 104 | 94 | 96 | 97 |
| 240-31868-2 | SBSY2-5/6 | 94 | 85 | 103 | 94 |
| 240-31868-3 | SBSY3-5/6 | 100 | 79 | 111 | 100 |
| 240-31868-4 | SBFH1-11/13 | 102 | 91 | 101 | 100 |
| 240-31868-6 | SBFH3-10/12 | 103 | 92 | 103 | 95 |
| 240-31868-7 | SBFH4-0/2 | 102 | 93 | 106 | 100 |
| 240-31868-8 | SBFH5-0/2 | 98 | 84 | 105 | 97 |
| 240-31868-9 | SBFH6-0/2 | 103 | 95 | 100 | 99 |
| 240-31868-10 | SBFH7-0/2 | 109 | 98 | 107 | 102 |
| LCS 240-111795/5 | Lab Control Sample | 95 | 100 | 98 | 100 |
| LCS 240-111818/5 | Lab Control Sample | 95 | 103 | 104 | 101 |
| MB 240-111647/1-A | Method Blank | 97 | 98 | 96 | 96 |
| MB 240-111647/2-A | Method Blank | 101 | 94 | 100 | 100 |

**Surrogate Legend**

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | 12DCE | BFB | TOL | DBFM |
| Lab Sample ID | Client Sample ID | (39-128) | (26-141) | (33-134) | (30-122) |
| 240-31868-5 | SBFH2-6/7 | 98 | 115 | 103 | 86 |
| LCS 240-111663/2-A | Lab Control Sample | 102 | 100 | 90 | 93 |
| MB 240-111663/1-A | Method Blank | 104 | 88 | 92 | 85 |

**Surrogate Legend**

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | 12DCE | BFB | TOL | DBFM |
| Lab Sample ID | Client Sample ID | (63-129) | (66-117) | (74-115) | (75-121) |
| 240-31868-11 | SBSY1-GW | 90 | 91 | 89 | 90 |
| 240-31868-12 | SBSY2-GW | 89 | 93 | 87 | 88 |
| 240-31868-13 | SBSY3-GW | 88 | 87 | 93 | 90 |
| 240-31868-14 | SBFH1-GW | 90 | 94 | 89 | 91 |
| 240-31868-15 | SBFH2-GW | 89 | 95 | 91 | 92 |
| 240-31868-16 | SBFH3-GW | 87 | 85 | 90 | 88 |
| 240-31868-17 | TRIP BLANK | 90 | 91 | 88 | 94 |
| LCS 240-112404/4 | Lab Control Sample | 89 | 89 | 90 | 89 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | 12DCE | BFB | TOL | DBFM |
| Lab Sample ID | Client Sample ID | (63-129) | (66-117) | (74-115) | (75-121) |
| LCS 240-112573/4 | Lab Control Sample | 87 | 89 | 90 | 90 |
| MB 240-112404/5 | Method Blank | 92 | 94 | 87 | 91 |
| MB 240-112573/5 | Method Blank | 91 | 92 | 88 | 89 |

**Surrogate Legend**

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|---|---|---|---|---|---|---|---|
| | | FBP | 2FP | TBP | NBZ | PHL | TPH |
| Lab Sample ID | Client Sample ID | (24-110) | (24-110) | (10-110) | (20-110) | (26-110) | (36-110) |
| 240-31868-1 | SBSY1-5/6 | 90 | 88 | 112 X | 102 | 96 | 120 X |
| 240-31868-2 | SBSY2-5/6 | 79 | 75 | 69 | 70 | 80 | 108 |
| 240-31868-3 | SBSY3-5/6 | 78 | 84 | 61 | 76 | 87 | 114 X |
| 240-31868-4 | SBFH1-11/13 | 85 | 85 | 71 | 78 | 88 | 116 X |
| 240-31868-5 | SBFH2-6/7 | 77 | 80 | 78 | 77 | 98 | 104 |
| 240-31868-6 | SBFH3-10/12 | 76 | 85 | 61 | 74 | 83 | 104 |
| 240-31868-7 | SBFH4-0/2 | 70 | 59 | 48 | 60 | 69 | 99 |
| 240-31868-8 | SBFH5-0/2 | 82 | 78 | 70 | 75 | 83 | 123 X |
| 240-31868-9 | SBFH6-0/2 | 71 | 66 | 59 | 61 | 70 | 102 |
| 240-31868-10 | SBFH7-0/2 | 68 | 69 | 54 | 69 | 74 | 99 |
| LCS 240-112041/22-A | Lab Control Sample | 70 | 71 | 64 | 69 | 72 | 100 |
| LCS 240-112190/12-A | Lab Control Sample | 74 | 71 | 97 | 85 | 78 | 100 |
| MB 240-112041/21-A | Method Blank | 71 | 72 | 56 | 69 | 72 | 99 |
| MB 240-112190/11-A | Method Blank | 80 | 80 | 87 | 89 | 85 | 107 |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | |
|---|---|---|---|---|
| | | FBP | NBZ | TPH |
| Lab Sample ID | Client Sample ID | (29-110) | (31-110) | (31-115) |
| 240-31868-11 | SBSY1-GW | 78 | 75 | 99 |
| 240-31868-12 | SBSY2-GW | 69 | 71 | 96 |
| 240-31868-13 | SBSY3-GW | 75 | 74 | 87 |
| 240-31868-14 | SBFH1-GW | 74 | 72 | 96 |
| 240-31868-15 | SBFH2-GW | 63 | 63 | 67 |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | |
|---|---|---|---|---|
| | | FBP | NBZ | TPH |
| Lab Sample ID | Client Sample ID | (29-110) | (31-110) | (31-115) |
| 240-31868-16 | SBFH3-GW | 80 | 78 | 104 |
| LCS 240-111601/19-A | Lab Control Sample | 70 | 65 | 93 |
| MB 240-111601/18-A | Method Blank | 75 | 81 | 107 |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | TCX2 | DCB2 |
| Lab Sample ID | Client Sample ID | (29-151) | (14-163) |
| 240-31868-1 | SBSY1-5/6 | 84 | 71 |
| 240-31868-2 | SBSY2-5/6 | 81 | 69 |
| 240-31868-3 | SBSY3-5/6 | 87 | 78 |
| 240-31868-4 | SBFH1-11/13 | 86 | 80 |
| 240-31868-5 | SBFH2-6/7 | 80 | 81 |
| 240-31868-6 | SBFH3-10/12 | 71 | 70 |
| 240-31868-7 | SBFH4-0/2 | 76 | 72 |
| 240-31868-8 | SBFH5-0/2 | 82 | 71 |
| 240-31868-9 | SBFH6-0/2 | 82 | 73 |
| 240-31868-10 | SBFH7-0/2 | 98 | 79 |
| LCS 240-112062/24-A | Lab Control Sample | 93 | 81 |
| LCSD 240-112062/25-A | Lab Control Sample Dup | 79 | 79 |
| MB 240-112062/23-A | Method Blank | 66 | 80 |

**Surrogate Legend**

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 240-111647/1-A**
**Matrix: Solid**
**Analysis Batch: 111795**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 111647**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | ND | | 5.0 | 0.36 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,2-Dichloroethane | ND | | 5.0 | 0.34 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,1-Dichloroethene | ND | | 5.0 | 0.52 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,2-Dichloropropane | ND | | 5.0 | 0.69 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Acetone | ND | | 20 | 6.3 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Benzene | ND | | 5.0 | 0.23 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Bromoform | ND | | 5.0 | 0.33 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 2-Hexanone | ND | | 20 | 0.63 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Bromomethane | ND | | 5.0 | 0.54 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Carbon disulfide | ND | | 5.0 | 0.44 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Carbon tetrachloride | ND | | 5.0 | 0.37 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Chlorobenzene | ND | | 5.0 | 0.33 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.34 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Chloroethane | ND | | 5.0 | 0.86 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Chloroform | ND | | 5.0 | 0.29 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Chloromethane | ND | | 5.0 | 0.41 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.34 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,1,1-Trichloroethane | ND | | 5.0 | 0.56 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Bromodichloromethane | ND | | 5.0 | 0.28 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.39 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Cyclohexane | ND | | 10 | 0.33 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Ethylbenzene | ND | | 5.0 | 0.26 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10 | 1.3 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,2-Dibromoethane | ND | | 5.0 | 0.50 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Dichlorodifluoromethane | ND | | 5.0 | 0.50 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| cis-1,2-Dichloroethene | ND | | 5.0 | 0.36 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 2-Butanone | ND | | 20 | 1.4 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 4-Methyl-2-pentanone | ND | | 20 | 0.54 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Isopropylbenzene | ND | | 5.0 | 0.16 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Methyl acetate | ND | | 10 | 1.4 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | 0.43 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Methylene Chloride | ND | | 5.0 | 0.67 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 1.3 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.27 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Styrene | ND | | 5.0 | 0.15 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Tetrachloroethene | ND | | 5.0 | 0.52 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.35 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Toluene | ND | | 5.0 | 0.27 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.66 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.41 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.54 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Trichloroethene | ND | | 5.0 | 0.42 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Trichlorofluoromethane | ND | | 5.0 | 0.34 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Vinyl chloride | ND | | 5.0 | 0.39 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Xylenes, Total | ND | | 10 | 0.35 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Methylcyclohexane | ND | | 10 | 0.31 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |
| Dibromochloromethane | ND | | 5.0 | 0.55 | ug/Kg | | 11/27/13 14:24 | 11/30/13 03:52 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-111647/1-A**
**Matrix: Solid**
**Analysis Batch: 111795**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 111647**

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *97* | | *58 - 123* | *11/27/13 14:24* | *11/30/13 03:52* | *1* |
| *4-Bromofluorobenzene (Surr)* | *98* | | *52 - 136* | *11/27/13 14:24* | *11/30/13 03:52* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *67 - 125* | *11/27/13 14:24* | *11/30/13 03:52* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *37 - 132* | *11/27/13 14:24* | *11/30/13 03:52* | *1* |

**Lab Sample ID: MB 240-111647/2-A**
**Matrix: Solid**
**Analysis Batch: 111818**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 111647**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | ND | | 250 | 18 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,2-Dichloroethane | ND | | 250 | 17 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,1-Dichloroethene | ND | | 250 | 26 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,2-Dichloropropane | ND | | 250 | 35 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Acetone | 358 | J | 1000 | 320 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Benzene | ND | | 250 | 12 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Bromoform | ND | | 250 | 17 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 2-Hexanone | ND | | 1000 | 32 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Bromomethane | ND | | 250 | 27 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Carbon disulfide | ND | | 250 | 22 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Carbon tetrachloride | ND | | 250 | 19 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Chlorobenzene | ND | | 250 | 17 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 250 | 17 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Chloroethane | ND | | 250 | 43 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Chloroform | ND | | 250 | 15 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Chloromethane | ND | | 250 | 21 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| cis-1,3-Dichloropropene | ND | | 250 | 17 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,1,1-Trichloroethane | ND | | 250 | 28 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Bromodichloromethane | ND | | 250 | 14 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,1,2-Trichloroethane | ND | | 250 | 20 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Cyclohexane | ND | | 500 | 17 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Ethylbenzene | ND | | 250 | 13 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 500 | 65 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,2-Dibromoethane | ND | | 250 | 25 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Dichlorodifluoromethane | ND | | 250 | 25 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| cis-1,2-Dichloroethene | ND | | 250 | 18 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 2-Butanone | ND | | 1000 | 70 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 4-Methyl-2-pentanone | ND | | 1000 | 27 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Isopropylbenzene | ND | | 250 | 8.0 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Methyl acetate | ND | | 500 | 70 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Methyl tert-butyl ether | ND | | 250 | 22 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Methylene Chloride | ND | | 250 | 34 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 250 | 65 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 250 | 14 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Styrene | ND | | 250 | 7.5 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,2-Dichlorobenzene | ND | | 250 | 18 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Tetrachloroethene | ND | | 250 | 26 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,3-Dichlorobenzene | ND | | 250 | 18 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-111647/2-A**
**Matrix: Solid**
**Analysis Batch: 111818**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 111647**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | ND | | 250 | 14 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| 1,4-Dichlorobenzene | ND | | 250 | 33 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| trans-1,2-Dichloroethene | ND | | 250 | 21 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| trans-1,3-Dichloropropene | ND | | 250 | 27 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Trichloroethene | ND | | 250 | 21 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Trichlorofluoromethane | ND | | 250 | 17 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Vinyl chloride | ND | | 250 | 20 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Xylenes, Total | ND | | 500 | 18 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Methylcyclohexane | ND | | 500 | 16 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |
| Dibromochloromethane | ND | | 250 | 28 | ug/Kg | | 11/27/13 14:24 | 12/01/13 04:23 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *58 - 123* | *11/27/13 14:24* | *12/01/13 04:23* | *1* |
| *4-Bromofluorobenzene (Surr)* | *94* | | *52 - 136* | *11/27/13 14:24* | *12/01/13 04:23* | *1* |
| *Toluene-d8 (Surr)* | *100* | | *67 - 125* | *11/27/13 14:24* | *12/01/13 04:23* | *1* |
| *Dibromofluoromethane (Surr)* | *100* | | *37 - 132* | *11/27/13 14:24* | *12/01/13 04:23* | *1* |

**Lab Sample ID: MB 240-111663/1-A**
**Matrix: Solid**
**Analysis Batch: 111795**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 111663**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | ND | | 250 | 17 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,2-Dichloroethane | ND | | 250 | 10 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,1-Dichloroethene | ND | | 250 | 18 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,2-Dichloropropane | ND | | 250 | 8.2 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Acetone | ND | | 1000 | 170 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Benzene | ND | | 250 | 12 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Bromoform | ND | | 250 | 19 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 2-Hexanone | ND | | 1000 | 20 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Bromomethane | ND | | 250 | 29 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Carbon disulfide | ND | | 250 | 12 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Carbon tetrachloride | ND | | 250 | 6.4 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Chlorobenzene | ND | | 250 | 6.4 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 250 | 8.9 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Chloroethane | ND | | 250 | 61 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Chloroform | ND | | 250 | 8.8 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Chloromethane | ND | | 250 | 14 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| cis-1,3-Dichloropropene | ND | | 250 | 7.9 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,1,1-Trichloroethane | ND | | 250 | 21 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Bromodichloromethane | ND | | 250 | 9.9 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,1,2-Trichloroethane | ND | | 250 | 12 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Cyclohexane | ND | | 500 | 40 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Ethylbenzene | ND | | 250 | 5.4 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 500 | 50 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,2-Dibromoethane | ND | | 250 | 10 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Dichlorodifluoromethane | ND | | 250 | 16 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| cis-1,2-Dichloroethene | ND | | 250 | 6.9 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-111663/1-A**
**Matrix: Solid**
**Analysis Batch: 111795**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 111663**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2-Butanone | ND | | 1000 | 43 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 4-Methyl-2-pentanone | ND | | 1000 | 48 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Isopropylbenzene | ND | | 250 | 6.5 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Methyl acetate | ND | | 500 | 25 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Methyl tert-butyl ether | ND | | 250 | 7.1 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Methylene Chloride | 115 | J | 250 | 77 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 250 | 39 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 250 | 7.3 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Styrene | ND | | 250 | 5.6 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,2-Dichlorobenzene | ND | | 250 | 8.6 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Tetrachloroethene | 17.0 | J | 250 | 12 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,3-Dichlorobenzene | ND | | 250 | 4.8 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Toluene | ND | | 250 | 17 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| 1,4-Dichlorobenzene | ND | | 250 | 8.0 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| trans-1,2-Dichloroethene | ND | | 250 | 9.2 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| trans-1,3-Dichloropropene | ND | | 250 | 20 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Trichloroethene | ND | | 250 | 9.7 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Trichlorofluoromethane | ND | | 250 | 16 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Vinyl chloride | ND | | 250 | 18 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Xylenes, Total | ND | | 500 | 6.2 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Methylcyclohexane | ND | | 500 | 12 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |
| Dibromochloromethane | ND | | 250 | 12 | ug/Kg | | 11/27/13 15:00 | 11/30/13 07:25 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *39 - 128* | *11/27/13 15:00* | *11/30/13 07:25* | *1* |
| *4-Bromofluorobenzene (Surr)* | *88* | | *26 - 141* | *11/27/13 15:00* | *11/30/13 07:25* | *1* |
| *Toluene-d8 (Surr)* | *92* | | *33 - 134* | *11/27/13 15:00* | *11/30/13 07:25* | *1* |
| *Dibromofluoromethane (Surr)* | *85* | | *30 - 122* | *11/27/13 15:00* | *11/30/13 07:25* | *1* |

**Lab Sample ID: LCS 240-111663/2-A**
**Matrix: Solid**
**Analysis Batch: 111795**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 111663**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 1000 | 939 | | ug/Kg | | 94 | 63 - 117 |
| 1,2-Dichloroethane | 1000 | 985 | | ug/Kg | | 98 | 68 - 119 |
| 1,1-Dichloroethene | 1000 | 800 | | ug/Kg | | 80 | 44 - 143 |
| 1,2-Dichloropropane | 1000 | 1000 | | ug/Kg | | 100 | 73 - 113 |
| Acetone | 2000 | 1670 | | ug/Kg | | 83 | 16 - 156 |
| Benzene | 1000 | 966 | | ug/Kg | | 97 | 70 - 117 |
| Bromoform | 1000 | 778 | | ug/Kg | | 78 | 10 - 117 |
| 2-Hexanone | 2000 | 1740 | | ug/Kg | | 87 | 43 - 130 |
| Bromomethane | 1000 | 353 | | ug/Kg | | 35 | 10 - 114 |
| Carbon disulfide | 1000 | 562 | | ug/Kg | | 56 | 10 - 132 |
| Carbon tetrachloride | 1000 | 860 | | ug/Kg | | 86 | 29 - 118 |
| Chlorobenzene | 1000 | 960 | | ug/Kg | | 96 | 71 - 116 |
| 1,1,2,2-Tetrachloroethane | 1000 | 919 | | ug/Kg | | 92 | 54 - 121 |
| Chloroethane | 1000 | 713 | | ug/Kg | | 71 | 10 - 120 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-111663/2-A**
**Matrix: Solid**
**Analysis Batch: 111795**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 111663**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Chloroform | 1000 | 955 | | ug/Kg | | 96 | 63 - 116 |
| Chloromethane | 1000 | 691 | | ug/Kg | | 69 | 25 - 110 |
| cis-1,3-Dichloropropene | 1000 | 939 | | ug/Kg | | 94 | 25 - 120 |
| 1,1,1-Trichloroethane | 1000 | 904 | | ug/Kg | | 90 | 38 - 122 |
| Bromodichloromethane | 1000 | 917 | | ug/Kg | | 92 | 28 - 123 |
| 1,1,2-Trichloroethane | 1000 | 960 | | ug/Kg | | 96 | 74 - 114 |
| Cyclohexane | 1000 | 913 | | ug/Kg | | 91 | 40 - 120 |
| Ethylbenzene | 1000 | 992 | | ug/Kg | | 99 | 66 - 119 |
| 1,2-Dibromo-3-Chloropropane | 1000 | 788 | | ug/Kg | | 79 | 10 - 129 |
| 1,2-Dibromoethane | 1000 | 955 | | ug/Kg | | 96 | 47 - 123 |
| Dichlorodifluoromethane | 1000 | 521 | | ug/Kg | | 52 | 10 - 110 |
| cis-1,2-Dichloroethene | 1000 | 943 | | ug/Kg | | 94 | 60 - 125 |
| 2-Butanone | 2000 | 1760 | | ug/Kg | | 88 | 10 - 199 |
| 4-Methyl-2-pentanone | 2000 | 1720 | | ug/Kg | | 86 | 49 - 121 |
| Isopropylbenzene | 1000 | 1060 | | ug/Kg | | 106 | 61 - 123 |
| Methyl acetate | 5000 | 4910 | | ug/Kg | | 98 | 44 - 173 |
| Methyl tert-butyl ether | 1000 | 961 | | ug/Kg | | 96 | 34 - 157 |
| Methylene Chloride | 1000 | 1180 | | ug/Kg | | 118 | 27 - 172 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1000 | 885 | | ug/Kg | | 88 | 48 - 151 |
| 1,2,4-Trichlorobenzene | 1000 | 926 | | ug/Kg | | 93 | 41 - 135 |
| Styrene | 1000 | 1020 | | ug/Kg | | 102 | 60 - 120 |
| 1,2-Dichlorobenzene | 1000 | 966 | | ug/Kg | | 97 | 68 - 118 |
| Tetrachloroethene | 1000 | 990 | | ug/Kg | | 99 | 58 - 131 |
| 1,3-Dichlorobenzene | 1000 | 981 | | ug/Kg | | 98 | 66 - 121 |
| Toluene | 1000 | 994 | | ug/Kg | | 99 | 66 - 123 |
| 1,4-Dichlorobenzene | 1000 | 935 | | ug/Kg | | 94 | 65 - 119 |
| trans-1,2-Dichloroethene | 1000 | 875 | | ug/Kg | | 87 | 58 - 121 |
| trans-1,3-Dichloropropene | 1000 | 952 | | ug/Kg | | 95 | 22 - 122 |
| Trichloroethene | 1000 | 952 | | ug/Kg | | 95 | 59 - 124 |
| Trichlorofluoromethane | 1000 | 766 | | ug/Kg | | 77 | 17 - 145 |
| Vinyl chloride | 1000 | 716 | | ug/Kg | | 72 | 33 - 110 |
| Xylenes, Total | 2000 | 2070 | | ug/Kg | | 104 | 68 - 119 |
| Methylcyclohexane | 1000 | 897 | | ug/Kg | | 90 | 41 - 133 |
| m-Xylene & p-Xylene | 1000 | 1030 | | ug/Kg | | 103 | 67 - 118 |
| Dibromochloromethane | 1000 | 850 | | ug/Kg | | 85 | 22 - 113 |
| o-Xylene | 1000 | 1040 | | ug/Kg | | 104 | 68 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *102* | | *39 - 128* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *26 - 141* |
| *Toluene-d8 (Surr)* | *90* | | *33 - 134* |
| *Dibromofluoromethane (Surr)* | *93* | | *30 - 122* |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-111795/5**
**Matrix: Solid**
**Analysis Batch: 111795**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 50.0 | 45.0 | | ug/Kg | | 90 | 76 - 115 |
| 1,2-Dichloroethane | 50.0 | 46.4 | | ug/Kg | | 93 | 72 - 120 |
| 1,1-Dichloroethene | 50.0 | 39.0 | | ug/Kg | | 78 | 75 - 135 |
| 1,2-Dichloropropane | 50.0 | 46.7 | | ug/Kg | | 93 | 87 - 113 |
| Acetone | 100 | 81.2 | | ug/Kg | | 81 | 41 - 137 |
| Benzene | 50.0 | 44.3 | | ug/Kg | | 89 | 79 - 112 |
| Bromoform | 50.0 | 53.1 | | ug/Kg | | 106 | 62 - 133 |
| 2-Hexanone | 100 | 91.6 | | ug/Kg | | 92 | 64 - 136 |
| Bromomethane | 50.0 | 53.4 | | ug/Kg | | 107 | 42 - 136 |
| Carbon disulfide | 50.0 | 36.9 | | ug/Kg | | 74 | 62 - 146 |
| Carbon tetrachloride | 50.0 | 49.3 | | ug/Kg | | 99 | 71 - 129 |
| Chlorobenzene | 50.0 | 46.5 | | ug/Kg | | 93 | 78 - 110 |
| 1,1,2,2-Tetrachloroethane | 50.0 | 47.2 | | ug/Kg | | 94 | 77 - 123 |
| Chloroethane | 50.0 | 49.0 | | ug/Kg | | 98 | 58 - 117 |
| Chloroform | 50.0 | 47.8 | | ug/Kg | | 96 | 77 - 114 |
| Chloromethane | 50.0 | 44.5 | | ug/Kg | | 89 | 50 - 110 |
| cis-1,3-Dichloropropene | 50.0 | 52.1 | | ug/Kg | | 104 | 74 - 128 |
| 1,1,1-Trichloroethane | 50.0 | 48.7 | | ug/Kg | | 97 | 77 - 126 |
| Bromodichloromethane | 50.0 | 51.6 | | ug/Kg | | 103 | 84 - 122 |
| 1,1,2-Trichloroethane | 50.0 | 47.2 | | ug/Kg | | 94 | 83 - 112 |
| Cyclohexane | 50.0 | 43.8 | | ug/Kg | | 88 | 66 - 110 |
| Ethylbenzene | 50.0 | 48.9 | | ug/Kg | | 98 | 79 - 117 |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 46.4 | | ug/Kg | | 93 | 61 - 132 |
| 1,2-Dibromoethane | 50.0 | 49.6 | | ug/Kg | | 99 | 83 - 117 |
| Dichlorodifluoromethane | 50.0 | 46.6 | | ug/Kg | | 93 | 26 - 113 |
| cis-1,2-Dichloroethene | 50.0 | 46.8 | | ug/Kg | | 94 | 76 - 113 |
| 2-Butanone | 100 | 78.0 | | ug/Kg | | 78 | 52 - 131 |
| 4-Methyl-2-pentanone | 100 | 92.3 | | ug/Kg | | 92 | 67 - 135 |
| Isopropylbenzene | 50.0 | 53.8 | | ug/Kg | | 108 | 76 - 122 |
| Methyl acetate | 250 | 208 | | ug/Kg | | 83 | 57 - 130 |
| Methyl tert-butyl ether | 50.0 | 47.6 | | ug/Kg | | 95 | 49 - 165 |
| Methylene Chloride | 50.0 | 52.1 | | ug/Kg | | 104 | 75 - 118 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | 50.0 | 41.4 | | ug/Kg | | 83 | 82 - 138 |
| 1,2,4-Trichlorobenzene | 50.0 | 51.9 | | ug/Kg | | 104 | 64 - 124 |
| Styrene | 50.0 | 54.5 | | ug/Kg | | 109 | 87 - 117 |
| 1,2-Dichlorobenzene | 50.0 | 47.1 | | ug/Kg | | 94 | 76 - 110 |
| Tetrachloroethene | 50.0 | 45.4 | | ug/Kg | | 91 | 79 - 114 |
| 1,3-Dichlorobenzene | 50.0 | 48.8 | | ug/Kg | | 98 | 78 - 111 |
| Toluene | 50.0 | 45.9 | | ug/Kg | | 92 | 75 - 111 |
| 1,4-Dichlorobenzene | 50.0 | 46.7 | | ug/Kg | | 93 | 75 - 110 |
| trans-1,2-Dichloroethene | 50.0 | 44.2 | | ug/Kg | | 88 | 78 - 117 |
| trans-1,3-Dichloropropene | 50.0 | 55.6 | | ug/Kg | | 111 | 73 - 131 |
| Trichloroethene | 50.0 | 46.1 | | ug/Kg | | 92 | 79 - 113 |
| Trichlorofluoromethane | 50.0 | 51.8 | | ug/Kg | | 104 | 57 - 146 |
| Vinyl chloride | 50.0 | 46.5 | | ug/Kg | | 93 | 57 - 114 |
| Xylenes, Total | 100 | 102 | | ug/Kg | | 102 | 80 - 118 |
| Methylcyclohexane | 50.0 | 45.5 | | ug/Kg | | 91 | 70 - 126 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-111795/5**
**Matrix: Solid**
**Analysis Batch: 111795**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| m-Xylene & p-Xylene | 50.0 | 50.4 | | ug/Kg | | 101 | 80 - 117 |
| Dibromochloromethane | 50.0 | 54.0 | | ug/Kg | | 108 | 72 - 127 |
| o-Xylene | 50.0 | 51.9 | | ug/Kg | | 104 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *95* | | *58 - 123* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *52 - 136* |
| *Toluene-d8 (Surr)* | *98* | | *67 - 125* |
| *Dibromofluoromethane (Surr)* | *100* | | *37 - 132* |

**Lab Sample ID: LCS 240-111818/5**
**Matrix: Solid**
**Analysis Batch: 111818**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 50.0 | 50.6 | | ug/Kg | | 101 | 76 - 115 |
| 1,2-Dichloroethane | 50.0 | 46.5 | | ug/Kg | | 93 | 72 - 120 |
| 1,1-Dichloroethene | 50.0 | 52.4 | | ug/Kg | | 105 | 75 - 135 |
| 1,2-Dichloropropane | 50.0 | 49.7 | | ug/Kg | | 99 | 87 - 113 |
| Acetone | 100 | 74.8 | | ug/Kg | | 75 | 41 - 137 |
| Benzene | 50.0 | 49.0 | | ug/Kg | | 98 | 79 - 112 |
| Bromoform | 50.0 | 50.1 | | ug/Kg | | 100 | 62 - 133 |
| 2-Hexanone | 100 | 84.6 | | ug/Kg | | 85 | 64 - 136 |
| Bromomethane | 50.0 | 58.2 | | ug/Kg | | 116 | 42 - 136 |
| Carbon disulfide | 50.0 | 57.2 | | ug/Kg | | 114 | 62 - 146 |
| Carbon tetrachloride | 50.0 | 56.8 | | ug/Kg | | 114 | 71 - 129 |
| Chlorobenzene | 50.0 | 46.3 | | ug/Kg | | 93 | 78 - 110 |
| 1,1,2,2-Tetrachloroethane | 50.0 | 44.2 | | ug/Kg | | 88 | 77 - 123 |
| Chloroethane | 50.0 | 53.1 | | ug/Kg | | 106 | 58 - 117 |
| Chloroform | 50.0 | 48.9 | | ug/Kg | | 98 | 77 - 114 |
| Chloromethane | 50.0 | 48.3 | | ug/Kg | | 97 | 50 - 110 |
| cis-1,3-Dichloropropene | 50.0 | 53.7 | | ug/Kg | | 107 | 74 - 128 |
| 1,1,1-Trichloroethane | 50.0 | 54.8 | | ug/Kg | | 110 | 77 - 126 |
| Bromodichloromethane | 50.0 | 52.4 | | ug/Kg | | 105 | 84 - 122 |
| 1,1,2-Trichloroethane | 50.0 | 45.7 | | ug/Kg | | 91 | 83 - 112 |
| Cyclohexane | 50.0 | 55.8 | * | ug/Kg | | 112 | 66 - 110 |
| Ethylbenzene | 50.0 | 51.0 | | ug/Kg | | 102 | 79 - 117 |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 43.2 | | ug/Kg | | 86 | 61 - 132 |
| 1,2-Dibromoethane | 50.0 | 47.9 | | ug/Kg | | 96 | 83 - 117 |
| Dichlorodifluoromethane | 50.0 | 51.5 | | ug/Kg | | 103 | 26 - 113 |
| cis-1,2-Dichloroethene | 50.0 | 49.9 | | ug/Kg | | 100 | 76 - 113 |
| 2-Butanone | 100 | 77.4 | | ug/Kg | | 77 | 52 - 131 |
| 4-Methyl-2-pentanone | 100 | 86.3 | | ug/Kg | | 86 | 67 - 135 |
| Isopropylbenzene | 50.0 | 56.6 | | ug/Kg | | 113 | 76 - 122 |
| Methyl acetate | 250 | 195 | | ug/Kg | | 78 | 57 - 130 |
| Methyl tert-butyl ether | 50.0 | 49.4 | | ug/Kg | | 99 | 49 - 165 |
| Methylene Chloride | 50.0 | 51.8 | | ug/Kg | | 104 | 75 - 118 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-111818/5**
**Matrix: Solid**
**Analysis Batch: 111818**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0 | 52.3 | | ug/Kg | | 105 | 82 - 138 |
| 1,2,4-Trichlorobenzene | 50.0 | 51.3 | | ug/Kg | | 103 | 64 - 124 |
| Styrene | 50.0 | 53.3 | | ug/Kg | | 107 | 87 - 117 |
| 1,2-Dichlorobenzene | 50.0 | 45.0 | | ug/Kg | | 90 | 76 - 110 |
| Tetrachloroethene | 50.0 | 50.6 | | ug/Kg | | 101 | 79 - 114 |
| 1,3-Dichlorobenzene | 50.0 | 48.0 | | ug/Kg | | 96 | 78 - 111 |
| Toluene | 50.0 | 50.4 | | ug/Kg | | 101 | 75 - 111 |
| 1,4-Dichlorobenzene | 50.0 | 45.4 | | ug/Kg | | 91 | 75 - 110 |
| trans-1,2-Dichloroethene | 50.0 | 50.7 | | ug/Kg | | 101 | 78 - 117 |
| trans-1,3-Dichloropropene | 50.0 | 56.7 | | ug/Kg | | 113 | 73 - 131 |
| Trichloroethene | 50.0 | 50.4 | | ug/Kg | | 101 | 79 - 113 |
| Trichlorofluoromethane | 50.0 | 55.3 | | ug/Kg | | 111 | 57 - 146 |
| Vinyl chloride | 50.0 | 50.6 | | ug/Kg | | 101 | 57 - 114 |
| Xylenes, Total | 100 | 106 | | ug/Kg | | 106 | 80 - 118 |
| Methylcyclohexane | 50.0 | 54.3 | | ug/Kg | | 109 | 70 - 126 |
| m-Xylene & p-Xylene | 50.0 | 52.5 | | ug/Kg | | 105 | 80 - 117 |
| Dibromochloromethane | 50.0 | 51.7 | | ug/Kg | | 103 | 72 - 127 |
| o-Xylene | 50.0 | 53.0 | | ug/Kg | | 106 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *95* | | *58 - 123* |
| *4-Bromofluorobenzene (Surr)* | *103* | | *52 - 136* |
| *Toluene-d8 (Surr)* | *104* | | *67 - 125* |
| *Dibromofluoromethane (Surr)* | *101* | | *37 - 132* |

**Lab Sample ID: MB 240-112404/5**
**Matrix: Water**
**Analysis Batch: 112404**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 12:21 | 1 |
| Acetone | 2.25 | J | 10 | 1.1 | ug/L | | | 12/05/13 12:21 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 12:21 | 1 |
| Bromoform | ND | | 1.0 | 0.64 | ug/L | | | 12/05/13 12:21 | 1 |
| 2-Hexanone | ND | | 10 | 0.41 | ug/L | | | 12/05/13 12:21 | 1 |
| Bromomethane | ND | | 1.0 | 0.41 | ug/L | | | 12/05/13 12:21 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 12:21 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 12:21 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 12:21 | 1 |
| Chloroethane | ND | | 1.0 | 0.29 | ug/L | | | 12/05/13 12:21 | 1 |
| Chloroform | ND | | 1.0 | 0.16 | ug/L | | | 12/05/13 12:21 | 1 |
| Chloromethane | ND | | 1.0 | 0.30 | ug/L | | | 12/05/13 12:21 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 | ug/L | | | 12/05/13 12:21 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-112404/5**
**Matrix: Water**
**Analysis Batch: 112404**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 12:21 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 | ug/L | | | 12/05/13 12:21 | 1 |
| Cyclohexane | ND | | 1.0 | 0.12 | ug/L | | | 12/05/13 12:21 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.24 | ug/L | | | 12/05/13 12:21 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.31 | ug/L | | | 12/05/13 12:21 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 12:21 | 1 |
| 2-Butanone | ND | | 10 | 0.57 | ug/L | | | 12/05/13 12:21 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.32 | ug/L | | | 12/05/13 12:21 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 12:21 | 1 |
| Methyl acetate | ND | | 10 | 0.38 | ug/L | | | 12/05/13 12:21 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 12:21 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.33 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/05/13 12:21 | 1 |
| Styrene | ND | | 1.0 | 0.11 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 12:21 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.29 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 12/05/13 12:21 | 1 |
| Toluene | 0.265 | J | 1.0 | 0.13 | ug/L | | | 12/05/13 12:21 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 12:21 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 12:21 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 | ug/L | | | 12/05/13 12:21 | 1 |
| Trichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/05/13 12:21 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.21 | ug/L | | | 12/05/13 12:21 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.22 | ug/L | | | 12/05/13 12:21 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.14 | ug/L | | | 12/05/13 12:21 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.13 | ug/L | | | 12/05/13 12:21 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.18 | ug/L | | | 12/05/13 12:21 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *63 - 129* | | *12/05/13 12:21* | *1* |
| *4-Bromofluorobenzene (Surr)* | *94* | | *66 - 117* | | *12/05/13 12:21* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *74 - 115* | | *12/05/13 12:21* | *1* |
| *Dibromofluoromethane (Surr)* | *91* | | *75 - 121* | | *12/05/13 12:21* | *1* |

**Lab Sample ID: LCS 240-112404/4**
**Matrix: Water**
**Analysis Batch: 112404**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 10.0 | 10.3 | | ug/L | | 103 | 82 - 115 |
| 1,2-Dichloroethane | 10.0 | 10.0 | | ug/L | | 100 | 71 - 127 |
| 1,1-Dichloroethene | 10.0 | 10.6 | | ug/L | | 106 | 78 - 131 |
| 1,2-Dichloropropane | 10.0 | 10.1 | | ug/L | | 101 | 81 - 115 |
| Acetone | 20.0 | 16.8 | | ug/L | | 84 | 43 - 136 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-112404/4**
**Matrix: Water**
**Analysis Batch: 112404**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 10.0 | 9.86 | | ug/L | | 99 | 83 - 112 |
| Bromoform | 10.0 | 8.78 | | ug/L | | 88 | 40 - 131 |
| 2-Hexanone | 20.0 | 19.3 | | ug/L | | 96 | 55 - 133 |
| Bromomethane | 10.0 | 12.8 | | ug/L | | 128 | 11 - 185 |
| Carbon disulfide | 10.0 | 10.5 | | ug/L | | 105 | 62 - 142 |
| Carbon tetrachloride | 10.0 | 10.3 | | ug/L | | 103 | 66 - 128 |
| Chlorobenzene | 10.0 | 9.77 | | ug/L | | 98 | 85 - 110 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 10.4 | | ug/L | | 104 | 68 - 118 |
| Chloroethane | 10.0 | 11.3 | | ug/L | | 113 | 25 - 153 |
| Chloroform | 10.0 | 9.94 | | ug/L | | 99 | 79 - 117 |
| Chloromethane | 10.0 | 10.7 | | ug/L | | 107 | 44 - 126 |
| cis-1,3-Dichloropropene | 10.0 | 9.90 | | ug/L | | 99 | 61 - 115 |
| 1,1,1-Trichloroethane | 10.0 | 10.1 | | ug/L | | 101 | 74 - 118 |
| Bromodichloromethane | 10.0 | 9.65 | | ug/L | | 97 | 72 - 121 |
| 1,1,2-Trichloroethane | 10.0 | 9.63 | | ug/L | | 96 | 80 - 112 |
| Cyclohexane | 10.0 | 10.3 | | ug/L | | 103 | 54 - 121 |
| Ethylbenzene | 10.0 | 9.51 | | ug/L | | 95 | 83 - 112 |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 7.61 | | ug/L | | 76 | 42 - 136 |
| 1,2-Dibromoethane | 10.0 | 9.82 | | ug/L | | 98 | 79 - 113 |
| Dichlorodifluoromethane | 10.0 | 10.6 | | ug/L | | 106 | 19 - 129 |
| cis-1,2-Dichloroethene | 10.0 | 10.2 | | ug/L | | 102 | 80 - 113 |
| 2-Butanone | 20.0 | 20.5 | | ug/L | | 102 | 60 - 126 |
| 4-Methyl-2-pentanone | 20.0 | 19.4 | | ug/L | | 97 | 63 - 128 |
| Isopropylbenzene | 10.0 | 9.57 | | ug/L | | 96 | 75 - 114 |
| Methyl acetate | 50.0 | 45.7 | | ug/L | | 91 | 58 - 131 |
| Methyl tert-butyl ether | 10.0 | 9.87 | | ug/L | | 99 | 52 - 144 |
| Methylene Chloride | 10.0 | 10.5 | | ug/L | | 105 | 66 - 131 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 11.6 | | ug/L | | 116 | 74 - 151 |
| 1,2,4-Trichlorobenzene | 10.0 | 7.73 | | ug/L | | 77 | 48 - 135 |
| Styrene | 10.0 | 9.22 | | ug/L | | 92 | 79 - 114 |
| 1,2-Dichlorobenzene | 10.0 | 9.58 | | ug/L | | 96 | 81 - 110 |
| Tetrachloroethene | 10.0 | 9.50 | | ug/L | | 95 | 79 - 114 |
| 1,3-Dichlorobenzene | 10.0 | 9.86 | | ug/L | | 99 | 80 - 110 |
| Toluene | 10.0 | 9.20 | | ug/L | | 92 | 84 - 111 |
| 1,4-Dichlorobenzene | 10.0 | 9.91 | | ug/L | | 99 | 82 - 110 |
| trans-1,2-Dichloroethene | 10.0 | 10.3 | | ug/L | | 103 | 83 - 117 |
| trans-1,3-Dichloropropene | 10.0 | 10.3 | | ug/L | | 103 | 58 - 117 |
| Trichloroethene | 10.0 | 10.1 | | ug/L | | 101 | 76 - 117 |
| Trichlorofluoromethane | 10.0 | 11.8 | | ug/L | | 118 | 49 - 157 |
| Vinyl chloride | 10.0 | 10.3 | | ug/L | | 103 | 53 - 127 |
| Xylenes, Total | 20.0 | 19.0 | | ug/L | | 95 | 83 - 112 |
| Methylcyclohexane | 10.0 | 10.3 | | ug/L | | 103 | 56 - 127 |
| m-Xylene & p-Xylene | 10.0 | 9.55 | | ug/L | | 95 | 83 - 113 |
| Dibromochloromethane | 10.0 | 9.03 | | ug/L | | 90 | 64 - 119 |
| o-Xylene | 10.0 | 9.42 | | ug/L | | 94 | 83 - 113 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-112404/4**
**Matrix: Water**
**Analysis Batch: 112404**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *63 - 129* |
| *4-Bromofluorobenzene (Surr)* | *89* | | *66 - 117* |
| *Toluene-d8 (Surr)* | *90* | | *74 - 115* |
| *Dibromofluoromethane (Surr)* | *89* | | *75 - 121* |

**Lab Sample ID: MB 240-112573/5**
**Matrix: Water**
**Analysis Batch: 112573**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 11:54 | 1 |
| Acetone | ND | | 10 | 1.1 | ug/L | | | 12/06/13 11:54 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 11:54 | 1 |
| Bromoform | ND | | 1.0 | 0.64 | ug/L | | | 12/06/13 11:54 | 1 |
| 2-Hexanone | ND | | 10 | 0.41 | ug/L | | | 12/06/13 11:54 | 1 |
| Bromomethane | ND | | 1.0 | 0.41 | ug/L | | | 12/06/13 11:54 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 11:54 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 11:54 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 11:54 | 1 |
| Chloroethane | ND | | 1.0 | 0.29 | ug/L | | | 12/06/13 11:54 | 1 |
| Chloroform | ND | | 1.0 | 0.16 | ug/L | | | 12/06/13 11:54 | 1 |
| Chloromethane | ND | | 1.0 | 0.30 | ug/L | | | 12/06/13 11:54 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 11:54 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 | ug/L | | | 12/06/13 11:54 | 1 |
| Cyclohexane | ND | | 1.0 | 0.12 | ug/L | | | 12/06/13 11:54 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.24 | ug/L | | | 12/06/13 11:54 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.31 | ug/L | | | 12/06/13 11:54 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 11:54 | 1 |
| 2-Butanone | ND | | 10 | 0.57 | ug/L | | | 12/06/13 11:54 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.32 | ug/L | | | 12/06/13 11:54 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 11:54 | 1 |
| Methyl acetate | ND | | 10 | 0.38 | ug/L | | | 12/06/13 11:54 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 11:54 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.33 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 | ug/L | | | 12/06/13 11:54 | 1 |
| Styrene | ND | | 1.0 | 0.11 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 11:54 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.29 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 12/06/13 11:54 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-112573/5**
**Matrix: Water**
**Analysis Batch: 112573**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | 0.153 | J | 1.0 | 0.13 | ug/L | | | 12/06/13 11:54 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 11:54 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 11:54 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 | ug/L | | | 12/06/13 11:54 | 1 |
| Trichloroethene | ND | | 1.0 | 0.17 | ug/L | | | 12/06/13 11:54 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.21 | ug/L | | | 12/06/13 11:54 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.22 | ug/L | | | 12/06/13 11:54 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.14 | ug/L | | | 12/06/13 11:54 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.13 | ug/L | | | 12/06/13 11:54 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.18 | ug/L | | | 12/06/13 11:54 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *63 - 129* | | *12/06/13 11:54* | *1* |
| *4-Bromofluorobenzene (Surr)* | *92* | | *66 - 117* | | *12/06/13 11:54* | *1* |
| *Toluene-d8 (Surr)* | *88* | | *74 - 115* | | *12/06/13 11:54* | *1* |
| *Dibromofluoromethane (Surr)* | *89* | | *75 - 121* | | *12/06/13 11:54* | *1* |

**Lab Sample ID: LCS 240-112573/4**
**Matrix: Water**
**Analysis Batch: 112573**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 10.0 | 10.5 | | ug/L | | 105 | 82 - 115 |
| 1,2-Dichloroethane | 10.0 | 9.84 | | ug/L | | 98 | 71 - 127 |
| 1,1-Dichloroethene | 10.0 | 10.6 | | ug/L | | 106 | 78 - 131 |
| 1,2-Dichloropropane | 10.0 | 9.97 | | ug/L | | 100 | 81 - 115 |
| Acetone | 20.0 | 20.5 | | ug/L | | 102 | 43 - 136 |
| Benzene | 10.0 | 9.94 | | ug/L | | 99 | 83 - 112 |
| Bromoform | 10.0 | 8.31 | | ug/L | | 83 | 40 - 131 |
| 2-Hexanone | 20.0 | 18.1 | | ug/L | | 91 | 55 - 133 |
| Bromomethane | 10.0 | 13.8 | | ug/L | | 138 | 11 - 185 |
| Carbon disulfide | 10.0 | 10.7 | | ug/L | | 107 | 62 - 142 |
| Carbon tetrachloride | 10.0 | 10.5 | | ug/L | | 105 | 66 - 128 |
| Chlorobenzene | 10.0 | 9.88 | | ug/L | | 99 | 85 - 110 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.14 | | ug/L | | 91 | 68 - 118 |
| Chloroethane | 10.0 | 11.5 | | ug/L | | 115 | 25 - 153 |
| Chloroform | 10.0 | 10.2 | | ug/L | | 102 | 79 - 117 |
| Chloromethane | 10.0 | 11.2 | | ug/L | | 112 | 44 - 126 |
| cis-1,3-Dichloropropene | 10.0 | 9.06 | | ug/L | | 91 | 61 - 115 |
| 1,1,1-Trichloroethane | 10.0 | 10.3 | | ug/L | | 103 | 74 - 118 |
| Bromodichloromethane | 10.0 | 9.06 | | ug/L | | 91 | 72 - 121 |
| 1,1,2-Trichloroethane | 10.0 | 9.40 | | ug/L | | 94 | 80 - 112 |
| Cyclohexane | 10.0 | 10.4 | | ug/L | | 104 | 54 - 121 |
| Ethylbenzene | 10.0 | 10.0 | | ug/L | | 100 | 83 - 112 |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 8.50 | | ug/L | | 85 | 42 - 136 |
| 1,2-Dibromoethane | 10.0 | 9.14 | | ug/L | | 91 | 79 - 113 |
| Dichlorodifluoromethane | 10.0 | 10.6 | | ug/L | | 106 | 19 - 129 |
| cis-1,2-Dichloroethene | 10.0 | 10.5 | | ug/L | | 105 | 80 - 113 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-112573/4**
**Matrix: Water**
**Analysis Batch: 112573**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 2-Butanone | 20.0 | 19.5 | | ug/L | | 97 | 60 - 126 |
| 4-Methyl-2-pentanone | 20.0 | 19.0 | | ug/L | | 95 | 63 - 128 |
| Isopropylbenzene | 10.0 | 10.3 | | ug/L | | 103 | 75 - 114 |
| Methyl acetate | 50.0 | 45.5 | | ug/L | | 91 | 58 - 131 |
| Methyl tert-butyl ether | 10.0 | 10.1 | | ug/L | | 101 | 52 - 144 |
| Methylene Chloride | 10.0 | 11.1 | | ug/L | | 111 | 66 - 131 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 11.9 | | ug/L | | 119 | 74 - 151 |
| 1,2,4-Trichlorobenzene | 10.0 | 9.71 | | ug/L | | 97 | 48 - 135 |
| Styrene | 10.0 | 9.40 | | ug/L | | 94 | 79 - 114 |
| 1,2-Dichlorobenzene | 10.0 | 9.81 | | ug/L | | 98 | 81 - 110 |
| Tetrachloroethene | 10.0 | 9.57 | | ug/L | | 96 | 79 - 114 |
| 1,3-Dichlorobenzene | 10.0 | 9.60 | | ug/L | | 96 | 80 - 110 |
| Toluene | 10.0 | 9.21 | | ug/L | | 92 | 84 - 111 |
| 1,4-Dichlorobenzene | 10.0 | 9.67 | | ug/L | | 97 | 82 - 110 |
| trans-1,2-Dichloroethene | 10.0 | 10.8 | | ug/L | | 108 | 83 - 117 |
| trans-1,3-Dichloropropene | 10.0 | 9.61 | | ug/L | | 96 | 58 - 117 |
| Trichloroethene | 10.0 | 9.73 | | ug/L | | 97 | 76 - 117 |
| Trichlorofluoromethane | 10.0 | 12.7 | | ug/L | | 127 | 49 - 157 |
| Vinyl chloride | 10.0 | 10.6 | | ug/L | | 106 | 53 - 127 |
| Xylenes, Total | 20.0 | 20.2 | | ug/L | | 101 | 83 - 112 |
| Methylcyclohexane | 10.0 | 10.6 | | ug/L | | 106 | 56 - 127 |
| m-Xylene & p-Xylene | 10.0 | 10.0 | | ug/L | | 100 | 83 - 113 |
| Dibromochloromethane | 10.0 | 8.51 | | ug/L | | 85 | 64 - 119 |
| o-Xylene | 10.0 | 10.2 | | ug/L | | 102 | 83 - 113 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *87* | | *63 - 129* |
| *4-Bromofluorobenzene (Surr)* | *89* | | *66 - 117* |
| *Toluene-d8 (Surr)* | *90* | | *74 - 115* |
| *Dibromofluoromethane (Surr)* | *90* | | *75 - 121* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 240-111601/18-A**
**Matrix: Water**
**Analysis Batch: 111731**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 111601**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 0.20 | 0.059 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Benzo[b]fluoranthene | ND | | 0.20 | 0.059 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.20 | 0.050 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Benzo[a]pyrene | ND | | 0.20 | 0.030 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| 2-Chloronaphthalene | ND | | 1.0 | 0.12 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Benzo[k]fluoranthene | ND | | 0.20 | 0.048 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| 2-Methylnaphthalene | ND | | 0.20 | 0.037 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Anthracene | ND | | 0.20 | 0.031 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| 1-Methylnaphthalene | ND | | 0.20 | 0.032 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-111601/18-A**
**Matrix: Water**
**Analysis Batch: 111731**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 111601**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoranthene | ND | | 0.20 | 0.027 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Fluorene | ND | | 0.20 | 0.034 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.20 | 0.048 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Phenanthrene | ND | | 0.20 | 0.031 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Pyrene | ND | | 0.20 | 0.028 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Acenaphthene | ND | | 0.20 | 0.044 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Acenaphthylene | ND | | 0.20 | 0.020 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Chrysene | ND | | 0.20 | 0.035 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.20 | 0.040 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |
| Naphthalene | ND | | 0.20 | 0.043 | ug/L | | 11/27/13 10:14 | 11/29/13 14:22 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *75* | | *29 - 110* | *11/27/13 10:14* | *11/29/13 14:22* | *1* |
| *Nitrobenzene-d5 (Surr)* | *81* | | *31 - 110* | *11/27/13 10:14* | *11/29/13 14:22* | *1* |
| *Terphenyl-d14 (Surr)* | *107* | | *31 - 115* | *11/27/13 10:14* | *11/29/13 14:22* | *1* |

**Lab Sample ID: LCS 240-111601/19-A**
**Matrix: Water**
**Analysis Batch: 111848**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 111601**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | 8.00 | 7.14 | | ug/L | | 89 | 40 - 160 |
| Benzo[b]fluoranthene | 8.00 | 6.89 | | ug/L | | 86 | 40 - 160 |
| Benzo[g,h,i]perylene | 8.00 | 6.46 | | ug/L | | 81 | 40 - 160 |
| Benzo[a]pyrene | 8.00 | 6.98 | | ug/L | | 87 | 40 - 160 |
| 2-Chloronaphthalene | 8.00 | 5.74 | | ug/L | | 72 | 40 - 160 |
| Benzo[k]fluoranthene | 8.00 | 6.77 | | ug/L | | 85 | 40 - 160 |
| 2-Methylnaphthalene | 8.00 | 5.39 | | ug/L | | 67 | 40 - 160 |
| Anthracene | 8.00 | 6.63 | | ug/L | | 83 | 40 - 160 |
| 1-Methylnaphthalene | 8.00 | 5.52 | | ug/L | | 69 | 40 - 160 |
| Fluoranthene | 8.00 | 7.00 | | ug/L | | 88 | 40 - 160 |
| Fluorene | 8.00 | 6.41 | | ug/L | | 80 | 40 - 160 |
| Indeno[1,2,3-cd]pyrene | 8.00 | 6.58 | | ug/L | | 82 | 40 - 160 |
| Phenanthrene | 8.00 | 6.74 | | ug/L | | 84 | 40 - 160 |
| Pyrene | 8.00 | 7.41 | | ug/L | | 93 | 40 - 160 |
| Acenaphthene | 8.00 | 6.40 | | ug/L | | 80 | 40 - 160 |
| Acenaphthylene | 8.00 | 5.85 | | ug/L | | 73 | 40 - 160 |
| Chrysene | 8.00 | 7.31 | | ug/L | | 91 | 40 - 160 |
| Dibenz(a,h)anthracene | 8.00 | 6.14 | | ug/L | | 77 | 40 - 160 |
| Naphthalene | 8.00 | 5.21 | | ug/L | | 65 | 40 - 160 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *70* | | *29 - 110* |
| *Nitrobenzene-d5 (Surr)* | *65* | | *31 - 110* |
| *Terphenyl-d14 (Surr)* | *93* | | *31 - 115* |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-112041/21-A**
**Matrix: Solid**
**Analysis Batch: 112370**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 112041**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 6.7 | 0.63 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Benzo[b]fluoranthene | ND | | 6.7 | 0.59 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Benzo[g,h,i]perylene | ND | | 6.7 | 0.35 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Benzo[a]pyrene | ND | | 6.7 | 0.64 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Benzo[k]fluoranthene | ND | | 6.7 | 0.68 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Anthracene | ND | | 6.7 | 0.78 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Fluoranthene | ND | | 6.7 | 0.55 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Fluorene | ND | | 6.7 | 0.53 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 6.7 | 0.35 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Phenanthrene | ND | | 6.7 | 0.73 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Pyrene | ND | | 6.7 | 0.44 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Acenaphthene | ND | | 6.7 | 0.76 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Acenaphthylene | ND | | 6.7 | 0.35 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Chrysene | ND | | 6.7 | 1.1 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Dibenz(a,h)anthracene | ND | | 6.7 | 0.66 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |
| Naphthalene | ND | | 6.7 | 0.82 | ug/Kg | | 12/03/13 09:14 | 12/05/13 16:43 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorophenol (Surr)* | *72* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 16:43* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *56* | | *10 - 110* | *12/03/13 09:14* | *12/05/13 16:43* | *1* |
| *Phenol-d5 (Surr)* | *72* | | *26 - 110* | *12/03/13 09:14* | *12/05/13 16:43* | *1* |
| *2-Fluorobiphenyl (Surr)* | *71* | | *24 - 110* | *12/03/13 09:14* | *12/05/13 16:43* | *1* |
| *Nitrobenzene-d5 (Surr)* | *69* | | *20 - 110* | *12/03/13 09:14* | *12/05/13 16:43* | *1* |
| *Terphenyl-d14 (Surr)* | *99* | | *36 - 110* | *12/03/13 09:14* | *12/05/13 16:43* | *1* |

**Lab Sample ID: LCS 240-112041/22-A**
**Matrix: Solid**
**Analysis Batch: 112370**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 112041**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | 667 | 536 | | ug/Kg | | 80 | 50 - 110 |
| Benzo[b]fluoranthene | 667 | 561 | | ug/Kg | | 84 | 43 - 110 |
| Benzo[g,h,i]perylene | 667 | 433 | | ug/Kg | | 65 | 51 - 110 |
| Benzo[a]pyrene | 667 | 549 | | ug/Kg | | 82 | 44 - 110 |
| Benzo[k]fluoranthene | 667 | 515 | | ug/Kg | | 77 | 38 - 105 |
| Anthracene | 667 | 523 | | ug/Kg | | 78 | 48 - 110 |
| Fluoranthene | 667 | 532 | | ug/Kg | | 80 | 51 - 110 |
| Fluorene | 667 | 482 | | ug/Kg | | 72 | 46 - 110 |
| Indeno[1,2,3-cd]pyrene | 667 | 486 | | ug/Kg | | 73 | 50 - 110 |
| Phenanthrene | 667 | 497 | | ug/Kg | | 75 | 49 - 110 |
| Pyrene | 667 | 536 | | ug/Kg | | 80 | 49 - 110 |
| Acenaphthene | 667 | 489 | | ug/Kg | | 73 | 38 - 110 |
| Acenaphthylene | 667 | 453 | | ug/Kg | | 68 | 40 - 110 |
| Chrysene | 667 | 526 | | ug/Kg | | 79 | 50 - 110 |
| Dibenz(a,h)anthracene | 667 | 499 | | ug/Kg | | 75 | 51 - 110 |
| Naphthalene | 667 | 473 | | ug/Kg | | 71 | 36 - 110 |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-112041/22-A**
**Matrix: Solid**
**Analysis Batch: 112370**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 112041**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 2-Fluorophenol (Surr) | 71 | | 24 - 110 |
| 2,4,6-Tribromophenol (Surr) | 64 | | 10 - 110 |
| Phenol-d5 (Surr) | 72 | | 26 - 110 |
| 2-Fluorobiphenyl (Surr) | 70 | | 24 - 110 |
| Nitrobenzene-d5 (Surr) | 69 | | 20 - 110 |
| Terphenyl-d14 (Surr) | 100 | | 36 - 110 |

**Lab Sample ID: MB 240-112190/11-A**
**Matrix: Solid**
**Analysis Batch: 112809**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 112190**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 6.7 | 0.63 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Benzo[b]fluoranthene | ND | | 6.7 | 0.59 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Benzo[g,h,i]perylene | ND | | 6.7 | 0.35 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Benzo[a]pyrene | ND | | 6.7 | 0.64 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Benzo[k]fluoranthene | ND | | 6.7 | 0.68 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Anthracene | ND | | 6.7 | 0.78 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Fluoranthene | ND | | 6.7 | 0.55 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Fluorene | ND | | 6.7 | 0.53 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 6.7 | 0.35 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Phenanthrene | ND | | 6.7 | 0.73 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Pyrene | ND | | 6.7 | 0.44 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Acenaphthene | ND | | 6.7 | 0.76 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Acenaphthylene | ND | | 6.7 | 0.35 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Chrysene | ND | | 6.7 | 1.1 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Dibenz(a,h)anthracene | ND | | 6.7 | 0.66 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Naphthalene | ND | | 6.7 | 0.82 | ug/Kg | | 12/04/13 08:15 | 12/09/13 10:49 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 2-Fluorophenol (Surr) | 80 | | 24 - 110 | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| 2,4,6-Tribromophenol (Surr) | 87 | | 10 - 110 | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Phenol-d5 (Surr) | 85 | | 26 - 110 | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| 2-Fluorobiphenyl (Surr) | 80 | | 24 - 110 | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Nitrobenzene-d5 (Surr) | 89 | | 20 - 110 | 12/04/13 08:15 | 12/09/13 10:49 | 1 |
| Terphenyl-d14 (Surr) | 107 | | 36 - 110 | 12/04/13 08:15 | 12/09/13 10:49 | 1 |

**Lab Sample ID: LCS 240-112190/12-A**
**Matrix: Solid**
**Analysis Batch: 112809**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 112190**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | 667 | 542 | | ug/Kg | | 81 | 50 - 110 |
| Benzo[b]fluoranthene | 667 | 532 | | ug/Kg | | 80 | 43 - 110 |
| Benzo[g,h,i]perylene | 667 | 584 | | ug/Kg | | 88 | 51 - 110 |
| Benzo[a]pyrene | 667 | 552 | | ug/Kg | | 83 | 44 - 110 |
| Benzo[k]fluoranthene | 667 | 557 | | ug/Kg | | 84 | 38 - 105 |
| Anthracene | 667 | 531 | | ug/Kg | | 80 | 48 - 110 |

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-112190/12-A**
**Matrix: Solid**
**Analysis Batch: 112809**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 112190**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Fluoranthene | 667 | 552 | | ug/Kg | | 83 | 51 - 110 |
| Fluorene | 667 | 508 | | ug/Kg | | 76 | 46 - 110 |
| Indeno[1,2,3-cd]pyrene | 667 | 590 | | ug/Kg | | 88 | 50 - 110 |
| Phenanthrene | 667 | 516 | | ug/Kg | | 77 | 49 - 110 |
| Pyrene | 667 | 540 | | ug/Kg | | 81 | 49 - 110 |
| Acenaphthene | 667 | 493 | | ug/Kg | | 74 | 38 - 110 |
| Acenaphthylene | 667 | 465 | | ug/Kg | | 70 | 40 - 110 |
| Chrysene | 667 | 535 | | ug/Kg | | 80 | 50 - 110 |
| Dibenz(a,h)anthracene | 667 | 612 | | ug/Kg | | 92 | 51 - 110 |
| Naphthalene | 667 | 501 | | ug/Kg | | 75 | 36 - 110 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorophenol (Surr)* | *71* | | *24 - 110* |
| *2,4,6-Tribromophenol (Surr)* | *97* | | *10 - 110* |
| *Phenol-d5 (Surr)* | *78* | | *26 - 110* |
| *2-Fluorobiphenyl (Surr)* | *74* | | *24 - 110* |
| *Nitrobenzene-d5 (Surr)* | *85* | | *20 - 110* |
| *Terphenyl-d14 (Surr)* | *100* | | *36 - 110* |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 240-112062/23-A**
**Matrix: Solid**
**Analysis Batch: 112603**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 112062**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | ND | | 33 | 21 | ug/Kg | | 12/03/13 10:08 | 12/06/13 15:42 | 1 |
| Aroclor-1221 | ND | | 33 | 16 | ug/Kg | | 12/03/13 10:08 | 12/06/13 15:42 | 1 |
| Aroclor-1232 | ND | | 33 | 14 | ug/Kg | | 12/03/13 10:08 | 12/06/13 15:42 | 1 |
| Aroclor-1242 | ND | | 33 | 13 | ug/Kg | | 12/03/13 10:08 | 12/06/13 15:42 | 1 |
| Aroclor-1248 | ND | | 33 | 17 | ug/Kg | | 12/03/13 10:08 | 12/06/13 15:42 | 1 |
| Aroclor-1254 | ND | | 33 | 17 | ug/Kg | | 12/03/13 10:08 | 12/06/13 15:42 | 1 |
| Aroclor-1260 | ND | | 33 | 17 | ug/Kg | | 12/03/13 10:08 | 12/06/13 15:42 | 1 |
| Aroclor-1262 | ND | | 33 | 27 | ug/Kg | | 12/03/13 10:08 | 12/06/13 15:42 | 1 |
| Aroclor-1268 | ND | | 33 | 14 | ug/Kg | | 12/03/13 10:08 | 12/06/13 15:42 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tetrachloro-m-xylene* | *66* | | *29 - 151* | *12/03/13 10:08* | *12/06/13 15:42* | *1* |
| *DCB Decachlorobiphenyl* | *80* | | *14 - 163* | *12/03/13 10:08* | *12/06/13 15:42* | *1* |

**Lab Sample ID: LCS 240-112062/24-A**
**Matrix: Solid**
**Analysis Batch: 112603**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 112062**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 333 | 294 | | ug/Kg | | 88 | 62 - 120 |
| Aroclor-1260 | 333 | 281 | | ug/Kg | | 84 | 56 - 122 |

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: LCS 240-112062/24-A**
**Matrix: Solid**
**Analysis Batch: 112603**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 112062**

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Tetrachloro-m-xylene* | *93* | | *29 - 151* |
| *DCB Decachlorobiphenyl* | *81* | | *14 - 163* |

**Lab Sample ID: LCSD 240-112062/25-A**
**Matrix: Solid**
**Analysis Batch: 112603**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 112062**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 333 | 284 | | ug/Kg | | 85 | 62 - 120 | 3 | 30 |
| Aroclor-1260 | | | 333 | 263 | | ug/Kg | | 79 | 56 - 122 | 7 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *Tetrachloro-m-xylene* | *79* | | *29 - 151* |
| *DCB Decachlorobiphenyl* | *79* | | *14 - 163* |

## Method: 6010B - Metals (ICP)

**Lab Sample ID: MB 240-111608/1-A**
**Matrix: Solid**
**Analysis Batch: 111970**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 111608**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Barium | ND | | 20 | 0.071 | mg/Kg | | 11/27/13 10:27 | 12/02/13 12:10 | 1 |
| Cadmium | ND | | 0.20 | 0.036 | mg/Kg | | 11/27/13 10:27 | 12/02/13 12:10 | 1 |
| Chromium | ND | | 0.50 | 0.20 | mg/Kg | | 11/27/13 10:27 | 12/02/13 12:10 | 1 |
| Silver | ND | | 0.50 | 0.10 | mg/Kg | | 11/27/13 10:27 | 12/02/13 12:10 | 1 |
| Arsenic | ND | | 1.0 | 0.30 | mg/Kg | | 11/27/13 10:27 | 12/02/13 12:10 | 1 |
| Lead | ND | | 0.30 | 0.19 | mg/Kg | | 11/27/13 10:27 | 12/02/13 12:10 | 1 |
| Selenium | ND | | 0.50 | 0.45 | mg/Kg | | 11/27/13 10:27 | 12/02/13 12:10 | 1 |

**Lab Sample ID: LCS 240-111608/2-A**
**Matrix: Solid**
**Analysis Batch: 111970**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 111608**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Barium | | | 200 | 177 | | mg/Kg | | 89 | 80 - 120 |
| Cadmium | | | 5.00 | 5.04 | | mg/Kg | | 101 | 80 - 120 |
| Chromium | | | 20.0 | 18.6 | | mg/Kg | | 93 | 80 - 120 |
| Silver | | | 5.00 | 4.87 | | mg/Kg | | 97 | 80 - 120 |
| Arsenic | | | 200 | 194 | | mg/Kg | | 97 | 80 - 120 |
| Lead | | | 50.0 | 46.1 | | mg/Kg | | 92 | 80 - 120 |
| Selenium | | | 200 | 203 | | mg/Kg | | 102 | 80 - 120 |

## Method: 6020 - Metals (ICP/MS)

**Lab Sample ID: MB 240-112033/1-A**
**Matrix: Water**
**Analysis Batch: 112292**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 112033**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Silver | ND | | 1.0 | 0.0083 | ug/L | | 12/03/13 08:24 | 12/04/13 11:59 | 1 |
| Arsenic | 0.302 | J | 5.0 | 0.063 | ug/L | | 12/03/13 08:24 | 12/04/13 11:59 | 1 |
| Barium | 1.32 | J | 5.0 | 0.32 | ug/L | | 12/03/13 08:24 | 12/04/13 11:59 | 1 |
| Cadmium | ND | | 1.0 | 0.026 | ug/L | | 12/03/13 08:24 | 12/04/13 11:59 | 1 |
| Chromium | 0.142 | J | 2.0 | 0.13 | ug/L | | 12/03/13 08:24 | 12/04/13 11:59 | 1 |
| Lead | 0.397 | J | 1.0 | 0.14 | ug/L | | 12/03/13 08:24 | 12/04/13 11:59 | 1 |
| Selenium | ND | | 5.0 | 0.34 | ug/L | | 12/03/13 08:24 | 12/04/13 11:59 | 1 |

**Lab Sample ID: LCS 240-112033/3-A**
**Matrix: Water**
**Analysis Batch: 112292**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 112033**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Silver | 100 | 106 | | ug/L | | 106 | 80 - 120 |
| Arsenic | 1000 | 1030 | | ug/L | | 103 | 80 - 120 |
| Barium | 1000 | 1030 | | ug/L | | 103 | 80 - 120 |
| Cadmium | 1000 | 1080 | | ug/L | | 108 | 80 - 120 |
| Chromium | 1000 | 1060 | | ug/L | | 106 | 80 - 120 |
| Lead | 1000 | 1050 | | ug/L | | 105 | 80 - 120 |
| Selenium | 1000 | 1050 | | ug/L | | 105 | 80 - 120 |

**Lab Sample ID: 240-31868-11 MS**
**Matrix: Water**
**Analysis Batch: 112292**

**Client Sample ID: SBSY1-GW**
**Prep Type: Total Recoverable**
**Prep Batch: 112033**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Silver | 0.045 | J | 100 | 105 | | ug/L | | 105 | 10 - 139 |
| Arsenic | 9.3 | B | 1000 | 1030 | | ug/L | | 102 | 82 - 123 |
| Barium | 280 | B | 1000 | 1320 | | ug/L | | 104 | 45 - 144 |
| Cadmium | 0.25 | J | 1000 | 997 | | ug/L | | 100 | 78 - 117 |
| Chromium | 6.3 | B | 1000 | 1040 | | ug/L | | 103 | 72 - 110 |
| Lead | 6.8 | B | 1000 | 1010 | | ug/L | | 100 | 73 - 115 |
| Selenium | 1.2 | J | 1000 | 955 | | ug/L | | 95 | 72 - 148 |

**Lab Sample ID: 240-31868-11 MSD**
**Matrix: Water**
**Analysis Batch: 112292**

**Client Sample ID: SBSY1-GW**
**Prep Type: Total Recoverable**
**Prep Batch: 112033**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver | 0.045 | J | 100 | 100 | | ug/L | | 100 | 10 - 139 | 4 | 20 |
| Arsenic | 9.3 | B | 1000 | 1010 | | ug/L | | 100 | 82 - 123 | 2 | 20 |
| Barium | 280 | B | 1000 | 1290 | | ug/L | | 102 | 45 - 144 | 2 | 20 |
| Cadmium | 0.25 | J | 1000 | 980 | | ug/L | | 98 | 78 - 117 | 2 | 20 |
| Chromium | 6.3 | B | 1000 | 1020 | | ug/L | | 101 | 72 - 110 | 2 | 20 |
| Lead | 6.8 | B | 1000 | 987 | | ug/L | | 98 | 73 - 115 | 2 | 20 |
| Selenium | 1.2 | J | 1000 | 938 | | ug/L | | 94 | 72 - 148 | 2 | 20 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 240-112061/1-A**
**Matrix: Water**
**Analysis Batch: 112291**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 112061**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.12 | ug/L | | 12/03/13 14:35 | 12/04/13 12:50 | 1 |

**Lab Sample ID: LCS 240-112061/2-A**
**Matrix: Water**
**Analysis Batch: 112291**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 112061**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 5.00 | 4.43 | | ug/L | | 89 | 81 - 123 |

**Lab Sample ID: 240-31868-12 MS**
**Matrix: Water**
**Analysis Batch: 112291**

**Client Sample ID: SBSY2-GW**
**Prep Type: Total/NA**
**Prep Batch: 112061**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 0.916 | | ug/L | | 92 | 69 - 134 |

**Lab Sample ID: 240-31868-12 MSD**
**Matrix: Water**
**Analysis Batch: 112291**

**Client Sample ID: SBSY2-GW**
**Prep Type: Total/NA**
**Prep Batch: 112061**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 0.943 | | ug/L | | 94 | 69 - 134 | 3 | 20 |

## Method: 7471A - Mercury (CVAA)

**Lab Sample ID: MB 240-111618/1-A**
**Matrix: Solid**
**Analysis Batch: 111782**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 111618**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.10 | 0.015 | mg/Kg | | 11/27/13 13:55 | 11/29/13 13:48 | 1 |

**Lab Sample ID: LCS 240-111618/2-A**
**Matrix: Solid**
**Analysis Batch: 111782**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 111618**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.833 | 0.908 | | mg/Kg | | 109 | 73 - 121 |

## GC/MS VOA

### Prep Batch: 111647

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | 5035 | |
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | 5035 | |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | 5035 | |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | 5035 | |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | 5035 | |
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | 5035 | |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | 5035 | |
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | 5035 | |
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | 5035 | |
| MB 240-111647/1-A | Method Blank | Total/NA | Solid | 5035 | |
| MB 240-111647/2-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 111663

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | 5030B | |
| LCS 240-111663/2-A | Lab Control Sample | Total/NA | Solid | 5030B | |
| MB 240-111663/1-A | Method Blank | Total/NA | Solid | 5030B | |

### Analysis Batch: 111795

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | 8260B | 111647 |
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | 8260B | 111647 |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | 8260B | 111647 |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | 8260B | 111647 |
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | 8260B | 111663 |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | 8260B | 111647 |
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | 8260B | 111647 |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | 8260B | 111647 |
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | 8260B | 111647 |
| LCS 240-111663/2-A | Lab Control Sample | Total/NA | Solid | 8260B | 111663 |
| LCS 240-111795/5 | Lab Control Sample | Total/NA | Solid | 8260B | |
| MB 240-111647/1-A | Method Blank | Total/NA | Solid | 8260B | 111647 |
| MB 240-111663/1-A | Method Blank | Total/NA | Solid | 8260B | 111663 |

### Analysis Batch: 111818

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | 8260B | 111647 |
| LCS 240-111818/5 | Lab Control Sample | Total/NA | Solid | 8260B | |
| MB 240-111647/2-A | Method Blank | Total/NA | Solid | 8260B | 111647 |

### Analysis Batch: 112404

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-11 | SBSY1-GW | Total/NA | Water | 8260B | |
| 240-31868-12 | SBSY2-GW | Total/NA | Water | 8260B | |
| 240-31868-13 | SBSY3-GW | Total/NA | Water | 8260B | |
| LCS 240-112404/4 | Lab Control Sample | Total/NA | Water | 8260B | |
| MB 240-112404/5 | Method Blank | Total/NA | Water | 8260B | |

### Analysis Batch: 112573

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-14 | SBFH1-GW | Total/NA | Water | 8260B | |

## GC/MS VOA (Continued)

### Analysis Batch: 112573 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-15 | SBFH2-GW | Total/NA | Water | 8260B | |
| 240-31868-16 | SBFH3-GW | Total/NA | Water | 8260B | |
| 240-31868-17 | TRIP BLANK | Total/NA | Water | 8260B | |
| LCS 240-112573/4 | Lab Control Sample | Total/NA | Water | 8260B | |
| MB 240-112573/5 | Method Blank | Total/NA | Water | 8260B | |

## GC/MS Semi VOA

### Prep Batch: 111601

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-11 | SBSY1-GW | Total/NA | Water | 3510C | |
| 240-31868-12 | SBSY2-GW | Total/NA | Water | 3510C | |
| 240-31868-13 | SBSY3-GW | Total/NA | Water | 3510C | |
| 240-31868-14 | SBFH1-GW | Total/NA | Water | 3510C | |
| 240-31868-15 | SBFH2-GW | Total/NA | Water | 3510C | |
| 240-31868-16 | SBFH3-GW | Total/NA | Water | 3510C | |
| LCS 240-111601/19-A | Lab Control Sample | Total/NA | Water | 3510C | |
| MB 240-111601/18-A | Method Blank | Total/NA | Water | 3510C | |

### Analysis Batch: 111731

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 240-111601/18-A | Method Blank | Total/NA | Water | 8270C | 111601 |

### Analysis Batch: 111848

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-11 | SBSY1-GW | Total/NA | Water | 8270C | 111601 |
| 240-31868-12 | SBSY2-GW | Total/NA | Water | 8270C | 111601 |
| 240-31868-13 | SBSY3-GW | Total/NA | Water | 8270C | 111601 |
| 240-31868-14 | SBFH1-GW | Total/NA | Water | 8270C | 111601 |
| 240-31868-16 | SBFH3-GW | Total/NA | Water | 8270C | 111601 |
| LCS 240-111601/19-A | Lab Control Sample | Total/NA | Water | 8270C | 111601 |

### Analysis Batch: 112009

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-15 | SBFH2-GW | Total/NA | Water | 8270C | 111601 |

### Prep Batch: 112041

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | 3540C | |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | 3540C | |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | 3540C | |
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | 3540C | |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | 3540C | |
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | 3540C | |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | 3540C | |
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | 3540C | |
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | 3540C | |
| LCS 240-112041/22-A | Lab Control Sample | Total/NA | Solid | 3540C | |
| MB 240-112041/21-A | Method Blank | Total/NA | Solid | 3540C | |

## GC/MS Semi VOA (Continued)

### Prep Batch: 112190

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | 3540C | |
| LCS 240-112190/12-A | Lab Control Sample | Total/NA | Solid | 3540C | |
| MB 240-112190/11-A | Method Blank | Total/NA | Solid | 3540C | |

### Analysis Batch: 112370

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | 8270C | 112041 |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | 8270C | 112041 |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | 8270C | 112041 |
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | 8270C | 112041 |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | 8270C | 112041 |
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | 8270C | 112041 |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | 8270C | 112041 |
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | 8270C | 112041 |
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | 8270C | 112041 |
| LCS 240-112041/22-A | Lab Control Sample | Total/NA | Solid | 8270C | 112041 |
| MB 240-112041/21-A | Method Blank | Total/NA | Solid | 8270C | 112041 |

### Analysis Batch: 112809

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | 8270C | 112190 |
| LCS 240-112190/12-A | Lab Control Sample | Total/NA | Solid | 8270C | 112190 |
| MB 240-112190/11-A | Method Blank | Total/NA | Solid | 8270C | 112190 |

## GC Semi VOA

### Prep Batch: 112062

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | 3540C | |
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | 3540C | |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | 3540C | |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | 3540C | |
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | 3540C | |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | 3540C | |
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | 3540C | |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | 3540C | |
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | 3540C | |
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | 3540C | |
| LCS 240-112062/24-A | Lab Control Sample | Total/NA | Solid | 3540C | |
| LCSD 240-112062/25-A | Lab Control Sample Dup | Total/NA | Solid | 3540C | |
| MB 240-112062/23-A | Method Blank | Total/NA | Solid | 3540C | |

### Analysis Batch: 112603

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | 8082 | 112062 |
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | 8082 | 112062 |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | 8082 | 112062 |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | 8082 | 112062 |
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | 8082 | 112062 |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | 8082 | 112062 |

## GC Semi VOA (Continued)

### Analysis Batch: 112603 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | 8082 | 112062 |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | 8082 | 112062 |
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | 8082 | 112062 |
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | 8082 | 112062 |
| LCS 240-112062/24-A | Lab Control Sample | Total/NA | Solid | 8082 | 112062 |
| LCSD 240-112062/25-A | Lab Control Sample Dup | Total/NA | Solid | 8082 | 112062 |
| MB 240-112062/23-A | Method Blank | Total/NA | Solid | 8082 | 112062 |

## Metals

### Prep Batch: 111608

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | 3050B | |
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | 3050B | |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | 3050B | |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | 3050B | |
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | 3050B | |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | 3050B | |
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | 3050B | |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | 3050B | |
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | 3050B | |
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | 3050B | |
| LCS 240-111608/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| MB 240-111608/1-A | Method Blank | Total/NA | Solid | 3050B | |

### Prep Batch: 111618

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | 7471A | |
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | 7471A | |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | 7471A | |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | 7471A | |
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | 7471A | |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | 7471A | |
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | 7471A | |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | 7471A | |
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | 7471A | |
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | 7471A | |
| LCS 240-111618/2-A | Lab Control Sample | Total/NA | Solid | 7471A | |
| MB 240-111618/1-A | Method Blank | Total/NA | Solid | 7471A | |

### Analysis Batch: 111782

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | 7471A | 111618 |
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | 7471A | 111618 |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | 7471A | 111618 |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | 7471A | 111618 |
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | 7471A | 111618 |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | 7471A | 111618 |
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | 7471A | 111618 |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | 7471A | 111618 |

## Metals (Continued)

### Analysis Batch: 111782 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | 7471A | 111618 |
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | 7471A | 111618 |
| LCS 240-111618/2-A | Lab Control Sample | Total/NA | Solid | 7471A | 111618 |
| MB 240-111618/1-A | Method Blank | Total/NA | Solid | 7471A | 111618 |

### Analysis Batch: 111970

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | 6010B | 111608 |
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | 6010B | 111608 |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | 6010B | 111608 |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | 6010B | 111608 |
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | 6010B | 111608 |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | 6010B | 111608 |
| LCS 240-111608/2-A | Lab Control Sample | Total/NA | Solid | 6010B | 111608 |
| MB 240-111608/1-A | Method Blank | Total/NA | Solid | 6010B | 111608 |

### Prep Batch: 112033

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-11 | SBSY1-GW | Total Recoverable | Water | 3005A | |
| 240-31868-11 MS | SBSY1-GW | Total Recoverable | Water | 3005A | |
| 240-31868-11 MSD | SBSY1-GW | Total Recoverable | Water | 3005A | |
| 240-31868-12 | SBSY2-GW | Total Recoverable | Water | 3005A | |
| 240-31868-13 | SBSY3-GW | Total Recoverable | Water | 3005A | |
| 240-31868-14 | SBFH1-GW | Total Recoverable | Water | 3005A | |
| 240-31868-15 | SBFH2-GW | Total Recoverable | Water | 3005A | |
| 240-31868-16 | SBFH3-GW | Total Recoverable | Water | 3005A | |
| LCS 240-112033/3-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| MB 240-112033/1-A | Method Blank | Total Recoverable | Water | 3005A | |

### Analysis Batch: 112054

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | 6010B | 111608 |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | 6010B | 111608 |
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | 6010B | 111608 |
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | 6010B | 111608 |

### Prep Batch: 112061

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-11 | SBSY1-GW | Total/NA | Water | 7470A | |
| 240-31868-12 | SBSY2-GW | Total/NA | Water | 7470A | |
| 240-31868-12 MS | SBSY2-GW | Total/NA | Water | 7470A | |
| 240-31868-12 MSD | SBSY2-GW | Total/NA | Water | 7470A | |
| 240-31868-13 | SBSY3-GW | Total/NA | Water | 7470A | |
| 240-31868-14 | SBFH1-GW | Total/NA | Water | 7470A | |
| 240-31868-15 | SBFH2-GW | Total/NA | Water | 7470A | |
| 240-31868-16 | SBFH3-GW | Total/NA | Water | 7470A | |
| LCS 240-112061/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| MB 240-112061/1-A | Method Blank | Total/NA | Water | 7470A | |

## Metals (Continued)

### Analysis Batch: 112291

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-11 | SBSY1-GW | Total/NA | Water | 7470A | 112061 |
| 240-31868-12 | SBSY2-GW | Total/NA | Water | 7470A | 112061 |
| 240-31868-12 MS | SBSY2-GW | Total/NA | Water | 7470A | 112061 |
| 240-31868-12 MSD | SBSY2-GW | Total/NA | Water | 7470A | 112061 |
| 240-31868-13 | SBSY3-GW | Total/NA | Water | 7470A | 112061 |
| 240-31868-14 | SBFH1-GW | Total/NA | Water | 7470A | 112061 |
| 240-31868-15 | SBFH2-GW | Total/NA | Water | 7470A | 112061 |
| 240-31868-16 | SBFH3-GW | Total/NA | Water | 7470A | 112061 |
| LCS 240-112061/2-A | Lab Control Sample | Total/NA | Water | 7470A | 112061 |
| MB 240-112061/1-A | Method Blank | Total/NA | Water | 7470A | 112061 |

### Analysis Batch: 112292

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-11 | SBSY1-GW | Total Recoverable | Water | 6020 | 112033 |
| 240-31868-11 MS | SBSY1-GW | Total Recoverable | Water | 6020 | 112033 |
| 240-31868-11 MSD | SBSY1-GW | Total Recoverable | Water | 6020 | 112033 |
| 240-31868-12 | SBSY2-GW | Total Recoverable | Water | 6020 | 112033 |
| 240-31868-13 | SBSY3-GW | Total Recoverable | Water | 6020 | 112033 |
| 240-31868-14 | SBFH1-GW | Total Recoverable | Water | 6020 | 112033 |
| 240-31868-15 | SBFH2-GW | Total Recoverable | Water | 6020 | 112033 |
| 240-31868-16 | SBFH3-GW | Total Recoverable | Water | 6020 | 112033 |
| LCS 240-112033/3-A | Lab Control Sample | Total Recoverable | Water | 6020 | 112033 |
| MB 240-112033/1-A | Method Blank | Total Recoverable | Water | 6020 | 112033 |

## General Chemistry

### Analysis Batch: 111581

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-31868-1 | SBSY1-5/6 | Total/NA | Solid | Moisture | |
| 240-31868-2 | SBSY2-5/6 | Total/NA | Solid | Moisture | |
| 240-31868-3 | SBSY3-5/6 | Total/NA | Solid | Moisture | |
| 240-31868-4 | SBFH1-11/13 | Total/NA | Solid | Moisture | |
| 240-31868-5 | SBFH2-6/7 | Total/NA | Solid | Moisture | |
| 240-31868-6 | SBFH3-10/12 | Total/NA | Solid | Moisture | |
| 240-31868-7 | SBFH4-0/2 | Total/NA | Solid | Moisture | |
| 240-31868-8 | SBFH5-0/2 | Total/NA | Solid | Moisture | |
| 240-31868-9 | SBFH6-0/2 | Total/NA | Solid | Moisture | |
| 240-31868-9 DU | SBFH6-0/2 | Total/NA | Solid | Moisture | |
| 240-31868-10 | SBFH7-0/2 | Total/NA | Solid | Moisture | |

## Client Sample ID: SBSY1-5/6

**Lab Sample ID: 240-31868-1**

**Date Collected: 11/25/13 10:00**

**Matrix: Solid**

**Date Received: 11/26/13 09:20**

**Percent Solids: 92.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 111647 | 11/26/13 16:45 | LAM | TAL CAN |
| Total/NA | Analysis | 8260B | | 1 | 111795 | 11/30/13 04:14 | TJL2 | TAL CAN |
| Total/NA | Prep | 3540C | | | 112190 | 12/04/13 08:15 | MPM | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 112809 | 12/09/13 13:41 | JMG | TAL CAN |
| Total/NA | Prep | 3540C | | | 112062 | 12/03/13 10:08 | MPM | TAL CAN |
| Total/NA | Analysis | 8082 | | 1 | 112603 | 12/06/13 13:11 | LSH | TAL CAN |
| Total/NA | Prep | 7471A | | | 111618 | 11/27/13 13:55 | DEE | TAL CAN |
| Total/NA | Analysis | 7471A | | 1 | 111782 | 11/29/13 14:51 | AMM2 | TAL CAN |
| Total/NA | Prep | 3050B | | | 111608 | 11/27/13 10:27 | DEE | TAL CAN |
| Total/NA | Analysis | 6010B | | 1 | 111970 | 12/02/13 13:36 | NJT | TAL CAN |
| Total/NA | Analysis | Moisture | | 1 | 111581 | 11/27/13 09:31 | JMB | TAL CAN |

## Client Sample ID: SBSY2-5/6

**Lab Sample ID: 240-31868-2**

**Date Collected: 11/25/13 10:30**

**Matrix: Solid**

**Date Received: 11/26/13 09:20**

**Percent Solids: 89.2**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 111647 | 11/26/13 16:45 | LAM | TAL CAN |
| Total/NA | Analysis | 8260B | | 1 | 111795 | 11/30/13 04:35 | TJL2 | TAL CAN |
| Total/NA | Prep | 3540C | | | 112041 | 12/03/13 09:14 | MPM | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 112370 | 12/05/13 19:04 | JMG | TAL CAN |
| Total/NA | Prep | 3540C | | | 112062 | 12/03/13 10:08 | MPM | TAL CAN |
| Total/NA | Analysis | 8082 | | 1 | 112603 | 12/06/13 13:26 | LSH | TAL CAN |
| Total/NA | Prep | 7471A | | | 111618 | 11/27/13 13:55 | DEE | TAL CAN |
| Total/NA | Analysis | 7471A | | 1 | 111782 | 11/29/13 14:20 | AMM2 | TAL CAN |
| Total/NA | Prep | 3050B | | | 111608 | 11/27/13 10:27 | DEE | TAL CAN |
| Total/NA | Analysis | 6010B | | 1 | 111970 | 12/02/13 13:40 | NJT | TAL CAN |
| Total/NA | Analysis | Moisture | | 1 | 111581 | 11/27/13 09:31 | JMB | TAL CAN |

## Client Sample ID: SBSY3-5/6

**Lab Sample ID: 240-31868-3**

**Date Collected: 11/25/13 10:55**

**Matrix: Solid**

**Date Received: 11/26/13 09:20**

**Percent Solids: 86.9**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 111647 | 11/26/13 16:45 | LAM | TAL CAN |
| Total/NA | Analysis | 8260B | | 1 | 111795 | 11/30/13 04:56 | TJL2 | TAL CAN |
| Total/NA | Prep | 3540C | | | 112041 | 12/03/13 09:14 | MPM | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 112370 | 12/05/13 17:54 | JMG | TAL CAN |
| Total/NA | Prep | 3540C | | | 112062 | 12/03/13 10:08 | MPM | TAL CAN |
| Total/NA | Analysis | 8082 | | 1 | 112603 | 12/06/13 13:41 | LSH | TAL CAN |
| Total/NA | Prep | 7471A | | | 111618 | 11/27/13 13:55 | DEE | TAL CAN |
| Total/NA | Analysis | 7471A | | 1 | 111782 | 11/29/13 14:22 | AMM2 | TAL CAN |
| Total/NA | Prep | 3050B | | | 111608 | 11/27/13 10:27 | DEE | TAL CAN |

## Client Sample ID: SBSY3-5/6

**Lab Sample ID: 240-31868-3**

**Date Collected: 11/25/13 10:55**

**Matrix: Solid**

**Date Received: 11/26/13 09:20**

**Percent Solids: 86.9**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 6010B | | 1 | 111970 | 12/02/13 13:44 | NJT | TAL CAN |
| Total/NA | Analysis | Moisture | | 1 | 111581 | 11/27/13 09:31 | JMB | TAL CAN |

## Client Sample ID: SBFH1-11/13

**Lab Sample ID: 240-31868-4**

**Date Collected: 11/25/13 15:20**

**Matrix: Solid**

**Date Received: 11/26/13 09:20**

**Percent Solids: 69.6**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 111647 | 11/26/13 16:45 | LAM | TAL CAN |
| Total/NA | Analysis | 8260B | | 1 | 111795 | 11/30/13 05:17 | TJL2 | TAL CAN |
| Total/NA | Prep | 3540C | | | 112041 | 12/03/13 09:14 | MPM | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 112370 | 12/05/13 18:17 | JMG | TAL CAN |
| Total/NA | Prep | 3540C | | | 112062 | 12/03/13 10:08 | MPM | TAL CAN |
| Total/NA | Analysis | 8082 | | 1 | 112603 | 12/06/13 13:56 | LSH | TAL CAN |
| Total/NA | Prep | 7471A | | | 111618 | 11/27/13 13:55 | DEE | TAL CAN |
| Total/NA | Analysis | 7471A | | 1 | 111782 | 11/29/13 14:24 | AMM2 | TAL CAN |
| Total/NA | Prep | 3050B | | | 111608 | 11/27/13 10:27 | DEE | TAL CAN |
| Total/NA | Analysis | 6010B | | 1 | 111970 | 12/02/13 13:48 | NJT | TAL CAN |
| Total/NA | Analysis | Moisture | | 1 | 111581 | 11/27/13 09:31 | JMB | TAL CAN |

## Client Sample ID: SBFH2-6/7

**Lab Sample ID: 240-31868-5**

**Date Collected: 11/25/13 13:00**

**Matrix: Solid**

**Date Received: 11/26/13 09:20**

**Percent Solids: 91.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5030B | | | 111663 | 11/27/13 15:00 | LAM | TAL CAN |
| Total/NA | Analysis | 8260B | | 4 | 111795 | 11/30/13 08:07 | TJL2 | TAL CAN |
| Total/NA | Prep | 3540C | | | 112041 | 12/03/13 09:14 | MPM | TAL CAN |
| Total/NA | Analysis | 8270C | | 5 | 112370 | 12/05/13 20:38 | JMG | TAL CAN |
| Total/NA | Prep | 3540C | | | 112062 | 12/03/13 10:08 | MPM | TAL CAN |
| Total/NA | Analysis | 8082 | | 1 | 112603 | 12/06/13 14:11 | LSH | TAL CAN |
| Total/NA | Prep | 7471A | | | 111618 | 11/27/13 13:55 | DEE | TAL CAN |
| Total/NA | Analysis | 7471A | | 1 | 111782 | 11/29/13 14:26 | AMM2 | TAL CAN |
| Total/NA | Prep | 3050B | | | 111608 | 11/27/13 10:27 | DEE | TAL CAN |
| Total/NA | Analysis | 6010B | | 1 | 111970 | 12/02/13 13:53 | NJT | TAL CAN |
| Total/NA | Analysis | Moisture | | 1 | 111581 | 11/27/13 09:31 | JMB | TAL CAN |

## Client Sample ID: SBFH3-10/12

**Lab Sample ID: 240-31868-6**

**Date Collected: 11/25/13 13:55**

**Matrix: Solid**

**Date Received: 11/26/13 09:20**

**Percent Solids: 74.2**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 111647 | 11/26/13 16:45 | LAM | TAL CAN |

## Client Sample ID: SBFH3-10/12

**Lab Sample ID: 240-31868-6**

**Date Collected: 11/25/13 13:55**
**Matrix: Solid**
**Date Received: 11/26/13 09:20**
**Percent Solids: 74.2**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 111795 | 11/30/13 05:39 | TJL2 | TAL CAN |
| Total/NA | Prep | 3540C | | | 112041 | 12/03/13 09:14 | MPM | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 112370 | 12/05/13 17:30 | JMG | TAL CAN |
| Total/NA | Prep | 3540C | | | 112062 | 12/03/13 10:08 | MPM | TAL CAN |
| Total/NA | Analysis | 8082 | | 1 | 112603 | 12/06/13 14:26 | LSH | TAL CAN |
| Total/NA | Prep | 7471A | | | 111618 | 11/27/13 13:55 | DEE | TAL CAN |
| Total/NA | Analysis | 7471A | | 1 | 111782 | 11/29/13 14:28 | AMM2 | TAL CAN |
| Total/NA | Prep | 3050B | | | 111608 | 11/27/13 10:27 | DEE | TAL CAN |
| Total/NA | Analysis | 6010B | | 1 | 111970 | 12/02/13 13:57 | NJT | TAL CAN |
| Total/NA | Analysis | Moisture | | 1 | 111581 | 11/27/13 09:31 | JMB | TAL CAN |

## Client Sample ID: SBFH4-0/2

**Lab Sample ID: 240-31868-7**

**Date Collected: 11/25/13 15:35**
**Matrix: Solid**
**Date Received: 11/26/13 09:20**
**Percent Solids: 83.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 111647 | 11/26/13 16:45 | LAM | TAL CAN |
| Total/NA | Analysis | 8260B | | 1 | 111795 | 11/30/13 06:00 | TJL2 | TAL CAN |
| Total/NA | Prep | 3540C | | | 112041 | 12/03/13 09:14 | MPM | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 112370 | 12/05/13 19:27 | JMG | TAL CAN |
| Total/NA | Prep | 3540C | | | 112062 | 12/03/13 10:08 | MPM | TAL CAN |
| Total/NA | Analysis | 8082 | | 1 | 112603 | 12/06/13 14:42 | LSH | TAL CAN |
| Total/NA | Prep | 7471A | | | 111618 | 11/27/13 13:55 | DEE | TAL CAN |
| Total/NA | Analysis | 7471A | | 1 | 111782 | 11/29/13 14:36 | AMM2 | TAL CAN |
| Total/NA | Prep | 3050B | | | 111608 | 11/27/13 10:27 | DEE | TAL CAN |
| Total/NA | Analysis | 6010B | | 1 | 112054 | 12/03/13 15:14 | KLC | TAL CAN |
| Total/NA | Analysis | Moisture | | 1 | 111581 | 11/27/13 09:31 | JMB | TAL CAN |

## Client Sample ID: SBFH5-0/2

**Lab Sample ID: 240-31868-8**

**Date Collected: 11/25/13 15:50**
**Matrix: Solid**
**Date Received: 11/26/13 09:20**
**Percent Solids: 87.9**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 111647 | 11/26/13 16:45 | LAM | TAL CAN |
| Total/NA | Analysis | 8260B | | 1 | 111795 | 11/30/13 06:21 | TJL2 | TAL CAN |
| Total/NA | Prep | 3540C | | | 112041 | 12/03/13 09:14 | MPM | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 112370 | 12/05/13 18:41 | JMG | TAL CAN |
| Total/NA | Prep | 3540C | | | 112062 | 12/03/13 10:08 | MPM | TAL CAN |
| Total/NA | Analysis | 8082 | | 1 | 112603 | 12/06/13 14:57 | LSH | TAL CAN |
| Total/NA | Prep | 7471A | | | 111618 | 11/27/13 13:55 | DEE | TAL CAN |
| Total/NA | Analysis | 7471A | | 1 | 111782 | 11/29/13 14:38 | AMM2 | TAL CAN |
| Total/NA | Prep | 3050B | | | 111608 | 11/27/13 10:27 | DEE | TAL CAN |
| Total/NA | Analysis | 6010B | | 1 | 112054 | 12/03/13 15:19 | KLC | TAL CAN |

## Client Sample ID: SBFH5-0/2

**Lab Sample ID: 240-31868-8**

**Date Collected: 11/25/13 15:50**

**Matrix: Solid**

**Date Received: 11/26/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 111581 | 11/27/13 09:31 | JMB | TAL CAN |

## Client Sample ID: SBFH6-0/2

**Lab Sample ID: 240-31868-9**

**Date Collected: 11/25/13 16:00**

**Matrix: Solid**

**Date Received: 11/26/13 09:20**

**Percent Solids: 80.2**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 111647 | 11/26/13 16:45 | LAM | TAL CAN |
| Total/NA | Analysis | 8260B | | 1 | 111795 | 11/30/13 06:42 | TJL2 | TAL CAN |
| Total/NA | Prep | 3540C | | | 112041 | 12/03/13 09:14 | MPM | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 112370 | 12/05/13 19:51 | JMG | TAL CAN |
| Total/NA | Prep | 3540C | | | 112062 | 12/03/13 10:08 | MPM | TAL CAN |
| Total/NA | Analysis | 8082 | | 1 | 112603 | 12/06/13 15:12 | LSH | TAL CAN |
| Total/NA | Prep | 7471A | | | 111618 | 11/27/13 13:55 | DEE | TAL CAN |
| Total/NA | Analysis | 7471A | | 1 | 111782 | 11/29/13 14:40 | AMM2 | TAL CAN |
| Total/NA | Prep | 3050B | | | 111608 | 11/27/13 10:27 | DEE | TAL CAN |
| Total/NA | Analysis | 6010B | | 1 | 112054 | 12/03/13 15:23 | KLC | TAL CAN |
| Total/NA | Analysis | Moisture | | 1 | 111581 | 11/27/13 09:31 | JMB | TAL CAN |

## Client Sample ID: SBFH7-0/2

**Lab Sample ID: 240-31868-10**

**Date Collected: 11/25/13 16:15**

**Matrix: Solid**

**Date Received: 11/26/13 09:20**

**Percent Solids: 83.5**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 111647 | 11/26/13 16:45 | LAM | TAL CAN |
| Total/NA | Analysis | 8260B | | 1 | 111818 | 12/01/13 04:45 | TJL2 | TAL CAN |
| Total/NA | Prep | 3540C | | | 112041 | 12/03/13 09:14 | MPM | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 112370 | 12/05/13 20:14 | JMG | TAL CAN |
| Total/NA | Prep | 3540C | | | 112062 | 12/03/13 10:08 | MPM | TAL CAN |
| Total/NA | Analysis | 8082 | | 1 | 112603 | 12/06/13 15:27 | LSH | TAL CAN |
| Total/NA | Prep | 7471A | | | 111618 | 11/27/13 13:55 | DEE | TAL CAN |
| Total/NA | Analysis | 7471A | | 1 | 111782 | 11/29/13 14:42 | AMM2 | TAL CAN |
| Total/NA | Prep | 3050B | | | 111608 | 11/27/13 10:27 | DEE | TAL CAN |
| Total/NA | Analysis | 6010B | | 1 | 112054 | 12/03/13 15:35 | KLC | TAL CAN |
| Total/NA | Analysis | Moisture | | 1 | 111581 | 11/27/13 09:31 | JMB | TAL CAN |

## Client Sample ID: SBSY1-GW

**Lab Sample ID: 240-31868-11**

**Date Collected: 11/25/13 12:10**

**Matrix: Water**

**Date Received: 11/26/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 112404 | 12/05/13 19:05 | LEE | TAL CAN |
| Total/NA | Prep | 3510C | | | 111601 | 11/27/13 10:14 | CSC | TAL CAN |

## Client Sample ID: SBSY1-GW

**Lab Sample ID: 240-31868-11**

**Date Collected: 11/25/13 12:10**

**Matrix: Water**

**Date Received: 11/26/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8270C | | 1 | 111848 | 12/02/13 16:26 | TMH | TAL CAN |
| Total/NA | Prep | 7470A | | | 112061 | 12/03/13 14:35 | LPM | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 112291 | 12/04/13 13:03 | AMM2 | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 112033 | 12/03/13 08:24 | LPM | TAL CAN |
| Total Recoverable | Analysis | 6020 | | 1 | 112292 | 12/04/13 12:07 | RKT | TAL CAN |

## Client Sample ID: SBSY2-GW

**Lab Sample ID: 240-31868-12**

**Date Collected: 11/25/13 11:50**

**Matrix: Water**

**Date Received: 11/26/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 112404 | 12/05/13 19:27 | LEE | TAL CAN |
| Total/NA | Prep | 3510C | | | 111601 | 11/27/13 10:14 | CSC | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 111848 | 12/02/13 16:48 | TMH | TAL CAN |
| Total/NA | Prep | 7470A | | | 112061 | 12/03/13 14:35 | LPM | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 112291 | 12/04/13 12:52 | AMM2 | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 112033 | 12/03/13 08:24 | LPM | TAL CAN |
| Total Recoverable | Analysis | 6020 | | 1 | 112292 | 12/04/13 12:38 | RKT | TAL CAN |

## Client Sample ID: SBSY3-GW

**Lab Sample ID: 240-31868-13**

**Date Collected: 11/25/13 11:10**

**Matrix: Water**

**Date Received: 11/26/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 112404 | 12/05/13 19:49 | LEE | TAL CAN |
| Total/NA | Prep | 3510C | | | 111601 | 11/27/13 10:14 | CSC | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 111848 | 12/02/13 17:10 | TMH | TAL CAN |
| Total/NA | Prep | 7470A | | | 112061 | 12/03/13 14:35 | LPM | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 112291 | 12/04/13 13:05 | AMM2 | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 112033 | 12/03/13 08:24 | LPM | TAL CAN |
| Total Recoverable | Analysis | 6020 | | 1 | 112292 | 12/04/13 12:50 | RKT | TAL CAN |

## Client Sample ID: SBFH1-GW

**Lab Sample ID: 240-31868-14**

**Date Collected: 11/25/13 15:20**

**Matrix: Water**

**Date Received: 11/26/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 112573 | 12/06/13 19:14 | LEE | TAL CAN |
| Total/NA | Prep | 3510C | | | 111601 | 11/27/13 10:14 | CSC | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 111848 | 12/02/13 17:32 | TMH | TAL CAN |
| Total/NA | Prep | 7470A | | | 112061 | 12/03/13 14:35 | LPM | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 112291 | 12/04/13 13:06 | AMM2 | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 112033 | 12/03/13 08:24 | LPM | TAL CAN |

# Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

## Client Sample ID: SBFH1-GW

**Lab Sample ID: 240-31868-14**

**Date Collected: 11/25/13 15:20**
**Matrix: Water**
**Date Received: 11/26/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Analysis | 6020 | | 1 | 112292 | 12/04/13 12:54 | RKT | TAL CAN |

## Client Sample ID: SBFH2-GW

**Lab Sample ID: 240-31868-15**

**Date Collected: 11/25/13 13:20**
**Matrix: Water**
**Date Received: 11/26/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 11.11 | 112573 | 12/06/13 19:37 | LEE | TAL CAN |
| Total/NA | Prep | 3510C | | | 111601 | 11/27/13 10:14 | CSC | TAL CAN |
| Total/NA | Analysis | 8270C | | 2.5 | 112009 | 12/03/13 10:29 | TMH | TAL CAN |
| Total/NA | Prep | 7470A | | | 112061 | 12/03/13 14:35 | LPM | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 112291 | 12/04/13 13:08 | AMM2 | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 112033 | 12/03/13 08:24 | LPM | TAL CAN |
| Total Recoverable | Analysis | 6020 | | 1 | 112292 | 12/04/13 12:58 | RKT | TAL CAN |

## Client Sample ID: SBFH3-GW

**Lab Sample ID: 240-31868-16**

**Date Collected: 11/25/13 14:10**
**Matrix: Water**
**Date Received: 11/26/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 112573 | 12/06/13 20:00 | LEE | TAL CAN |
| Total/NA | Prep | 3510C | | | 111601 | 11/27/13 10:14 | CSC | TAL CAN |
| Total/NA | Analysis | 8270C | | 1 | 111848 | 12/02/13 17:54 | TMH | TAL CAN |
| Total/NA | Prep | 7470A | | | 112061 | 12/03/13 14:35 | LPM | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 112291 | 12/04/13 13:09 | AMM2 | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 112033 | 12/03/13 08:24 | LPM | TAL CAN |
| Total Recoverable | Analysis | 6020 | | 1 | 112292 | 12/04/13 13:02 | RKT | TAL CAN |

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 240-31868-17**

**Date Collected: 11/25/13 00:00**
**Matrix: Water**
**Date Received: 11/26/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 112573 | 12/06/13 20:22 | LEE | TAL CAN |

**Laboratory References:**

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave, Suite 100, Irvine, CA 92614

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Certification Summary

Client: Stantec Consulting Corporation
Project/Site: KCH OH TX, Inc

TestAmerica Job ID: 240-31868-1

## Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

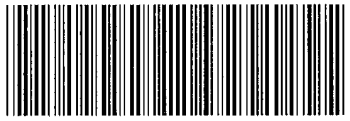
| Authority | Program | EPA Region | Certification ID | Expiration Date |
|---|---|---|---|---|
| California | NELAP | 9 | 01144CA | 06-30-14 |
| Connecticut | State Program | 1 | PH-0590 | 12-31-13 * |
| Florida | NELAP | 4 | E87225 | 06-30-14 |
| Georgia | State Program | 4 | N/A | 06-30-14 |
| Illinois | NELAP | 5 | 200004 | 07-31-14 * |
| Kansas | NELAP | 7 | E-10336 | 01-31-14 * |
| Kentucky (UST) | State Program | 4 | 58 | 06-30-14 |
| L-A-B | DoD ELAP | | L2315 | 07-18-16 |
| Nevada | State Program | 9 | OH-000482008A | 07-31-14 |
| New Jersey | NELAP | 2 | OH001 | 06-30-14 |
| New York | NELAP | 2 | 10975 | 04-01-14 |
| Ohio VAP | State Program | 5 | CL0024 | 10-31-15 |
| Pennsylvania | NELAP | 3 | 68-00340 | 08-31-14 * |
| Texas | NELAP | 6 | | 08-31-14 * |
| USDA | Federal | | P330-13-00319 | 11-26-16 |
| Virginia | NELAP | 3 | 460175 | 09-14-14 |
| Washington | State Program | 10 | C971 | 01-12-14 * |
| West Virginia DEP | State Program | 3 | 210 | 12-31-13 * |
| Wisconsin | State Program | 5 | 999518190 | 08-31-14 |

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

# CHAIN OF CUSTODY
# AND
# RECEIVING DOCUMENTS



240-31868 Chain of Custody

TestAmerica Dayton
4738 Gateway Circle
Dayton, OH 45440
Phone (937) 294-6856 Fax (937) 294-7816

# Chain of Custody Record

2.4 1.6 1.5

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

| Client Information | Sampler: Chris Krumm | Lab PM: O'Meara, Patrick J | Carrier Tracking No(s): | COC No: 240-18207-7688.1 |
|---|---|---|---|---|
| Client Contact: David Constant | Phone: 614-940-5471 | E-Mail: patrick.omeara@testamericainc.com | | Page: Page 1 of 2 |
| Company: Stantec Consulting Corporation | | | | Job #: |
| Address: 6188 Rome Circle North West | Due Date Requested: | | | |
| City: Rochester | TAT Requested (days): | | | |
| State, Zip: MN, 55901 | | | | |
| Phone: 507-529-6045(Tel) | PO #: Purchase Order Requested | | | |
| Email: david.constant@stantec.com | WO #: | | | |
| Project Name: KCH OH TX, Inc. | Project #: 24011299 | | | |
| Site: Subway Woodman Dr Dayton OH Fiesta Hair Woodman Dr. Dayton OH | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

| | |
|---|---|
| A - HCL | M - Hexane |
| B - NaOH | N - None |
| C - Zn Acetate | O - AsNaO2 |
| D - Nitric Acid | P - Na2O4S |
| E - NaHSO4 | Q - Na2SO3 |
| F - MeOH | R - Na2S2SO3 |
| G - Amchlor | S - H2SO4 |
| H - Ascorbic Acid | T - TSP Dodecahydrate |
| I - Ice | U - Acetone |
| J - DI Water | V - MCAA |
| K - EDTA | W - ph 4-5 |
| L - EDA | Z - other (specify) |

Other:

| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 6010B, 7471A, 8082, 8270C, Moisture | 8260B - VOCs-H2O preserved | 8260B - VOCs-MeOH preserved | 8270C - PAH 3511-LVI | 6020, 7470A | 8260B - VOCs | 8260B - TCL OLM03.1/4.2 Volatile Analyte List | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | N | N | N | N | D | A | A | | |
| SBSY1-5/6 | 11/25/13 | 1000 | | Solid | | | X | X | X | | | | | | |
| SBSY2-5/6 | 11/25/13 | 1030 | | Solid | | | X | X | X | | | | | | |
| SBSY3-5/6 | 11/25/13 | 1055 | | Solid | | | X | X | X | | | | | | |
| SBFH1-11/13 | 11/25/13 | 1500 | | Solid | | | X | X | X | | | | | | |
| SBFH2-6/7 | 11/25/13 | 1300 | | Solid | | | X | X | X | | | | | | |
| SBFH3-10/12 | 11/25/13 | 1355 | | Solid | | | X | X | X | | | | | | |
| SBFH4-0/2 | | 1535 | | Solid | | | X | X | X | | | | | | |
| SBFH5-0/2 | | 1550 | | Solid | | | X | X | X | | | | | | |
| SBFH6-0/2 | | 1600 | | Solid | | | X | X | X | | | | | | |
| SBFH7-0/2 | | 1615 | | Solid | | | X | X | X | | | | | | |
| SBSY1-GW | 11/23/13 | 1210 | | Water | | | | | | X | X | X | | | |

*Possible Hazard Identification*
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| 1 | CW Krumm | 11/25/13 1900 | Stantec | Fed Ex | 11/25/13 1900 | |
| 2 | | | | | 11-26-13 920 | TA |
| 3 | | | | | | |

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:



12/11/2013

TestAmerica Dayton
4738 Gateway Circle
Dayton, OH 45440
Phone (937) 294-6856 Fax (937) 294-7816

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

| Client Information | Sampler: Chris Krumm | Lab PM: O'Meara, Patrick J | Carrier Tracking No(s): | COC No: 240-18207-7688.2 |
|---|---|---|---|---|
| Client Contact: David Constant | Phone: 614-940-5471 | E-Mail: patrick.omeara@testamericainc.com | | Page: Page 2 of 2 |
| Company: Stantec Consulting Corporation | | | | Job #: |

| Address: 6188 Rome Circle North West | Due Date Requested: | Analysis Requested |
|---|---|---|
| City: Rochester | TAT Requested (days): | |
| State, Zip: MN, 55901 | | |
| Phone: 507-529-6045(Tel) | PO #: Purchase Order Requested | |
| Email: david.constant@stantec.com | WO #: | |
| Project Name: KCH OH TX, Inc. | Project #: 24011299 | |
| Site: Subway Woodman Drive Dayton OH<br>Fiesta Hair Woodman Dr. Dayton OH | SSOW#: | |

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 6010B, 7471A, 8082, 8270C, Moisture | 8260B - VOCs-H2O preserved | 8260B - VOCs-MeOH preserved | 8270C - PAH 3611-LVI | 6020, 7470A | 8260B - VOCs | 8260B - TCL OLM03.1/4.2 Volatile Analyte List | Asbestos | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | N | N | N | N | D | A | A | | | |
| SB SY2 - GW | 11/25/13 | 1150 | | Water | | | X | X | X | X | X | X | | | | |
| SB SY3 - GW | 11/25/13 | 1110 | | Water | | | X | X | X | X | X | X | | | | |
| SB FH1 - GW | 11/25/13 | 1520 | | Water | | | X | X | X | X | X | X | | | | |
| SB FH2 - GW | 11/25/13 | 1320 | | Water | | | X | X | X | X | X | X | | | | |
| SB FH3 - GW | 11/25/13 | 1420 | | Water | | | X | X | X | X | X | X | | | | |
| Trip Blank | | | | Water | | | | | | | | | X | | | |
| FB SS-1 | 11/25/13 | 1436 | | Water | | | | | | | | | | X | | |
| | | | | Solid | | | | | | | | | | | | |
| | | | | Solid | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

*Possible Hazard Identification*
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| CW Krumm | 11/25/13 1900 | Stantec | Fed Ex | 11/25/13 1900 | |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| | | | | 11-26-13 920 | FA |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| | | | | | |

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

**TestAmerica Canton Sample Receipt Form/Narrative** Login # : 31868
**Canton Facility**

Client Stantec Site Name _____ Cooler unpacked by:

Cooler Received on 11-26-13 Opened on 11-26-13

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box (Other) _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

| | | | |
|---|---|---|---|
| IR GUN# A | (CF +0 °C) Observed Cooler Temp._____°C | Corrected Cooler Temp._____°C | |
| IR GUN# 4 | (CF -1 °C) Observed Cooler Temp._____°C | Corrected Cooler Temp._____°C | ☑ See Multiple Cooler Form |
| IR GUN# 5 | (CF +1 °C) Observed Cooler Temp._____°C | Corrected Cooler Temp._____°C | |
| IR GUN# 8 | (CF +1 °C) Observed Cooler Temp._____°C | Corrected Cooler Temp._____°C | |

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 3 (Yes) No
   -Were custody seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? (Yes) No NA pH Strip Lot# HC391902
11. Were VOAs on the COC? (Yes) No
12. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
13. Was a trip blank present in the cooler(s)? (Yes) No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning _____

**14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES** Samples processed by:

**15. SAMPLE CONDITION**

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

**16. SAMPLE PRESERVATION**

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

**TestAmerica Multiple Cooler Receipt Form/Narrative** Login # : 31868
**Canton Facility**

| Cooler # | IR Gun # | Observed Temp °C | Corrected Temp °C | Coolant |
|---|---|---|---|---|
| Client | A | 2.4 | 2.4 | ICP |
| ↓ | ↓ | 1.6 | 1.6 | ↓ |
| ↓ | ↓ | 1.5 | 1.5 | ↓ |